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DEPARTMENT OF THE ARMY

Procurement Programs

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Committee Staff Procurement Backup Book

FY 1996 / 1997 BIENNIAL BUDGET ESTIMATE

OTHER PROCUREMENT, ARMY

ACTIVITY 2, COMMUNICATIONS & ELECTRONICS EQUIPMENT

APPROPRIATION

Date February 1995

Reports Control Symbol
DD-COMP (AR) 1092

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REPORT DOCUMENTATION PAGE

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OTHER PROCUREMENT, ARMY, ACTIVITY ~~1 3 3 1~~

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APPROPRIATION: OTHER PROCUREMENT, ARMY

ACTIVITY: 2. COMMUNICATIONS AND ELECTRONICS EQUIPMENT

LINE NO.	ITEM NOMENCLATURE	ID	(DOLS) FY 96 UNIT COST	(THOUSANDS OF DOLLARS) FY 94 QTY	FY 94 COST	FY 95 QTY	FY 95 COST	FY 96 QTY	FY 96 COST	FY 97 QTY	FY 97 COST
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)
	COMM - JOINT COMMUNICATIONS										
20	JCSE EQUIPMENT (USREDCOM) (BB5777)				1008		1812		2271		2475
	SUB-ACTIVITY TOTAL				1008		1812		2271		2475
	COMM - SATELLITE COMMUNICATIONS										
21	DEFENSE SATELLITE COMMUNICATIONS SYSTEM (BB8500)				77568		103786		78232		99864
22	SAT TERM, EMUT (K77200)		28313	275	9580	500	14951	618	17498	473	13380
23	NAVSTAR GLOBAL POSITIONING SYSTEM (K47800)	B	2163	14318	32395	14517	32104	15025	32502	14026	31543
24	GROUND COMMAND POST (BC4001)						5905		1049		1000
25	SMART-T (BC4002)								66714		59425
26	SCAMP (BC4003)								25816		32474
27	MOD OF IN-SVC EQUIP (TAC SAT) (BB8417)				19773		6329		4166		5662
	SUB-ACTIVITY TOTAL				139316		163075		225977		243348
	COMM - COMBAT SUPPORT COMM										
28	MSE MOD IN SERVICE (BB1611)						33255		14683		18687
	SUB-ACTIVITY TOTAL						33255		14683		18687
	COMM - C3 SYSTEM										
29	COMMAND CENTER IMPROVEMENT PROG (CCIP) (BA8200)				3638		3638		920		928
30	SOUTHCOM C3 UPGRADE (BU4000)								11424		4967
31	STD THEATER CMD & CONTROL SYS (STACCS) (BA8250)	A			5244		12008		14526		15183

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APPROPRIATION: OTHER PROCUREMENT, ARMY

ACTIVITY: 2. COMMUNICATIONS AND ELECTRONICS EQUIPMENT

(THOUSANDS OF DOLLARS)

LINE NO.	ITEM NOMENCLATURE	ID	(DOLS) FY 96 UNIT COST	FY 94 QTY	FY 94 COST	FY 95 QTY	FY 95 COST	FY 96 QTY	FY 96 COST	FY 97 QTY	FY 97 COST
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)
	SUB-ACTIVITY TOTAL				8882		15646		26870		21078
	COMM - COMBAT COMMUNICATIONS										
32	ARMY DATA DISTRIBUTION SYSTEM (ADDS) (BU1400)	B			36978		9490		19968		10331
33	MOBILE SUBSCRIBER EQUIP (MSE) (BB1610)	A			42787				3477		6655
34	SINCGARS FAMILY (BW0006)	A			352133		364750		310620		208431
35	SW ASIA COMM INFRASTRUCTURE (BZ8250)				1485						
36	EAC COMMUNICATIONS (BA1010)	A			50229		49510		5896		4253
37	MOD OF IN-SVC EQUIP (EAC COMM) (BB1600)	A			11297		11690		11637		10444
38	TAC RADIO (BA1205)							700	24803	1400	32885
39	C-E CONTINGENCY/FIELDING EQUIP (BA5210)				12325		8470		5108		2613
	SUB-ACTIVITY TOTAL				507234		443910		381509		275612
	COMM - INFORMATION SECURITY										
40	TSEC - INFORMATION SYSTEM SECURITY (TA0600)	A			56880		12989		11105		11119
41	TSEC - JCSE EQIP (TA0200)						527				
	SUB-ACTIVITY TOTAL				56880		13516		11105		11119
	COMM - LONG HAUL COMMUNICATIONS										
42	TERRESTRIAL TRANSMISSION (BU1900)						893		9596		1302
43	BASE SUPPORT COMMUNICATIONS (BU4160)						610		2205		1113
44	DEFENSE DATA NETWORK (DDN) (BU0300)				2961		2723		4927		2160

APPROPRIATION: OTHER PROCUREMENT, ARMY

ACTIVITY: 2. COMMUNICATIONS AND ELECTRONICS EQUIPMENT

LINE NO.	ITEM NOMENCLATURE	ID	(DOLS) FY 96 UNIT COST	(THOUSANDS OF DOLLARS) FY 94 QTY	FY 94 COST	FY 95 QTY	FY 95 COST	FY 96 QTY	FY 96 COST	FY 97 QTY	FY 97 COST
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)
45	ELECTROMAG COMP PROG (EMCP) (BD3100)				256		875		498		492
46	WW TECH CON IMP PROG (WWTCIP) (BU3610)				183		199		4811		839
	SUB-ACTIVITY TOTAL				3400		5300		22037		5906
	COMM - BASE COMMUNICATIONS										
47	INFORMATION SYSTEMS (BB8650)				32723		22339		64142		24907
48	DEFENSE MESSAGE SYSTEM (DMS) (BU3770)				5160		16350		7963		6024
49	LOCAL AREA NETWORK (LAN) (BU4165)				17467		22492		61547		18437
50	PENTAGON TELECOM CTR (PTC) (BQ0100)				3470		3096		2741		19631
	SUB-ACTIVITY TOTAL				58820		64277		136393		68999
	ELECT EQUIP - NAT FOR INT PROG (NFIP)										
51	FOREIGN COUNTERINTELLIGENCE PROG (FCI) (BK5282)				287		210		536		536
52	GENERAL DEFENSE INTELL PROG (GDIP) (BD3900)				33591		31097		29409		21887
53	ITEMS LESS THAN $2.0M (INTEL SPT) - TIARA (BL5278)				3587		1366		2826		2237
	SUB-ACTIVITY TOTAL				37465		32673		32771		24660
	ELECT EQUIP - TACT INT REL ACT (TIARA)										
54	ALL SOURCE ANALYSIS SYS (ASAS) (TIARA) (KA4400)	B			33933		23410		9886		7891
55	COMMANDERS TACTICAL TERM (CTT) (TIARA) (V29600)	B	342848	2	6497	17	11644	33	11314	58	14572
56	HF COMINT SYSTEM (TIARA) (V18200)	B		1	21817						

APPROPRIATION: OTHER PROCUREMENT, ARMY

ACTIVITY: 2. COMMUNICATIONS AND ELECTRONICS EQUIPMENT

LINE NO.	ITEM NOMENCLATURE	ID	(DOLS) FY 96 UNIT COST	(THOUSANDS OF DOLLARS) FY 94 QTY	FY 94 COST	FY 95 QTY	FY 95 COST	FY 96 QTY	FY 96 COST	FY 97 QTY	FY 97 COST
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)
57	IEW - GND BASE COMMON SENSORS (TIARA) (BZ7326)	B					58405		46937		46581
58	DEFENSE AIRBORNE RECONN PROGRAM (DARP) (BA0329)				1927		2411				
59	JOINT STARS (ARMY) (TIARA) (BA1080)	B			57796		55239		82984		89855
60	DIGITAL TOPOGRAPHIC SPT SYS (DTSS) (TIARA) (KA2550)	B	1390800		10412	14	7779	5	6954	3	6683
61	DRUG INTERDICTION PROGRAM (DIP) (TIARA) (BU4050)				10618						
62	TACTICAL EXPLOITATION OF NATIONAL CAPABILI (BZ7315)				7729		4636		4617		1829
63	JOINT TACTICAL GROUND STATION (BZ8410)	B							30914		
64	TROJAN (TIARA) (BA0326)	B			11602		22159		19313		3707
65	MOD OF IN-SVC EQUIP (INTEL SPT) (TIARA) (BZ9750)				15824		15185		19491		16831
66	ITEMS LESS THAN $2.0M (TIARA) (BK5278)								517		537
	SUB-ACTIVITY TOTAL				178155		200868		232927		188486
	ELECT EQUIP - ELECTRONIC WARFARE (EW)										
67	MOD OF IN-SVC EQUIP (EW) (BZ7327)				8007						
68	COUNTERINTELLIGENCE/SECURITY COUNTERMEASUR (BL5283)				2367		1763		2582		1708
	SUB-ACTIVITY TOTAL				10374		1763		2582		1708
	ELECT EQUIP - TACTICAL SURV. (TAC SURV)										
69	LT SPEC DIV INTERIM SENSOR (LSDIS) (AD4500)				1914		1875				

APPROPRIATION: OTHER PROCUREMENT, ARMY

ACTIVITY: 2. COMMUNICATIONS AND ELECTRONICS EQUIPMENT

LINE NO.	ITEM NOMENCLATURE	ID	(DOLS) FY 96 UNIT COST	(THOUSANDS OF DOLLARS) FY 94 QTY	FY 94 COST	FY 95 QTY.	FY 95 COST	FY 96 QTY	FY 96 COST	FY 97 QTY	FY 97 COST
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)
70	FAAD GBS (WK5053)				7900		63855	8	44678	15	53282
71	NIGHT VISION DEVICES (KA3500)	A			87926		80034		77132		81750
72	PHYSICAL SECURITY SYSTEMS (BZ7800)				11126		10149				
73	ARTILLERY ACCURACY EQUIP (AD3200)				12667		9386		12364		4842
74	MOD OF IN-SVC EQUIP (TAC SURV) (BZ7325)	B			35738		4570		26860		15720
75	LIGHTWEIGHT LEADER COMPUTER (LLC) (W63800)	A									6840
76	COMPUTER BALLISTICS: MORTAR XM-23 (K99200)	A							5019		4125
77	INTEGRATED MET SYS SENSORS (IMETS) - TIARA (BW0021)		585750		3792	12	6954	12	7029	6	3270
	SUB-ACTIVITY TOTAL				161063		176823		173082		169829
	ELECT EQUIP - TACTICAL C2 SYSTEMS										
78	ADV FIELD ARTILLERY TACT DATA SYS (AFATDS) (B28600)	B	139805	146	4400	116	8141	221	30897	222	34875
79	FIRE SUPPORT ADA CONVERSION (B78400)	A		300	18017	289	11529				
80	INITIAL FIRE SPT AUTOMATIC SYSTEM (IFSAS) (B78100)	A		21	21387						
81	CMBT SVC SUPT CONTROL SYS (CSSCS) (W34600)		203965			42	5977	29	5915	35	6046
82	CORPS/THEATER ADP SVC CTR (CTASC) (BZ9350)	B			1768		1992				
83	FAAD C2 (AD5050)	A	6588400		13300	1	14150	5	32942	5	38236
84	FORWARD ENTRY DEVICE (FED) (BZ9851)	B			21853		99				

APPROPRIATION: OTHER PROCUREMENT, ARMY

ACTIVITY: 2. COMMUNICATIONS AND ELECTRONICS EQUIPMENT

LINE NO.	ITEM NOMENCLATURE	ID	(DOLS) FY 96 UNIT COST	(THOUSANDS OF DOLLARS) FY 94 QTY	FY 94 COST	FY 95 QTY	FY 95 COST	FY 96 QTY	FY 96 COST	FY 97 QTY	FY 97 COST
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)
85	COMMON HARDWARE SOFTWARE (BZ9860)	A			18000						
86	LIFE CYCLE SOFTWARE SUPPORT (LCSS) (BD3955)				1810		1685		2096		2111
87	LOGTECH (BZ8889)	B			3500		4636		4534		4571
88	ISYSCON EQUIPMENT (BX0007)				58				13178		10228
89	MANEUVER CONTROL SYSTEM (MCS) (BA9320)	A						152	13808	165	15893
90	STAMIS TACTICAL COMPUTERS (STACOMP) (W00800)	A			31622		21693	1830	23465	1861	24003
91	STANDARD INTEGRATED CMD POST SYSTEM (BZ9962)						9531		28914		27360
	SUB-ACTIVITY TOTAL				135715		79433		155749		163323
	ELECT EQUIP - AUTOMATION										
92	AUTOMATED DATA PROCESSING EQUIP (BD3000)				46819		83378		132751		122283
93	RESERVE COMPONENT AUTOMATION SYS (RCAS) (BE4167)				184627		163482		83174		25421
	SUB-ACTIVITY TOTAL				231446		246860		215925		147704
	ELECT EQUIP - AUDIO VISUAL SYSTEMS (A/V)										
94	AFRTS (BZ8480)				3369		2972		2586		373
95	ITEMS LESS THAN $2.0M (A/V) (BK5289)				6020		3822		5102		2850
	SUB-ACTIVITY TOTAL				9389		6794		7688		3223

APPROPRIATION: OTHER PROCUREMENT, ARMY

ACTIVITY: 2. COMMUNICATIONS AND ELECTRONICS EQUIPMENT

LINE NO.	ITEM NOMENCLATURE	ID	(DOLS) FY 96 UNIT COST	(THOUSANDS OF DOLLARS) FY 94 QTY	FY 94 COST	FY 95 QTY	FY 95 COST	FY 96 QTY	FY 96 COST	FY 97 QTY	FY 97 COST
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)
	ELECT EQUIP - TEST MEAS&DIAG EQUIP (TMDE)										
96	CALIBRATION SETS EQUIPMENT (BZ5269)	A			14682		10275		11457		11550
97	INTEGRATED FAMILY OF TEST EQUIP (IFTE) (KA4000)	B			57835		62267		26449		20067
98	TMDE MODERNIZATION (TMOD) (BZ5270)	A			15276		11108		9470		8570
	SUB-ACTIVITY TOTAL				87793		83650		47376		40187
	ELECT EQUIP - SUPPORT										
99	INITIAL SPARES - PEO CCS (BA9101)				10968						
100	INITIAL SPARES - PEO COMM (BA9102)				27955						
101	INITIAL SPARES - PEO IEW (BA9103)				19095						
102	INITIAL SPARES - PEO STAMIS (BA9104)				651						
103	INITIAL SPARES - NON PEO (BA9106)				13592						
104	ARMY PRINTING AND BINDING EQUIPMENT (BB7600)	A			4167						
105	INSTALLATION C4 UPGRADE (ICU) (BB1000)				5201		2258		1762		1156
106	PRODUCTION BASE SUPPORT (C-E) (BF5400)				1845		12757		717		715
	SUB-ACTIVITY TOTAL				83474		15015		2479		1871
	ACTIVITY TOTAL				1710414		1584670		1691424		1388215

PROCUREMENT PROGRAM INSTALLATION SUMMARY
(TOA, Dollars in Millions)

SYSTEM/MODIFICATION	FY94 & Prior	FY95	FY96	FY97	FY98	FY99	FY00	FY01	TC	TOTAL
Mod In Svc EAC Comm**	5.3	4.6	3.6	9.3	13.2	13.4	27.8	27.8	127.9	232.9
Mod In Svc MSE**	0	26.3	10.5	17.6	13.8	15.8	9.9	16.7	116.2	226.8
DSCS Terminal Modernization	0	3.4	5.4	5.7	5.7	5.7	1.0	0	0	26.9
DSCS Antena Upgrade	0	0	0	.8	.8	0	0	0	0	1.6
Mod In Svc TACSAT**	19.8	6.3	4.2	5.7	7.4	7.5	12.1	12.1	0	75.1
AN/TPQ-36(V)7	1.0	0	0	0	0	0	0	0	0	1.0
AN/TPQ-36(V)8	0	0	0	.8	0	0	0	0	0	.8
AN/TPQ-37 Enhanced FF Block 1	0	0	.8	0	0	0	0	0	0	.8
AN/TPQ-37 ATG Mobility Improvement	0	0	.3	0	0	0	0	0	0	.3
Trailblazer 5 TON	.3	0	0	0	0	0	0	0	0	.3
Trailblazzer DTSR MC	.1	0	0	0	0	0	0	0	0	.1
Trackwolf Threat Update	0	.1	.1	.1	0	0	0	0	0	.3
Teammate/Quickfix Interop MC**	0	0	0	0	0	0	0	0	0	0
Teammate TPT MC	0	.1	.2	0	0	0	0	0	0	.3
SINCGARS MC	0	0	.3	.5	0	0	0	0	0	.8
Host Interface Unit**	0	0	0	0	0	0	0	0	0	0
Trojan Spirt Conf Upgrade	1.9	1.7	0	0	0	0	0	0	0	3.6
TOTAL FOR BA 2	**28.4**	**42.5**	**25.4**	**40.5**	**40.9**	**42.4**	**50.8**	**56.6**	**244.1**	**571.6**

(**Installation cost included in contract)

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DD-COMP(AR)1092

BUDGET ITEM JUSTIFICATION SHEET

DATE February 1995

APPROPRIATION / BUDGET ACTIVITY
Other Procurement: Army 2
Communications and Electronics Equipment

P-1 ITEM NOMENCLATURE

JCSE EQUIPMENT (BB5777)

	FY 94	FY 95	FY 96	FY 97	FY 98	FY 99	FY 00 / 01
QUANTITY							
COST(IN MILLIONS)	1.0	1.8	2.3	2.5	2.8	3.1	0.0 / 0.0

DESCRIPTION:
Provides Joint Staff directed Army share of funds to equip the Joint Communications Support Element (JCSE). The JCSE is a unique, completely mobile, multi-service communications unit which provides support to the Unified and Specified Commands at the direction of the Joint Staff. The JCSE has the capability to deploy to any location and provide simultaneous communications support to two Joint Task Force (JTF) Headquarters and two Joint Special Operations Task Force (JSOTF) Headquarters involved in worldwide contingency operations or disaster relief/evacuation activities. JCSE also augments or provides contingency emergency communications support to meet the critical operational needs of the Joint Staff, the Services, defense and/or civil agencies, etc. and on a non-interference basis, provides communications support for joint readiness exercises. Equipment to be procured includes wideband microwave radio systems, packet switching nodes, line termination modules for Echelons Above Corps switches, Demand Assigned Multiple Access satellite radios, MILSTAR radios and automatic data processing equipment.

JUSTIFICATION:
FY 96 and FY 97 funds will partially fund 2 ea MILSTAR Secure Mobile Anti-Jam Reliable Tactical Terminal (SMART-T).These systems are required by JCSE contingency communications teams on Joint Staff directed missions.

UNCLASSIFIED

REPORTS CONTROL SYMBOL
DD-COMP(AR)1092

BUDGET ITEM JUSTIFICATION SHEET

DATE February 1995

APPROPRIATION / BUDGET ACTIVITY
Other Procurement, Army 2 -
Communications and Electronics Equipment

P-1 ITEM NOMENCLATURE

DEFENSE SATELLITE COMMUNICATIONS SYSTEM (DSCS)

(BB850(

	FY 94	FY 95	FY 96	FY 97	FY 98	FY 99	FY 00/FY 01
QUANTITY							
COST(IN MILLIONS)	77.6	103.8	78.2	99.9	93.3	93.4	65.2/65.2

DESCRIPTION: The Defense Satellite Communications System (DSCS) provides super high frequency (SHF) wideband and anti-jam (AJ) satellite communications supporting critical national strategic and tactical 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, and among overseas Worldwide Military Command and Control System (WWMCCS) activities.

JUSTIFICATION: Funds are required to support various requirements as directed by the National Command Authorities (NCA), Commanders in Chief (CINCs), White House Communications Agency (WHCA), Navy C2, NATO, UK, and Diplomatic Telecommunications Service (DTS). FY96/97 funds for Jam Resistant Secure Communications (JRSC) provide for a full scale production procurement data package, source selection, and production award of the Universal Modem (UM). FY96/97 Mod of In-Service Equipment funds will continue the contractual effort for the fabrication and installation of modification kits for the medium terminals essential to sustain the current three billion dollar ($3B) investment in the DSCS ground system. FY97 funds will initiate an upgrade program which will increase the effective size of the AN/GSC-52 antenna. FY96/97 DSCS Operations Control System (DOCS) funding will provide for the continued acquisition of semi-automated control equipment that will allow more efficient use of the space segment, thereby providing greater user support. FY96/97 Digital Equipment funds will provide for fabrication of racks, components, vans and their integration into the DSCS. FY96/97 Interconnect Facility funds will accomplish Defense Information Systems Agency (DISA) and Joint Chiefs of Staff (JCS) directed satellite ground terminal relocations supporting the realignment of US forces worldwide.

WEAPON SYSTEM COST ANALYSIS EXHIBIT (P-5)		A. APPROPRIATION NO. OPA2 - Communications and Electronics Equipment			B. WEAPON MODEL/SERIES/POPULAR NAME DEFENSE SATELLITE COMMUNICATIONS SYSTEM (DSCS) Total Cost in Thousands of Dollars (BB8500)						C.MANUF Numerous See P5a			D. DATE February 1995		
WEAPONS SYSTEM COST ELEMENTS	IDENT CODE	UNIT COST	FY94 QTY	TOTAL COST	UNIT COST	FY95 QTY	TOTAL COST	UNIT COST	FY96 QTY	TOTAL COST	UNIT COST	FY97 QTY	TOTAL COST			
DSCS - JAM RESISTANT SECURE COMM (JRSC) (BA8300)				4,352			10,815			7,285			30,185			
DSCS - MOD OF IN-SVC EQUIP (BB8416)				27,371			45,674			40,501			31,776			
DSCS - DSCS OPERATIONS CONTROL SYSTEM (DOCS) (BB8509)				16,319			14,632			6,714			15,476			
DSCS - DIGITAL EQUIPMENT (BB8501)				26,196			28,119			20,762			19,116			
DSCS - INTERCONNECT FACILITY (BB8504)				3,330			4,546			2,970			3,311			
TOTAL DSCS				77,568			103,786			78,232			99,864			

REPORTS CONTROL SYMBOL
DD-COMP(AR)1092

BUDGET ITEM JUSTIFICATION SHEET

DATE February 1995

APPROPRIATION / BUDGET ACTIVITY
Other Procurement: Army 2
Communications and Electronics Equipment

P-1 ITEM NOMENCLATURE

DSCS - JAM RESISTANT SECURE COMM (JRSC)

(BA83C

	FY 94	FY 95	FY 96	FY 97	FY 98	FY 99	FY00/FY01
QUANTITY							
COST(IN MILLIONS)	4.4	10.8	7.3	30.2	40.4	44.8	28.8/28.8

DESCRIPTION: The Jam Resistant Secure Communications (JRSC) provides communications connectivity that will survive jamming and high altitude nuclear events which cause High-Altitude Electromagnetic Pulse (HEMP) and other perturbed atmospheric conditions. JRSC requirements are characterized by a combination of existing satellite equipments. They include: AN/GSC-52, JRSC Satellite Terminals AN/GSC-49, and AN/USC-28 Spread Spectrum Multiple Access Equipment including Mitigation Modifications. Enhancements to the AN/GSC-49 terminals are required to accommodate the tri-service users and the changing requirements of the Defense Information Systems Agency (DISA). The funding is required to provide overall JRSC user-to-user anti-jam HEMP protection as directed by the Joint Chiefs of Staff (JCS). The Universal Modem System will enable strategic and tactical forces under the command of the U.S., U.K., France and NATO to have interoperable voice and digital data satellite communications capability under jamming and nuclear scintillation, while using non-processing transponder of the DSCS III NATO or SKYNET 4 satellite systems. The AN/USC-28 provides high anti-jam communications for the DSCS.

JUSTIFICATION: FY96 funding for the AN/USC-28 will be used to replace the maxal computers within the AN/USC-28. FY96 Universal Modem (UM) funding provides for labor intensive effort for full scale production procurement data package and source selection. FY97 funding for Universal Modem will be for production award and government support.

WEAPON SYSTEM COST ANALYSIS EXHIBIT (P-5)		A. APPROPRIATION NO. OPA2 - Communications and Electronics Equipment			B. WEAPON MODEL/SERIES/POPULAR NAME DSCS - JAM RESISTANT SECURE COMM (JRSC) (BA8300) TOTAL COST IN THOUSANDS OF DOLLARS						C.MANUF Numerous See P5a	D. DATE February 1995	
EAPONS SYSTEM COST ELEMENTS	IDENT CODE	FY94 UNIT COST	FY94 QTY	FY94 TOTAL COST	FY95 UNIT COST	FY95 QTY	FY95 TOTAL COST	FY96 UNIT COST	FY96 QTY	FY96 TOTAL COST	FY97 UNIT COST	FY97 QTY	FY97 TOTAL COST
HEMP HARDENING	A												
HARDWARE		541	6	3,246	659	12	7,903						
ENGINEERING SUPPORT													
GOVERNMENT ENGINEERING				546			1,120						
CONTRACTOR ENGINEERING				266			762						
DOCUMENTATION				105			540						
FIELDING				189			490						
TOTAL HEMP HARDENING				4,352			10,815						
UNIVERSAL MODEM													
HARDWARE											400	50	19,981
NON-RECURRING ENG/TEST													5,999
ENGINEERING SUPPORT													
GOVERNMENT ENGINEERING										2,000			1,278
CONTRACTOR ENGINEERING													822
DOCUMENTATION													1,102
GOVERNMENT FURNISHED EQUIPMENT													376
PROJECT MANAGEMENT													627
TOTAL UNIVERSAL MODEM										2,000			30,185
AN/USC-28													
REPLACE AN/USC-28 MAXAL								43	122	5,285			
COMPUTERS HARDWARE													
TOTAL AN/USC-28										5,285			
OTAL JRSC				4,352			10,815			7,285			30,185

BUDGET PROCUREMENT HISTORY AND PLANNING EXHIBIT (P-5A)

A. DATE: February 1995

B. APPROPRIATION/BUDGET ACTIVITY: Other Procurement, Army 2 - Communications and Electronics Equipment

C. P-1 ITEM NOMENCLATURE: DSCS - JAM RESISTANT SECURE COMM (JRSC) (BA8300)

LINE ITEM/FISCAL YEAR	CONTRACTOR & LOCATION	CONTRACT METHOD AND TYPE	CONTRACTED BY	AWARD DATE	DATE OF FIRST DELIVERY	QTY	UNIT COST	SPECS AVAIL NOW	SPEC REVIS REQD	IF YES, WHEN AVAIL
HEMP HARDENING										
FY 1994	HARRIS CORP, MELBOURNE, FL	C/FP (OPT)	CECOM	Feb 94	Aug 95	6	541,000	YES	NO	
FY1995	HARRIS CORP, MELBOURNE, FL	C/FP (OPT)	CECOM	Feb 95	Aug 96	12	* 658,583	YES	NO	
AN/USC-28 FY 1996	MAGNAVOX, TORRANCE, CA	SS/FFP	CECOM	Mar 96	Mar 97	122	43,320	YES	NO	
UNIVERSAL MODEM FY 1997	TBS	C/FP	CECOM	Jan 97	Mar 99	50	** 399,620	NO	YES	FY96

D. REMARKS: * INCLUDES CONTRACTOR INSTALLATION COSTS

** 'IT SHOULD BE NOTED THAT THE UNIT COST FOR A SINGLE CHANNEL EQUIVALENT UNIVERSAL MODEM IS $81.6K. THE COST AT ** IS FOR A FULLY POPULATED UNIVERSAL MODEM WITH ITS COMPLEMENT OF SYSTEM PLANNING TOOLS AND TRAINING DEVICES.

PRODUCTION SCHEDULE (EXHIBIT P-21)

P-1 ITEM NOMENCLATURE DSCS - JAM RESISTANT SECURE COMM (JRSC) BA8300 DATE February 1995

FAC NO.	S V C	PROCUREMENT QUANTITY FY93 &PR	FY 94	FY 95	FY 96	FY 97	FY	ACCEP PRIOR OCT	BAL DUE OCT	FISCAL YEAR 1994 / CALENDAR YEAR 1993 O	N	D	CALENDAR YEAR 1994 J	F	M	A	M	J	J	A	S	FISCAL YEAR 1995 / CALENDAR YEAR 1994 O	N	D	CALENDAR YEAR 1995 J	F	M	A	M	J	J	A	S	LATER
HEMP HARDENING																																		0
																																		0
1	A	9						4	5												1			1		1		1		1				0
1	A		6					0	6					A																	1		5
1	A			12				0	12																	A							12
																																		0
																																		0
																																		0
																																		0
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																																		0
																																		0
																																		0
																																		0
																																		0
																																		0
TOTAL		9	6	12	0	0	0	4	23	0	0	0	0	0	0	0	0	0	0	0	1	0	0	1	0	1	0	1	0	1	0	1	0	17
										O	N	D	J	F	M	A	M	J	J	A	S	O	N	D	J	F	M	A	M	J	J	A	S	

FAC	MAN NAME & LOC	MIN	185	MAX	REACHED
1	HARRIS CORP.,	1	1	2	
	MELBOURNE, FL				

	PROCUREMENT LEAD TIME			
	ADMIN LEAD TIME		PRODUC-TION	TOTAL AFTER 1 OCT
	PRIOR 1 OCT	AFTER 1 OCT		
INITIAL	7	5	20	25
REORDER	0	4	18	22

REMARKS

NO BREAK IN PRODUCTION

PRODUCTION SCHEDULE (EXHIBIT P-21)

P-1 ITEM NOMENCLATURE DSCS - JAM RESISTANT SECURE COMM (JRSC) BA8300 DATE February 1995

FAC NO.	S V C	PROCUREMENT QUANTITY FY93 &PR	FY 94	FY 95	FY 96	FY 97	FY	ACCEP PRIOR OCT	BAL DUE OCT
HEMP HARDENING									
1	A	9						9	0
1	A		6					1	5
1	A			12				0	12
TOTAL		9	6	12	0	0	0	10	17

FISCAL YEAR 1996													FISCAL YEAR 1997												
1995			CALENDAR YEAR 1996											CALENDAR YEAR 1997											LATER
O	N	D	J	F	M	A	M	J	J	A	S	O	N	D	J	F	M	A	M	J	J	A	S	
																								0
																								0
																								0
	1		1		1		1		1															0
										1	1	1	1	1	1	1	1	1	1	1	1			0
																								0
																								0
																								0
																								0
																								0
																								0
																								0
																								0
																								0
																								0
1	1	0	1	0	1	0	1	0	1	1	1	1	1	1	1	1	1	1	1	1	1	0	0	0
O	N	D	J	F	M	A	M	J	J	A	S	O	N	D	J	F	M	A	M	J	J	A	S	

FAC	MAN NAME & LOC	MIN	185	MAX	REACHED
1	HARRIS CORP.,	1	1	2	
	MELBOURNE, FL				

	PROCUREMENT LEAD TIME			
	ADMIN LEAD TIME		PRODUC-TION	TOTAL AFTER 1 OCT
	PRIOR 1 OCT	AFTER 1 OCT		
INITIAL	7	5	20	25
REORDER	0	4	18	22

REMARKS

NO BREAK IN PRODUCTION

PRODUCTION SCHEDULE (EXHIBIT P-21)			P-1 ITEM NOMENCLATURE DSCS - JAM RESISTANT SECURE COMM (JRSC)																																	DATE February 1995	
FAC	S V C	PROCUREMENT QUANTITY						ACCEP PRIOR OCT	BAL DUE OCT	FISCAL YEAR 1996																FISCAL YEAR 1997																		L A T E R
		FY93 &PR	FY 94	FY 95	FY 96	FY 97	FY			1995	CALENDAR YEAR 1996															CALENDAR YEAR 1997																		
AN/USC-28										O	N	D	J	F	M	A	M	J	J	A	S	O	N	D	J	F	M	A	M	J	J	A	S									0
																																										0
1	A				122			0	122						A																			15	15	15	15	15	15	15	17
																																											0
																																											0
																																											0
																																											0
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																																											0
																																											0
TOTAL		0	0	0	122	0	0	0	122	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	15	15	15	15	15	15	15	17
										O	N	D	J	F	M	A	M	J	J	A	S	O	N	D	J	F	M	A	M	J	J	A	S									

FAC	MAN NAME & LOC	MIN	185	MAX	REACHED
1	Magnavox,	15	25	50	
	Torrance, CA				

	PROCUREMENT LEAD TIME			
	ADMIN LEAD TIME		PRODUC-TION	TOTAL AFTER 1 OCT
	PRIOR 1 OCT	AFTER 1 OCT		
INITIAL	5	5	12	17
REORDER	N/A			

REMARKS

PRODUCTION SCHEDULE (EXHIBIT P-21)

P-1 ITEM NOMENCLATURE DSCS - JAM RESISTANT SECURE COMM (JRSC) DATE February 1995

FAC NO.	S V C	PROCUREMENT QUANTITY FY93 &PR	FY 94	FY 95	FY 96	FY 97	FY	ACCEP PRIOR OCT	BAL DUE OCT
AN/USC-28									
1	A				122			105	17
TOTAL		0	0	0	122	0	0	105	17

FISCAL YEAR 1998													FISCAL YEAR 1999											
1997	CALENDAR YEAR 1998												CALENDAR YEAR 1999											
O	N	D	J	F	M	A	M	J	J	A	S	O	N	D	J	F	M	A	M	J	J	A	S	
																								0
																								0
17																								0

PRODUCTION SCHEDULE (EXHIBIT P-21)	P-1 ITEM NOMENCLATURE DSCS - Jam Resistant Secure Comm (JRSC)(BA8300)	DATE February 1995

FAC	SVC	PROCUREMENT QUANTITY						ACCEP PRIOR	BAL DUE	FISCAL YEAR 96												FISCAL YEAR 97										LATER
		FY93 & PY	FY 94	FY 95	FY 96	FY 97	FY	OCT	OCT	1995			CALENDAR YEAR 1996											CALENDAR YEAR 1997									
UNIVERSAL MODEM										O	N	D	J	F	M	A	M	J	J	A	S	O	N	D	J	F	M	A	M	J	J	A	S	
1	A					50		0	50																A								50
																																	0

PRODUCTION SCHEDULE (EXHIBIT P-21) | P-1 ITEM NOMENCLATURE DSCS - Jam Resistant Secure Comm (JRSC) (BA8300) | DATE February 1995

FAC NO.	S V C	PROCUREMENT QUANTITY FY93 & PY	FY 94	FY 95	FY 96	FY 97	FY	ACCEP PRIOR OCT	BAL DUE OCT
UNIVERSAL MODEM									
1	A					50		0	50
TOTAL		0	0	0	0	50	0	0	50

FISCAL YEAR 98												FISCAL YEAR 99												L/T ER
1997			CALENDAR YEAR 1998											CALENDAR YEAR 1999										
O	N	D	J	F	M	A	M	J	J	A	S	O	N	D	J	F	M	A	M	J	J	A	S	
																	4	6	8	8	8	8	8	0
																								0
																								0
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																								0
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	4	6	8	8	8	8	8	0
O	N	D	J	F	M	A	M	J	J	A	S	O	N	D	J	F	M	A	M	J	J	A	S	

FAC	MAN NAME & LOC	MIN	185	MAX	REACHED
1	TB	3	8	14	4

	PROCUREMENT LEAD TIME			
	ADMIN LEAD TIME		PRODUCTION	TOTAL AFTER 1-OCT
	PRIOR 1 OCT	AFTER 1 OCT		
INITIAL	11	5	26	31
REORDER	N/A	5	19	24

REMARKS

REPORTS CONTROL SYMBOL
DD-COMP(AR)1092

BUDGET ITEM JUSTIFICATION SHEET

DATE February 1995

APPROPRIATION / BUDGET ACTIVITY
Other Procurement, Army 2 -
Communications and Electronics Equipment

P-1 ITEM NOMENCLATURE
DSCS - MOD OF IN-SVC EQUIP
(BB841

	FY 94	FY 95	FY 96	FY 97	FY 98	FY 99	FY 00/FY 01
QUANTITY							
COST(IN MILLIONS)	27.4	45.7	40.5	31.8	26.1	17.1	14.7/14.7

DESCRIPTION: These modifications will upgrade aging heavy (HT) and medium (MT) satellite earth terminals so that all Defense Satellite Communications System Super High Frequency (SHF) strategic earth terminals will 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. In addition, an Engineering Change Proposal (ECP) is planned for the upgrade of the AN/GSC-52 Antenna, which will enhance mission effectiveness.

MODIFICATION WORK ORDER (MWO)	MODIFICATION TITLE	FY94	FY95	FY96	FY97
1-89-07-0005	Terminal Modernization	27.4	45.7	40.5	8.1
1-89-07-0030	Antenna Upgrade/Low Noise Amplifier (LNA)				23.7
	TOTALS	27.4	45.7	40.5	31.8

JUSTIFICATION: FY96 funds are required to complete the fabrication of the AN/GSC-39 Medium Terminal (MT) and the installation of HT/MT MWO kits (Terminal Mod program). FY97 funds are required to continue the installation/fielding of the Terminal Mod program and initiate an antenna upgrade/LNA which will increase the effective size of the antenna at selected high capacity traffic sites.

MODIFICATION OF WEAPON SYSTEMS

MODIFICATION TITLE: Terminal Modernization, MC No. 1-89-07-0005

MODELS OF SYSTEMS AFFECTED: AN/FSC-78/79 and AN/GSC-39

DESCRIPTION: The AN/FSC-78/79 Heavy Terminals (HT) and the AN/GSC-39 Medium Terminals (MT) began operation in the mid-1970's and have surpassed their design life of fifteen years. The original systems were fielded with a required Mean Time Between Failure (MTBF) of 1,000 hours. Due to aging, the MTBF degraded significantly. The Terminal Modernization program will eliminate system obsolescence and enable the terminals to achieve the required 1,000 hours MTBF. The contract was awarded in Mar 92 for this modernization effort, which will provide for upgrade of aging electronics in the HT/MT satellite earth terminals so that all Defense Satellite Communications System (DSCS) Super High Frequency (SHF) strategic earth terminals will use common electronics and logistics support. The result will extend the life of the terminals for another fifteen years, enhance operational readiness, reduce training and logistics support, conserve energy and improve maintainability. This Tri-Service DOD Program was approved in the FY91-95 DSCS Program Plan, June 1989.

JUSTIFICATION: FY96 funds are required to complete the fabrication of the AN/GSC-39 Medium Terminal (MT) modification kits. FY97 funds are required to complete the installation/fielding of the Terminal Modernization program. FY97 funds are required for installation of the AN/GSC-39 Medium Terminals (MT) Modification Kits.

DEVELOPMENT STATUS/MAJOR DEVELOPMENT MILESTONES: No development required.

MODIFICATION OF APON SYSTEMS
TERMINAL MODERNIZATION, MC. NO. 1-89-07-0005

FINANCIAL PLAN: ($ in Millions)	FY94 & PR		FY95		FY96		FY97		FY98		FY99		FY00		FY01		Total	
	Qty	$	Qty	$	Qty	$	Qty	$	Qty	$	Qty	$	Qty	$	Qty	$	Qty	$
RDT&E																		
PROCUREMENT																		
Installation Kits	27	4.5	13	2.2	12	2.0	0		0		0		0		0.0		52	8.7
Installation Kit Nonrecurring		3.0		1.2		0.0									0.0		0	4.2
Equipment		47.9		25.9		22.0									0.0		0	95.8
Equipment Nonrecurring		15.5		1.2		0.0						2.8			0.0		0	19.5
Engineering Change Orders		4.1		1.8		1.5									0.0		0	7.4
Data		11.3		0.5		0.4									0.0		0	12.2
Training Equipment		2.6		0.0		0.0									0.0		0	2.6
Support Equipment		0.0		0.3		0.0									0.0		0	0.3
GFE		6.3		0.0		0.0									0.0		0	6.3
Project Mgt Admin		1.5		0.7		0.8		0.5		0.5		0.3		0.3	0.0		0	4.6
Fielding		0.9		0.4		0.5		0.3		0.3		0.2		0.0	0.0		0	2.6
Interim Contractor Support		0.6		2.6		2.7		0.6		0.6		0.4		0.2	0.0		0	7.7
Gov't/Contr Engineering		10.1		5.5		5.2		1.1		1.0		0.5		0.2	0.0		0	23.6
Installation of Hardware															0.0		0	0.0
(FY94 & Prior) Eqpt (27 kits)			4	3.4	10	5.4	12	5.6	1	0.5					0.0		27	14.9
(FY95) Eqpt (13 kits)									11	5.2	2	1.0			0.0		13	6.2
(FY96) Eqpt (12 kits)											10	4.7	2	1.0	0.0		12	5.7
Total Installation Cost		0.0		3.4		5.4		5.6		5.7		5.7		1.0	0.0		0	26.8
Total Procurement Cost		108.3		45.7		40.5		8.1		8.1		9.9		1.7	0.0		0	222.3

METHOD OF IMPLEMENTATION: MWO
CONTRACT DATES: FY94; MAR 94
DELIVERY DATE: FY94; APR 96

ADMINISTRATIVE LEADTIME: 5 Months
FY95; MAR 95
FY95; APR 97

PRODUCTION LEADTIME: 36 Months
FY96; MAR 96
FY96; APR 98

INSTALLATION SCHEDULE:	PY	FY95				FY96				FY97				FY98				FY99				FY00				FY01				Total
		1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	
INPUT:																														
FY94 & Prior	0		2	3	6	6	6	1	1	1	1																			27
FY95												3	3	3	3	1														13
F Y96																2	3	3	3	1										12
OUTPUT:																														
FY94 & Prior			2	2		1	3	3	3	3	3	3	3	1																27
FY95														2	3	3	3	2												13
FY96																		1	3	3	3	2								12

Show Install schedule through the FYDP

Exhibit P-3a Individual Modification

MODIFICATION OF WEAPON SYSTEMS

MODIFICATION TITLE: Antenna Upgrade/Low Noise Amplifier (LNA), MC No. 1-89-07-0030

MODELS OF SYSTEMS AFFECTED: AN/GSC-52 Antenna Upgrade/LNA

DESCRIPTION: This block modification encompasses Engineering Change Proposal (ECP) in support of the AN/GSC-52 Antenna Upgrade/Low Noise Amplifier (LNAs) which will enhance terminals capability to perform its mission as directed by DISA DSCS Program Plan FY93-98. The FY97-98 modification will increase the effective size of the antenna at selected High Capacity traffic sites.

JUSTIFICATION: This was directed by DISA DSCS Program Plan FY93-98, dated January 1994. The enhancement of the antenna will ensure more efficient utilization of limited satellite resources. FY97 funds are required to procure five AN/GSC-52 Antennas.

DEVELOPMENT STATUS/MAJOR DEVELOPMENT MILESTONES: No development required.

MODIFICATION OF WEAPON SYSTEMS
MC. NO. 1-89-07-0030
Antenna Upgrade (AN/GSC-52)/Low Noise Amplifier

FINANCIAL PLAN: ($ in Millions)	Prior Qty	Prior $	FY95 Qty	FY95 $	FY96 Qty	FY96 $	FY97 Qty	FY97 $	FY98 Qty	FY98 $	FY99 Qty	FY99 $	FY00 Qty	FY00 $	FY01 Qty	FY01 $	Total Qty	Total $
RDT&E																		
PROCUREMENT																		
Nonrecurring								4.0									0	4.0
(Hardware/Software)																		
Installation kits incl Equipment							5	10.5	5	10.5						0.0	10	21.0
Site Preparation								2.5		2.5						0.0	0	5.0
Engineering Change Orders								0.4		0.4						0.0	0	0.8
Data								1.2		0.3						0.0	0	1.5
Testing (First Article)								0.7		0.0						0.0	0	0.7
Warranty								0.5		0.5						0.0	0	1.0
Training								0.0		0.0		0.3		0.1		0.0	0	0.4
Interim Contractor Support								0.0		0.0		1.2		0.3		0.0	0	1.5
Project Mgmt Admin								0.9		0.8		0.7		0.3		0.0	0	2.7
Gov't/Contr Support								2.2		2.2		2.0		0.6		0.0	0	7.0
Installation of Hardware							5	0.8	5	0.8						0.0	10	1.6
Total Procurement Cost								23.7		18.0		4.2		1.3		0.0	0	47.2

METHOD OF IMPLEMENTATION: Contractor
ADMINISTRATIVE LEADTIME: 5 Months
PRODUCTION LEADTIME: Initial 16 Months *
Reorder 12 Months
CONTRACT DATES: FY97;FEB 98
DELIVERY DATE: FY99;FEB 99
* Delivery after FAT will start in 24th month

INSTALLATION SCHEDULE:

	PY	FY95	FY96	FY97	FY98	FY99	FY00	FY01	Total
		1 2 3 4	1 2 3 4	1 2 3 4	1 2 3 4	1 2 3 4	1 2 3 4	1 2 3 4	
INPUT:									
FY97						0 3 2			5
FY98						1 3	1		5
OUTPUT:									
FY97						0 2 3			5
FY98						3	2		5

Show Install schedule through the FYDP

MODIFICATION INSTALLATION SUMMARY

(TOA, Dollars in Millions)

System/Modification	Prior	FY95	FY96	FY97	FY98	FY99	FY00	FY01	TOTAL
Defense Satellite Communications System (DSCS) Modifications									
Terminal Modernization (0005)		3.4	5.4	5.7	5.7	5.7	1.0	0.0	26.9
Antenna Upgrade/Low Noise Amplifier (LNA) (0030)				0.8	0.8				1.6
Total for DSCS - Mod of In-Svc Equip		3.4	5.4	6.5	6.5	5.7	1.0	0.0	28.5

PRODUCTION SCHEDULE (EXHIBIT P-21)

P-1 ITEM NOMENCLATURE Mod of In-Svc Equip (DSCS) (BB8416)

DATE February 1995

FAC NO.	SVC	PROCUREMENT QUANTITY FY93 & PR	FY 94	FY 95	FY 96	FY 97	FY	ACCEP PRIOR OCT	BAL DUE OCT
1	A	23						0	23
1	A		4					0	4
1	A			13				0	13
1	A				12			0	12
TOTAL		23	4	13	12	0	0	0	52

	FISCAL YEAR 1994													FISCAL YEAR 1995												LIER
	1993	CALENDAR YEAR 1994												CALENDAR YEAR 1995												
	O	N	D	J	F	M	A	M	J	J	A	S	O	N	D	J	F	M	A	M	J	J	A	S	R
																		2	1	1	1	2	2	2	12
1																									4
1						A																			13
1																		A							12
1																									0
																									0
																									0
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																									0
																									0
																									0
TOTAL	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2	1	1	1	2	2	2	41
	O	N	D	J	F	M	A	M	J	J	A	S	O	N	D	J	F	M	A	M	J	J	A	S	

FAC	MAN NAME & LOC	MIN	185	MAX	REACHED
1	Harris Corp.	1	2	3	
	Melbourne, FL				

	PROCUREMENT LEAD TIME			
	ADMIN LEAD TIME		Production	TOTAL AFTER 1-OCT
	PRIOR 1 OCT	AFTER 1 OCT		
INITIAL	10	5	36	41
REORDER	0	5	25	30

REMARKS

Terminal Mod Materiel Change No. 1-89-07-0005

PRODUCTION SCHEDULE (EXHIBIT P-21)										P-1 ITEM NOMENCLATURE Mod of In-Svc Equip (DSCS) (BB8416)																						DATE February 1995	
FAC	S/C	PROCUREMENT QUANTITY PR &93	FY 94	FY 95	FY 96	FY 97	FY	ACCEP PRIOR OCT	BAL DUE OCT	FISCAL YEAR 1996														FISCAL YEAR 1997										LATER
										1995	CALENDAR YEAR 1996													CALENDAR YEAR 1997										
										O	N	D	J	F	M	A	M	J	J	A	S	O	N	D	J	F	M	A	M	J	J	A	S	
1	A	23						11	12	2	2	2	2	2	2																			0
1	A		4					0	4							1			1			1			1								0
1	A			13				0	13																			1	1	1	1	1	1	7
1	A				12			0	12						A																			12
TOTAL		23	4	13	12	0	0	11	41	2	2	2	2	2	2	1	0	0	1	0	0	1	0	0	1	0	0	1	1	1	1	1	1	19
										O	N	D	J	F	M	A	M	J	J	A	S	O	N	D	J	F	M	A	M	J	J	A	S	

FAC	MAN NAME & LOC	MIN	185	MAX	REACHED
1	Harris Corp.	1	2	3	
	Melbourne, FL				

	PROCUREMENT LEAD TIME			
	ADMIN LEAD TIME		Production	TOTAL AFTER 1-OCT
	PRIOR 1 OCT	AFTER 1 OCT		
INITIAL	10	5	36	41
REORDER	0	5	25	30

REMARKS

Terminal Mod Materiel Change No. 1-89-07-0005.

No break in production.

PRODUCTION SCHEDULE (EXHIBIT P-21) | P-1 ITEM NOMENCLATURE Mod of In-Svc (DSCS) (BB8416) | DATE February 1995

FAC NO.	S V C	PROCUREMENT QUANTITY FY93 & PR	FY 94	FY 95	FY 96	FY 97	FY	ACCEP PRIOR OCT	BAL DUE OCT
1	A	23						23	0
1	A		4					4	0
1	A			13				6	7
1	A				12			0	12
TOTAL		23	4	13	12	0	0	33	19

	FISCAL YEAR 1998												FISCAL YEAR 1999												LATER
	1997	CALENDAR YEAR 1998												CALENDAR YEAR 1999											
	O	N	D	J	F	M	A	M	J	J	A	S	O	N	D	J	F	M	A	M	J	J	A	S	
1	1	1	1	1	1	1	1																		0
1							1	1	1	1	1	1	1	1	1	1	1	1							0
TOTAL	1	1	1	1	1	1	2	1	1	1	1	1	1	1	1	1	1	1	0	0	0	0	0	0	0
	O	N	D	J	F	M	A	M	J	J	A	S	O	N	D	J	F	M	A	M	J	J	A	S	

FAC	MAN NAME & LOC	MIN	185	MAX	REACHED
1	Harris Corp.	1	2	3	
	Melbourne, FL				

	PROCUREMENT LEAD TIME			
	ADMIN LEAD TIME		Production	TOTAL AFTER 1-OCT
	PRIOR 1 OCT	AFTER 1 OCT		
INITIAL	10	5	36	41
REORDER	0	5	25	30

REMARKS

Terminal Mod Materiel Change No. 1-89-07-0005

PRODUCTION SCHEDULE (EXHIBIT P-21) | P-1 ITEM NOMENCLATURE Mod of In-Svc Equip (DSCS) (BB8416) | DATE February 1995

FAC	S/C	PROCUREMENT QUANTITY FY93 & PR	FY 94	FY 95	FY 96	FY 97	FY	ACCEP PRIOR OCT	BAL DUE OCT
1	A					5		0	5
TOTAL		0	0	0	0	5	0	0	5

FISCAL YEAR 1994													FISCAL YEAR 1995												LATER
1993	CALENDAR YEAR 1994												CALENDAR YEAR 1995												
O	N	D	J	F	M	A	M	J	J	A	S	O	N	D	J	F	M	A	M	J	J	A	S	
																								5
																								0

PRODUCTION SCHEDULE (EXHIBIT P-21)

P-1 ITEM NOMENCLATURE Mod of In-Svc Equip (DSCS) (BB8416)

DATE February 1995

FAC NO.	SVC	PROCUREMENT QUANTITY PR &93	FY 94	FY 95	FY 96	FY 97	FY	ACCEP PRIOR OCT	BAL DUE OCT
1	A					5		0	5
TOTAL		0	0	0	0	5	0	0	5

FISCAL YEAR 1996																FISCAL YEAR 1997										LATER
CALENDAR YEAR 1995			CALENDAR YEAR 1996													CALENDAR YEAR 1997										
O	N	D	J	F	M	A	M	J	J	A	S	O	N	D	J	F	M	A	M	J	J	A	S			
														A												5
																										0
																										0
																										0
																										0
																										0
																										0
																										0
																										0
																										0
																										0
																										0
																										0
																										0
O	N	D	J	F	M	A	M	J	J	A	S	O	N	D	J	F	M	A	M	J	J	A	S			5

FAC	MAN NAME & LOC	MIN	185	MAX	REACHED
1	TBD	1	1	2	

	PROCUREMENT LEAD TIME			
	ADMIN LEAD TIME		PRODUCTION	TOTAL AFTER 1-OCT
	PRIOR 1 OCT	AFTER 1 OCT		
INITIAL	11	2	24	26
REORDER	N/A			

REMARKS

Antenna Upgrade Materiel Change No. 1-89-07-0030

PRODUCTION SCHEDULE (EXHIBIT P-21)										P-1 ITEM NOMENCLATURE Mod of In-Svc Equip (DSCS) (BB8416)																						DATE February 1995	
FAC	S/V C	PROCUREMENT QUANTITY						ACCEP PRIOR OCT	BAL DUE OCT	FISCAL YEAR 1998														FISCAL YEAR 1999									LATER
		PR &93	FY 94	FY 95	FY 96	FY 97	FY			1997	CALENDAR YEAR 1998													CALENDAR YEAR 1999									
										O	N	D	J	F	M	A	M	J	J	A	S	O	N	D	J	F	M	A	M	J	J	A	S	
1	A					5		0	5															3	1	1							0
																																	0
																																	0
																																	0
																																	0
																																	0
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																																	0
																																	0
																																	0
																																	0
																																	0
																																	0
																																	0
TOTAL		0	0	0	0	5	0	0	5	0	0	0	0	0	0	0	0	0	0	0	0	0	0	3	1	1	0	0	0	0	0	0	0
										O	N	D	J	F	M	A	M	J	J	A	S	O	N	D	J	F	M	A	M	J	J	A	S	

FAC	MAN NAME & LOC	MIN	185	MAX	REACHED
1	TBD	1	1	2	

	PROCUREMENT LEAD TIME			
	ADMIN LEAD TIME		PRODUCTION	TOTAL AFTER 1-OCT
	PRIOR 1 OCT	AFTER 1 OCT		
INITIAL	11	2	24	26
REORDER	N/A			

REMARKS

Antenna Upgrade Materiel Change No. 1-89-07-0030

In December 1999 the three First Article Units produced will be accepted.

REPORTS CONTROL SYMBOL
DD-COMP(AR)1092

BUDGET ITEM JUSTIFICATION SHEET

DATE February 1995

APPROPRIATION / BUDGET ACTIVITY
Other Procurement, Army 2 -
Communications and Electronics Equipment

P-1 ITEM NOMENCLATURE
DSCS - OPERATIONS CONTROL SYS (DOCS)
(BB8509)

	FY 94	FY 95	FY 96	FY 97	FY 98	FY 99	FY 00/FY 01
QUANTITY							
COST(IN MILLIONS)	16.3	14.6	6.7	15.5	10.1	17.7	10.3/10.3

DESCRIPTION: The Defense Satellite Communications System (DSCS) Operations Control System (DOCS) provides for the management of DSCS earth terminal and satellite resources, which is required for rapid and efficient reaction to operational needs. It is made up of a number of semi-automated subsystems which configure, monitor, maintain, and restore all communications links, and automatically controls operations over these links. It is intended to replace the existing (largely manual) control system, provide greatly enhanced responsive system control, reduce the number of required personnel, and increase overall system availability. The DOCS supports control of the satellite payload, strategic network planning, satellite communications link performance monitoring, and control of the ground terminals. The DOCS assures reliable satellite communications networks to support unique user mission requirements vital to national security under stressed and unstressed conditions.

JUSTIFICATION: FY96 funds will finance the final procurement of the DSCS Integrated Management System (DIMS). The DIMS provides automated data exchange between DSCS subsystems and remote monitoring capability of DSCSOC subsystems. It will also fund annualized engineering and matrix support of prior year procurements. FY97 funds will finance the first production units of the Replacement Satellite Configuration Control Element (RSCCE). The RSCCE provides real-time monitoring and control of the DSCS III satellite platform and communications payload. The RSCCE system can simultaneously control and acquire telemetry data from three predesignated satellites. It will also fund annualized engineering and matrix support of prior year procurements.

WEAPON SYSTEM COST ANALYSIS EXHIBIT (P-5)		A. APPROPRIATION NO. OPA2 - Communications and Electronics Equipment			B. WEAPON MODEL/SERIES/POPULAR NAME DSCS - Operations Control Sys (DOCS) (BB8509)						C.MANUF Numerous See P5a	D. DATE February 1995	
WEAPONS SYSTEM COST ELEMENTS	IDENT CODE	FY94 UNIT COST	FY94 QTY	FY94 TOTAL COST	FY95 UNIT COST	FY95 QTY	FY95 TOTAL COST	FY96 UNIT COST	FY96 QTY	FY96 TOTAL COST	FY97 UNIT COST	FY97 QTY	FY97 TOTAL COST
Hardware	A												
DIMS		1,115	10	11,149	1,038	9	9,340	950	2	1,900			
RSCCE											2,227	4	8,906
Engineering Support													
Contractor Engineering				2,655			2,824			2,636			2,747
Government Engineering				1,600			1,712			1,734			1,814
Documentation				915			303			32			2,009
Fielding							453			412			
Total DOCS				16,319			14,632			6,714			15,476

BUDGET PROCUREMENT HISTORY AND PLANNING EXHIBIT (P-5A)

A. DATE: February 1995

B. APPROPRIATION/BUDGET ACTIVITY: Other Procurement, Army 2 - Communications and Electronics Equipment

C. P-1 ITEM NOMENCLATURE: DSCS - Operational Control Sys (DOCS) (BB8509)

LINE ITEM/FISCAL YEAR	CONTRACTOR & LOCATION	CONTRACT METHOD AND TYPE	CONTRACTED BY	AWARD DATE	DATE OF FIRST DELIVERY	QTY	UNIT COST	SPECS AVAIL NOW	SPEC REVIS REQD	IF YES, WHEN AVAIL
DSCS Integrated Management Sys (DIMS)										
FY 1994	Stanford Telecom, Inc Colorado Springs, CO	C/FP	CECOM	Apr 94	Feb 95	10	1,114,900	YES	NO	
FY 1995	"	C/FP (OPT)	CECOM	Feb 95	Dec 95	9	1,037,778	YES	NO	
FY 1996	"	C/FP (OPT)	CECOM	Nov 95	Sep 96	2	950,000	YES	NO	
Replacement Satellite Configuration Control Element (RSCCE)										
FY 1997	TBS	C/FP	CECOM	Mar 97	Nov 98	4	2,226,500	YES	NO	

D. REMARKS:

UCTION SCHEDULE (EXHIBIT P-21) | P-1 ITEM NOMENCLATURE: DSCS - OPERATIONS CONTROL SYS (DOCS) (BB8509) | DATE: February 1995

PROD NO.	S V C	PROCUREMENT QUANTITY FY93 &PR	FY 94	FY 95	FY 96	FY 97	FY 98	ACCEP PRIOR OCT	BAL DUE OCT	FISCAL YEAR 1994												FISCAL YEAR 1995									LATER
													CALENDAR YEAR 1994											CALENDAR YEAR 1995								
										O	N	D	J	F	M	A	M	J	J	A	S	O	N	D	J	F	M	A	M	J	J	A	S	
																																	0
1	A		10					0	10							A										1	1	1	1	1	1	1	1	2
1	A			9				0	9																	A								9
1	A				2			0	2																									2
																																		0
2	A					4		0	4																									4
																																		0
																																		0
																																		0
																																		0
																																		0
																																		0
																																		0
																																		0
																																		0
TOTAL		0	10	9	2	4	0	0	25	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	1	1	1	1	1	1	17
										O	N	D	J	F	M	A	M	J	J	A	S	O	N	D	J	F	M	A	M	J	J	A	S	

FAC	MAN NAME & LOC	MIN	185	MAX	REACHED
1	Stanford Telecom, Inc	1	2	4	
	Colorado Springs, CO				
2	Unknown	1	2	3	

	PROCUREMENT LEAD TIME - DIMS			
	ADMIN LEAD TIME		PRODUCTION	TOTAL AFTER 1-OCT
	PRIOR 1 OCT	AFTER 1 OCT		
INITIAL	11	6	10	16
REORDER	0	4	10	14

REMARKS: Facility #1 = DIMS , Facility #2 = RSCCE

	PROCUREMENT LEAD TIME - RSCCE			
	ADMIN LEAD TIME		PRODUCTION	TOTAL AFTER 1-OCT
	PRIOR 1 OCT	AFTER 1 OCT		
INITIAL	11	5	20	25
REORDER	0	5	15	21

PRODUCTION SCHEDULE (EXHIBIT P-21) | P-1 ITEM NOMENCLATURE: DSCS - OPERATIONS CONTROL SYS (DOCS) (BB8509) | DATE: February 1995

FAC. NO.	SVC	PROCUREMENT QUANTITY FY93 & PR	FY 94	FY 95	FY 96	FY 97	FY 98	ACCEP PRIOR OCT	BAL DUE OCT	FISCAL YEAR 1996														FISCAL YEAR 1997									LATER
													CALENDAR YEAR 1996													CALENDAR YEAR 1997									
										O	N	D	J	F	M	A	M	J	J	A	S	O	N	D	J	F	M	A	M	J	J	A	S	
																																	0
																																	0
1	A		10					8	2	1	1																						0
1	A			9				0	9			1	1	1	1	1	1	1	1	1													0
1	A				2			0	2		A										1	1											0
																																	4
2	A					4		0	4																		A						0
																																	0
																																	0
																																	0
																																	0
																																	0
																																	0
																																	0
																																	0
																																	0
TOTAL		0	10	9	2	4	0	8	17	1	1	1	1	1	1	1	1	1	1	1	1	1	0	0	0	0	0	0	0	0	0	0	4
										O	N	D	J	F	M	A	M	J	J	A	S	O	N	D	J	F	M	A	M	J	J	A	S	

FAC	MAN NAME & LOC	MIN	185	MAX	REACHED
1	Stanford Telecom, Inc	1	2	4	
	Colorado Springs, CO				
2	Unknown	1	2	3	

	PROCUREMENT LEAD TIME - DIMS			
	ADMIN LEAD TIME		PRODUCTION	TOTAL AFTER 1-OCT
	PRIOR 1 OCT	AFTER 1 OCT		
INITIAL	11	6	10	16
REORDER	0	2	10	12

REMARKS: Facility #1 = DIMS , Facility #2 = RSCCE

	PROCUREMENT LEAD TIME - RSCCE			
	ADMIN LEAD TIME		PRODUCTION	TOTAL AFTER 1-OCT
	PRIOR 1 OCT	AFTER 1 OCT		
INITIAL	11	5	20	25
REORDER	0	6	15	21

PRODUCTION SCHEDULE (EXHIBIT P-21)										P-1 ITEM NOMENCLATURE: DSCS - OPERATIONS CONTROL SYS (DOCS) (BB8509)																						DATE: February 1995	
FAC	S V C	PROCUREMENT QUANTITY						ACCEP PRIOR OCT	BAL DUE OCT	FISCAL YEAR 1998														FISCAL YEAR 1999										LATER
		FY93 & PR	FY 94	FY 95	FY 96	FY 97	FY 98			CALENDAR YEAR 1998														CALENDAR YEAR 1999										
										O	N	D	J	F	M	A	M	J	J	A	S	O	N	D	J	F	M	A	M	J	J	A	S	
																																		0
1	A		10					10	0																									0
1	A			9				9	0																									0
1	A				2			2	0																									0
																																		0
2	A					4		0	4														1	1	1	1								0
																																		0
																																		0
																																		0
																																		0
																																		0
																																		0
																																		0
																																		0
																																		0
TOTAL		0	10	9	2	4	0	21	4	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	1	1	0	0	0	0	0	0	0	0
										O	N	D	J	F	M	A	M	J	J	A	S	O	N	D	J	F	M	A	M	J	J	A	S	

FAC	MAN NAME & LOC	MIN	185	MAX	REACHED
1	Stanford Telecom, Inc	1	2	4	
	Colorado Springs, CO				
2	Unknown	1	2	3	

	PROCUREMENT LEAD TIME - DIMS			
	ADMIN LEAD TIME		PRODUCTION	TOTAL AFTER 1-OCT
	PRIOR 1 OCT	AFTER 1 OCT		
INITIAL	11	6	10	16
REORDER	0	4	10	14

REMARKS: Facility #1 = DIMS , Facility #2 = RSCCE, First 3 RSCCE units are Initial Production Units (IPU) that will undergo test prior to full rate production..

	PROCUREMENT LEAD TIME - RSCCE			
	ADMIN LEAD TIME		PRODUCTION	TOTAL AFTER 1-OCT
	PRIOR 1 OCT	AFTER 1 OCT		
INITIAL	11	5	20	25
REORDER	0	5	15	21

REPORTS CONTROL SYMBOL DD-COMP(AR) 1092	UNCLASSIFIED BUDGET ITEM JUSTIFICATION SHEET	DATE February 1995

APPROPRIATION/BUDGET ACTIVITY	P-1 ITEM NOMENCLATURE
Other Procurement, Army 2 - Communications and Electronics Equipment	DSCS - DIGITAL EQUIPMENT (BB 8501)

	FY 94	FY 95	FY 96	FY 97	FY 98	FY 99	FY 00	FY 01
QUANTITY								
COST (In Millions)	26.2	28.1	20.8	19.1	13.4	10.4	8.1	8.1

DESCRIPTION: The Defense Satellite Communications System (DSCS) is a subset of the entire Defense Communications System (DCS). The Army DSCS provides research, development, and procurement of the ground segment portion of all strategic satellite communications systems. This equipment accepts voice frequency and digital data from other terrestrial ground systems, i.e., telephone, telephone switching centers, Defense Data Network (DDN), Defense Switched Network (DSN), Secure Voice Communications and microwave; and converts the aggregate user signals into a digital signal which is then transmitted to its recipients utilizing DSCS Phase II and Phase III 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.

a. This equipment is integrated into the Digital Communications Satellite Subsystem (DCSS) which is a system of electronic racks integrated into a vanized or fixed configuration.

b. Each system is tailored to the individual user earth terminal requirements.

JUSTIFICATION: Due to current aging equipment and projected future operational needs, the DSCS Program must be sustained through the year 2010. A sustainment program has been established for the DCSS to increase supportability and efficiency while decreasing space, power, and personnel requirements. FY 96/97 funds will provide for fabrication of racks, components, and DCSS vans and their integration into the DSCS. Primary emphasis is the fabrication of racks in support of Jam Resistant Secure Communications (JRSC), and global Tri-Service Frequency Division Multiple Access (FDMA) earth terminal communications requirements scheduled for installation during this period. Also a priority is the fabrication of new DCSS AN/MSC-74 operations vans in support of earth terminal installations at key DCS sites. These new vans, JRSC racks, and FDMA racks provide the maximum efficiency in long-range communications by integrating in one system all digital communications functions, satellite control, and anti-jam secure communications. The critical DCSS sustainment program will continue in this timeframe with the procurement/fielding of new modems (OM-73) and the teletype replacement system consisting of the Universal Terminal Emulator (UTE). Another DCSS priority effort is the Multiplex Sustainment Program which involves replacing the 1960's multiplex technology with the DSCS/DCS standard Integrated Digital Network Exchange (IDNX). The DCSS also provides for the fabrication of racks and equipment to field the Strategic/Tactical Entry Point Gateways (STEP), the only means of interoperable communications providing tactical field commanders global connectivity with each other and with strategic commanders, CINCs, and the Pentagon. An additional sustainment effort is to field the state-of-the-art Data Statistics Processor (DSP) in support of the IDNX and other DSCS requirements.

WEAPON SYSTEM COST ANALYSIS EXHIBIT (P-5)		A. APPROPRIATION NO. OPA2 - Communications and Electronics Equipment			B. WEAPON MODEL/SERIES/POPULAR NAME DSCS - DIGITAL EQUIPMENT (BB8501) TOTAL COST IN THOUSANDS OF DOLLARS						C.MANUF Numerous See P5a		D. DATE February 1995
WEAPONS SYSTEM COST ELEMENTS	IDENT CODE	FY94 UNIT COST	FY94 QTY	FY94 TOTAL COST	FY95 UNIT COST	FY95 QTY	FY95 TOTAL COST	FY96 UNIT COST	FY96 QTY	FY96 TOTAL COST	FY97 UNIT COST	FY97 QTY	FY97 TOTAL COST
DCSS EQUIPMENT RACKS AND FABRICATION	A												
Hardware		VAR	9	9,698	VAR	7	7,031	VAR	6	5,787	VAR	7	7,621
Integration				300			319			325			345
Engineering Support													
Contractor Engineering				1,764			1,775			1,785			1,800
Government Engineering				1,788			1,800			1,825			1,850
Documentation				1,500			1,500			1,500			1,500
OM-73 Modem Procurement													
Hardware		17	102	1,734	17	300	5,100	17	220	3,740			
Non-Recurring Contr Engrg				1,439									
Documentation				250									
Universal Terminal Emulator					13	200	2,500	13	24	300			
Multiplex Systems		VAR	14	5,601	VAR	8	5,500	VAR	8	5,500	VAR	9	6,000
Data Statistics Processor		VAR	95	2,122	VAR	124	2,594						
TOTAL DCSS				26,196			28,119			20,762			19,116

BUDGET PROCUREMENT HISTORY AND PLANNING EXHIBIT (P-5A)

A. DATE: February 1995

B. APPROPRIATION/BUDGET ACTIVITY: Other Procurement, Army 2 - Communications and Electronics Equipment

C. P-1 ITEM NOMENCLATURE: DSCS - DIGITAL EQUIPMENT (BB8501)

LINE ITEM/FISCAL YEAR	CONTRACTOR & LOCATION	CONTRACT METHOD AND TYPE	CONTRACTED BY	AWARD DATE	DATE OF FIRST DELIVERY	QTY	UNIT COST	SPECS AVAIL NOW	SPEC REVIS REQD	IF YES, WHEN AVAIL
DCSS EQUIPMENT *										
RACKS AND FABRICATION										
FY 1994	TOAD	WR	CECOM	Nov 93	Jan 94	9	VAR	YES		
FY 1995	TOAD	WR	CECOM	Nov 94	Jan 95	7	VAR	YES		
FY 1996	TOAD	WR	CECOM	Nov 95	Jan 96	6	VAR	YES		
FY 1997	TOAD	WR	CECOM	Nov 96	Feb 97	7	VAR	YES		
OM-73 MODEM PROCUREMENT										
FY 1994	GROUP TECH CORP.	C/FFP	CECOM	May 94	Sep 95	102	17,000	YES		
FY 1995	GROUP TECH CORP.	C/FFP	CECOM	Mar 95	Oct 95	300	17,000	YES		
FY 1996	GROUP TECH CORP.	C/FFP	CECOM	Mar 96	Oct 96	220	17,000	YES		
MULTIPLEX SYSTEMS										
FY 1994	NET	MIPR	AF	Feb 94	May 94	14	VAR	YES		
FY 1995	NET	MIPR	AF	Feb 95	May 95	8	VAR	YES		
FY 1996	NET	MIPR	AF	Feb 96	May 96	8	VAR	YES		
FY 1997	NET	MIPR	AF	Feb 97	May 97	9	VAR	YES		
UTE										
FY 1995	GRID SYSTEMS	MIPR	AF	Mar 95	Jul 95	200	12,500	YES		
FY 1996	GRID SYSTEMS	MIPR	AF	Mar 96	Jul 96	24	12,500	YES		
DATA STATISTICS PROCESSOR										
FY 1994	NET	MIPR	AF	May 94	Jun 94	95	VAR	YES		
FY 1995	NET	MIPR	AF	Mar 95	Apr 95	124	VAR	YES		

D. REMARKS:
* CONFIGURATION IS SITE DEPENDENT
WR = WORK REQUEST
TOAD = TOBYHANNA ARMY DEPOT
MIPR = MILITARY INTERDEPARTMENTAL PURCHASE REQUEST
VAR = VARIABLE
NET = NETWORK EQUIPMENT TECHNOLOGY
GROUP TECH CORP. = GROUP TECHNOLOGIES CORPORATION
UTE = UNIVERSAL TERMINAL EMULATOR

PRODUCTION SCHEDULE (EXHIBIT P-21)										P-1 ITEM NOMENCLATURE DSCS - DIGITAL EQUIPMENT														DATE February 1995										
FAC NO.	S V C	PROCUREMENT QUANTITY						ACCEP PRIOR OCT	BAL DUE OCT	FISCAL YEAR 1994												FISCAL YEAR 1995											LATER
		FY93 &PR	FY 94	FY 95	FY 96	FY 97	FY			CALENDAR YEAR 1994												CALENDAR YEAR 1995											
										O	N	D	J	F	M	A	M	J	J	A	S	O	N	D	J	F	M	A	M	J	J	A	S	
DCSS EQUIPMENT																																	
1	A		9					0	9		A		1	1	1	1	1	1	1	1	1												0
1	A			7				0	7														A		1	1	1	1		1	1	1		0
1	A				6			0	6																								6
1	A					7		0	7																								7
																																	0
OM-73 MODEM PROCUREMENT																																	0
2	A	116						20	96	12	14	18	24	28																			0
3	A		102					0	102								A															10	92
3	A			300				0	300																		A						300
3	A				220			0	220																								220
																																	0
																																	0
																																	0
																																	0
																																	0
																																	0
																																	0
TOTAL		116	111	307	226	7	0	20	747	12	14	18	25	29	1	1	1	1	1	1	1	0	0	0	1	1	1	1	0	1	1	1	10	625
										O	N	D	J	F	M	A	M	J	J	A	S	O	N	D	J	F	M	A	M	J	J	A	S	

FAC	MAN NAME & LOC	MIN	185	MAX	REACHED
1	Tobyhanna Army Depot	N/A	N/A	N/A	
2	Titan Linkabit	10	30	90	
3	Group Technologies	10	40	120	

OM-73 SS/FFP

	PROCUREMENT LEAD TIME			
	ADMIN LEAD TIME		PRODUCTION	TOTAL AFTER 1-OCT
	PRIOR 1 OCT	AFTER 1 OCT		
INITIAL	6	2	8	10
REORDER				

REMARKS

NO PROCUREMENT LEAD TIME FOR DCSS EQUIPMENT - WORK EFFORT FOR SITE UPGRADES AND FABRICATION OF OPERATIONS VANS ACCOMPLISHED BY TOBYHANNA ARMY DEPOT

PRODUCTION SCHEDULE (EXHIBIT P-21) | P-1 ITEM NOMENCLATURE DSCS - DIGITAL EQUIPMENT | DATE February 1995

FAC NO.	S V C	PROCUREMENT QUANTITY FY93 &PR	FY 94	FY 95	FY 96	FY 97	FY	ACCEP PRIOR OCT	BAL DUE OCT	FISCAL YEAR 1996 O	N	D	J	F	M	A	M	J	J	A	S	FISCAL YEAR 1997 O	N	D	J	F	M	A	M	J	J	A	S	L A R
DCSS EQUIPMENT																																		
1	A		9					9	0																									0
1	A			7				7	0																									0
1	A				6			0	6		A		1	1		1	1		1	1													0
1	A					7		0	7														A			1	1	1		1	1	1	1	0
																																		0
OM-73 MODEM PROCUREMENT																																		0
2	A	116						116	0																									0
3	A		102					10	92	10	15	15	20	20	12																			0
3	A			300				0	300	20	20	20	20	20	20	30	30	30	30	30	30													0
3	A				220			0	220						A							30	30	30	30	30	30	30	10					0
																																		0
																																		0
																																		0
																																		0
																																		0
																																		0
TOTAL		116	111	307	226	7	0	142	625	30	35	35	41	41	32	31	31	30	31	31	30	30	30	30	30	31	31	31	10	1	1	1	1	0
										O	N	D	J	F	M	A	M	J	J	A	S	O	N	D	J	F	M	A	M	J	J	A	S	

FAC	MAN NAME & LOC	MIN	185	MAX	REACHED
1	Tobyhanna Army Depot	N/A	N/A	N/A	
2	Titan Linkabit	10	30	90	
3	Group Technologies	10	40	120	

OM-73 C/FFP

	PROCUREMENT LEAD TIME			
	ADMIN LEAD TIME		PRODUCTION	TOTAL AFTER 1-OCT
	PRIOR 1 OCT	AFTER 1 OCT		
INITIAL	9	7	16	23
REORDER	0	6	7	13

REMARKS

NO PROCUREMENT LEAD TIME FOR DCSS EQUIPMENT - WORK EFFORT FOR SITE UPGRADES AND FABRICATION OF OPERATIONS VANS ACCOMPLISHED BY TOBYHANNA ARMY DEPOT

PRODUCTION SCHEDULE (EXHIBIT P-21)										P-1 ITEM NOMENCLATURE DSCS - DIGITAL EQUIPMENT																								DATE February 1995	
FAC NO.	S V C	PROCUREMENT QUANTITY						ACCEP PRIOR OCT	BAL DUE OCT	FISCAL YEAR 1994														FISCAL YEAR 1995										L A T E R
		FY93 &PR	FY 94	FY 95	FY 96	FY 97	FY			CALENDAR YEAR 1994														CALENDAR YEAR 1995										
										O	N	D	J	F	M	A	M	J	J	A	S	O	N	D	J	F	M	A	M	J	J	A	S	
MULTIPLEX SYSTEMS																																		
4	A		14					0	14					A			2	2	2	2	2	2	2											0
4	A			8				0	8																	A			2	2	2	2		0
4	A				8			0	8																									8
4	A					9		0	9																									9
																																		0
UNIVERSAL TERMINAL EMULATOR																																		0
5	A			200				0	200																		A			20	20	20	140
5	A				24			0	24																									24
																																		0
																																		0
																																		0
DATA STATISTICS PROCESSOR																																		0
6	A		95					0	95								A	20	20	20	20	15												0
6	A							0	124																		A	20	20	20	20	20	20	4
																																		0
																																		0
																																		0
TOTAL		0	109	332	32	9	0	0	482	0	0	0	0	0	0	0	2	22	22	22	22	17	2	0	0	0	0	20	22	22	42	42	40	185
										O	N	D	J	F	M	A	M	J	J	A	S	O	N	D	J	F	M	A	M	J	J	A	S	

FAC	MAN NAME & LOC	MIN	185	MAX	REACHED
4	NET		N/A		
5	GRID SYSTEMS		N/A		
6	NET		N/A		

	PROCUREMENT LEAD TIME			
	ADMIN LEAD TIME		PRODUCTION	TOTAL AFTER 1-OCT
	PRIOR 1 OCT	AFTER 1 OCT		
INITIAL	N/A			
REORDER	N/A			

REMARKS

MULTIPLEX SYSTEMS/UNIVERSAL TERMINAL EMULATOR/DATA STATISTICS PROCESSOR: NO PROCUREMENT LEAD TIME AS FUNDS WILL BE MIPR'D TO AN EXISTING CONTRACT

PRODUCTION SCHEDULE (EXHIBIT P-21) | P-1 ITEM NOMENCLATURE DSCS - DIGITAL EQUIPMENT | DATE February 1995

FAC NO.	S V C	PROCUREMENT QUANTITY FY93 &PR	FY 94	FY 95	FY 96	FY 97	FY	ACCEP PRIOR OCT	BAL DUE OCT	FISCAL YEAR 1996 / CALENDAR YEAR 1996 O	N	D	J	F	M	A	M	J	J	A	S	FISCAL YEAR 1997 / CALENDAR YEAR 1997 O	N	D	J	F	M	A	M	J	J	A	S	LAT
MULTIPLEX SYSTEMS																																		
4	A		14					14	0																									0
4	A			8				8	0																									0
4	A				8			0	8					A			2	2	2	2														0
4	A					9		0	9																		A			2	2	2	2	1	0
																																		0
UNIVERSAL TERMINAL EMULATOR																																		0
5	A			200				60	140	20	20	20	20	20	20	20																		0
5	A				24			0	24						A				20	4														0
																																		0
																																		0
																																		0
DATA STATISTICS PROCESSOR																																		0
6	A		95					95	0																									0
6	A			124				120	4	4																								0
																																		0
																																		0
																																		0
TOTAL		0	109	332	32	9	0	297	185	24	20	20	20	20	20	20	2	2	22	6	0	0	0	0	0	0	0	2	2	2	2	1	0
										O	N	D	J	F	M	A	M	J	J	A	S	O	N	D	J	F	M	A	M	J	J	A	S	

FAC	MAN NAME & LOC	MIN	185	MAX	REACHED
4	NET		N/A		
5	GRID SYSTEMS		N/A		
6	NET		N/A		

	PROCUREMENT LEAD TIME			
	ADMIN LEAD TIME		PRODUCTION	TOTAL AFTER 1-OCT
	PRIOR 1 OCT	AFTER 1 OCT		
INITIAL	N/A			
REORDER	N/A			

REMARKS

MULTIPLEX SYSTEMS/UNIVERSAL TERMINAL EMULATOR/DATA STATISTICS PROCESSOR: NO PROCUREMENT LEAD TIME AS FUNDS WILL BE MIPR'D TO AN EXISTING CONTRACT

REPORTS CONTROL SYMBOL DD-COMP(AR) 1092	BUDGET ITEM JUSTIFICATION SHEET	DATE February 1995

APPROPRIATION / BUDGET ACTIVITY	P-1 ITEM NOMENCLATURE
Other Procurement, Army 2 - Communications and Electronics Equipment	DSCS--Interconnect Facility (BB 8504)

	FY 94	FY 95	FY 96	FY 97	FY 98	FY 99	FY 00	FY 01
QUANTITY								
COST (In Millions)	$ 3.3	$ 4.5	$ 3.0	$ 3.3	$ 3.3	$ 3.4	$ 3.3	$ 3.3

DESCRIPTION: This program installs and interfaces strategic satellite communications earth terminals procured by Project Manager, Satellite Communications (PM SATCOM) with digital communications equipment procured and packaged by Communications-Electronics Commnand (CECOM) and interfaces with existing technical control and special user facilities.

JUSTIFICATION: FY 96/97 funds will buy equipment in support of Defense Information Systems Agency (DISA) and Joint Chiefs of Staff (JCS) directed satellite ground terminal relocations supporting the realignment of US Forces worldwide. The end of the Cold War, with its reduced overseas manning and the refocus of US interests to areas such as Southwest Asia, require a major shift of key strategic satellite ground resources to support new areas of interest and troop dispositions. Additionally, sustaining the Defense Satellite Communications System (DSCS) systems requires marginal systems be replaced by newer systems made available by US troop withdrawals from Europe and other areas.

WEAPON SYSTEM COST ANALYSIS EXHIBIT (P-5)	A. APPROPRIATION/TITLE/NO. OPA 2 - Communications and Electronics Equipment				B. WEAPON MODEL/SERIES/POPULAR NAME DSCS - INTERCONNECT FACILITY (BB 8504)						C. MANUF Numerou See 5a.	D. DATE February 1995	
WEAPON SYSTEM COST ELEMENTS	IDENT CODE	FY 94 Unit Cost	Qty	Total Cost	FY 95 Unit Cost	Qty	Total Cost	FY 96 Unit Cost	Qty	Total Cost	FY 97 Unit Cost	Qty	Total Cost
A&E DESIGN	A	VAR	3	471				400	1	400			
SITE PREP	A				VAR	3	2,325				2,000	1	2,000
INTERCONNECT FACILITY MBOM	A				VAR	VAR	150	VAR	VAR	1,300	VAR	VAR	500
FIBER OPTIC MODEMS	A				VAR	VAR	150						
IBOM F/INSTL	A	VAR	VAR	457	VAR	VAR	150	VAR	VAR	290	VAR	VAR	311
FIELDING	A	VAR	VAR	123									
DIRECT COMM LINK	A	VAR	VAR	145	386	1	386						
DEICER REFURB & INSTL	A	VAR	VAR	123									
INSTALLATION & CHECKOUT SPARES	A	VAR	VAR	260	VAR	VAR	520	VAR	VAR	480	VAR	VAR	500
SATELLITE EQUIPMENT MGT SYS	A	VAR	VAR	80	VAR	VAR	300	VAR	VAR	500			
POWER SYSTEM UPGRADE	A	970	1	970									
UNINTERRUPTABLE POWER SUPPLY (UPS)	A	324	1	324	500	1	500						
ICF TEST FACILITY	A	262	1	262									
BATTERIES/RACK	A				65	1	65						
FT. BUCKNER ASCT	A	70	1	70									
TECH SPT FOR NAVY 9 RADOME	A	45	1	45									
TOTAL				3,330			4,546			2,970			3,311

BUDGET PROCUREMENT HISTORY AND PLANNING EXHIBIT (P - 5A)

A. DATE: February 1995

B. APPROPRIATION / BUDGET ACTIVITY
Other Procurement, Army 2 - Communications and Electronics Equipment

C. P-1 ITEM NOMENCLATURE
DSCS - INTERCONNECT FACILITY (BB 8504)

LINE ITEM / FISCAL YEAR	CONTRACTOR	CONTRACT METHOD AND TYPE	CONTRACTED BY	AWARD DATE	DATE OF FIRST DELIVERY	QTY	UNIT COST	SPEC AVAIL NOW	SPEC REVIS REQ'D	IF YES, WHEN AVAIL
A&E DESIGN										
FY 94	IN-HOUSE	MIPR	COE 1/	MAY 94	SEP 94	1	400			
FY 96	TBS	TBS	COE	MAR 96	JUN 96	1	400	NO		
SITE PREP										
FY 95	IN-HOUSE	MIPR	COE	NOV 94	MAR 95	3	VAR*	YES	NO	
FY 97	TBS	C/FP	COE	MA4 97	MAR 97	1	2,000	NO		
ICF/MBOM										
FY 95	VAR**	VAR	SHARPE DEPOT	MAR 95	MAR 95	VAR*	VAR*	YES	NO	
FY 96	VAR**	VAR	SHARPE DEPOT	NOV 95	MAR 96	VAR*	VAR*	YES	NO	
FY 97	VAR**	VAR	SHARPE DEPOT	NOV 96	MAR 97	VAR*	VAR*	YES	NO	
FIBER OPTICS MODEMS										
FY 95	TBS	C/FP	ISC	JUN 95	FEB 95	VAR*	VAR*	YES	NO	
IBOM F/ISTL										
FY 94	VAR**	VAR	SHARPE DEPOT	VAR	JAN 94	VAR*	VAR*			
FY 95	VAR**	VAR	SHARPE DEPOT	VAR	JAN 95	VAR*	VAR*	YES	NO	
FY 96	VAR**	VAR	SHARPE DEPOT	VAR	JAN 96	VAR*	VAR*	NO		
FY 97	VAR**	VAR	SHARPE DEPOT	VAR	JAN 97	VAR*	VAR*	NO		
FIELDING										
FY 94	IN-HOUSE	MIPR	ISEC	VAR	VAR	VAR	VAR			

D. Remarks:
COE = CORPS OF ENGINEERS
1/ = CORPS OF ENGINEERS, WINCHESTER,VA
* = SITE SPECIFIC
** = VARIOUS CONTRACTS AWARDED BY SHARPE DEPOT

BUDGET PROCUREMENT HISTORY AND PLANNING EXHIBIT (P - 5A)

A. DATE: February 1995

B. APPROPRIATION / BUDGET ACTIVITY
Other Procurement, Army 2 - Communications and Electronics Equipment

C. P-1 ITEM NOMENCLATURE
DSCS - INTERCONNECT FACILITY (BB 8504)

LINE ITEM / FISCAL YEAR	CONTRACTOR	CONTRACT METHOD AND TYPE	CONTRACTED BY	AWARD DATE	DATE OF FIRST DELIVERY	QTY	UNIT COST	SPEC AVAIL NOW	SPEC REVIS REQ'D	IF YES, WHEN AVAIL
DIRECT COMM LINK										
FY 94	VAR*	VAR	SHARPE DEPOT	MAY 94	AUG 94	VAR	VAR			
FY 95	SIS, INC 1/	C/FP	ISC	DEC 94	DEC 94	1	386	YES	NO	
DEICER REFURB & INSTL										
FY 94	WALTON IND 2/	S/S	CECOM	MAR 94	MAY 94	VAR	VAR			
I&C SPARES										
FY 94	IN-HOUSE	REQ	CECOM	VAR	DEC 93	VAR**	VAR**			
FY 95	IN-HOUSE	REQ	CECOM	VAR	NOV 94	VAR**	VAR**	YES	NO	
FY 96	IN-HOUSE	REQ	CECOM	VAR	DEC 95	VAR**	VAR**	YES	NO	
FY 97	IN-HOUSE	REQ	CECOM	VAR	NOV 96	VAR**	VAR**	YES	NO	
SAT EQUIP MGT SYS										
FY 94	SAIC 3/	C/FP	ISC	APR 94	JUN 94	VAR**	VAR**			
FY 95	SAIC	C/FP	ISC	NOV 94	DEC 94	VAR**	VAR**	YES	NO	
FY 96	SAIC	C/FP	ISC	NOV 95	DEC 95	VAR**	VAR**	YES	NO	
POWER SYSTEM UPGRADE										
FY 94	IN-HOUSE	MIPR	29th AREA SPT GRP	DEC 93	FEB 94	1	970			
UPS										
FY 94	EXIDE 4/	C/FP	NAVALEX	JUN 94	SEP 94	1	324			
FY 95	EXIDE	C/FP	NFESC /5	FEB 95	MAY 95	1	500	YES	NO	

D. Remarks:
* = VARIOUS CONTRACTS AWARDED BY SHARPE DEPOT
** = SITE SPECIFIC
1/ SIS, INC = SPREAD INFORMATION SCIENCES, INC., BAYSIDE,NY
2/ WALTON INDUSTRIES, RIVERSIDE CA
3/ SAIC = SCIENCE APPLICATIONS INTERNATIONAL CORP, SIERRA VISTA, AZ
4/ EXIDE, COLUMBIA, MD
5/ NFESC = NAVAL FACILITIES ENGINEERING SERVICE CENTER

BUDGET PROCUREMENT HISTORY AND PLANNING EXHIBIT (P - 5A)

A. DATE: February 1995

B. APPROPRIATION / BUDGET ACTIVITY
Other Procurement, Army 2 - Communications and Electronics Equipment

C. P-1 ITEM NOMENCLATURE
DSCS - INTERCONNECT FACILITY (BB 8504)

LINE ITEM / FISCAL YEAR	CONTRACTOR	CONTRACT METHOD AND TYPE	CONTRACTED BY	AWARD DATE	DATE OF FIRST DELIVERY	QTY	UNIT COST	SPEC AVAIL NOW	SPEC REVIS REQ'D	IF YES, WHEN AVAIL
ICF TEST FACILITY FY 94	NET 1/	C/FP	DECCO	JUN 94	AUG 94	1	262			
BATTERIES/RACK FY 95	EXIDE 2/	C/FP	NFESC 3/	JAN 95	APR 95	1	65	YES	NO	
FT. BUCKNER ASCT FY 94	IN-HOUSE	MIPR	COE 4/	NOV 93	DEC 93	1	70			
TECH SPT FOR NAVY 9 RADOME FY 94	ANTENNAS FOR COMMUNICATIONS 5/	C/FP	CECOM	MAR 94	JUN 94	1	45			

D. Remarks:
1/ NET = NETWORK EQUIPMENT TECHNOLOGIES, REDWOOD CITY, CA
2/ EXIDE, COLUMBIA MD
3/ NFESC = NAVAL FACILITIES ENGINEERING SERVICE CENTER
4/ COE = US ARMY CORPS OF ENGINEERS--JAPAN
5/ ANTENNAS FOR COMMUNICATIONS, OCALA, FL

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REPORTS CONTROL SYMBOL
DD-COMP(AR)1092

BUDGET ITEM JUSTIFICATION SHEET

DATE February 1995

APPROPRIATION / BUDGET ACTIVITY
Other Procurement: Army 2
Communications and Electronics Equipment

P-1 ITEM NOMENCLATURE

SAT TERM, ADVANCED MPK UHF

(K77200)

	FY 94	FY 95	FY 96	FY 97	FY 98	FY 99	FY 00/FY
QUANTITY	275	500	618	473	447		
COST(IN MILLIONS)	9.6	15.0	17.5	13.4	11.5	0	0/0

DESCRIPTION: The Ultra High Frequency (UHF) Tactical Satellite Manpack program is a family of single channel radios consisting of existing inventory of LST-5 and PSC-3/VSC-7's and an Enhanced Manpack UHF Terminal (EMUT) program to modify, or replace the existing inventory of radios to add Communications Security (COMSEC) and Demand Assigned Multiple Access (DAMA) to support Special Operations Forces (SOF) and all other users. The Advanced Manpack UHF Terminal (AMUT) program will incorporate COMSEC and DAMA features in a terminal that meets the weight and size requirements specified by the user.

JUSTIFICATION: The FY-96 and FY 97 funds will be used to continue to replace the current Army UHF tactical satellite manpack terminals (LST-5/PSC-3/VSC-7) to provide embedded crypto compatible with the KY-57 and Advanced Narrowband Digital Voice Terminal (ANDVT) for Comsec Operation with the AN/PSC-5. This will eliminate the need for the soldier to carry crypto equipment for similar operational requirements. In 1989 Joint Staff (JS) mandated that all UHF satellite manpack terminals be secure by 1994 (since rescheduled to 1996) and have DAMA capability by 1996. No other DoD manpack terminals possess the UHF DAMA capability, which allows more efficient use of limited satellite resources.

WEAPON SYSTEM COST ANALYSIS EXHIBIT (P-5)	A. APPROPRIATION NO. OPA2 - Communications and Electronics Equipment	B. WEAPON MODEL/SERIES/POPULAR NAME SAT TERM, ADVANCED MANPACK UHF (K77200)	C.MANUF Numerous See P5a	D. DATE February 1995

WEAPONS SYSTEM COST ELEMENTS	IDENT CODE	FY94 UNIT COST	FY94 QTY	FY94 TOTAL COST	FY95 UNIT COST	FY95 QTY	FY95 TOTAL COST	FY96 UNIT COST	FY96 QTY	FY96 TOTAL COST	FY97 UNIT COST	FY97 QTY	FY97 TOTAL COST
1. HARDWARE	A	18,553	275	5,102	22,004	*527	11,596	21,305	*640	13,635	21,156	473	10,007
2. ENGINEERING SUPPORT													
a. Contractor Engineering				986			565			538			518
b. Government Engineering				722			1,131			1,269			1,288
3. CLAIM/ECP				0			1,226			1,159			590
4. DATA				1,379			0			0			0
5. TEST				1,391			295			0			0
6. FIELDING				0			138			897			977
7. TOTAL				9,580			14,951			17,498			13,380

* The P1 quantity has not been updated to reflect the latest projections.

BUDGET PROCUREMENT HISTORY AND PLANNING EXHIBIT (P-5A)

A. DATE February 19[illegible]

B. APPROPRIATION/BUDGET ACTIVITY
Other Procurement, Army 2 - Communications and Electronics Equipment

C. P-1 ITEM NOMENCLATURE
SAT TERM, ADVANCED MANPACK UHF (K77200)

LINE ITEM/FISCAL YEAR	CONTRACTOR & LOCATION	CONTRACT METHOD AND TYPE	CONTRACTED BY	AWARD DATE	DATE OF FIRST DELIVERY	QTY	UNIT COST	SPECS AVAIL NOW	SPEC REVIS REQD	IF YES, WHEN AVAIL
SAT TERM, ADVANCED MANPACK UHF										
FY 1994	MAGNAVOX ELECTRONIC SYS INC., FT. WAYNE, IN	C/FFP	CECOM	Jan 94	May 95	275	18,553	YES	NO	
FY 1995	MAGNAVOX ELECTRONIC SYS INC., FT. WAYNE, IN	FFP/OPT	CECOM	Mar 95	Jun 96	527	22,004	YES	NO	
FY 1996	MAGNAVOX ELECTRONIC SYS INC., FT. WAYNE, IN	FFP/OPT	CECOM	Jan 96	Apr 97	640	21,305	YES	NO	
FY 1997	MAGNAVOX ELECTRONIC SYS INC., FT. WAYNE, IN	FFP/OPT	CECOM	Jan 97	Apr 98	473	21,156	YES	NO	

D. REMARKS:

Quantities have been adjusted to reflect planned procurements. Changes in unit cost are the result of fluctuating costs and schedules of individual government furnished hardware components.

PRODUCTION SCHEDULE (EXHIBIT P-21)

P-1 ITEM NOMENCLATURE: SAT TERM, ADVANCED MPK UHF (K77200) — DATE: February 1995

FAC	S V C	PROCUREMENT QUANTITY						ACCEP PRIOR OCT	BAL DUE OCT
		FY93 & PR	FY 94	FY 95	FY 96	FY 97	FY 98		
		MUT							
1	A	480						148	332
			EMUT						
2	A	0	275					0	275
	AF	0	547					0	547
	MC	0	81					0	81
	JCS	0	58					0	58
	NGB	0	13					0	13
	LAN	0	6					0	6
	CEN	0	31					0	31
	OTH	0	20					0	20
2	A			527				0	527
	JCS			32				0	32
	NGB			110				0	110
	CEN			20				0	20
	SOC			10				0	10
2	A				640			0	640
2	A					473		0	473
TOTAL		480	1031	699	640	473	0	148	3175

	FISCAL YEAR 94												FISCAL YEAR 95												LATER
	CALENDAR YEAR 94												CALENDAR YEAR 95												
	O	N	D	J	F	M	A	M	J	J	A	S	O	N	D	J	F	M	A	M	J	J	A	S	
	30	62	80	80	80																				0
																									0
				A																25	25	25	25	75	100
																									547
																									81
																									58
																									13
																									6
																									31
																									20
																									0
																		A							527
																									32
																									110
																									20
																									10
																									640
																									473
30	62	80	80	80	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	25	25	25	25	75	2668
O	N	D	J	F	M	A	M	J	J	A	S	O	N	D	J	F	M	A	M	J	J	A	S		

FAC	MAN NAME & LOC	MIN	185	MAX	REACHED
1	Cincinnati Elect Corp.	5	40	80	6
2	Magnavox Elect Sys Inc.	40	100	150	6

	PROCUREMENT LEAD TIME			EMUT
	ADMIN LEAD TIME		PRODUCTION	TOTAL AFTER 1-OCT
	PRIOR 1 OCT	AFTER 1 OCT		
INITIAL	9	3	16	19
REORDER	9	5	15	20

REMARKS

Acronyms:

LA = Commander-in-Chief, Atlantic (CINCLANT)

CE = Central Command (CENTCOM)

OT = Other (PM assets-not fielded)

PRODUCTION SCHEDULE (EXHIBIT P-21)

P-1 ITEM NOMENCLATURE: SAT TERM, ADVANCED MPK UHF (K77200) — DATE: February 1995

FAC. NO.	S V C	PROCUREMENT QUANTITY FY93 & PR	FY 94	FY 95	FY 96	FY 97	FY 98	ACCEP PRIOR OCT	BAL DUE OCT
		MUT							
1	A	480						480	0
			EMUT						
2	A	0	275					175	100
	AF	0	547					0	547
	MC	0	81					0	81
	JCS	0	58					0	58
	NGB	0	13					0	13
	LAN	0	6					0	6
	CEN	0	31					0	31
	OTH	0	20					0	20
2	A			527				0	527
	JCS			32				0	32
	NGB			110				0	110
	CEN			20				0	20
	SOC			10				0	10
2	A				640			0	640
2	A					473		0	473
TOTAL		480	1031	699	640	473	0	655	2668

	FISCAL YEAR 96												FISCAL YEAR 97												L A E R
	CALENDAR YEAR 96												CALENDAR YEAR 97												
	O	N	D	J	F	M	A	M	J	J	A	S	O	N	D	J	F	M	A	M	J	J	A	S	
1 A																									0
																									0
2 A	100																								0
AF		100	100	100	100	100	47																		0
MC							53	28																	0
JCS								58																	0
NGB								13																	0
LAN								1	5																0
CEN									31																0
OTH									20																0
																									0
2 A									44	100	100	100	100	50	33										0
JCS															17	15									0
NGB																35	50	25							0
CEN																		20							0
SOC																		5	5						0
2 A				A															45	50	50	55	55	55	330
2 A																A									473
TOTAL	100	100	100	100	100	100	100	100	100	100	100	100	100	50	50	50	50	50	50	50	50	55	55	55	803
	O	N	D	J	F	M	A	M	J	J	A	S	O	N	D	J	F	M	A	M	J	J	A	S	

FAC	MAN NAME & LOC	MIN	185	MAX	REACHED
2	Magnavox Elect Sys Inc.	40	100	150	6

	PROCUREMENT LEAD TIME			EMUT
	ADMIN LEAD TIME		PRODUCTION	TOTAL AFTER 1-OCT
	PRIOR 1 OCT	AFTER 1 OCT		
INITIAL	9	3	16	19
REORDER	9	5	15	20

REMARKS

FY 96- FY 97 REPRESENTS ARMY ONLY QUANTITIES. OTHER SERVICE REQUIREMENTS ARE UNKNOWN AT THIS TIME.

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PRODUCTION SCHEDULE (EXHIBIT P-21)

P-1 ITEM NOMENCLATURE: SAT TERM, ADVANCED MPK UHF (K77200) — DATE: February 1995

FAC	S V C	PROCUREMENT QUANTITY FY93 & PR	FY 94	FY 95	FY 96 EMUT	FY 97	FY 98	ACCEP PRIOR OCT	BAL DUE OCT
1	A	480						480	0
2	A	0	275					275	0
	AF	0	547					547	0
	MC	0	81					81	0
	JC	0	58					58	0
	NG	0	13					13	0
	LA	0	6					6	0
	CE	0	31					31	0
	OT	0	20					20	0
2	A			527				527	0
	JCS			32				32	0
	NGB			110				110	0
	CEN			20				20	0
	SOC			10				10	0
2	A				640			310	330
2	A					473		0	473
TOTAL		480	1031	699	640	473	0	2520	779

	FISCAL YEAR 98												FISCAL YEAR 99												LATER
	CALENDAR YEAR 98												CALENDAR YEAR 99												
	O	N	D	J	F	M	A	M	J	J	A	S	O	N	D	J	F	M	A	M	J	J	A	S	
1																									0
																									0
2																									0
																									0
																									0
																									0
																									0
																									0
																									0
																									0
2																									
																									0
																									0
																									0
																									0
2	55		55	55	55	55	55																		0
2							46	46	46	46	46	46	46	46	27	26	26	26							0
TOTAL	55	55	55	55	55	55	46	46	46	46	46	46	46	46	27	26	26	26	0	0	0	0	0	0	0
	O	N	D	J	F	M	A	M	J	J	A	S	O	N	D	J	F	M	A	M	J	J	A	S	

FAC	MAN NAME & LOC	MIN	185	MAX	REACHED
2	Magnavox Elect Sys Inc.	40	100	150	6

	PROCUREMENT LEAD TIME			EMUT
	ADMIN LEAD TIME		PRODUCTION	TOTAL AFTER 1-OCT
	PRIOR 1 OCT	AFTER 1 OCT		
INITIAL	9	3	16	19
REORDER	9	5	15	20

REMARKS

FY 96 - FY 97 REPRESENTS ARMY ONLY QUANTITIES. OTHER SERVICE REQUIREMENTS ARE UNKNOWN AT THIS TIME.

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REPORTS CONTROL SYMBOL
DD-COMP(AR)1092

BUDGET ITEM JUSTIFICATION SHEET

DATE FEBRUARY 1995

APPROPRIATION / BUDGET ACTIVITY
Other Procurement, Army 2 - Communications and Electronics Equipment

P-1 ITEM NOMENCLATURE
Navstar Global Positioning System
(K47800)

	FY94	FY95	FY96	FY97	FY98	FY99	FY00/FY01
QUANTITY	14318	14517	15025	14026	9027	0	0 0
COST(IN MILLIONS)	32.4	32.1	32.5	31.5	22.3	0	9.9 24.9

DESCRIPTION:
The Navstar Global Positioning System (GPS) is a passive space-based radio positioning and navigation system that provides precise velocity, time and position information to a user in three dimensions to 16 meters Spherical Error Probable (SEP). GPS User Equipment (UE) consists of a family of sets designed to accomodate the differing dynamic user environments to include handheld as well as host vehicles. Current Army acquisition strategy is to procure a mix of Non-Development Item (NDI) equipment that will satisfy all user/platform requirements while enforcing standardization in accordance with DoD policy. MILSPEC GPS UE currently used by the Army includes a 1-channel set for Manpack/Vehicular applications, a 2-channel set for aircraft and a 5-channel set for ocean-going watercraft. Miniaturized Airborne GPS Receiver (MAGR) is a NDI 5-channel set which is the objective system for modernized Apache and Quickfix aircraft. Precision Lightweight GPS Receiver (PLGR) is an NDI receiver procured as the Army objective GPS system for ground users, various selected airframes, and host vehicles. It is a stand-alone receiver designed to receive and process data from 4 different satellites on either a simultaneous or sequential basis. This receiver will meet DoD requirements for Selective Availability (SA) and Anti-Spoofing (A-S). Selective Availability is the intentional corruption/degradation of GPS navigation signals by the US to deny unauthorized users full military accuracy. With SA decryption in GPS receivers, military capability is upgraded and user accuracy is enhanced. Anti-Spoofing is the receiver capability that ensures signals are correctly received from the true source and therefore are not spoofed.

JUSTIFICATION:
The FY96 and FY97 program provides for the procurement and continued fielding of the PLGR to the Contingency Force. It provides for the procurement of MAGRs in support of Ground Based Common Sensor, Air Reconnaissance Low and Advanced Quick Fix. The FY96 program provides for the procurement of Air GPS for specified air platforms. The FY97 program provides for the procurement of embedded cards and chips and their integration and engineering efforts.

WEAPON SYSTEM COST ANALYSIS EXHIBIT (P-5)		A. APPROPRIATION NO. OPA2 - Communications and Electronics Equipment			B. WEAPON MODEL/SERIES/POPULAR NAME NAVSTAR Global Positioning System (K47800)						C.MANUF Numerous See P5a	D. DATE February 1995	
WEAPONS SYSTEM COST ELEMENTS	IDENT CODE	FY94 UNIT COST	FY94 QTY	FY94 TOTAL COST	FY95 UNIT COST	FY95 QTY	FY95 TOTAL COST	FY96 UNIT COST	FY96 QTY	FY96 TOTAL COST	FY97 UNIT COST	FY97 QTY	FY97 TOTAL COST
HARDWARE													
Aircraft MAGR	B	18,250	18	328	18,250	17	310	18,250	25	456	18,250	26	476
Ground PLGR	A	1,600	14,300	22,880	1,300	14,500	18,850	1,200	14,000	16,800	1,200	14,000	16,800
Air GPS					4,000	500	2,000	4,000	1,280	5,120			
Cards & Chips													2,953
Aux Output Chips				39			30			58			60
Warrenty				45			35			67			70
Testing				749			666			152			200
Engineering Support													
Service Support Ctr				2,664			2,690			2,716			2,787
Gov In-House				1,600			1,646			1,662			1,678
Integ Eng				1,000			2,368			2,600			3,389
Engineering Change Orders				440			628			441			500
Documentation				420			200			200			200
Integrated Support Facility				200			400			200			200
Program Management Admin				1,430			1,430			1,430			1,430
Fielding				600			851			600			800
Program Totals			14318	32395		15017*	32104		15305*	32502		14026	31543

*Actual qtys to be bought based on recent DA DCSOPS direction

BUDGET PROCUREMENT HISTORY AND PLANNING EXHIBIT (P-5A)

A. DATE: February 1995

B. APPROPRIATION/BUDGET ACTIVITY
Other Procurement, Army 2 - Communications and Electronics Equipment

C. P-1 ITEM NOMENCLATURE
NAVSTAR GLOBAL POSITIONING SYSTEM (K47800)

LINE ITEM/FISCAL YEAR	CONTRACTOR & LOCATION	CONTRACT METHOD AND TYPE	CONTRACTED BY	AWARD DATE	DATE OF FIRST DELIVERY	QTY	UNIT COST	SPECS AVAIL NOW	SPEC REVIS REQD	IF YES, WHEN AVAIL
PLGR FY94	Rockwell International Cedar Rapids, IA	C/FFP	USAF	Jan 94	Jul 94	14,300	1600*	YES		
MAGR FY94	Rockwell Collins Cedar Rapids, IA	C/FPI	USAF	Mar 94	Jun 95	18	18,250	YES		
PLGR FY95	Rockwell International Cedar Rapids, IA	C/FFP	USAF	Jan 95	Jul 95	14,500	1300*	YES		
MAGR FY95	Rockwell Collins Cedar Rapids, IA	C/FPI	USAF	Mar 95	Jun 96	17	18,250	YES		
Air GPS FY95	TBS	TBS	USA	Jun 95	Sep 95	500	4,000	NO		
PLGR FY96	Rockwell International Cedar Rapids, IA	C/FFP	USAF	Jan 96	Jul 96	14,000	1200*	YES		
MAGR FY96	Rockwell Collins Cedar Rapids, IA	C/FFI	USAF	Mar 96	Jun 97	25	18,250	YES		
Air GPS FY96	TBS	TBS	USA	Jan 96	Apr 96	1,280	4,000	NO		
PLGR FY97	Rockwell International Cedar Rapids, IA	C/FFP	USAF	Jan 97	Jul 97	14,000	1200*	YES		
MAGR FY97	TBS	TBS	USAF	Mar 97	Jun 98	26	18,250	YES		

D. REMARKS:

*PLGR unit cost includes required accessories.

CODE "B" ITEM DESCRIPTION	DATE FEBRUARY 1995	REPORT CONTROL SYMBOL DD-COMP(AR)1092
APPROPRIATION / BUDGET ACTIVITY Other Procurement, Army 2 - Communications and Electronics Equipment	P-1 ITEM NOMENCLATURE Navstar Global Positioning System (K47800)	

CURRENT DEVELOPMENT AND TEST STATUS

MAGR
TYPE CLASSIFIED - LRP

SCHEDULE DATE		
CURRENT	LAST REPORTED	REASON FOR DELAY
Mar 93	Not previously reported.	

ESTIMATED DATE OF APPROVAL FOR SERVICE USE Mar 95

EQUIPMENT ITEM(S) TO BE REPLACED

None

EXTENT OF IMPROVEMENT OVER ITEM(S) EQUIPMENT TO BE REPLACED

DEVELOPMENT CONTRACT INFORMATION PE:0604778A PROJ# D168 RDT&E FUNDING PROFILE ($ IN MILLIONS)

CONTRACTOR NAME	PLANT LOCATION	COMPONENT	THRU PYR	CY	BY1	BY2	BEYOND BY'S
Rockwell International, Collins Government Avionics Div	Cedar Rapids, Iowa		47.679				
Magnavox	Torrance, California		23.476				
Various Contractors OTHER			28.900 53.050	.465	.460	.449	.890
TOTAL RDT&E FUNDING			153.105	.465	.460	.449	.890

REMARKS

Combined Ground and Airborne Army RDT&E funding is shown above.

PRODUCTION SCHEDULE (EXHIBIT P-21) | P-1 ITEM NOMENCLATURE | DATE FEBRUARY 1995

FAC NO.	S V C	PROCUREMENT QUANTITY FY 92	FY 93	FY 94	FY 95	FY 96	FY 97	ACCEP PRIOR OCT 1 OCT	BAL DUE OCT 1 OCT
2	A	37						13	24
1	A		14						14
3	A		11000					917	10083
1	A			18					18
3	A			14300					14300
1	A				17				17
3	A				14500				14500
4	A				500				500
1	A					25			25
3	A					14000			14000
4	A					1280			1280
1	A						26		26
3	A						14000		14000
TOTAL		37	11014	14318	15017	15305	14026	930	68787

FISCAL YEAR 94												FISCAL YEAR 95											
			CALENDAR YEAR 94											CALENDAR YEAR 95									
O	N	D	J	F	M	A	M	J	J	A	S	O	N	D	J	F	M	A	M	J	J	A	S
923	923	923	923	917	917	917	916	916	2110	2110	1193	1193	1193	1193	1193	1193	1192	1192	1192	1194	1211	1211	1253
O	N	D	J	F	M	A	M	J	J	A	S	O	N	D	J	F	M	A	M	J	J	A	S

LATER: 0, 0, 0, 0, 0, 10, 0, 0, 17, 10873, 458, 25, 14000, 1280, 26, 14000, 40689

FAC	MAN NAME & LOC	MIN	18S	MAX	REACHED
1	Rockwell-Collins,	3	15	45	
	Cedar Rapids, Ia				
2	SCI, Huntsville, Al	3	15	45	
3	Rockwell-Collins,	350	500	1667	
	Cedar Rapids, Ia				
4	TBS				

MAGR	PROCUREMENT LEAD TIME			
	ADMIN LEAD TIME		PRODUCTION	TOTAL AFTER 1-OCT
	PRIOR 1 OCT	AFTER 1 OCT		
INITIAL		9	15	24
REORDER		6	15	21

REMARKS

PRODUCTION SCHEDULE (EXHIBIT P-21) | P-1 ITEM NOMENCLATURE | DATE FEBRUARY 1995

FAC. NO.	S V C	PROCUREMENT QUANTITY FY 92	FY 93	FY 94	FY 95	FY 96	FY 97	ACCEP PRIOR OCT 1 OCT	BAL DUE OCT 1 OCT	FISCAL YEAR 96 / CALENDAR YEAR 96 O	N	D	J	F	M	A	M	J	J	A	S	FISCAL YEAR 97 / CALENDAR YEAR 97 O	N	D	J	F	M	A	M	J	J	A	S	LATER
2	A	37																																	0
																																			0
1	A		14																																0
3	A		11000																																0
																																			0
1	A			18				8	10	2	2	2	2	2																					0
3	A			14300																																0
																																			0
1	A				17				17										2	2	2	2	2	2	2	2	1								0
3	A				14500			3827	10873	1209	1208	1208	1208	1208	1208	1208	1208	1208																	0
4	A				500			42	458	42	42	42	42	42	42	42	41	41	41	41															0
1	A					25			25						A																3	2	2	2	16
3	A					14000			14000				A						1167	1167	1167	1167	1167	1167	1167	1167	1166	1166	1166	1166					0
4	A					1280			1280				A			107	107	107	107	107	107	107	107	106	106	106									0
1	A						26		26																			A							26
3	A						14000		14000																							1167	1167	1167	10499
TOTAL		37	11014	14318	15017	15305	14026	3677	40689	1253	1252	1252	1252	1252	1250	1357	1356	1358	1317	1317	1276	1276	1276	1275	1275	1274	1272	1166	1166	1169	1169	1169	1169	10541
										O	N	D	J	F	M	A	M	J	J	A	S	O	N	D	J	F	M	A	M	J	J	A	S	

FAC	MAN NAME & LOC	MIN	185	MAX	REACHED
1	Rockwell-Collins,	3	15	45	
	Cedar Rapids, Ia				
2	ACI, Huntsville, AL	3	15	45	
3	Rockwell-Collins,	350	500	1667	
	Cedar Rapids, Ia				
4	TBS				

PLGR	PROCUREMENT LEAD TIME			
	ADMIN LEAD TIME		PRODUCTION	TOTAL AFTER 1-OCT
	PRIOR 1 OCT	AFTER 1 OCT		
INITIAL		5	6	9
REORDER		3	6	9

REMARKS

PRODUCTION SCHEDULE (EXHIBIT P-21)

P-1 ITEM NOMENCLATURE

DATE FEBRUARY 1995

FAC. NO.	S V C	PROCUREMENT QUANTITY FY 92	FY 93	FY 94	FY 95	FY 96	FY 97	ACCEP PRIOR OCT	BAL DUE OCT	FISCAL YEAR 98 O	N	D	CALENDAR YEAR 99 J	F	M	A	M	J	J	A	S	FISCAL YEAR 99 O	N	D	CALENDAR YEAR 99 J	F	M	A	M	J	J	A	S	LATER
2	A	37																															0
1	A		14																														0
3	A		11000																														0
1	A			18																													0
3	A			14300																													0
1	A				17																												0
3	A				14500																												0
4	A				500																												0
1	A					25		9	16	2	2	2	2	2	2	2	2																0
3	A					14000																											0
4	A					1280																											0
1	A						26		26									3	3	2	2	2	2	2	2	2	2	2	2					0
3	A						14000	3501	10499	1167	1167	1167	1167	1167	1166	1166	1166	1166																0
TOTAL		37	11014	14318	15017	15305	14026	3510	10541	1169	1169	1169	1169	1169	1168	1168	1168	1169	3	2	2	2	2	2	2	2	2	2	2	0	0	0	0	0
										O	N	D	J	F	M	A	M	J	J	A	S	O	N	D	J	F	M	A	M	J	J	A	S	

FAC	MAN NAME & LOC	MIN	185	MAX	REACHED
1	Rockwell-Collins,	3	15	45	
	Cedar Rapids, Ia				
2	SCI, Huntsville, Al	3	15	45	
3	Rockwell-Collins,	350	500	1667	
	Cedar Rapids, Ia				
4	TBS				

	PROCUREMENT LEAD TIME			
	ADMIN LEAD TIME		PRODUCTION	TOTAL AFTER 1-OCT
	PRIOR 1 OCT	AFTER 1 OCT		
INITIAL				
REORDER				

REMARKS

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BUDGET ITEM JUSTIFICATION SHEET

DATE FEBRUARY 1995

APPROPRIATION/BUDGET ACTIVITY
Other Procurement, Army 2 - Communications and Electronics Equipment

P-1 ITEM NOMENCLATURE
Ground Command Post (GNDCP) (BC4001)

	Prior Years	FY94	FY95	FY96	FY97	FY98	FY99	FY00	FY01	To Complete	Total Program
QUANTITY											
COST (In Millions)	28.6	0	5.9	1.0	1.0	0.9	0.3	0	0	0	37.7
Total (In Millions)	28.6	0	5.9	1.0	1.0	0.9	0.3	0	0	0	37.7

DESCRIPTION:

Milstar Ground Command Post Terminals (GNDCP) - AN/FRC-181 (V1) (fixed) and AN/TRC-194 (V1) and (V2) (transportable) terminals provide survivable, worldwide two-way anti-jam, and enduring voice and data communications. The Extremely High Frequency/Ultra High Frequency (EHF/UHF) command post terminals are designed for use with communications satellites which provide the next generation military satellite communications systems. GNDCP terminals are designed for high capacity command post operation to include a mission control segment interface, emergency action message dissemination, force direction, CINCNET operations, and full beam management. A contract for the remaining terminals was awarded in May 93 by the USAF. These terminals will be deployed for command, control, and special user missions, and will be operated and maintained by the Army. A total of eight (8) terminals were procured by the USAF for the Army and will be integrated into the Army Force Structure.

JUSTIFICATION:

Delivery of the US Air Force procured terminals to the Army for integration into the Army force structure began in Nov 93. The first Army terminal (Fort McPherson, GA) will be accepted by the Army for operation Feb 95. This project has been synchronized with and is in support of the Milstar Low Data Rate (LDR) spacecraft launches. The FY96 and FY97 funds will be utilized for Total Package Fielding (procurement of support items, special tools, repair parts, GFE, generators, etc), for fielding terminals at Fort Ritchie, MD; SHAPE, BE; and three terminals in Vaihingen, GE. These terminals will be operated and maintained by Army personnel to support CINC and NCA missions.

WEAPON SYSTEM COST ANALYSIS EXHIBIT (P-5)		A. APPROPRIATION NO. OPA2 - Communications and Electronics Equipment			B. WEAPON MODEL/SERIES/POPULAR NAME Ground Command Post (GNDCP) (BC4001)						C.MANUF Numerous See P5a		D. DATE February 1995
WEAPONS SYSTEM COST ELEMENTS	IDENT CODE	FY94 UNIT COST	FY94 QTY	FY94 TOTAL COST	FY95 UNIT COST	FY95 QTY	FY95 TOTAL COST	FY96 UNIT COST	FY96 QTY	FY96 TOTAL COST	FY97 UNIT COST	FY97 QTY	FY97 TOTAL COST
GNDCP	B												
Total Package Fielding							4,017			530			560
Modifications							127			80			80
In-house Costs and Support Contractors							1,761			439			360
							5,905			1,049			1,000

BUDGET ITEM JUSTIFICATION SHEET

DATE FEBRUARY 1995

APPROPRIATION/BUDGET ACTIVITY
Other Procurement, Army 2 - Communications and Electronics Equipment

P-1 ITEM NOMENCLATURE
SMART-T- (SECURE MOBILE ANTI-JAM RELIABLE TACTICAL TERMINAL) (BC4002)

	Prior Years	FY94	FY95	FY96	FY97	FY98	FY99	FY00	FY01	To Complete	Total Program
QUANTITY											
COST (In Millions)				66.7	59.4	46.3	83.6	94.3	81.0		431.3

DESCRIPTION:

SMART-T is a new 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) which is desperately needed, as was demonstrated in 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 triple 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 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-1582 B/C compatible payloads. A total of 52 Army Low Rate Initial Production (LRIP) terminals will be procured during FY96/97, leaving 157 to be procured with Full Scale Production options following Initial Operational Test and Evaluation in FY98.

JUSTIFICATION:

FY96 and FY97 funds procure fifty-two Army Selected Acquisition Review Council (ASARC) approved Low Rate Initial Production (LRIP) terminals required to support a corps. The Milstar satellite launches fully support the acquisition plan so the fullest on-orbit capability can be realized. SMART-T FY96 LRIP schedule insures that MDR capable ground terminals are operational upon the launch of the Milstar II satellite scheduled for FY99. The SMART-T will be the only fielded Milstar MDR capable terminal at the time of satellite launch.

WEAPON SYSTEM COST ANALYSIS EXHIBIT (P-5)	A. APPROPRIATION NO. OPA2 - Communications and Electronics Equipment	B. WEAPON MODEL/SERIES/POPULAR NAME SMART-T (Secure Mobile Anti-Jam Reliable Tactical Terminal) (BC4002)	C.MANUF See P5a	D. DATE February 1995

WEAPONS SYSTEM COST ELEMENTS	IDENT CODE	FY94 UNIT COST	FY94 QTY	FY94 TOTAL COST	FY95 UNIT COST	FY95 QTY	FY95 TOTAL COST	FY96 UNIT COST	FY96 QTY	FY96 TOTAL COST	FY97 UNIT COST	FY97 QTY	FY97 TOTAL COST
SMART-T	B							1,421 *	20	28,421	1,263 *	32	40,424
Hardware:Smart-T terminal										14,071			6,808
Engineering Support:										3,337			1,995
Data										3,942			4,637
System Proj Mgmt / Gov't										16,943			5,561
System Test & Evaluation										66,714			59,425

* This is the initial budget submission with quantities and unit costs reflected as above. Hardware Unit Costs have been rounded; exact Unit Cost can be found on P-5A.

BUDGET PROCUREMENT HISTORY AND PLANNING EXHIBIT (P-5A)

A. DATE February 1995

B. APPROPRIATION/BUDGET ACTIVITY
Other Procurement, Army 2 - Communications and Electronics Equipment

C. P-1 ITEM NOMENCLATURE
SMART-T (Secure Mobile-Anti-Jam Reliable Tactical Terminal) (BC4002)

LINE ITEM/FISCAL YEAR	CONTRACTOR & LOCATION	CONTRACT METHOD AND TYPE	CONTRACTED BY	AWARD DATE	DATE OF FIRST DELIVERY	QTY	UNIT COST*	SPECS AVAIL NOW	SPEC REVIS REQD	IF YES, WHEN AVAIL
SMART-T										
FY96	TBS	C/FP (LRIP-1)	CECOM	Mar 96	Mar 98	20	1,421.06	Yes	Yes	Sep 95
FY97	TBS	C/FP Option (LRIP-2)	CECOM	Jun 97	Mar 99	32	1,263.25	Yes	Yes	Sep 95

D. REMARKS:

* The Unit Cost column represents Hardware Unit Cost (Total Hardware Cost divided by Quantity).

UNCLASSIFIED

CODE "B" ITEM DESCRIPTION

DATE February 1995

REPORT CONTROL SYMBOL
DD-COMP(AR)1092

APPROPRIATION / BUDGET ACTIVITY
Other Procurement: Army 2
Communications and Electronics Equipment

P-1 ITEM NOMENCLATURE
SMART-T (Secure Mobile Anti-Jam Reliable Tactical Terminal)

(BC4002)

CURRENT DEVELOPMENT AND TEST STATUS

		SCHEDULE DATE		
		CURRENT	LAST REPORTED	REASON FOR DELAY
DEV TEST & EVAL (DT&E)	PLAN/ACTUAL	1QFY96	1QFY96	
INITIAL OPER TEST & EVAL (IOT&E)	PLAN/ACTUAL	4QFY98	4QFY98	
FOLLOW-ON OPER TEST & EVAL	PLAN/ACTUAL	1QFY00	1QFY00	
AVAIL DATE OF PERFORMANCE SPECIFICATIONS		1QFY95		

ESTIMATED DATE OF APPROVAL FOR SERVICE USE FEB 96

EQUIPMENT ITEM(S) TO BE REPLACED The SMART-T program does not replace another; however, it does operationally displace the AN/TSC-85s and 93s (Ground Mobile Forces SHF terminals) at Echelons Corps and Below. The GMF displaced terminals will move to support Echelons Above Corps.

EXTENT OF IMPROVEMENT OVER ITEM(S) EQUIPMENT TO BE REPLACED This equipment provides the first highly mobile, secure, anti-jam, medium data rate communications terminal.

DEVELOPMENT CONTRACT INFORMATION P.E. 0303142A - D386/D2PT RDT&E FUNDING PROFILE ($ IN MILLIONS)

CONTRACTOR NAME	PLANT LOCATION	COMPONENT	THRU PYR	CY 95	BY 96	BY 97	BEYOND BY'S
Raytheon Corporation	Marlborough, MA	Operational Test				.2	5.0
		Development Engrg	28.8	8.5			
Rockwell International	Richardson, TX	Prototype Mfg	16.8	3.3			
		System/Proj Mgmt (Contr)	12.3	3.7	.3		
		Other - Contr	18.0	9.1	13.4	6.0	19.1
		- Govt	41.0	2.2	8.1	4.9	3.4
TOTAL RDT&E FUNDING			116.9	26.8	21.8	11.1*	27.5*

REMARKS SMART-T: Two competitive EMD contracts were awarded in Nov 92. Each contractor will produce 6 EDMs. Following development testing, a down selection will be made and one contractor will be selected to enter into Low Rate Initial Production in FY 96.

* Includes Operational Test Funds (Project D2PT).

PRODUCTION SCHEDULE (EXHIBIT P-21) | P-1 ITEM NOMENCLATURE SMART-T (Secure Mobile Anti-Jam Reliable Tactical Te (BC4002) DATE FEBRUARY 1995

FAC. NO.	S V C	PROCUREMENT QUANTITY FY 96	FY 97	FY 98	FY 99	FY 00	FY 01	ACCEP PRIOR OCT 1995	BAL DUE OCT 1995	FISCAL YEAR 96 / CY95 O	N	D	CALENDAR YEAR 96 J	F	M	A	M	J	J	A	S	FISCAL YEAR 97 / CALENDAR YEAR 97 O	N	D	J	F	M	A	M	J	J	A	S	LATER
	A	20						0	20						A																				20
	A		32					0	32																							A			32
	A				45			0	45																										45
	A					58		0	58																										58
	A						54	0	54																										54
	AF		15					0	15																							A			15
	AF				22			0	22																										22
	AF					26		0	26																										26
	AF						10	0	10																										10
	JCS	1						0	1						A																				1
	JCS		2					0	2																							A			2
	JCS				3			0	3																										3
	MC				24			0	24																										24
	MC					18		0	18																										18
	MC						6	0	6																										6
TOTAL		21	49	0	94	102	70	0	336	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	336
										O	N	D	J	F	M	A	M	J	J	A	S	O	N	D	J	F	M	A	M	J	J	A	S	

FAC	MAN NAME & LOC	MIN	185	MAX	REACHED
	TBD				

	PROCUREMENT LEAD TIME			
	ADMIN LEAD TIME		PRODUCTION	TOTAL AFTER 1-OCT
	PRIOR 1 OCT	AFTER 1 OCT		
INITIAL		5	24	29
REORDER		5	21	26

REMARKS

1. REFLECTS PB96 INFORMATION.
2. NO PROCUREMENT ACTIVITY PRIOR TO FY96.
3. ACQUISITION STRATEGY INCLUDES: 2 YEARS LOW RATE INITIAL PRODUCTION FOLLOWED BY A FULL YEAR OF TEST IN FY98 (REQUIRED TO SUPPORT A SUCCESSFUL MILESTONE III PRODUCTION DECISION IN FY99); AND 3 FULL SCALE PRODUCTION OPTION AWARDS.

PRODUCTION SCHEDULE (EXHIBIT P-21) | P-1 ITEM NOMENCLATURE SMART-T (Secure Mobile Anti-Jam Reliable Tactical T(BC4002) DATE FEBRUARY 1995

FAC. NO.	S V C	PROCUREMENT QUANTITY FY 96	FY 97	FY 98	FY 99	FY 00	FY 01	ACCEP PRIOR OCT 1995	BAL DUE OCT 1995	FISCAL YEAR 98 / CY97 O	N	D	CALENDAR YEAR 98 J	F	M	A	M	J	J	A	S	FISCAL YEAR 99 / CALENDAR YEAR 99 O	N	D	J	F	M	A	M	J	J	A	S	LATER
	A	20						0	20						8*	1	1	1	1	1	1	1	1	1	1	2								0
	A		32					0	32																		3	2	2	2	2	3	3	15
	A				45			0	45																A										45
	A					58		0	58																										58
	A						54	0	54																										54
	AF		15					0	15																						1	1	1	2	10
	AF				22			0	22																A										22
	AF					26		0	26																										26
	AF						10	0	10																										10
	JCS	1						0	1																		1								0
	JCS		2					0	2																				1	1					0
	JCS				3			0	3																A										3
	MC				24			0	24																A										24
	MC					18		0	18																										18
	MC						6	0	6																										6
																																			0
																																			0
TOTAL		21	49	0	94	102	70	0	336	0	0	0	0	0	8*	1	1	1	1	1	1	1	1	1	1	2	2	3	3	3	3	3	4	5	291
										O	N	D	J	F	M	A	M	J	J	A	S	O	N	D	J	F	M	A	M	J	J	A	S	

FAC	MAN NAME & LOC	MIN	185	MAX	REACHED
	TBD				

	PROCUREMENT LEAD TIME			
	ADMIN LEAD TIME		PRODUCTION	TOTAL AFTER 1-OCT
	PRIOR 1 OCT	AFTER 1 OCT		
INITIAL		5	24	29
REORDER		5	21	26

REMARKS

1. REFLECTS PB96 INFORMATION.
2. NO PROCUREMENT ACTIVITY PRIOR TO FY96.
3. ACQUISITION STRATEGY INCLUDES: 2 YEARS LOW RATE INITIAL PRODUCTION FOLLOWED BY A FULL YEAR OF TEST IN FY98 (REQUIRED TO SUPPORT A SUCCESSFUL MILESTONE III PRODUCTION DECISION IN FY99); AND 3 FULL SCALE PRODUCTION OPTION AWARDS.

* 8 DELIVERED FOR IOT&E FOLLOWING FIRST ARTICLE TEST.

PRODUCTION SCHEDULE (EXHIBIT P-21) | P-1 ITEM NOMENCLATURE SMART-T (Secure Mobile Anti-Jam Reliable Tactical Te (BC40020 DATE FEBRUARY 1995

FAC. NO.	S V C	PROCUREMENT QUANTITY FY 96	FY 97	FY 98	FY 99	FY 00	FY 01	ACCEP PRIOR OCT 1995	BAL DUE OCT `995	FISCAL YEAR 00 / CY99 O	N	D	CALENDAR YEAR 00 J	F	M	A	M	J	J	A	S	FISCAL YEAR 01 / CALENDAR YEAR 01 O	N	D	J	F	M	A	M	J	J	A	S	LATER
	A	20						0	20																										0
	A		32					0	32	3	3	3	3	3																					0
	A				45			0	45													2	3	4	4	4	4	4	4	4	4	4	4		0
	A					58		0	58		A																					4	5	49
	A						54	0	54															A										54
	AF		15					0	15	2	2	2	2	2																					0
	AF				22			0	22													2	1	1	2	2	2	2	2	3	2	2	1		0
	AF					26		0	26		A																					4	2	20
	AF						10	0	10															A										10
	JCS	1						0	1																									0
	JCS		2					0	2						**	**	**	**	**															0
	JCS				3			0	3																					1	1	1			0
	MC				24			0	24													1	1	1	1	2	3	3	3	2	2	2	3		0
	MC					18		0	18		A																					1	2	15
	MC						6	0	6															A										6
TOTAL		21	49	0	94	102	70	0	336	5	5	5	5	5	**	**	**	**	**			5	5	6	7	8	9	9	9	9	9	9	9	9	9
										O	N	D	J	F	M	A	M	J	J	A	S	O	N	D	J	F	M	A	M	J	J	A	S	

FAC	MAN NAME & LOC	MIN	185	MAX	REACHED
	TBD				

	PROCUREMENT LEAD TIME			
	ADMIN LEAD TIME		PRODUCTION	TOTAL AFTER 1-OCT
	PRIOR 1 OCT	AFTER 1 OCT		
INITIAL		5	24	29
REORDER		5	21	26

REMARKS

1. REFLECTS PB96 INFORMATION.
2. NO PROCUREMENT ACTIVITY PRIOR TO FY96.
3. ACQUISITION STRATEGY INCLUDES: 2 YEARS LOW RATE INITIAL PRODUCTION; FOLLOWED BY A FULL YEAR OF TEST IN FY98 (REQUIRED TO SUPPORT A SUCCESSFUL MILESTONE III PRODUCTION DECISION IN FY99); AND 3 FULL SCALE PRODUCTION OPTION AWARDS.

** SPARES TO BE PRODUCED MAR-JUL 00, NO BREAK IN PRODUCTION LINE.

PRODUCTION SCHEDULE (EXHIBIT P-21) | P-1 ITEM NOMENCLATURE SMART-T (Secure Mobile Anti-Jam Reliable Tactical Te (BC4002) DATE FEBRUARY 1995

FAC. NO.	S V C	PROCUREMENT QUANTITY FY 96	FY 97	FY 98	FY 99	FY 00	FY 01	ACCEP PRIOR OCT 1995	BAL DUE OCT 1995	FISCAL YEAR 02 / CY01 O	N	D	CALENDAR YEAR 02 J	F	M	A	M	J	J	A	S	FISCAL YEAR 03 / CALENDAR YEAR 03 O	N	D	J	F	M	A	M	J	J	A	S	LATER
	A	20						0	20																									0
	A		32					0	32																									0
	A				45			0	45																									0
	A					58		0	58	5	5	5	5	5	5	5	5	5	4															0
	A						54	0	54											6	5	6	5	5	5	5	5	5	3	2	2			0
	AF		15					0	15																									0
	AF				22			0	22																									0
	AF					26		0	26	2	3	3	3	2	2	2	2	1																0
	AF						10	0	10											2	2	1	2	1	1	1								0
	JCS	1						0	1																									0
	JCS		2					0	2																									0
	JCS				3			0	3																									0
	MC				24			0	24																									0
	MC					18		0	18	2	1	1	1	1	1	1	1	2	4															0
	MC						6	0	6																			1	1	2	2				0
																																		0
																																		0
TOTAL		21	49	0	94	102	70	0	336	9	9	9	9	8	8	8	8	8	8	8	7	7	7	6	6	6	6	6	5	4	2	0	0	0
										O	N	D	J	F	M	A	M	J	J	A	S	O	N	D	J	F	M	A	M	J	J	A	S	

FAC	MAN NAME & LOC	MIN	185	MAX	REACHED
	TBD				

	PROCUREMENT LEAD TIME			
	ADMIN LEAD TIME		PRODUCTION	TOTAL AFTER 1-OCT
	PRIOR 1 OCT	AFTER 1 OCT		
INITIAL		5	24	29
REORDER		5	21	26

REMARKS

1. REFLECTS PB96 INFORMATION.
2. NO PROCUREMENT ACTIVITY PRIOR TO FY96.
3. ACQUISITION STRATEGY INCLUDES: 2 YEARS LOW RATE INITIAL PRODUCTION; FOLLOWED BY A FULL YEAR OF TEST IN FY98 (REQUIRED TO SUPPORT A SUCCESSFUL MILESTONE III PRODUCTION DECISION IN FY99); AND 3 FULL SCALE PRODUCTION OPTION AWARDS.

BUDGET ITEM JUSTIFICATION SHEET

DATE FEBRUARY 1995

APPROPRIATION/BUDGET ACTIVITY	P-1 ITEM NOMENCLATURE
Other Procurement, Army 2 - Communications and Electronics Equipment	SCAMP (Block I) - (Single Channel anti-Jam Manportable Terminal) (BC4003)

	Prior Years	FY94	FY95	FY96	FY97	FY98	FY99	FY00	FY01	To Complete	Total Program
QUANTITY											
COST (In Millions)				25.8	32.5	11.0	10.0	1.1	0		

DESCRIPTION:

The SCAMP Terminal will be a single channel, half duplex satellite terminal to be employed by units that require range extension for command and control communications. Block I will be used by CINC's and other high priority users 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 will have embedded COMSEC and TRANSEC. In addition to operation on Milstar satellites, the SCAMP will operate on all satellites which utilize the MIL-STD-1582C 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 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.

JUSTIFICATION:

The SCAMP Block I program procures a two-year buy-out in FY96/97 of the Army's 150 Block I SCAMP terminals for a multiservice quantity of 312 terminals. Army Block I terminals are designated for CINC level users (i.e., FORSCOM, CINCEUR, CINCSOUTH, CINCPAC, etc.). The first Milstar LDR EHF frequency waveband satellite was successfully launched in Feb 94, with a second LDR launch expected in Jul 95. SCAMP Block I provides manportable EHF communications in support of the first two satellites.

WEAPON SYSTEM COST ANALYSIS EXHIBIT (P-5)	A. APPROPRIATION NO. OPA2 - Communications and Electronics Equipment	B. WEAPON MODEL/SERIES/POPULAR NAME SCAMP (BLOCK I) - (Single Channel Anti- Jam Manportable Terminal) (BC4003)	C.MANUF See P5a	D. DATE February 1995

WEAPONS SYSTEM COST ELEMENTS	IDENT CODE	FY94 UNIT COST	FY94 QTY	FY94 TOTAL COST	FY95 UNIT COST	FY95 QTY	FY95 TOTAL COST	FY96 UNIT COST	FY96 QTY	FY96 TOTAL COST	FY97 UNIT COST	FY97 QTY	FY97 TOTAL COST
SCAMP - Block I	B							*			*		
Hardware: SCAMP terminal								177	57	10,095	142	93	13,208
Engineering Support										11,153			13,990
Data										1,185			324
System Proj Mgmt Gov't										2,999			2,999
Peculiar Support Equipment										384			645
Fielding										0			1,308
										25,816			32,474

* This is the inital budget submission with quantities and unit costs reflected as above. Hardware Unit Costs have been rounded; exact Unit Cost can be found on P-5A.

BUDGET PROCUREMENT HISTORY AND PLANNING EXHIBIT (P-5A)

A. DATE: February 1995

B. APPROPRIATION/BUDGET ACTIVITY
Other Procurement, Army 2 - Communications and Electronics Equipment

C. P-1 ITEM NOMENCLATURE (BC4003)
SCAMP (BLOCK I) - Single Channel Anti-Jam Manportable Terminal

LINE ITEM/FISCAL YEAR	CONTRACTOR & LOCATION	CONTRACT METHOD AND TYPE	CONTRACTED BY	AWARD DATE	DATE OF FIRST DELIVERY	QTY	UNIT COST*	SPECS AVAIL NOW	SPEC REVIS REQD	IF YES, WHEN AVAIL
SCAMP										
FY96	TBS	C/FP	CECOM	Feb 96	Jun 97	57	177.10	Yes	Yes	May 95
FY97	TBS	C/FP	CECOM	Jun 97	Nov 98	93	142.02	Yes	Yes	

D. REMARKS:

* The Unit Cost column represents Hardware Unit Cost (Total Hardware Unit Cost divided by Quantity).

UNCLASSIFIED

CODE "B" ITEM DESCRIPTION

DATE February 1995

REPORT CONTROL SYMBOL
DD-COMP(AR)1092

APPROPRIATION / BUDGET ACTIVITY
Other Procurement: Army 2
Communications and Electronics Equipment

P-1 ITEM NOMENCLATURE
SCAMP (Block I) - (SINGLE CHANNEL ANTI-JAM MANPORTABLE TERMINAL)
(UC4003)

CURRENT DEVELOPMENT AND TEST STATUS

		SCHEDULE DATE		
		CURRENT	LAST REPORTED	REASON FOR DELAY
DEV TEST & EVAL (OT&E)	PLAN/ACTUAL		3Q95	Terminated EMD Contract
PRE-AWARD DEMO EVALUATIONS	PLAN/ACTUAL	1Q96	1Q96	
AVAIL DATE OF PERFORMANCE SPECIFICATIONS		3Q95		

ESTIMATED DATE OF APPROVAL FOR SERVICE USE September 1997

EQUIPMENT ITEM(S) TO BE REPLACED None.

EXTENT OF IMPROVEMENT OVER ITEM(S) EQUIPMENT TO BE REPLACED Extremely robust. Lower probability of intercept or detection.

DEVELOPMENT CONTRACT INFORMATION P.E. 0303142A - D386/D2RT RDT&E FUNDING PROFILE ($ IN MILLIONS)

CONTRACTOR NAME	PLANT LOCATION	COMPONENT	THRU PY	CY95	BY 96	BY 97	BEYOND BY'S
		OPTEC Evaluations			.3		
		Development Engineering	15.8				
		Prototype Mfg	6.8				
		System/Project Mgmt(Contr)	8.2				
		Other - Contr	15.4		.3		
		- Govt	37.9	.1	9.6*	2.9	46.6
TOTAL RDT&E FUNDING			84.1	.1	10.2	2.9	46.6

REMARKS: The Army Acquisition Executive (AAE) restructured the SCAMP Block I program on 26 Oct 94. A competitive Production strategy was approved on 15 Nov 94.

* Includes Block II Engineering Feasibility Efforts.

PRODUCTION SCHEDULE (EXHIBIT P-21) | P-1 ITEM NOMENCLATURE SCAMP (Single Channel Anti-Jam Manportable Terminal)(BC4003) DATE FEBRUARY 1995

FAC. NO.	S V C	PROCUREMENT QUANTITY FY 96	FY 97	FY 98	FY 99	FY 00	FY 01	ACCEP PRIOR OCT 1995	BAL DUE OCT 1995	FISCAL YEAR 96 / CY95 O	N	D	CALENDAR YEAR 96 J	F	M	A	M	J	J	A	S	FISCAL YEAR 97 / CALENDAR YEAR 97 O	N	D	J	F	M	A	M	J	J	A	S	LATER
	A	57						0	57					A																	2	3	3	4	45
																																		0
	A		93					0	93																						A				93
																																		0
	AF	45						0	45											A														45
																																		0
	AF		109					0	109																						A				109
																																		0
	JCS	8						0	8					A																				8
																																		0
																																		0
																																		0
																																		0
																																		0
																																		0
TOTAL		110	202	0	0	0	0	0	312	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2	3	3	4	300
										O	N	D	J	F	M	A	M	J	J	A	S	O	N	D	J	F	M	A	M	J	J	A	S	

FAC	MAN NAME & LOC	MIN	185	MAX	REACHED
	TO BE SELECTED	TBD	20	TBD	

	PROCUREMENT LEAD TIME			
	ADMIN LEAD TIME		PRODUCTION	TOTAL AFTER 1-OCT
	PRIOR 1 OCT	AFTER 1 OCT		
INITIAL		4	16	
REORDER		8	16	

REMARKS

1. REFLECTS PB96 INFORMATION.

* COMPETITIVE PRODUCTION AWARD IN FY96.

PRODUCTION SCHEDULE (EXHIBIT P-21)										P-1 ITEM NOMENCLATURE SCAMP (Single Channel Anti-Jam Manportable Terminal)(BC4003) DATE FEBRUARY 1995																							
FAC. NO.	S V C	PROCUREMENT QUANTITY						ACCEP PRIOR OCT 1995	BAL DUE OCT 1995	FISCAL YEAR 98														FISCAL YEAR 99										LATER
		FY 96	FY 97	FY 98	FY 99	FY 00	FY 01			CY97			CALENDAR YEAR 98											CALENDAR YEAR 99										
										O	N	D	J	F	M	A	M	J	J	A	S	O	N	D	J	F	M	A	M	J	J	A	S	
	A	57						0	57	4	4	5	5	6	7	7	7																0
	A		93					0	93														8	9	10	10	10	10	10	10	9	6	1	0
	A	45						0	45					1	1	1	1	8	8	8	8	9											0
	AF		109					0	109														7	11	10	10	10	10	10	10	11	10	10	0
	JCS	8						0	8					1	1	1	1	1	1	1	1												0
TOTAL		110	202	0	0	0	0	0	312	4	4	5	5	8	9	9	9	9	9	9	9	9	15	20	20	20	20	20	20	20	16	11	0
										O	N	D	J	F	M	A	M	J	J	A	S	O	N	D	J	F	M	A	M	J	J	A	S	

FAC	MAN NAME & LOC	MIN	185	MAX	REACHED
	TO BE SELECTED	TBD	20	TBD	

	PROCUREMENT LEAD TIME			
	ADMIN LEAD TIME		PRODUCTION	TOTAL AFTER 1-OCT
	PRIOR 1 OCT	AFTER 1 OCT		
INITIAL		4	16	
REORDER		8	16	

REMARKS

1. REFLECTS PB96 INFORMATION.

* COMPETITIVE PRODUCTION AWARD IN FY96.

PAGE 6 of 6

REPORTS CONTROL SYMBOL
DD-COMP(AR)1092

BUDGET ITEM JUSTIFICATION SHEET

DATE February 1995

APPROPRIATION / BUDGET ACTIVITY
Other Procurement: Army 2
Communications and Electronics Equipment

P-1 ITEM NOMENCLATURE
MOD OF IN-SVC EQUIP (TACSAT)
(BB8417)

	FY 94	FY 95	FY 96	FY 97	FY 98	FY 99	FY 00/FY 0
QUANTITY							
COST(IN MILLIONS)	19.8	6.3	4.2	5.7	7.4	7.5	12.1/12.1

DESCRIPTION: The Ground Mobile Forces (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. The program will provide a tactical satellite communications capability to meet critical GMF Command, Control and Communication (C3) needs not satisfied by conventional terrestrial communications systems.

Mod-In-Svc Equipment (TACSAT) funds the upgrades to Army tactical satellite communications equipment. Modifications are approved through the following Materiel Change (MC):

MC NO.	TITLE	END ITEM
1-84-07-0019	Multi-Channel Initial System (MCIS)	AN/TSC-85B/93B

JUSTIFICATION: The FY 96 and FY 97 funds will be used to procure Light Weight Quick Reaction Satellite Antenna's (LWQRSA). The increased gain and mobility of the LWQRSA will allow greater access to Defense Satellite Communications Systems (DSCS). This is in line with the continued upgrades of Army tactical satellite communications equipment.

MODIFICATION OF WEAPON SYSTEMS

MODIFICATION TITLE: MCIS LWQRSA, MC No. 1-84-07-0019 (BB8417)

MODELS OF SYSTEMS AFFECTED: AN/TSC-85B and AN/TSC-93B Tactical Satellite (TACSAT) Terminals.

DESCRIPTION: This Materiel Change Improvement Program consists of upgrades to improve performance of the Super High Frequency (SHF) Multichannel Initial System (MCIS) Terminals, AN/TSC-85B and AN/TSC-93B. The technical and operational requirements for the Army GMF program have been established by the Satellite Communications Qualitative Materiel Requirements (QMR) and the Ground Mobile Forces Satellite Communications (GMFSC) Program Plan as approved by the Assistant Secretary of Defense (C3I). The new Conus Based Power Projection Force is totally dependent on highly mobile, high capacity information transfer system such as the AN/TSC-85B/93B's. Even though the AJCM Terminal Fixes program has been canceled, enhancement of the MCIS terminals to meet critical C3I needs remain. A valid requirement exists for a Light Weight Quick Reaction Satellite Antenna (LWQRSA). The LWQRSA is a 20 foot or less antenna with a G/T of 26DB or more that is capable of being set-up and torn down in 90 minutes with a three person crew or, in 60 minutes or less by a crew of four. It will be used by selected Divisions, EAC's and contingency signal units to augment the AS-3036 eight foot antenna. The increased gain and mobility of the LWQRSA will allow greater access to DSCS Satellites, particularly the earth coverage antenna pattern and the fringe areas of the narrow coverage antenna patterns.

JUSTIFICATION: Funding in FY-96 and FY-97 will support the acquisition of Light Weight Quick Reaction Satellite Antennas. This is in line with the Army's continued upgrades of tactical satellite communication equipment.

DEVELOPMENT STATUS/MAJOR DEVELOPMENT MILESTONES: No development required

FINANCIAL PLAN: ($ in Millions)	Prior Qty	Prior $	FY95 Qty	FY95 $	FY96 Qty	FY96 $	FY97 Qty	FY97 $	FY98 Qty	FY98 $	FY99 Qty	FY99 $	FY00 Qty	FY00 $	FY01 Qty	FY01 $	TC Qty	TC $	Total Qty	Total $
RDT&E																				
PROCUREMENT																				
Kit Quantit y			2		12		12		12		12		6				CONT		56	
Installation Kits																				0.0
Installation Kit Nonrecurring																				0.0
Equipment		142.9		4.1		3.6		3.6		3.6		3.6		4.4		6.3				172.1
Equipment Nonrecurring																				0.0
Engineering Change Orders								1.0		1.0		0.7		3.4		2.7				8.8
Data																				0.0
Training Equipment		1.5																		1.5
Support Equipment								0.3		1.9		2.1		2.4		1.3				8.0
Other																				0.0
Project Mgt Admin		4.8		0.4		0.4		0.5		0.5		0.6		0.6		0.7				8.5
Fielding		1.3																		1.3
Interim Contractor Support																				0.0
Gov't/Contr Engineering		1.9		1.8		0.2		0.3		0.4		0.5		1.3		1.1				7.5
Installation of Hardware																				0.0
Total Installation Cost																				
Total Procurement Cost		152.4		6.3		4.2		5.7		7.4		7.5		12.1		12.1				207.7

METHOD OF IMPLEMENTATION: MWO ADMINISTRATIVE LEADTIME: 2 Months PRODUCTION LEADTIME: 4 Months
CONTRACT DATES: FY95; MAY 95 FY96; FEB 96 FY97; FEB 97
DELIVERY DATE: FY95; SEP 95 FY96; JUN 96 FY97; JUN 97

	PY	FY95 1 2 3 4	FY96 1 2 3 4	FY97 1 2 3 4	FY98 1 2 3 4	FY99 1 2 3 4	FY00 1 2 3 4	FY01 1 2 3 4	TC	Total
INSTALLATION SCHEDULE:										
INPUT:	0 (1)		3 3	3 3 3 3	3 3 3 3	3 3 3 3	3 3 3 3	2		56
OUTPUT:	0		3 3	3 3 3 3	3 3 3 3	3 3 3 3	3 3 3 3	2	CONT	56

NOTE: In August 1994 the Army terminated the Anti-Jam Control Modem Program. In FY 95 Acquisition of the Light Weight Quick Reaction Satellite Antenna will begin .

MODIFICATION INSTALLATION SUMMARY

DATE: February 1995

(TOA, Dollars in Millions)

SYSTEM/MODIFICATION	FY 94	FY 95	FY 96	FY 97	FY 98	FY 99	FY 00	FY 01	TOTAL
Anti-Jam Control Modem	19.8*	0	0	0	0	0	0	0	19.8
Lightweight Quick Reaction Satellite Antenna	0	6.3	4.2	5.7	7.4	7.5	12.1	12.1	55.3
Total for Mod of In-Svc Equipment (TACSAT)	19.8 *	6.3	4.2	5.7	7.4	7.5	12.1	12.1	75.1

* In August 1994 the Army terminated the AJCM Terminal Fixes Program.
In FY 95 the LWQRSA program will begin.

PRODUCTION SCHEDULE (EXHIBIT P-21)

P-1 ITEM NOMENCLATURE MOD OF IN-SVC EQUIP (TACSAT) DATE February 1995

FAC. NO.	S V C	PROCUREMENT QUANTITY FY 93 & PR	FY 94	FY 95	FY 96	FY 97	FY 98	ACCEP PRIOR OCT	BAL DUE OCT
MCIS									
DELIVERY									
SCHECULE									
1	A			2				0	2
	A				12			0	12
	A					12		0	12
	A						12	0	12
TOTAL		0	0	2	12	12	12	0	38

	FISCAL YEAR 94												FISCAL YEAR 95												T E R
				CALENDAR YEAR 94												CALENDAR YEAR 95									
	O	N	D	J	F	M	A	M	J	J	A	S	O	N	D	J	F	M	A	M	J	J	A	S	
MCIS																									
																									0
																									0
																									0
DELIVERY																									0
SCHECULE																									0
																									0
1	A																		A					1	1
	A																								12
	A																								12
	A																								12
																									0
																									0
																									0
																									0
																									0
TOTAL	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	37
	O	N	D	J	F	M	A	M	J	J	A	S	O	N	D	J	F	M	A	M	J	J	A	S	

FAC	MAN NAME & LOC	MIN	185	MAX	REACHED
1	TBS				

	PROCUREMENT LEAD TIME			
	ADMIN LEAD TIME		PRODUCTION	TOTAL AFTER 1-OCT
	PRIOR 1 OCT	AFTER 1 OCT		
INITIAL		4	N/A	
REORDER		4		

REMARKS

FY 95 BUY OF TWO ANTENNAS ARE FOR TESTING NOVEMBER - DECEMBER 1995. UPON COMPLETION OF TEST, FIRST AWARD WILL BE MADE IN FEBRUARY 1996.

MC# 1-84-07-0019

PRODUCTION SCHEDULE (EXHIBIT P-21)

P-1 ITEM NOMENCLATURE MOD OF IN-SVC EQUIP (TACSAT) DATE February 1995

	S V C	PROCUREMENT QUANTITY FY 93 & PR	FY 94	FY 95	FY 96	FY 97	FY 98	ACCEP PRIOR OCT	BAL DUE OCT
MCIS									
FIXES									
DELIVERY									
SCHECULE									
1	A			2				1	1
	A				12			0	12
	A					12		0	12
	A						12	0	12
TOTAL		0	0	2	12	12	12	1	37

	FISCAL YEAR 96												FISCAL YEAR 97												LATER
	CALENDAR YEAR 96												CALENDAR YEAR 97												
	O	N	D	J	F	M	A	M	J	J	A	S	O	N	D	J	F	M	A	M	J	J	A	S	
MCIS																									
FIXES																									0
																									0
																									0
DELIVERY																									0
SCHECULE																									0
																									0
1																									0
					A				1	1	1	1	1	1	1	1	1	1	1	1					0
																	A				1	1	1	1	8
																									12
																									0
																									0
																									0
																									0
																									0
TOTAL	1	0	0	0	0	0	0	0	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	20
	O	N	D	J	F	M	A	M	J	J	A	S	O	N	D	J	F	M	A	M	J	J	A	S	

FAC	MAN NAME & LOC	MIN	185	MAX	REACHED
1	TBS				

	PROCUREMENT LEAD TIME			
	ADMIN LEAD TIME		PRODUCTION	TOTAL AFTER 1-OCT
	PRIOR 1 OCT	AFTER 1 OCT		
INITIAL		4	N/A	
REORDER		4		

REMARKS

FY-95 BUY OF TWO ANTENNAS ARE FOR TESTING NOVEMBER - DECEMBER 1995. UPON COMPLETION OF TEST, FIRST AWARD WILL BE MADE IN FEBRUARY 1996.

MC# 1-84-07-0019

PRODUCTION SCHEDULE (EXHIBIT P-21) | P-1 ITEM NOMENCLATURE: MOD OF IN-SVC EQUIP (TACSAT) | DATE: February 1995

FAC. NO.	S V C	PROCUREMENT QUANTITY FY 93 & PR	FY 94	FY 95	FY 96	FY 97	FY 98	ACCEP PRIOR OCT	BAL DUE OCT
MCIS									
FIXES									
DELIVERY									
SCHECULE									
1	A		2					2	0
	A			12				12	0
	A				12			4	8
	A					12		0	12
TOTAL		0	2	12	12	12	0	18	20

	FISCAL YEAR 98												FISCAL YEAR 99												TER
	CALENDAR YEAR 98												CALENDAR YEAR 99												
	O	N	D	J	F	M	A	M	J	J	A	S	O	N	D	J	F	M	A	M	J	J	A	S	
MCIS																									
FIXES																									0
																									0
																									0
DELIVERY																									0
SCHECULE																									0
																									0
1	A																								0
	A																								0
	A	1	1	1	1	1	1	1	1																0
	A					A				1	1	1	1	1	1	1	1	1	1	1	1				0
																									0
																									0
																									0
																									0
																									0
TOTAL		1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	0	0	0	0	0
		O	N	D	J	F	M	A	M	J	J	A	S	O	N	D	J	F	M	A	M	J	J	A	S	

FAC	MAN NAME & LOC	MIN	185	MAX	REACHED
1	TBS				

	PROCUREMENT LEAD TIME			
	ADMIN LEAD TIME		PRODUCTION	TOTAL AFTER 1-OCT
	PRIOR 1 OCT	AFTER 1 OCT		
INITIAL		4	N/A	
REORDER		4		

REMARKS

MC# 1-84-07-0019

PAGE 7 OF 7

REPORTS CONTROL SYMBOL
DD-COMP(AR)1092

BUDGET ITEM JUSTIFICATION SHEET

DATE February 1995

APPROPRIATION / BUDGET ACTIVITY
Other Procurement: Army 2
Communications and Electronics Equipment

P-1 ITEM NOMENCLATURE

MSE MOD IN SERVICE (BB1611)

	FY 94	FY 95	FY 96	FY 97	FY 98	FY 99	FY 00 / 01
QUANTITY							
COST(IN MILLIONS)	0.0	33.3	14.7	18.7	13.8	15.8	9.9 / 16.7

DESCRIPTION:
The Mobile Subscriber Equipment (MSE) Modification in Service line funds for high priority Echelons Corps and Below (ECB) system improvements.

JUSTIFICATION:
FY 96/97 continues the ECB portion of the Area Common User System-System Improvement Prog (ACUS-SIP). The ACUS is an area switched communications system. It is comprised of the Echelons Above Corps (EAC) Communications Network and the Echelons Corp and Below (ECB) Mobile Subscriber Equipment (MSE) System. The ECB portion was a non-developmental baseline system acquisition. Enhancement to systems, some unique to ECB, incorporate either through modification or redesign efforts, improvements in switching, transmission, network control and subscriber terminal systems. Enhancements within this ACUS-SIP will provide future interfaces between the ECB communications network and Joint or Combined Forces. FY 96/97 funds are also required to provide for the necessary Production Engineering support, Contractor Engineering support and Fielding as it relates to the ACUS-SIP.

MODIFICATION TITLE	FY 94	FY 95	FY 96	FY 97	FY 98	FY 99	FY 00	FY 01
ECB Area Common User Sys-Sys Improvement Prog (ACUS-SIP)*	0.0	26.298	10.502	17.575	13.760	15.847	9.942	16.705
Fielding	-	-	-	-	-	-	-	-
Engineering Spt - Gov't/Contractor	-	3.470	4.181	1.112	-	-	-	-
Project Management Admin	-	2.158	-	-	-	-	-	-
Data Transfer Devices/Award Fee's	-	1.329	-	-	-	-	-	-
Total	0.0	33.255	14.683	18.687	13.760	15.847	9.942	16.705

*Estimates for fielding/engineering support for the ACUS-SIP will be provided when information becomes available.

MODIFICATION TITLE:
ECB AREA COMMON USER SYS-SYS IMPROVEMENT PROG (ACUS-SIP) (BB1611)

MODELS OF SYSTEMS AFFECTED: NETWORK MANAGEMENT AND CONTROL, SWITCHING, TERMINALS AND TRANSMISSION SYSTEMS

DESCRIPTION/JUSTIFICATION: The ACUS-SIP is an area switched communications system. It is comprised of the Echelons Above Corps (EAC) Communications Network and the Echelons Corps and Below (ECB) Mobile Subscriber Equipment (MSE) System. Enhancements to systems, some unique to ECB, incorporate either through modification or redesign efforts improvements in switching, network control, transmission and subscriber terminal equipment. Enhancements within this ACUS-SIP will provide future interfaces between the ECB Communications Network and Joint or Combined Forces.

DEVELOPMENT STATUS/MAJOR DEVELOPMENT MILESTONES:	PLANNED MONTH/YEAR	ACTUAL MONTH/YEAR
Not Applicable		

MODIFICA[redacted]TITLE: ECB Area Common User System
System Im[redacted]vement Prog (ACUS-SIP)
FINANCIAL PLAN ($ IN MILLIONS)

	FY 94& PRIOR	FY 95	FY 96	FY 97	FY 98	FY 99	FY 00	FY 01	EST COMPLETE	TOTAL
RDT&E										
PROCUREMENT										
KIT QUANTITY										
INSTALLATION KITS										
INSTALLATION KITS NONRECURRING										
INSTALLED EQUIPMENT	0.0	26.3	10.5	17.6	13.8	15.8	9.9	16.7	116.2	226.8
INSTALLED EQUIPMENT NONRECURRING										
ENGINEERING CHANGE ORDERS										
DATA										
GOVERNMENT ENGINEERING										
TRAINING EQUIPMENT										
SUPPORT EQUIPMENT										
INSTALLATION COST										
TOTAL PROCUREMENT COST	0.0	26.3	10.5	17.6	13.8	15.8	9.9	16.7	116.2	226.8

METHOD OF IMPLEMENTATION: CONTRACTOR

ADMIN LEAD TIME
2

MANUFACTURE LEAD TIME
VARIOUS*
* DEPENDANT UPON THE ENHANCEMENT USUALLY NO LESS THAN 12 MONTHS AND NO MORE THAN 24 MONTHS

CONTRACT DATE:	FY 94	FY 95 DEC-MAR	FY 96 DEC-MAR	FY 97 DEC-MAR
PRODUCTION DELIVERY DATE:	FY 94	FY 95 VARIABLE	FY 96 VARIABLE	FY 97 VARIABLE

INSTALLATION SCHEDULE:	FY 94				FY 95				FY 96				FY 97			
	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4
INPUT																
FY 94																
FY 95																
FY 96																
FY 97																
OUTPUT																
FY 94																
FY 95																
FY 96																
FY 97																

REPORTS CONTROL SYMBOL DD-COMP(AR) 1092	BUDGET ITEM JUSTIFICATION SHEET	DATE February 1995
APPROPRIATION / BUDGET ACTIVITY Other Procurement, Army 2 - Communications and Electronics Equipment	P-1 ITEM NOMENCLATURE COMMAND CENTER IMPROVEMENT PROG (BA8200)	

	FY 94	FY 95	FY 96	FY 97	FY 98	FY 99	FY 00	FY 01
QUANTITY								
COST (In Millions)	$ 3.6	$ 3.6	$ 0.9	$ 0.9	$ 0.1	$ 0.1	$ 0.1	$ 0.1

DESCRIPTION: This budget line supports Commander in Chief (CINC) requirements for command center systems and upgrades necessary to exercise effective command and control capabilities during crisis and wartime operations, including the USCINCEUR Command Center System (UCCS) in support of CINCEUR and the Theater Automated Command and Control Information Management System (TACCIMS) in support of the Republic of Korea (ROK)/US Combined Forces Command.

The UCCS provides essential C2 upgrades necessary for USEUCOM to exercise command and control of US Forces in the USEUCOM Area of Responsibility (AOR) in response to National Command Authority. This program has taken on increasing significance in light of the Unified Command Plan approved by the President in April 92, and the growing political and military activity within the AOR, such as events in Serbia, Croatia, Bosnia, Sarajevo, Somalia, and Nigeria. In addition UCCS is recognized by the Joint Staff and DISA as an important element of the Global Command and Control system and is recognized by the Army as an important element of the Army Global Command & Control System (GCCS).

TACCIMS is the Commander-in-Chief/ Combined Forces Command (CINC/CFC) Command and Control (C2) system and supports both the Combined Forces Command and U.S. Forces Korea. TACCIMS provides an automated bilingual C2 system consisting of over 450 workstations and file servers throughout the Republic of Korea and Okinawa. Another part of the TACCIMS system is the bilingual multipoint secure Video Teleconferencing System that links the major subordinate commands and the Theater Decision Support System. TACCIMS directly supports the CINC during armistice, crisis, exercise, and the prosecution of war with critical elements of information to facilitate his campaign plan implementation.

JUSTIFICATION: FY 96 and FY 97 funds will be used to provide engineering of the HQ USEUCOM Top Secret and Secret Local Area Networks to support GCCS integration, filling voids in near-term GCCS versions (e.g. Data Teleconferencing, Briefing and Display, Joint Task Force support, GCCS compliant new/unique functionality) and integration of EUCOM/European Theater Command Center Intel/Defense Message System/Information Mission Area and C2 support systems.

COOPERATIVE AGREEMENTS: TACCIMS is a binational program between the Republic of Korea (ROK) and the United States. A Memorandum of Agreement (MOA) was signed by the two countries on 4 May 1987. The US share is 85 percent of the total cost of the program as defined in the MOA. The specific US responsibilities are to fund for and acquire the automated C2 system known as TACCIMS and to fund maintenance of the system up to Final Operational Capability (FOC). The ROK has the responsibility to fund and construct a new Command Center Seoul and a new third tunnel in the wartime headquarters known as Command Post Tango. These two command centers were completed in Dec 89 and are presently operational.

WEAPON SYSTEM COST ANALYSIS EXHIBIT (P-5)	A. APPROPRIATION/TITLE/NO. OPA 2 - Communications and Electronics Equipment				B. WEAPON MODEL/SERIES/POPULAR NAME COMMAND CENTER IMPROVEMENT PROG (BA8200)						C. MANUF. Numerous See 5a.	D. DATE February 1995	
WEAPON SYSTEM COST ELEMENTS	IDENT CODE	FY 94 Unit Cost	FY 94 Qty	FY 94 Total Cost	FY 95 Unit Cost	FY 95 Qty	FY 95 Total Cost	FY 96 Unit Cost	FY 96 Qty	FY 96 Total Cost	FY 97 Unit Cost	FY 97 Qty	FY 97 Total Cost
EUCOM COMMAND CENTERS:													
System Engineering, Installation & Test	A	1,000	1	1,000	1,000	1	1,000	300	1	300	300	1	300
Local Distribution System	A				310	1	310	200	1	200	200	1	200
EUCOM Decision Support System	A	255	1	255									
Command & Control Interfaces	A	160	1	160	200	1	200	170	1	170	178	1	178
Map Graphics	A	172	1	172									
Monitor & Control System	A	100	1	100									
Joint Task Force (JTF) Integration	A	275	1	275	300	1	300	150	1	150	150	1	150
Briefing & Display System	A				205	1	205	100	1	100	100	1	100
TACCIMS:													
TACCIMS Video Spt Sys (TVSS)	A	776	1	776	800	1	800						
System Upgrade	A	900	1	900	623	1	623						
Relocation Work	A				200	1	200						
TACCIMS = Theater Automated Command & Control Information Management System													
TOTAL				3,638			3,638			920			928

BUDGET PROCUREMENT HISTORY AND PLANNING EXHIBIT (P - 5A)

A. DATE: February 1995

B. APPROPRIATION / BUDGET ACTIVITY
Other Procurement, Army 2 - Communications and Electronics Equipment

C. P-1 ITEM NOMENCLATURE
COMMAND CENTER IMPROVEMENT PROG (BA8200)

LINE ITEM / FISCAL YEAR	CONTRACTOR	CONTRACT METHOD AND TYPE	CONTRACTED BY	AWARD DATE	DATE OF FIRST DELIVERY	QTY	UNIT COST	SPEC AVAIL NOW	SPEC REVIS REQ'D	IF YES, WHEN AVAIL
EUCOM COMMAND CENTERS:										
System Engrg, Instl, & Test										
FY 94	JPL	MIPR	NASA	MAR 94	SEP 94	1	1,000			
FY 95	JPL	MIPR	NASA	JAN 95	MAY 95	1	1,000			
FY 96	JPL	MIPR	NASA	DEC 95	APR 96	1	300	YES	NO	
FY 97	JPL	MIPR	NASA	DEC 96	APR 97	1	300	YES	NO	
Local Distribution System										
FY 95	JPL	MIPR	NASA	JAN 95	MAY 95	1	310			
FY 96	JPL	MIPR	NASA	DEC 95	APR 96	1	200	YES	NO	
FY 97	JPL	MIPR	NASA	DEC 96	APR 97	1	200	YES	NO	
EUCOM Decision Spt System										
FY 94	JPL	MIPR	NASA	DEC 93	SEP 94	1	255			
Command & Control Interfaces										
FY 94	JPL	MIPR	NASA	DEC 93	SEP 94	1	160			
FY 95	JPL	MIPR	NASA	JAN 95	MAY 95	1	200			
FY 96	JPL	MIPR	NASA	DEC 95	MAY 96	1	170	YES	NO	
FY 97	JPL	MIPR	NASA	DEC 96	MAY 97	1	178	YES	NO	

D. Remarks:

JPL = Jet Propulsion Laboratory, Pasadena, CA
NASA = National Aeronautics Space Administration

BUDGET PROCUREMENT HISTORY AND PLANNING EXHIBIT (P - 5A)

A. DATE: February 1995

B. APPROPRIATION / BUDGET ACTIVITY: Other Procurement, Army 2 - Communications and Electronics Equipment

C. P-1 ITEM NOMENCLATURE: COMMAND CENTER IMPROVEMENT PROG (BA8200)

LINE ITEM / FISCAL YEAR	CONTRACTOR	CONTRACT METHOD AND TYPE	CONTRACTED BY	AWARD DATE	DATE OF FIRST DELIVERY	QTY	UNIT COST	SPEC AVAIL NOW	SPEC REVIS REQ'D	IF YES, WHEN AVAIL
MAP Graphics										
FY 94	JPL	MIPR	NASA	DEC 93	SEP 94	1	172			
Monitor & Control System										
FY 94	JPL	MIPR	NASA	DEC 93	SEP 94	1	100			
JTF Integration										
FY 94	JPL	MIPR	NASA	DEC 93	SEP 94	1	275			
FY 95	JPL	MIPR	NASA	JAN 95	MAY 95	1	300			
FY 96	JPL	MIPR	NASA	DEC 95	MAY 96	1	150	YES	NO	
FY 97	JPL	MIPR	NASA	DEC 96	MAY 97	1	150	YES	NO	
Briefing & Display System										
FY 95	JPL	MIPR	NASA	JAN 95	MAY 95	1	205			
FY 96	JPL	MIPR	NASA	DEC 95	MAY 96	1	100	YES	NO	
FY 97	JPL	MIPR	NASA	DEC 96	MAY 97	1	100	YES	NO	
TACCIMS:										
TVSS										
FY 94	VAR*	SS/FP	CECOM	NOV 93	DEC 93	1	776			
FY 95	CSC/BAH **	C/FP #	CECOM	DEC 94	JAN 95	1	800	YES	NO	

D. Remarks:

TVSS - TACCIMS Video Support System
CSC - Computer Scientific Corporation, Eatontown, NJ
BAH - Booz Allen & Hamilton, Eatontown, NJ
JPL - Jet Propulsion Laboratory, Pasedena, CA
= Time & Materials (T&M)

* Multiple GSA contractors (including Video Corporation, Compression Labs, AT&T, Folsum, Inc.).
** Multiple awards/delivery orders/dates throughout FY.

JTF = Joint Task Force
NASA = National Aeronautics and Space Administration

BUDGET PROCUREMENT HISTORY AND PLANNING EXHIBIT (P - 5A)

A. DATE: February 1995

B. APPROPRIATION / BUDGET ACTIVITY: Other Procurement, Army 2 - Communications and Electronics Equipment

C. P-1 ITEM NOMENCLATURE: COMMAND CENTER IMPROVEMENT PROG (BA8200)

LINE ITEM / FISCAL YEAR	CONTRACTOR	CONTRACT METHOD AND TYPE	CONTRACTED BY	AWARD DATE	DATE OF FIRST DELIVERY	QTY	UNIT COST	SPEC AVAIL NOW	SPEC REVIS REQ'D	IF YES, WHEN AVAIL
System Enhancement										
FY 94	SRI International	C/FP #	CECOM	NOV 93	DEC 93	1	900			
FY 95	SRI International	C/FP #	CECOM	JAN 95	FEB 95	1	623			
Relocation Work										
FY 95	TBS	C/FP	CECOM	MAR 95	APR 95	1	200	YES	NO	

D. Remarks:

SRI International , Menlo Park, CA

= Time & Materials (T&M)

REPORTS CONTROL SYMBOL DD-COMP(AR) 1092	BUDGET ITEM JUSTIFICATION SHEET	DATE February 1995

APPROPRIATION / BUDGET ACTIVITY	P-1 ITEM NOMENCLATURE
Other Procurement, Army 2 - Communications and Electronics Equipment	SOUTHCOM C3 UPGRADE (BU4000)

	FY 94	FY 95	FY 96	FY 97	FY 98	FY 99	FY 00	FY 01
QUANTITY								
COST (In Millions)	$ 0.0	$ 0.0	$ 11.4	$ 5.0	$ 0.0	$ 0.0	$ 0.0	$ 0.0

DESCRIPTION:

In accordance with the Panama Canal Treaty, SOUTHCOM Headquarters must relocate by CY 1999. This program supports the relocation requirement for establishment of the C4I communications infrastructure at the new location while continuing support to on-going mission requirements. There are 20 unique sub-systems which must be operational at the new location.

JUSTIFICATION:

FY 96 funds will be used to procure the non-secure switch, red switch, and technical control facility, all of which are long lead items required for the communications infrastructure. FY 97 funds will be used to procure a portion of the remaining sub-systems, i.e., the SOUTHCOM LAN, LAN Backbone options, and the Defense Simulation Internet.

WEAPON SYSTEM COST ANALYSIS EXHIBIT (P-5)	A. APPROPRIATION/TITLE/NO. OPA 2 - Communications and Electronics Equipment				B. WEAPON MODEL/SERIES/POPULAR NAME SOUTHCOM C3 UPGRADE (BU 4000)						C. MANUF. Numerous See 5a.	D. DATE February 1995	
		FY 94			FY 95			FY 96			FY 97		
WEAPON SYSTEM COST ELEMENTS	IDENT CODE	Unit Cost	Qty	Total Cost	Unit Cost	Qty	Total Cost	Unit Cost	Qty	Total Cost	Unit Cost	Qty	Total Cost
Non-Secure Switch	A							6,239	1	6,239			
Red Switch	A							4,534	1	4,534			
Tech Control Facility	A							464	1	464			
Enigineering	A							187	1	187			
SOUTHCOM LAN	A										771	1	771
LAN Backbone Options	A										1,797	1	1,797
Defense Simulation Internet	A										2,399	1	2,399
TOTAL										11,424			4,967

BUDGET PROCUREMENT HISTORY AND PLANNING EXHIBIT (P - 5A)

A. DATE: February 1995

B. APPROPRIATION / BUDGET ACTIVITY
Other Procurement, Army 2 - Communications and Electronics Equipment

C. P-1 ITEM NOMENCLATURE
SOUTHCOM C3 UPGRADE (BU 4000)

LINE ITEM / FISCAL YEAR	CONTRACTOR	CONTRACT METHOD AND TYPE	CONTRACTED BY	AWARD DATE	DATE OF FIRST DELIVERY	QTY	UNIT COST	SPEC AVAIL NOW	SPEC REVIS REQ'D	IF YES, WHEN AVAIL
Non-Secure Switch FY 96	GTE	C/FP	CECOM	NOV 95	JAN 97	1	6,239	YES	NO	
Red Switch FY 96	ESI	C/FP	DISA	NOV 95	JAN 97	1	4,534	YES	NO	
Tech Control Facility FY 96	VAR*	VAR*	CECOM	VAR*	NOV 96	1	464	YES	NO	
Engineering FY 96	SAIC	C/FP	ISC	OCT 95	OCT 95	1	187	YES	NO	
LAN FY 97	TBS	C/FP	CECOM	NOV 96	MAY 97	1	771			
LAN Backbone Options FY 97	TBS	C/FP	CECOM	NOV 96	MAY 97	1	1,797			
Defense Simulation Internet FY 97	TBS	C/FP	CECOM	NOV 96	JUL 97	1	2,399			

D. Remarks:
GTE = Government Systems Corp, Needham Heights, MA
ESI = Electrospace Systems Inc., Dallas TX
SAIC = Science Applications International Corp, Sierra Vista, AZ

* Various contracts including IDIQ contract for matrix switch required to procure all components of the TCF.

CONTROL S[illegible]
DD-COMP(AR) 1092 BUDGET ITEM JUSTIFICATION SHEET

FEBRUARY 1995

APPROPRIATION/BUDGET ACTIVITY	P-1 ITEM	P-1 NOMENCLATURE
Other Procurement, Army 2 - Communications and Electronics Equipment		STANDARD THEATER ARMY COMMAND & CONTROL SYSTEM (STACCS) (BA8250)

	FY94	FY95	FY96	FY97	FY98	FY99	FY00	FY01
QUANTITY								
COST (In Millions)	$ 5.7	$ 12.1	$ 8.6	$ 15.3	$ 15.6	$ 19.6	$ 10.1	8.7

DESCRIPTION: Army Global Command and Control System (AGCCS) is being implemented in accordance with the Global Command and Control System (GCCS) concept of Common Operating Environment (COE), the Army COE (ACOE), and the Army Battle Command System (ABCS) Operational Requirements Document (ORD). The AGCCS initative is the results of the merger of three seperate projects: Army WWMCCS Information System (AWIS), Standard Theater Army Command and Control System (STACCS), and the Echelons Above Corps (EAC) portion of the Combat Service Support Control System (CSSCS).
The AWIS and STACCS organizations merged on 1 July 1994. A second merge will take place on 1 Oct 95 when AWIS, STACCS, and CSSCS (EAC) combine into a single PMO. The combined software development requirements of these three projects will be satisfied through a combined contract which was awarded in December 1994. The intent is to field an integrated command and control (C2) system that provides standard modular, system support and application support software capable of supporting a tailorable set of functional applications and compatible, integrated exchange of data, both horizontally and vertically throughout the Army hierarchy. This will accomodate a flexible, interoperable C2 system that can be tailored for various levels of command and will ensure connectivity. AGCCS will support operations during peace as well as war including contingency and natural disaster operations. It will support major Army commands (MACOMS) (vice: Component Commands), Army Commanders in Chief (CINC's), Army Joint Task Force (JTF) Commands and Components and Army elements within the Pentagon. The AGCCS will support all staff sections within a headquarters and all phases of conflict. The AGCCS will provide the Army's interface to the Joint GCCS program. AGCCS is the integration of software, hardware and communication architecture supporting strategic and tactical environments. In order to field the system, upgrades and additional workstations, Database Servers, Communications Equipment, Local Area Networks (LANs), and Fielding/Systems Engineering and Integration (SE&I) will be required.

a. Common User Products are intelligent workstations and associated printers that are required for effective operation within the current C2 environment to facilitate the exchange of information between users and/or commands via a flexible communications network.

b. The Database Server provides the foundation for standardized software and support needed for the development of Joint, Service, and command applications and modeling software.

c. Local Area Network (LAN) is required to facilitate the exchange of secure intersite communications between users and devices located at AWIS/AGCCS facility and also to facilitate the transmission/receipt of secure communications between AWIS/AGCCS sites over the AWIS/AGCCS Intercomputer network system.

JUSTIFICATION:
This system will provide the linkage of the tactical command and control (C2) systems to the Global Command and Control System (GCCS). This will create a seamless C2 architecture for the commanders at all levels, from strategic to the foxhole, a common picture of the battlefield in terms of maneuver forces, intelligence, fire support, logistics, and air defense. This also includes access to Navy, Air Force and Marine C2 systems.

In FY96 continued hardware/software fielding will include U S Army Pacific (USARPAC); and initial fielding at 8th Army (Korea), and Southern Command (SOUTHCOM), Forces Command (FORSCOM), US Army, Europe (USAREUR), and Headquarters Deparatment of the Army (HQDA).

In FY97 hardware and software enhancements will be fielded to FORSCOM/ARCENT (Army Central Command), Army War College (AWC), Military Traffic Management Command (MTMC), and European Command (EUCOM).

Identification Code: A

WEAPON SYSTEM COST ANALYSIS EXHIBIT (P-5)			A. Appropriation: Comm/Electronic	OPA-2 Equip	B. WEAPON MODEL/SERIES/POPULAR NAME: STACCS		C. MANUFACTURER NAME PLANT CITY/STATE LOCATION VARIOUS		D. DATE FEBRUARY 1995
WEAPON SYSTEM COST ELEMENT	Ident. Code	FY 94 UNIT COST	TOTAL COST	FY 95 UNIT COST	TOTAL COST	FY 96 UNIT COST	TOTAL COST	FY 97 UNIT COST	TOTAL COST
	A								
1. PC Upgrades (Workstations Series 486)				3	(347) 1,041	0	0	0	0
2. Sun SPARC 5 (Workstation)				12	(41) 492	12	(700) 8,400	12	(750) 9,000
3. Sun SPARC Center (1000) (Database Server)				309	(2) 618	309	(4) 1,236	309	(5) 1,545
4. Sun SPARC Center (2000) (Database Server)				469	(1) 469	469	(1) 469	469	(2) 938
5. Sun SPARC 20 (Application Server)				56	(83) 4,648	56	(15) 840	56	(12) 672
6. Local Area Networks (Upgrades (LAN)					2,900		1,450		2,030
7. Fielding			417		1,840		2,131		998
8. HP RISC 700 SERIES WORKSTATIONS (WKSTAS) WITH PERIPHERAL EQUIPMENT		66	(51) 3,387						
9. Other Comm Equip (packets,switches,bridges,etc)		46	(31) 1,440						
TOTAL			5,244		12,008		14,526		15,183

FOOTNOTE: ITEM #7
FY95-FY97 full cost will be shared by other Agencies.

BUDGET PROCUREMENT HISTORY AND PLANNING EXHIBIT (P5-A)

DATE EBRUARY 1995

APPROPRIATION/BUDGET ACTIVITY

Other Procurement, Army 2 - Communications and Electronics Equipment

P-1 ITEM NOMENCLATURE
Standard Theater Army Command & Control System (STACCS)

COST ELEMENT/ FISCAL YEAR	CONTRACTOR AND LOCATION	CONTRACT METHOD & TYPE	CONTRACTE BY	AWARD DATE	DATE OF FIRST DELIVER	QTY	UNIT COST	SPECS AVAIL NOW	SPEC REVIS REQ'D	IF YES, WHEN AVAIL-ABLE
1. PC Upgrades										
FY95	EDS, Plano TX	C/FP	Air Force	MAR 95	JUL 95	347	3,000	YES		
2. Sun SPARC 5 (Workstations)										
FY95	NPIC, Washington, DC	C/FP	CIA	MAR 95	JUL 95	41	$12,000	YES		
FY96	NPIC, Washington, DC	C/FP	CIA	DEC 95	APR 96	700	$12,000	YES		
FY97	NPIC, Washington, DC	C/FP	CIA	DEC 96	APR 97	750	$12,000	YES		
3. Sun SPARC Center (1000)										
FY95	NPIC, Washington, DC	C/FP	CIA	MAR 95	JUL 95	2	$309,000	YES		
FY96	NPIC, Washington, DC	C/FP	CIA	DEC 95	APR 96	4	$309,000	YES		
FY97	NPIC, Washington, DC	C/FP	CIA	DEC 96	APR 97	5	$309,000	YES		
4. Sun SPARC Center (2000)										
FY95	NPIC, Washington, DC	C/FP	CIA	MAR 95	JUL 95	1	$469,000	YES		
FY96	NPIC, Washington, DC	C/FP	CIA	DEC 95	APR 96	1	$469,000	YES		
FY97	NPIC, Washington, DC	C/FP	CIA	DEC 96	APR 97	2	$469,000	YES		
5. Sun SPARC 20										
FY95	NPIC, Washington, DC	C/FP	CIA	MAR 95	JUL 95	83	$56,000	YES		
FY96	NPIC, Washington, DC	C/FP	CIA	DEC 95	APR 96	15	$56,000	YES		
FY97	NPIC, Washington, DC	C/FP	CIA	DEC 96	APR 97	12	$56,000	YES		
8. HP RISC 700 Series										
FY94	MILTOPE, MONTGOMERY AL	C/FP	CECOM	JAN 94	MAY 94	51	$66,411	YES		
9. Other Comm Equip (Packets) FY94	TRW-W, MONTEREY, CA	C/FP	CECOM	JAN 94	MAY 94	31	$46,190	YES		

D. REMARKS

DD Form 2446-1, JUL 87

P-1 SHOPPING LIST
ITEM No. 31

FY 96/97 BUDGET PRODUCTION SCHEDULE

P-1 ITEM NOMENCLATURE: Standard Theater Army Command and Control System (BA8250)

Date: FEBRUARY 1995

ITEM/MANUFACTURER/ PROCUREMENT YEAR	SERV	PROC QTY	ACCEP PRIOR TO 1 OCT	BALANCE DUE AS OF 1 OCT	FISCAL YEAR 1995												FISCAL YEAR 1996												LATER
					CALNDR YR 9	CALENDAR YEAR 1995											CALENDAR YEAR 1996												
					OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	
HP RISC/CHS, FY94	A	51	51	0																								
SUN SPARC 20/NPIC, FY95	A	83	0	83						A			50	33														
SUN SPARC 20/NPIC, FY96	A	700	0	700															A			300	300	100				
SUN SPARC 20/NPIC, FY97	A	750	0	750																								
TOTAL			51	1,533	0	0	0	0	0	0	0	0	50	33	0	0	0	0	0	0	0	300	300	100	0	0	0	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

MANUFACTURER'S NAME AND LOCATION	PRODUCTION RATES			REACHED D*
	MINIMUM SUST.	1-8-5	MAXIMUM	
MILTOPE MONTGOMERY, AL	25	200	600	4
NPIC, Washington, D.C.	25	200	600	

PROCUREMENT LEAD TIME

	ADMIN LEAD TIME PRIOR 1 OCT	ADMIN LEAD TIME AFTER 1 OCT	MANU-FACTURING TIME	TOTAL AFTER 1 OCT
INITIAL	0	1	4	5
Reorder	0	1	4	5

REMARKS

DD Form 2445, JUL 87 — *Previous editions are obsolete* — P-1 SHOPPING LIST — ITEM NO. 31

Exhibit P-21 Production Schedule

FY 96/97 BUDGET PRODUCTION SCHEDULE

P-1 ITEM NOMENCLATURE: Standard Theater Army Command and Control System (BA8250)

Date: FEBRUARY 1995

ITEM/MANUFACTURER/ PROCUREMENT YEAR	FISCAL YEAR 1997												FISCAL YEAR 1998												FISCAL YEAR 1999												LATER
	CALNDR YR 9			CALENDAR YEAR 1997												CALENDAR YEAR 1998												CALENDAR YEAR 1999										
	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	
HP RISC/CHS, FY94																																					
SUN SPARC 20/NPIC, FY95																																					
SUN SPARC 20/NPIC, FY96																																					
SUN SPARC 20/NPIC FY97			A				300	300	150																												
TOTAL	0	0	0	0	0	0	300	300	150	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	

REMARKS

BUDGET ITEM JUSTIFICATION SHEET

DATE FEBRUARY 1995

APPROPRIATION/BUDGET ACTIVITY	P-1 ITEM NOMENCLATURE
Other Procurement, Army 2 - Communications and Electronics Equipment	ARMY DATA DISTRIBUTION SYSTEM (ADDS) (BU1400)

	Prior Years	FY94	FY95	FY96	FY97	FY98	FY99	FY00	FY01	To Complete	Total Program
QUANTITY											
COST (In Millions)	352.5	37.0	9.5	20.0	10.3	9.8	51.7	54.7	54.7		600.2

DESCRIPTION: THE ARMY DATA DISTRIBUTION SYSTEM (ADDS) IS A COMMAND, CONTROL, AND COMMUNICATION (C3I) NETWORK CONSISTING OF THE ENHANCED POSITION LOCATION REPORTING SYSTEM (EPLRS) AND THE ARMY PORTION OF THE JOINT TACTICAL INFORMATION DISTRIBUTION SYSTEM (JTIDS). EPLRS IS A DIRECT OUTGROWTH OF THE ARMY/UNITED STATES MARINE CORPS (USMC) POSITION LOCATION REPORTING SYSTEM (PLRS) AND PROVIDES BATTLEFIELD COMMANDERS COMBAT INFORMATION ON THE POSITION OF THEIR FORCES IN ADDITION TO SUPPORTING THE MAJORITY OF THE DATA COMMUNICATIONS NEEDS OF THE MULTITUDE OF COMPUTERS TO BE FIELDED AS PART OF ARMY TACTICAL COMMAND AND CONTROL SYSTEM (ATCCS) JTIDS SUPPORTS THE UNIQUE DATA COMMUNICATIONS NEEDS OF VERY HIGH VOLUME USERS WITH INTER-SERVICE REQUIREMENTS.

THE ARMY IS FIELDING ATCCS TO AUTOMATE AND INCREASE THE EFFECTIVENESS OF THE FIVE BATTLEFIELD FUNCTIONAL AREAS (BFA): MANEUVER CONTROL, FIRE SUPPORT, AIR DEFENSE, INTELLIGENCE, AND COMBAT SUPPORT. ADDS IS ESSENTIAL TO SUPPORT TACTICAL OPERATIONS ON THE AUTOMATED BATTLEFIELD WITH RELIABLE, REAL -TIME , SECURE, JAM RESISTANT DATA COMMUNICATIONS AND POSITION LOCATION CAPABILITIES. IT HAS BEEN DESIGNED SPECIFICALLY TO MEET THE DATA COMMUNICATION REQUIREMENTS OF EMERGING COMPUTER AND SENSOR SYSTEMS.

JUSTIFICATION:

FY96

EPLRS: THE FY96 BUDGET WILL FINANCE THE FIELDING OF PRIOR YEAR HARDWARE PROCUREMENTS TO CONTIGENCY CORPS UNITS. THE BUDGET WILL ALSO PROVIDE FOR NEW EQUIPMENT TRAINING (NET), INTEGRATION , LIFE CYCLE SOFTWARE ENGINEERING (LCSE) AND PROGRAM MANAGEMENT SUPPORT.

FY97

EPLRS: THE FY 97 BUDGET WILL COMPLETE THE FIELDING OF PRIOR YEAR HARDWARE PROCUREMENTS TO CONTINGENCY CORPS UNITS. THE BUDGET WILL ALSO PROVIDE FOR NEW EQUIPMENT TRAINING (NET), INTEGRATION, LIFE CYCLE SOFTWARE ENGINEERING (LCSE) AND PROGRAM MANAGEMENT SUPPORT.

WEAPON SYSTEM COST ANALYSIS EXHIBIT (P-5)		A. APPROPRIATION NO. OPA2 - Communications and Electronics Equipment			B. WEAPON MODEL/SERIES/POPULAR NAME ARMY DATA DISTRIBUTION SYSTEM (ADDS) (BU1400)						C.MANUF Numerous See P5a		D. DATE February 1995
WEAPONS SYSTEM COST ELEMENTS	IDENT CODE	FY94 UNIT COST	FY94 QTY	FY94 TOTAL COST	FY95 UNIT COST	FY95 QTY	FY95 TOTAL COST	FY96 UNIT COST	FY96 QTY	FY96 TOTAL COST	FY97 UNIT COST	FY97 QTY	FY97 TOTAL COST
Enhanced Position Location Reporting System (EPLRS)	A												
Hardware													
Signal Message Processors (SMP) - VHSIC		51	1,816	8,332									
NCS-E								284*	7	1,986			
GFE/Maintenance				1,175			1,201			3,692			902
Engineering Support:													
Contractor System Engineering				702			495			540			300
Government In-House				5,395			2,383			2,499			2,546
Peculiar Support Equipment				769									
Engineering Change Order (ECO's)				1,200						188			
Integration/Installation				2,589						700			945
Training				1,361			478			510			545
Life Cycle Software Engineering				1,520			1,600			1,420			1,685
Initial Production Facilities				540						546			
Testing				3,703						500			
Contractor Project Management				638									
Project Management Administration				1,554			1,630			1,594			1,848
Data				809						437			
Fielding				6,691			1,703			5,356			1,560
TOTAL PROGRAM				36,978			9,490			19,968			10,331

*Unit Cost have been rounded; exact Unit Cost can be found on P-5A

BUDGET PROCUREMENT HISTORY AND PLANNING EXHIBIT (P-5A)

A. DATE: February 1995

B. APPROPRIATION/BUDGET ACTIVITY
Other Procurement, Army 2 - Communications and Electronics Equipment

C. P-1 ITEM NOMENCLATURE
ARMY DATA DISTRIBUTION SYSTEM (ADDS) (BU1400)

LINE ITEM/FISCAL YEAR	CONTRACTOR & LOCATION	CONTRACT METHOD AND TYPE	CONTRACTED BY	AWARD DATE	DATE OF FIRST DELIVERY	QTY	UNIT COST	SPECS AVAIL NOW	SPEC REVIS REQD	IF YES, WHEN AVAIL
FY 93 ADDS-ENHANCED PLRS (EPLRS)	HUGHES AIRCRAFT FORREST MS	SS/FPI (OPT 3)	CECOM	May 93	Oct 94	515	40,218	YES	NO	
FY 94 SIGNAL MESSAGE PROCESSOR (SMP)	HUGHES AIRCRAFT FORREST MS	SS/FPI VHSIC	CECOM	May 94	Nov 95	1,816	4,588	NO	YES	Feb 96
FY 96 NET CONTROL STATION EPLRS (NCS-E)	HUGHES AIRCRAFT FORREST MS	SS/FPI	CECOM	Nov 95	May 97	7	283,714	NO	YES	Sep 95

D. REMARKS:
THE FY 94 FUNDING ALLOWS SIGNAL MESSAGE PROCESSOR (SMP) PROCUREMENT NECESSARY TO COMPLETE THE VERY HIGH SPEED INTEGRATED CIRCUIT (VHSIC) EFFORTS. PRIOR YEAR PROCUREMENTS WILL BE RETOFITTED WITH VHSIC CAPABILITIES.

PRODUCTION SCHEDULE (EXHIBIT P-21)

P-1 ITEM NOMENCLATURE ARMY DATA DISTRIBUTION SYSTEM (ADDS) (BU1400) DATE FEBRUARY 1995

AC NO.	S V C A	PROCUREMENT QUANTITY FY 93*	FY 94	FY 95	FY 96	FY 97	FY	ACCEL PRIOR OCT 93	BAL DUE OCT 93
EPUs									
1	A	1301						531	770
1	A	515							515
SMP									
2	A		1816					0	1816
NCS E									
3	A				7			0	7
TOTAL		1816	1816	0	7	0	0	531	3101

	FISCAL YEAR 94												FISCAL YEAR 95											
	CALENDAR YEAR 94												CALENDAR YEAR 95											
	O	N	D	J	F	M	A	M	J	J	A	S	O	N	D	J	F	M	A	M	J	J	A	S
EPUs																								
1 A	0	139	15	0	0	60	151	0	80	84	85	85	71	0	0	0	0	0	0					
1 A													14	85	85	85	85	85	76					
SMP																								
2 A								A																
NCS E																								
3 A																								
TOTAL	0	139	15	0	0	60	151	0	80	84	85	85	85	85	85	85	85	85	76	0	0	0	0	0
	O	N	D	J	F	M	A	M	J	J	A	S	O	N	D	J	F	M	A	M	J	J	A	S

FAC	MAN NAME & LOC	MIN	IBS	MAX	REACHED
1	HUGHES AIRCRAFT	50	100	200	
	FOREST, MISSISSIPPI				
2	HUGHES AIRCRAFT	75	180	200	
	FOREST, MISSISSIPPI				
3	HUGHES AIRCRAFT				
	FOREST, MISSISSIPPI				

	PROCUREMENT LEAD TIME			
	ADMIN LEAD TIME		PRODUCTION	TOTAL AFTER 1-OCT
	PRIOR 1 OCT	AFTER 1 OCT		
INITIAL	24	2	32	32
REORDER	0	2	20-26	20-26

REMARKS

*INCLUDES FY 93 AND PRIOR.

The Lead Time for the Signal Message Processor is 17 months.

The "BAL DUE OCT 93" total reflects both the EPUUs and SMPs.

The SMPs that are being procured in FY 94 are components for the 1816 EPUUs and are not separate end items.

PRODUCTION SCHEDULE (EXHIBIT P-21) | P-1 ITEM NOMENCLATURE ARMY DATA DISTRIBUTION SYSTEM (ADDS) (BU1400) | DATE FEBRUARY 1995

AC	S V C A	PROCUREMENT QUANTITY FY 93*	FY 94	FY 95	FY 96	FY 97	FY	ACCEP PRIOR OCT	BAL DUE OCT
EPU									
1	A	1301						1301	0
1	A	515						515	0
SMP									
2	A		1816					0	1816
NCS E									
3	A				7			0	7
TOTAL		1816	1816	0	7	0	0	1816	1636

	FISCAL YEAR 96												FISCAL YEAR 97											
	CALENDAR YEAR 96												CALENDAR YEAR 97											
	O	N	D	J	F	M	A	M	J	J	A	S	O	N	D	J	F	M	A	M	J	J	A	S
EPU																								
1																								
1																								
SMP																								
2		80	100	140	150	160	160	170	170	180	180	180	146											
NCS E																								
3		A																1	1	1	1	1	1	1
TOTAL	0	80	100	140	150	160	160	170	170	180	180	180	146	0	0	0	0	1	1	1	1	1	1	1
	O	N	D	J	F	M	A	M	J	J	A	S	O	N	D	J	F	M	A	M	J	J	A	S

LATER: 0 0 0 0 0 0 0 0 0 0 0 0 0 0

FA	MAN NAME & LOC	MIN	IBS	MAX	REACHED
1	HUGHES AIRCRAFT	50	100	200	
	FOREST, MISSISSIPPI				
2	HUGHES AIRCRAFT	75	180	200	
	FOREST, MISSISSIPPI				
3	HUGHES AIRCRAFT				
	FOREST, MISSISSIPPI				

	PROCUREMENT LEAD TIME			
	ADMIN LEAD TIME		PRODUCTION	TOTAL AFTER 1-OCT
	PRIOR 1 OCT	AFTER 1 OCT		
INITIAL	24	2	32	32
REORDER	0	2	20-26	20-26

REMARKS

*INCLUDES FY 93 AND PRIOR.

The Lead Time for the Signal Message Processor is 17 months.
The "BAL DUE OCT 93" total reflects both the EPUUs and SMPs.
The SMPs that are being procured in FY 94 are components for the 1816 EPUUs and are not separate end items.

PAGE 5 of 5

REPORTS CONTROL SYMBOL
DD-COMP(AR)1092

BUDGET ITEM JUSTIFICATION SHEET

DATE February 1995

APPROPRIATION / BUDGET ACTIVITY
Other Procurement: Army 2
Communications and Electronics Equipment

P-1 ITEM NOMENCLATURE

MOBILE SUBSCRIBER EQUIPMENT (MSE) (BB1610)

	FY 94	FY 95	FY 96	FY 97	FY 98	FY 99	FY 00 / 01
QUANTITY						NOW	
COST(IN MILLIONS)	42.8	0.0	3.5	6.7	6.0	5.8	5.0 / 4.2

DESCRIPTION:
The Mobile Subscriber Equipment (MSE) Communications System is a fielded area radio communication system providing Corps and Division, mobile and stationary users the equivalent of automatic secure dial telephone service for both voice and data. MSE provides uninterrupted communication which enables commanders and staffs to exercise command and control from both mobile platforms and Command Posts which may be dispersed or massed, and requires frequent relocation due to enemy threat and conduct of battle.

JUSTIFICATION:
FY 96/97 funds are required for the Project Management Adminstration to support the day-to-day operations of the Project Managers Office, which includes salaries and travel in support of all existing contracts; Production Engineering to provide for the necessary government matrix personnel in direct support of the above mission; and Contractor Engineering Support to provide support to the Project Manager of a type not available within either Core or Matrix assets.

WEAPON SYSTEM COST ANALYSIS EXHIBIT (P-5)		A. APPROPRIATION NO. OPA2 - Communications and Electronics Equipment			B. WEAPON MODEL/SERIES/POPULAR NAME MOBILE SUBSCRIBER EQUIPMENT (MSE)						C.MANUF Numerous See P5a	D. DATE February 1995	
WEAPONS SYSTEM COST ELEMENTS	IDENT CODE	FY94 UNIT COST	FY94 QTY	FY94 TOTAL COST	FY95 UNIT COST	FY95 QTY	FY95 TOTAL COST	FY96 UNIT COST	FY96 QTY	FY96 TOTAL COST	FY97 UNIT COST	FY97 QTY	FY97 TOTAL COST
1. PROJ MANAGEMENT ADMIN	-			3,147						2,200			2,100
2. GOVT/CONT ENGINEERING	-			4,008						1,277			3,155
3. AREA COMMON USER SYS-SYS IMP PROG (ACUS-SIP)	A			25,323									1,400
4. FIELDING	-			3,309									
5. NETWORK MANAGEMENT TERM	A			7,000									
			0	42,787		0	0		0	3,477		0	6,655

BUDGET PROCUREMENT HISTORY AND PLANNING EXHIBIT (P-5A)

A. DATE: February 1995

B. APPROPRIATION/BUDGET ACTIVITY: Other Procurement, Army 2 - Communications and Electronics Equipment

C. P-1 ITEM NOMENCLATURE: MOBILE SUBSCRIBER EQUIPMENT (MSE)

LINE ITEM/FISCAL YEAR	CONTRACTOR & LOCATION	CONTRACT METHOD AND TYPE	CONTRACTED BY	AWARD DATE	DATE OF FIRST DELIVERY	QTY	UNIT COST	SPECS AVAIL NOW	SPEC REVIS REQD	IF YES, WHEN AVAIL
1. AREA COMMON USER SYS-SYS IMPROVEMENT PROG (ACUS-SIP)										
FY 1994	GTE TAUNTON, MA	SS/CPAF	CECOM	May 94	Sep 96	N/A	N/A	YES	NO	
FY 1997	GTE TAUNTON, MA	SS/CPAF	CECOM	Jan 97	May 98	N/A	N/A	YES	NO	
2. NETWORK MANAGEMENT TERMINAL										
FY 1994	GTE TAUNTON, MA	SS/FP	CECOM	Jan 94	Oct 95	N/A	N/A	YES	NO	

D. REMARKS:
Quantity/Unit Cost not applicable. Systems are being procured as software enhancements/engineering change proposals (ECP's).

BUDGET ITEM JUSTIFICATION SHEET

DATE FEBRUARY 1995

APPROPRIATION/BUDGET ACTIVITY
Other Procurement, Army 2 - Communications and Electronics Equipment

P-1 ITEM NOMENCLATURE
SINCGARS FAMILY (BW0006)

	Prior Years	FY94	FY95	FY96	FY97	FY98	FY99	FY00	FY01	To Complete	Total Program
QUANTITY	93,691	36,639	38,290	31,890	28,429	16,495	8,607	10,560	11,430	0	276,031
COST (In Millions)	1,352.7	352.1	364.8	310.6	208.4	225.0	131.2	153.9	164.1		3,262.8

DESCRIPTION:
THE SINGLE CHANNEL GROUND AND AIRBORNE RADIO SYSTEM (SINCGARS) IS THE VHF-FM RADIO COMMUNICATIONS SYSTEM PROVIDING THE PRIMARY MEANS OF COMMAND AND CONTROL FOR INFANTRY, ARMOR, ARTILLERY, AND ARMY AVIATION UNITS. IT POSSESSES CAPABILITIES AND IMPROVEMENTS OVER THE 1960 TECHNOLOGY RADIOS IT REPLACES IN MANPACK, VEHICULAR, AND AIRBORNE CONFIGURATIONS. ITS FREQUENCY-HOPPING JAM RESISTANT CAPABILITY WILL OFFSET THE CURRENT THREAT OF JAMMING TECHNIQUES USED AGAINST THE EXISTING FAMILY OF FIXED FREQUENCY RADIOS. IT WILL ASSIST COMMANDERS IN CONDUCTING THE BATTLE ON THE MODERN BATTLEFIELD. SINCGARS IS USED IN SUCH SYSTEMS AS PATRIOT, M1A2 TANK IMPROVEMENT PROGRAM, AND APACHE.

JUSTIFICATION:
THE FY 96 PROGRAM WILL PROVIDE 18,953 GROUND RADIOS, 623 AIRBORNE RADIOS, AND 18,804 DATA TRANSFER DEVICES FOR FIELDING FORSCOM UNITS WITH SINCGARS AND FORCE PACKAGE 1 AND 2 UNITS WITH UPGRADED SINCGARS. THE FY 97 PROGRAM WILL PROVIDE 16,366 GROUND RADIOS, 623 AIRBORNE RADIOS, AND 24,893 DATA TRANSFER DEVICES AND ANCILLARY DEVICES FOR FIELDING FORSCOM UNITS WITH SINCGARS AND FORCE PACKAGE 1 AND 2 UNITS WITH UPGRADED SINCGARS.

WEAPON SYSTEM COST ANALYSIS EXHIBIT (P-5)		A. APPROPRIATION NO. OPA2 - Communications and Electronics Equipment			B. WEAPON MODEL/SERIES/POPULAR NAME SINCGARS GROUND (B00500)						C.MANUF Numerous See P5a	D. DATE February 1995	
WEAPONS SYSTEM COST ELEMENTS	IDENT CODE	UNIT COST	FY94 QTY	TOTAL COST	UNIT COST	FY95 QTY	TOTAL COST	UNIT COST	FY96 QTY	TOTAL COST	UNIT COST	FY97 QTY	TOTAL COST
1. ITEM HARDWARE	A												
GROUND HARDWARE		10 *	23,293	232,441	13 *	21,313	269,895	12 *	18,953	228,484	11 *	13,366	147,253
NAT'L GUARD										3,327			
2. ENGINEERING SPT CONTRACTS				25,656			13,304			18,400			6,416
3. ECP				10,082			22,089			6,602			2,800
4. GOVERNMENT ENGINEERING				25,825			7,835			8,654			6,385
5. PROJECT MGT ADMINISTRATION				2,340			3,149			3,243			2,800
6. DATA				1,083			1,334			1,372			710
7. FIELDING:													
TOTAL PACKAGE FIELDING				14,647			8,482			9,766			9,284
NEW EQUIPMENT TRAINING				2,047			4,126			4,250			2,215
* Unit costs have been rounded; exact unit costs can be found on P-5A.													
TOTAL			23,293	314,121		21,313	330,214		18,953	284,098		13,366	177,8

BUDGET PROCUREMENT HISTORY AND PLANNING EXHIBIT (P-5A)

A. DATE February 1995

B. APPROPRIATION/BUDGET ACTIVITY
Other Procurement, Army 2 - Communications and Electronics Equipment

C. P-1 ITEM NOMENCLATURE
SINCGARS GROUND (B00500)

LINE ITEM/FISCAL YEAR	CONTRACTOR & LOCATION	CONTRACT METHOD AND TYPE	CONTRACTED BY	AWARD DATE	DATE OF FIRST DELIVERY	QTY	UNIT COST	[illegible] AVAIL	SPEC REVIS REQD	IF YES, WHEN AVAIL
FY94	ITT FT. WAYNE, IND.	C/FPAF	CECOM	Apr 94	Jun 95	12,379	9,231	YES	NO	
FY94	GD TALLAHASSEE,FL	C/FPAF	CECOM	Apr 94	Aug 95	10,914	10,828	YES	NO	
FY95	TO BE SELECTED	C/FPAF	CECOM	Mar 95	Jun 96	9,612	12,577	YES	NO	
FY95	TO BE SELECTED	C/FPAF	CECOM	Mar 95	Aug 96	11,701	12,734	YES	NO	
FY96	TO BE SELECTED	C/FPAF	CECOM	Mar 96	Jun 97	9,477	11,238	YES	NO	
FY96	TO BE SELECTED	C/FPAF	CECOM	Mar 96	Aug 97	9,476	13,224	YES	NO	
FY97	TO BE SELECTED	C/FPAF M-5(1)	CECOM	Mar 97	Jun 98	13,366	11,017	YES	NO	

D. REMARKS:
The increase in unit costs in FY 95 is due to introduction of SIP(improved) radios.

PRODUCTION SCHEDULE (EXHIBIT P-21) | P-1 ITEM NOMENCLATURE: SINCGARS GROUND (B00500) | DATE: FEBRYARY ####

FAC NO.	S V C	PROCUREMENT QUANTITY: 93 PRIOR	FY 94	FY 95	FY 96	FY 97	FY	ACCEP PRIOR OCT	BAL DUE OCT
1	A	53200						41700	11500
2	A	21100						1800	19300
1	A		12379					0	12379
2	A		10914					0	10914
3	A			9612				0	9612
4	A			11701				0	11701
3	A				9477			0	9477
4	A				9476			0	9476
5	A					13366		0	13366
1	AF	1500						800	700
1	RC	3000						1900	1100
1	MC	9800						1600	8200
1	NG	4500						200	4300
2	NG	500						0	500
1	N	1300						120	1180
TOTAL		94900	23293	21313	18953	13366	0	48120	123705

	FISCAL YEAR 94												FISCAL YEAR 95											
	93	CALENDAR YEAR 94												CALENDAR YEAR 95										
	O	N	D	J	F	M	A	M	J	J	A	S	O	N	D	J	F	M	A	M	J	J	A	S
1	700	700	700	700	700	700	600	600	500	500	500	500	500	500	500	500	500	500	500	600				
2	300	400	500	500	600	600	700	700	700	700	700	700	700	1300	1300	1300	1300	1300	1300	1300	1200	1200		
1							A														908	1043	1043	1043
2							A																909	909
3																		A						
4																		A						
3																								
4																								
5																								
1	100	100	100	100	50	50	50	50	10	10	10	10	10	10	10	10	10	10						
1	100	100	100	100	100	200	200	200																
1	300	300	300	400	400	400	400	400	400	400	400	400	400	400	400	400	500	500	500	600				
1	50	50	100	100	100	100	100	100	300	300	300	300	300	300	300	300	300	300	300	300				
2													50	50	50	50	50	50	50	50	50	50		
1	30	30	30	30	30	30	50	50	70	70	70	70	70	70	70	70	70	70	100	100				
TOTAL	1580	1680	1830	1930	1980	2080	2100	2100	1980	1980	1980	1980	2030	2630	2630	2630	2730	2730	2750	2950	2158	2293	1952	1952
	O	N	D	J	F	M	A	M	J	J	A	S	O	N	D	J	F	M	A	M	J	J	A	S

TER: 0, 0, 8342, 9096, 9612, 11701, 9477, 9476, 13366, 0, 0, 0, 0, 0, 0, 71070

FAC	MAN NAME & LOC	MIN	185	MAX	REACHED
1	ITT, FT.WAYNE, IND	550	1375	1790	
2	GD, TALLAHASSEE, FLA	550	1375	1790	
3	TBS	550	1375	1790	
4	TBS	550	1375	1790	
5	TBS	550	1375	1790	

	PROCUREMENT LEAD TIME			
	ADMIN LEAD TIME		PRODUCTION	TOTAL AFTER 1-OCT
	PRIOR 1 OCT	AFTER 1 OCT		
INITIAL	2	5	14	19
REORDER	2	5	14	19

REMARKS

PAGE 4 OF 21

PRODUCTION SCHEDULE (EXHIBIT P-21) | P-1 ITEM NOMENCLATURE: SINCGARS GROUND (B00500) | DATE: FEBRUARY ####

FAC	SVC	PROCUREMENT QUANTITY 93 PRIOR	FY 94	FY 95	FY 96	FY 97	FY	ACCEP PRIOR OCT	BAL DUE OCT	LATER
1	MC		4539					0	4539	3027
1	N		135					0	135	91
2	AF		485					0	485	325
2	N		270					0	270	182
1	MC			6446				0	6446	6446
1	N			262				0	262	262
2	AF			211				0	211	211
2	N			176				0	176	176
2	NG			3150				0	3150	3150
1	MC				3236			0	3236	3236
1	N				193			0	193	193
2	AF				220			0	220	220
2	N				809			0	809	809
										0
										0
TOTAL		0	5429	10245	4458	0	0	0	20132	18328

FISCAL YEAR 94 / FISCAL YEAR 95

	CALENDAR YEAR 93	CALENDAR YEAR 94																CALENDAR YEAR 95								
	O	N	D	J	F	M	A	M	J	J	A	S	O	N	D	J	F	M	A	M	J	J	A	S	
1							A														378	378	378	378	
1							A														11	11	11	11	
2							A														40	40	40	40	
2							A														22	22	22	22	
1																		A							
1																		A							
2																		A							
2																		A							
2																		A							
1																									
1																									
2																									
2																									
TOTAL	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	451	451	451	451	
	O	N	D	J	F	M	A	M	J	J	A	S	O	N	D	J	F	M	A	M	J	J	A	S	

FAC	MAN NAME & LOC	MIN	IBS	MAX	REACHED
1	ITT, FT. WAYNE, IND	550	1375	1780	
2	GD, TALAHASSEE, FLA	550	1375	1780	
3					
4					
5					

	PROCUREMENT LEAD TIME			
	ADMIN LEAD TIME		PRODUCTION	TOTAL AFTER 1-OCT
	PRIOR 1 OCT	AFTER 1 OCT		
INITIAL	2	5	14	19
REORDER	2	5	14	19

REMARKS

PRODUCTION SCHEDULE (EXHIBIT P-21) | P-1 ITEM NOMENCLATURE: SINCGARS GROUND (B00500) | DATE: FEBRUARY ####

FAC NO.	S V C	PROCUREMENT QUANTITY: 93 PRIOR	FY 94	FY 95	FY 96	FY 97	FY 98	ACCEP PRIOR OCT	BAL DUE OCT
1	MC					1970		0	1970
1	N					192		0	192
2	AF					309		0	309
2	N					800		0	800
TOTAL		0	0	0	0	3271	0	0	3271

FISCAL YEAR 94																		FISCAL YEAR 95												L T E R
93			CALENDAR YEAR 94															CALENDAR YEAR 95												
O	N	D	J	F	M	A	M	J	J	A	S	O	N	D	J	F	M	A	M	J	J	A	S	
																														1970
																														192
																														309
																														800
																														0
																														0
																														0
																														0
																														0
																														0
																														0
																														0
																														0
																														0
																														0
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	3271
O	N	D	J	F	M	A	M	J	J	A	S	O	N	D	J	F	M	A	M	J	J	A	S	

FAC	MAN NAME & LOC	MIN	IBS	MAX	REACHED
1	ITT, FT. WAYNE, IND	550	1375	1790	
2	GD, TALAHASSEE, FLA	550	1375	1780	

	PROCUREMENT LEAD TIME			
	ADMIN LEAD TIME		PRODUCTION	TOTAL AFTER 1-OCT
	PRIOR 1 OCT	AFTER 1 OCT		
INITIAL	2	5	14	19
REORDER	2	5	14	19

REMARKS

PRODUCTION SCHEDULE (EXHIBIT P-21)

P-1 ITEM NOMENCLATURE SINCGARS GROUND (B00500) DATE FEBRUARY ####

FAC NO.	S V C	PROCUREMENT QUANTITY 93 PRIOR	FY 94	FY 95	FY 96	FY 97	FY	ACCEP PRIOR OCT	BAL DUE OCT	FISCAL YEAR 96 / CALENDAR YEAR 96 95														FISCAL YEAR 97 / CALENDAR YEAR 97									LATER
										O	N	D	J	F	M	A	M	J	J	A	S	O	N	D	J	F	M	A	M	J	J	A	S	
1	A	53200						53200	0																								0
2	A	21100						21100	0																								0
1	A		12379					4037	8342	1043	1043	1043	1043	1043	1043	1042	1042																0
2	A		10914					1818	9096	909	909	909	909	909	909	909	909	909	915														0
3	A			9612				0	9612									801	801	801	801	801	801	801	801	801	801	801					0
4	A			11701				0	11701											975	975	975	975	975	975	975	975	975	975	976			0
3	A				9477			0	9477								A												789	789	789	789	6321
4	A				9476			0	9476								A														789	789	7898
5	A					13366		0	13366																	A							13366
1	AF	1500						1500	0																								0
1	RC	3000						3000	0																								0
1	MC	9800						9800	0																								0
1	NG	4500						4500	0																								0
2	NG	500						500	0																								0
1	N	1300						1300	0																								0
TOTAL		94900	23293	21313	18953	13366	0	100755	71070	1952	1952	1952	1952	1952	1952	1951	1951	1710	1716	1776	1776	1776	1776	1776	1776	1776	1776	1776	1784	1765	1578	1578	27585
										O	N	D	J	F	M	A	M	J	J	A	S	O	N	D	J	F	M	A	M	J	J	A	S	

FAC	MAN NAME & LOC	MIN	IBS	MAX	REACHED
1	ITT, FT WAYNE, IND	550	1375	1790	
2	GD, TALLAHASEE, FLA	550	1375	1790	
3	TBS	550	1375	1790	
4	TBS	550	1375	1790	
5	TBS	550	1375	1790	

	PROCUREMENT LEAD TIME			
	ADMIN LEAD TIME		PRODUCTION	TOTAL AFTER 1-OCT
	PRIOR 1 OCT	AFTER 1 OCT		
INITIAL	2	5	14	19
REORDER	2	5	14	19

REMARKS

PAGE 7 OF 21

PRODUCTION SCHEDULE (EXHIBIT P-21) | P-1 ITEM NOMENCLATURE: SINCGARS GROUND (B00500) | DATE: FEBRUARY ####

FAC (D)	SVC	PROCUREMENT QUANTITY 93 PRIOR	FY 94	FY 95	FY 96	FY 97	FY 98	ACCEP PRIOR OCT	BAL DUE OCT
1	MC		4539					1512	3027
1	N		135					44	91
2	AF		485					160	325
2	N		270					88	182
1	MC			6446				0	6446
1	N			262				0	262
2	AF			211				0	211
2	N			176				0	176
2	NG			3150				0	3150
1	MC				3236			0	3236
1	N				193			0	193
2	AF				220			0	220
2	N				809			0	809
TOTAL		0	5429	10245	4458	0	0	1804	18328

FISCAL YEAR 96 | FISCAL YEAR 97

CALENDAR YEAR 95 | CALENDAR YEAR 96 | CALENDAR YEAR 97

	O	N	D	J	F	M	A	M	J	J	A	S	O	N	D	J	F	M	A	M	J	J	A	S	LER
1 MC	378	378	378	378	378	379	379	379																	0
1 N	11	11	11	11	11	12	12	12																	0
2 AF	40	40	40	41	41	41	41	41																	0
2 N	22	22	23	23	23	23	23	23																	0
1 MC									537	537	537	537	537	537	537	537	537	537	538	538					0
1 N									22	22	22	22	22	22	22	22	22	22	21	21					0
2 AF									17	17	17	17	17	18	18	18	18	18	18	18					0
2 N									15	15	15	15	15	15	15	15	14	14	14	14					0
2 NG									263	263	263	263	263	263	262	262	262	262	262	262					0
1 MC						A															270	270	270	270	2156
1 N						A															16	16	16	16	129
2 AF						A															18	18	18	18	148
2 N						A															67	67	67	67	541
																									0
																									0
TOTAL	451	451	452	453	453	455	455	455	854	854	854	854	854	855	854	854	853	853	853	853	371	371	371	371	2974
	O	N	D	J	F	M	A	M	J	J	A	S	O	N	D	J	F	M	A	M	J	J	A	S	

FAC	MAN NAME & LOC	MIN	185	MAX	REACHED
1	ITT, FT. WAYNE, IND	550	1375	1790	
2	GD, TALLAHASSEE, FLA	550	1375	1790	

	PROCUREMENT LEAD TIME			
	ADMIN LEAD TIME		PRODUCTION	TOTAL AFTER 1-OCT
	PRIOR 1 OCT	AFTER 1 OCT		
INITIAL	2	5	14	19
REORDER	2	5	14	19

REMARKS

PRODUCTION SCHEDULE (EXHIBIT P-21) | P-1 ITEM NOMENCLATURE: SINCGARS GROUND (B00500) | DATE: FEBRUARY ####

FAC	SVC	PROCUREMENT QUANTITY 93 PRIOR	FY 94	FY 95	FY 96	FY 97	FY 98	ACCEP PRIOR OCT	BAL DUE OCT
1	MC					1970		0	1970
1	N					192		0	192
2	AF					309		0	309
2	N					800		0	800
TOTAL		0	0	0	0	3271	0	0	3271

	FISCAL YEAR 96												FISCAL YEAR 97												LATBR
	CALENDAR YEAR 95			CALENDAR YEAR 96									CALENDAR YEAR 97												
	O	N	D	J	F	M	A	M	J	J	A	S	O	N	D	J	F	M	A	M	J	J	A	S	
1 MC																		A							1970
1 N																		A							192
2 AF																		A							309
2 N																		A							800
																									0
																									0
																									0
																									0
																									0
																									0
																									0
																									0
																									0
																									0
																									0
TOTAL	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	3271
	O	N	D	J	F	M	A	M	J	J	A	S	O	N	D	J	F	M	A	M	J	J	A	S	

FAC	MAN NAME & LOC	MIN	IBS	MAX	REACHED
1	ITT, FT. WAYNE, IND	550	1375	1780	
2	GD, TALLAHASSEE, FLA	550	1375	1780	

	PROCUREMENT LEAD TIME			
	ADMIN LEAD TIME		PRODUCTION	TOTAL AFTER 1-OCT
	PRIOR 1 OCT	AFTER 1 OCT		
INITIAL	2	5	14	19
REORDER	2	5	14	19

REMARKS

PRODUCTION SCHEDULE (EXHIBIT P-21)

P-1 ITEM NOMENCLATURE: SINCGARS GROUND (B00500) DATE: FEBRUARY 95

FAC NO.	S V C	PROCUREMENT QUANTITY 93 PRIOR	FY 94	FY 95	FY 96	FY 97	FY	ACCEP PRIOR OCT	BAL DUE OCT
1	A	53200						53200	0
2	A	21100						21100	0
1	A		12379					12379	0
2	A		10914					10914	0
3	A			9612				9612	0
4	A			11701				11701	0
3	A				9477			3156	6321
4	A				9476			1578	7898
5	A					13366		0	13366
1	AF	1500						1500	0
1	RC	3000						3000	0
1	MC	9800						9800	0
1	NG	4500						4500	0
2	NG	500						500	0
1	N	1300						1300	0
									0
TOTAL		94900	23293	21313	18953	13366	0	144240	27585

	FISCAL YEAR 98												FISCAL YEAR 99											
	97	CALENDAR YEAR 98											CALENDAR YEAR 99											TBR
	O	N	D	J	F	M	A	M	J	J	A	S	O	N	D	J	F	M	A	M	J	J	A	S	
1	789	789	789	789	789	789	789	798																	0
2	789	789	789	789	789	789	789	789	789	797															0
3									800	800	1176	1176	1176	1176	1176	1176	1176	1176	1176	1182					0
4	1578	1578	1578	1578	1578	1578	1578	1587	1589	1597	1176	1176	1176	1176	1176	1176	1176	1176	1176	1182	0	0	0	0	0
	O	N	D	J	F	M	A	M	J	J	A	S	O	N	D	J	F	M	A	M	J	J	A	S	

FAC	MAN NAME & LOC	MIN	IBS	MAX	REACHED
1	ITT, FT. WAYNE, IND	550	1375	1790	
2	GD, TALLAHASSEE, FLA	550	1375	1790	
3	TBS	550	1375	1790	
4	TBS	550	1375	1790	
5	TBS	550	1375	1790	

	PROCUREMENT LEAD TIME			
	ADMIN LEAD TIME		PRODUCTION	TOTAL AFTER 1-OCT
	PRIOR 1 OCT	AFTER 1 OCT		
INITIAL	2	5	14	19
REORDER	2	5	14	19

REMARKS

PRODUCTION SCHEDULE (EXHIBIT P-21)

P-1 ITEM NOMENCLATURE SINCGARS GROUND (B00500) DATE FEBRUARY ####

FA	C	PROCUREMENT QUANTITY 93 PRIOR	FY 94	FY 95	FY 96	FY 97	FY 98	ACCEP PRIOR OCT	BAL DUE OCT
1	MC		4539					4539	0
1	N		135					135	0
2	AF		485					485	0
2	N		270					270	0
1	MC			6446				6446	0
1	N			262				262	0
2	AF			211				211	0
2	N			176				176	0
2	NG			3150				3150	0
1	MC				3236			1080	2156
1	N				193			64	129
2	AF				220			72	148
2	N				809			268	541
TOTAL		0	5429	10245	4458	0	0	####	2974

	FISCAL YEAR 98												FISCAL YEAR 99												LATER
	97	CALENDAR YEAR 98											CALENDAR YEAR 99												
	O	N	D	J	F	M	A	M	J	J	A	S	O	N	D	J	F	M	A	M	J	J	A	S	
1 MC																									0
1 N																									0
2 AF																									0
2 N																									0
1 MC																									0
1 N																									0
2 AF																									0
2 N																									0
2 NG																									0
1 MC	270	270	270	270	269	269	269	269																	0
1 N	16	16	16	16	16	16	16	17																	0
2 AF	18	18	18	18	19	19	19	19																	0
2 N	67	67	67	68	68	68	68	68																	0
																									0
																									0
TOTAL	371	371	371	372	372	372	372	373	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	O	N	D	J	F	M	A	M	J	J	A	S	O	N	D	J	F	M	A	M	J	J	A	S	

FAC	MAN NAME & LOC	MIN	185	MAX	REACHED
1	ITT, FT. WAYNE, IND	550	1375	1790	
2	GD, TALLAHASSEE, FLA	550	1375	1790	

	PROCUREMENT LEAD TIME			
	ADMIN LEAD TIME		PRODUCTION	TOTAL AFTER 1-OCT
	PRIOR 1 OCT	AFTER 1 OCT		
INITIAL	2	5	14	19
REORDER	2	5	14	19

REMARKS

PRODUCTION SCHEDULE (EXHIBIT P-21) | P-1 ITEM NOMENCLATURE: SINCGARS GROUND (B00500) | DATE: FEBRUARY ####

FAC NO.	S V C	PROCUREMENT QUANTITY: 93 PRIOR	FY 94	FY 95	FY 96	FY 97	FY 98	ACCEP PRIOR OCT	BAL DUE OCT
1	MC					1970		0	1970
1	N					192		0	192
2	AF					309		0	309
2	N					800		0	800
TOTAL		0	0	0	0	3271	0	0	3271

	FISCAL YEAR 98																FISCAL YEAR 99										L A R
	97	CALENDAR YEAR 98															CALENDAR YEAR 99										
	O	N	D	J	F	M	A	M	J	J	A	S	O	N	D	J	F	M	A	M	J	J	A	S	
1 MC									164	164	164	164	164	164	164	164	164	164	165	165					0
1 N									16	16	16	16	16	16	16	16	16	16	16	16					0
2 AF									26	26	26	26	26	26	26	26	26	25	25	25					0
2 N									67	67	67	67	67	67	67	67	66	66	66	66					0
TOTAL	0	0	0	0	0	0	0	0	273	273	273	273	273	273	273	273	272	271	272	272	0	0	0	0	0
	O	N	D	J	F	M	A	M	J	J	A	S	O	N	D	J	F	M	A	M	J	J	A	S	

FAC	MAN NAME & LOC	MIN	185	MAX	REACHED
1	ITT, FT. WAYNE, IND	550	1375	1790	
2	GD, TALLAHASSEE, FLA	550	1375	1790	

	PROCUREMENT LEAD TIME			
	ADMIN LEAD TIME		PRODUCTION	TOTAL AFTER 1-OCT
	PRIOR 1 OCT	AFTER 1 OCT		
INITIAL	2	5	14	19
REORDER	2	5	14	19

REMARKS

WEAPON SYSTEM COST ANALYSIS EXHIBIT (P-5)		A. APPROPRIATION NO. OPA2 - Communications and Electronics Equipment			B. WEAPON MODEL/SERIES/POPULAR NAME SINCGARS AIRBORNE (J30500)						C.MANUF ITT	D. DATE February 1995	
WEAPONS SYSTEM COST ELEMENTS	IDENT CODE	UNIT COST	FY94 QTY	TOTAL COST	UNIT COST	FY95 QTY	TOTAL COST	UNIT COST	FY96 QTY	TOTAL COST	UNIT COST	FY97 QTY	TOTAL COST
1. ITEM HARDWARE	A												
AIRBORNE HARDWARE		15 *	926	13,803	16 *	926	14,744	16 *	623	10,119	17 *	623	10,476
2. DATA				133			138			142			147
3. GOVERNMENT ENGINEERING				158			165			171			177
4. PROJ MGT ADMINISTRATION				150			154			160			166
5. ECP				863			513			203			210
6. FIELDING													
TOTAL PACKAGE FIELDING				207			210			220			230
7. ENGINEERING SUPPORT				5,302			4,894			1,565			1,197
* Unit costs have been rounded; exact unit costs can be found on P-5A.													
TOTAL			926	20,616		926	20,818		623	12,580		623	12,603

BUDGET PROCUREMENT HISTORY AND PLANNING EXHIBIT (P-5A)

A. DATE: Feb 1995

B. APPROPRIATION/BUDGET ACTIVITY
Other Procurement, Army 2 - Communications and Electronics Equipment

C. P-1 ITEM NOMENCLATURE
SINCGARS AIRBORNE (J30500)

LINE ITEM/FISCAL YEAR	CONTRACTOR & LOCATION	CONTRACT METHOD AND TYPE	CONTRACTED BY	AWARD DATE	DATE OF FIRST DELIVERY	QTY.	UNIT COST	SPECS AVAIL NOW	SPEC REVIS REQD	IF YES, WHEN AVAIL
FY94	ITT FT. WAYNE, IND	SS/FFP	CECOM	Mar 94	Jun 95	926	14,906	YES	NO	
FY95	ITT FT. WAYNE, IND	SS/FFP/OPT	CECOM	Mar 95	Jun 96	926	15,922	YES	NO	
FY96	ITT FT. WAYNE, IND	SS/FFP/OPT	CECOM	Mar 96	Jun 97	623	16,242	YES	NO	
FY97	ITT FT. WAYNE, IND	SS/FFP/OPT	CECOM	Mar 97	Jun 98	623	16,815	YES	NO	

D. REMARKS:

PRODUCTION SCHEDULE (EXHIBIT P-21)

P-1 ITEM NOMENCLATURE: SINCGARS AIRBORNE (J30500) DATE: FEBRUARY ####

FAC	S/C	PROCUREMENT QUANTITY 93 PRIOR	FY 94	FY 95	FY 96	FY 97	FY	ACCEP PRIOR OCT	BAL DUE OCT
1	A	5402						4177	1225
1	NG	33						0	33
1	A		926					0	926
1	A			926				0	926
1	A				623			0	623
1	A					623		0	623
1	N			12				0	12
1	N					48		0	48
TOTAL		5435	926	938	623	671	0	4177	4416

FISCAL YEAR 94																		FISCAL YEAR 95									LATER
93	CALENDAR YEAR 94																	CALENDAR YEAR 95									
O	N	D	J	F	M	A	M	J	J	A	S	O	N	D	J	F	M	A	M	J	J	A	S	
77	77	77	77	77	78	78	78	38	39	55	56	56	56	56	50	50	50	50	50					0
								17	16															0
					A															77	77	77	77	618
																	A							926
																								623
																								623
																	A							12
																								48
																								0
																								0
																								0
																								0
																								0
																								0
																								0
77	77	77	77	77	78	78	78	55	55	55	56	56	56	56	50	50	50	50	50	77	77	77	77	2850
O	N	D	J	F	M	A	M	J	J	A	S	O	N	D	J	F	M	A	M	J	J	A	S	

FAC	MAN NAME & LOC	MIN	IOC	MAX	REACHED
1	ITT FT WAYNE, IND	60	150	195	

	PROCUREMENT LEAD TIME			
	ADMIN LEAD TIME		PRODUCTION	TOTAL AFTER 1-OCT
	PRIOR 1 OCT	AFTER 1 OCT		
INITIAL	2	5	14	19
REORDER	2	5	14	19

REMARKS

AIRBORNE RADIO

PAGE 15 OF 21

PRODUCTION SCHEDULE (EXHIBIT P-21)

P-1 ITEM NOMENCLATURE: SINCGARS AIRBORNE (J30500) DATE: FEBRUARY ####

FAC NO.	SVC	PROCUREMENT QUANTITY 93 PRIOR	FY 94	FY 95	FY 96	FY 97	FY	ACCEP PRIOR OCT	BAL DUE OCT
1	A	5402						5402	0
1	NG	33						33	0
1	A		926					308	618
1	A			926				0	926
1	A				623			0	623
1	A					623		0	623
1	N			12				0	12
1	N					48		0	48
TOTAL		5435	926	938	623	671	0	5743	2850

	FISCAL YEAR 96													FISCAL YEAR 97											
	95	CALENDAR YEAR 96												CALENDAR YEAR 97											
	O	N	D	J	F	M	A	M	J	J	A	S	O	N	D	J	F	M	A	M	J	J	A	S	LAR
1	77	77	77	77	77	77	77	79																	0
1									79	77	77	77	77	77	77	77	77	77	77	77					0
1						A															51	52	52	52	416
1																		A							623
1									3	3	3	3													0
1																		A							48
TOTAL	77	77	77	77	77	77	77	79	82	80	80	80	77	77	77	77	77	77	77	77	51	52	52	52	1087
	O	N	D	J	F	M	A	M	J	J	A	S	O	N	D	J	F	M	A	M	J	J	A	S	

FAC	MAN NAME & LOC	MIN	185	MAX	REACHED
1	FT FT. WAYNE, IND	60	150	195	

	PROCUREMENT LEAD TIME				
	ADMIN LEAD TIME			PRODUCTION	TOTAL AFTER 1-OCT
	PRIOR 1 OCT	AFTER 1 OCT			
INITIAL	2	5		14	19
REORDER	2	5		14	19

REMARKS

AIRBORNE RADIO

PAGE 16 OF 21

PRODUCTION SCHEDULE (EXHIBIT P-21) | P-1 ITEM NOMENCLATURE: SINCGARS AIRBORNE (J30500) | DATE: FEBRUARY ####

FAC	S C	PROCUREMENT QUANTITY: 93 PRIOR	FY 94	FY 95	FY 96	FY 97	FY 98	ACCEP PRIOR OCT	BAL DUE OCT
1	A	5402						5402	0
1	NG	33						33	0
1	A		926					926	0
1	A			926				926	0
1	A				623			207	416
1	A					623		0	623
1	N			12				12	0
1	N					48		0	48
TOTAL		5435	926	938	623	671	0	7506	1087

FISCAL YEAR 98																FISCAL YEAR 99										LATER
97			CALENDAR YEAR 98													CALENDAR YEAR 99										
O	N	D	J	F	M	A	M	J	J	A	S	O	N	D	J	J	F	M	A	M	J	J	A	S	
																										0
																										0
																										0
																										0
																										0
52	52	52	52	52	52	52	52																			0
								51	52	52	52	52	52	52	52	52	52	52	52	52						0
								5	4	4	4	4	4	4	4	4	4	4	3							0
																										0
																										0
																										0
																										0
																										0
																										0
52	52	52	52	52	52	52	52	56	56	56	56	56	56	56	56	56	56	56	55	0	0	0	0	0		0
O	N	D	J	F	M	A	M	J	J	A	S	O	N	D	J	F	M	A	M	J	J	A	S			

FAC	MAN NAME & LOC	MIN	IBS	MAX	REACHED
1	ITT FT. WAYNE, IND	60	150	195	

	PROCUREMENT LEAD TIME			
	ADMIN LEAD TIME		PRODUCTION	TOTAL AFTER 1-OCT
	PRIOR 1 OCT	AFTER 1 OCT		
INITIAL	2	5	14	19
REORDER	2	5	14	19

REMARKS

AIRBORNE RADIO

WEAPON SYSTEM COST ANALYSIS EXHIBIT (P-5)		A. APPROPRIATION NO. OPA2 - Communications and Electronics Equipment			B. WEAPON MODEL/SERIES/POPULAR NAME BATTLEFIELD ELECTRONICS COMM SYS (BECS)						C.MANUF Numerous See P5a	D. DATE February 1995	
WEAPONS SYSTEM COST ELEMENTS	IDENT CODE	$ UNIT COST	FY94 QTY	$K TOTAL COST	$ UNIT COST	FY95 QTY	$K TOTAL COST	$ UNIT COST	FY96 QTY	$K TOTAL COST	$ UNIT COST	FY97 QTY	$K TOTAL COST
1. HARDWARE	A												
LIGHTWEIGHT COMPUTER UNIT	-	20	200	4,024									
DATA TRANSFER DEVICE	-	619	20,000	12,386	696	8,529	5,936	727	16,685	12,130	727	22,092	16,061
2. GOV'T ENGINEERING	-			343			1,036			747			785
3. DOCUMENTATION	-			58			58			70			74
4. FIELDING	-			585			592			995			1,045
5. LRIP DTD UPGRADE	-				133	22,452	2,992						
6. PRODUCTION DTD UPGRADE	-				50	62,083	3,104						
UNIT COSTS HAVE BEEN ROUNDED EXACT UNIT COSTS CAN BE FOUND ON P5A													
THE P1 QUANTITY HAS NOT BEEN UPDATED TO REFLECT THE LATEST PROJECTIONS.			20,200	17,396		93,064	13,718		16,685	13,942		22,092	17

BUDGET PROCUREMENT HISTORY AND PLANNING EXHIBIT (P-5A)

A. DATE: February 1995

B. APPROPRIATION/BUDGET ACTIVITY
Other Procurement, Army 2 - Communications and Electronics Equipment

C. P-1 ITEM NOMENCLATURE
BATTLEFIELD ELECTRONICS COMM SYS (BECS)

LINE ITEM/FISCAL YEAR	CONTRACTOR & LOCATION	CONTRACT METHOD AND TYPE	CONTRACTED BY	AWARD DATE	DATE OF FIRST DELIVERY	QTY	UNIT COST	SPECS AVAIL NOW	SPEC REVIS REQD	IF YES, WHEN AVAIL
1. LIGHTWEIGHT COMPUTER UNIT										
FY 1994	SAIC MACLEAN, VA	C/FP/OPT	CECOM	Mar 94	Sep 94	200	20,100	YES	NO	
2. DATA TRANSFER DEVICE										
FY 1994	ALLIED SIGNAL TOWSON, MD	C/FP/OPT	NSA	Mar 94	May 95	20,000	619,250	YES	NO	
FY 1995	ALLIED SIGNAL TOWSON, MD	C/FP/OPT	NSA	Mar 95	May 96	8,529	696,000	YES	NO	
FY 1996	TBS	C/FP	NSA	Mar 96	May 97	16,685	727,000	YES	NO	
FY 1997	TBS	C/FP/OPT	NSA	Mar 97	May 98	22,092	727,000	YES	NO	

D. REMARKS:

UNCLASSIFIED

REPORTS CONTROL SYMBOL
DD-COMP(AR)1092

PRODUCTION SCHEDULE

DATE February 1995

APPROPRIATION / BUDGET ACTIVITY
Other Procurement: Army 2
Communications and Electronics Equipment

P-1 ITEM NOMENCLATURE
BATTLEFIELD ELECTRONICS COMN SYS (BECS)

(216800)

FACILITY NO	U/M	SERV	PROGRAM QUANTITY FY 94	FY 95	FY 96	FY 97	FY	FY	ACCEP PRIOR TO 1 OCT	PAL DUE AS OF 1 OCT	FISCAL YEAR 94 / CALENDAR YEAR 94 OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT
LCU																							
1		A	65							65	9	9	9	9	9	10	10				16	16	16
1		A	200							200													
DTD																							
2		A	950							950													
2		A	20000							20000						A							
2		A		8529						8529													
2		A			16685					16685													
2		A				22092				22092													
TOTAL MONTHLY PRODUCTION									0	68521	9	9	9	9	9	10	10	0	0	0	16	16	16
											OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT

FACILITY NO	U/M	SERV	FISCAL YEAR 95 / CALENDAR YEAR 95 NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
LCU																
1		A	16	17	17	17	17	17	17	17	17					
1		A														
DTD																
2		A	25	75	125	250	250	225	500	1000	1500	2000	2000	2000	2000	2000
2		A					A									
2		A														
2		A														
2		A														
			41	92	142	267	267	242	517	1017	1517	2000	2000	2000	2000	2000
			NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC

FACILITY NO	U/M	SERV	FISCAL YEAR 96 / CALENDAR YEAR 96 JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	LATER
LCU												0
1		A										0
1		A										0
DTD												0
2		A	2000	2000	2000	1000						0
2		A			A		710	710	710	711	711	4977
2		A										16685
2		A										22092
2		A										0
												0
												0
												0
												0
												0
			2000	2000	2000	1000	710	710	710	711	711	43754
			JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	

FACILITY NO	MANUFACTURERS NAME & LOCATION	PRODUCTION RATES MIN SUST	1-0-5	MAXIMUM	MONTHS TO REACH MAX AFTER D-DAY
1	SAIC, VA	5	17	25	
2	ALLIED SIGNAL, MD	25	1391	2000	

PROCUREMENT LEAD TIME

	ADMIN LEAD TIME PRIOR 1 OCT	ADMIN LEAD TIME AFTER 1 OCT	MANUFACTURING TIME	TOTAL AFTER 1 OCT
INITIAL				
REORDER				

REMARKS

PROCUREMENT LEAD TIME

PROGRAM	ADMIN LEAD TIME	MFG TIME	TOTAL
LCU	2	6	8
DTD INITIAL	2	18	20
REORDER	2	14	16

UNCLASSIFIED

REPORTS CONTROL SYMBOL
DD-COMP(AR)1092

PRODUCTION SCHEDULE

DATE February 1995

APPROPRIATION / BUDGET ACTIVITY
Other Procurement: Army 2
Communications and Electronics Equipment

P-1 ITEM NOMENCLATURE
BATTLEFIELD ELECTRONICS COMM SYS (BECS)
(216800)

FACILITY NO	U/M	SERV	PROGRAM QUANTITY FY 94	FY 95	FY 96	FY 97	FY	FY	ACCEP PRIOR TO 1 OCT	BAL DUE AS OF 1 OCT	FISCAL YEAR 97												FISCAL YEAR 98												FISCAL YEAR 99												LATER
											CALENDAR YEAR 97												CALENDAR YEAR 98												CALENDAR YEAR 99												
											OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	
DTD																																															
1		A		8529					3552	4977	711	711	711	711	711	711	711	1390	1390	1390	1390	1390	1390	1390	1391	1391	1391	1391	1391	1841	1841	1841	1841	1841	1841	1841	1841	1841	1841	1841	1841	1841	0	0	0	0	0	0
1		A			16685					16685						A																														
1		A				22092				22092																																				
TOTAL MONTHLY PRODUCTION									3552	43754	711	711	711	711	711	711	711	1390	1390	1390	1390	1390	1390	1390	1391	1391	1391	1391	1391	1841	1841	1841	1841	1841	1841	1841	1841	1841	1841	1841	1841	1841	0	0	0	0	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	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	

FACILITY NO	MANUFACTURERS NAME & LOCATION	PRODUCTION RATES MIN SUST	1-8-5	MAXIMUM	MONTHS TO REACH MAX AFTER D-DAY
1	ALLIED SIGNAL, MD	50	1391	2000	

PROCUREMENT LEAD TIME

	ADMIN LEAD TIME PRIOR 1 OCT	ADMIN LEAD TIME AFTER 1 OCT	MANUFACTURING TIME	TOTAL AFTER 1 OCT
INITIAL		2	18	20
REORDER		2	14	16

REMARKS

Date: 1 January 1994

MULTIYEAR PROCUREMENT CRITERIA

Program: SINGLE CHANNEL GROUND AND AIRBORNE RADIO SYSTEM (SINCGARS)

The procurement will procure 63,461 Receiver/Transmitters and other items for the Army (72,326 for all of DOD) during the five years FY 97 through FY 2001 in a single multiyear contract.

CRITERIA

1. Benefit to the Government. Estimated cost savings of $66.3 million, or 10% of Army contract costs, are forecasted. The current version of SINCGARS replaces the obsolete AN/VRC-12 radio. The SINCGARS provides combat net radios to the soldier with VHF-FM frequency hopping voice and data communications for primary tactical command and control.

a. Savings and Cost Avoidance: There are two primary sources of savings:

Vendor Procurement	$51.4M
Inflation	$14.9M
Total	$66.3M

Vendor Procurement: By contracting for five years of material instead of in annual increments, significant savings in material costs can be achieved, since the contractor can enter into agreements with his suppliers to procure material in more economic order quantities.

Inflation. Inflation savings result from the contract being awarded during the first year of the term, with the costs being averaged over the five year period. This minimizes the effects of "out-year" costs.

b. Impact on Industrial Base.

Improved Competition. The firm fixed price limited competitive multiyear SINCGARS Ground production program is a follow-on to the limited competitive SINCGARS ground production program. The multiyear program will buy out the remaining Army Authorized Objective (AAO) of approximately 63,000 radios (72,000 for all DOD). Level III drawings will be available at the end of this procurement for the lifetime suppport of the fielded radios. A multiyear procurement is required to provide economic order quantities sufficient to sustain a manufacturer for the final buyout of the SINCGARS program. Insufficient quantities remain to be procured to sustain two manufacturers.

Enhanced Investment. Previous government investment in facilitization will significantly reduce nonrecurring capital costs.

Improvement in Vendor Skill Levels. The ability for contractors, subcontractors, and vendors to procure meterials in quantities that exceed annual end item production requirements will provide the government with a better competitive price. Items such as cables, installation kits, and antennas will continue to be procured through a separate acquisition thereby providing work to many vendors.

Training Program. The two contractors (first and second source) for SINCGARS have acquired a substantial knowledge base in radio communications that is evidenced in their ability to incorporate system improvements to the current version of SINCGARS. An approved multiyear program will enable the winning source to continue to maintain their existing trained workforce. Multiyear contracting will provide sufficient production quantities to be built to sustain production skills.

Progress Payment Changes. Multiyear procurement will allow for 90% progress payments. This would reduce contractor investment risk and provide incentive to subcontractors and vendors.

Use of vendor multiyear contracts. The proposed multiyear program for SINCGARS would be a five year buyout and demonstrate the commitment of the Army to replace the remaining obsolete AN/VRC-12 radios for Force Package 1 and 2 units. This program will provide the ability for contractors and vendors to procure materials in advance and provide the government with a better competitive price.

Increased Production Capability. A five year multiyear program will allow the contractor to sustain production capability for the current DOD requirement and for meeting the Army's future needs.

2. Stability of Requirement. To complete the Authorized Army Objective (AAO), the Army needs to procure approximately 63,000 additional radios, with other service requirements bringing the total to over 72,000 for DOD. Any delay in this program will result in the continued use of obsolete VRC-12 radios which have poor reliability and are rapidly becoming unsupportable due to technical obsolescence.

3. Stability of Funding. The Department of the Army has mandated that all AN/vrc-12 radios will be replaced; thererfore, the risk that funding will not be stable is low.

4. Stable Configuration. The SINCGARS radios produced by GD and ITT are in rate production. At the start of this procurement delivery, production will have been ongoing for five years for GD and seven years for ITT. The configuration is stable and is being produced at the rate of 1,000+ radios per month from both producers.

5. Degree of Cost Confidence. A limited competitive contract was awarded to the two sources in April 1994 for approximately 28,000 radios. Based on this award there is a high cost confidence for the SINCGARS for future work. There are two more single year limited competitive acquisitions planned before the multiyear program begins.

6. Degree of Confidence in Contractor Capability. There is high confidence in the ability of the two contractors to produce and deliver the SINCGARS, as demonstrated by continuus high rate production currently in progress

ACQUISITION STRATEGY COMPARATIVE SUMMARY

($ in Millions)

Program SINCGARS

	ANNUAL CONTRS	MYP ALTERNATE
NR units	63461	63461
Total Contract Price	$660.05	$593.77
Cancellation Ceiling	0	0
$ Cost Avoidance Over Annual	$66.27	
% Cost Avoidance Over Annual	10.0	
Risk Related Factors		
- Requirement Stability	LOW	
- Funding Stability	LOW	
- Config Stability	LOW	
- Cost Confidence	LOW	

Exhibit MYP - 2 Acquisition Strategy Comparative Summary

Quantity						
Annual Program	16366	16495	8600	10600	11400	63461
End Item	218.938	220.862	142.072	170.474	183.755	936.101
Less Advance Funding P-1 Line Item	0	0	0	0	0	0
Net Request	218.938	220.862	142.072	170.474	183.755	936.101
Advanced Funding	0	0	0	0	0	0
Total Annual Cost	218.938	220.862	142.072	170.474	183.755	936.101
Multiyear Program						
End Item	226.75	224.632	123.308	143.859	151.278	869.827
Less Advance Funding	0	0	0	0	0	0
Net Request	226.75	224.632	123.308	143.859	151.278	869.827
Advanced Funding						
(For FY 97)						
(For FY 98)	0					
(For FY 99)	0	0				
(For FY 00)	0	0	0			
Total	0	0	0	0	0	
Total Multiyear Cost	226.75	224.632	123.308	143.859	151.278	869.827

Savings A "+" sign should be used when the multiyear cost is less than the annual cost and a "-" sign when the multiyear cost is greater than the annual cost.

Outlays	FY 97	FY 98	FY 99	FY 00	FY 01	FY 02	FY 03	FY 04	FY 05	FY 06	TOTAL
Annual	21.237	92.579	147.521	161.776	165.206	159.846	103.384	50.804	22.724	11.024	936.101
Multiyear	21.995	95.483	149.136	155.468	149.257	139.35	88.699	42.444	18.918	9.077	869.827
Savings	-0.758	-2.904	-1.615	6.308	15.949	20.496	14.685	8.36	3.806	1.947	66.274

	FY 97	FY 98	FY 99	FY 00	FY 01	TOTAL
Quantity	16366	16495	86	10600	11400	63461
Annual Program						
Gross	144.982	150.262	99.572	125.974	139.255	660.045
Less A.P.	0	0	0	0	0	0
Net	144.982	150.262	99.572	125.974	139.255	660.045
Advanced Procurement	0	0	0	0	0	0
Total Annual Cost	144.982	150.262	99.572	125.974	139.255	660.045
Multiyear Proposal						
Gross	152.794	154.032	80.808	99.359	106.778	593.771
Less A.P.	0	0	0	0	0	0
Net	152.794	154.032	80.808	99.359	106.778	593.771
Advanced Funding						
(For FY 97)						
(For FY 98)	0					
(For FY 99)	0	0				
(For FY 00)	0	0	0			
Total	0	0	0	0	0	0
Total Multiyear Cost	152.794	154.032	80.808	99.359	106.778	593.771

Savings A "+" sign should be used when the multiyear cost is less than the annual cost and a "-" sign when the multiyear cost is greater than the annual cost.

Outlays	FY 97	FY 98	FY 99	FY 00	FY 01	FY 02	FY 03	FY 04	FY 05	FY 06	TOTAL
Annual	14.063	61.695	99.524	111.317	117.581	116.454	76.233	37.796	17.028	8.354	660.045
Multiyear	14.821	64.599	101.139	105.008	101.631	95.958	61.548	29.437	13.222	6.408	593.771
Savings	-0.758	-2.904	-1.615	6.309	15.95	20.496	14.685	8.359	3.806	1.946	66.274

	Outlays										
	FY 97	FY 98	FY 99	FY 00	FY 01	FY 02	FY 03	FY 04	FY 05	FY 06	TOTAL
Annual Proposal											
Then Year Dollars	21.237	92.579	147.521	161.776	165.206	159.846	103.384	50.804	22.724	11.024	936.101
Constant Dollars	19.44	82.28	127.295	135.527	134.375	126.223	79.26	37.816	16.422	7.736	766.374
Present value	19.220	79.521	120.260	125.159	121.305	111.384	68.370	31.887	13.536	6.233	696.874
Multiyear Proposal											
Then Year Dollars	21.995	95.483	149.136	155.468	149.257	139.35	88.699	42.444	18.918	9.077	869.827
Constant Dollars	20.134	84.861	128.689	130.242	121.402	110.038	68.001	31.594	13.672	6.368	715.001
Present value	19.906	82.015	121.577	120.278	109.594	97.102	58.658	26.640	11.269	5.131	652.170
Difference											
Then Year Dollars	-0.758	-2.904	-1.615	6.308	15.949	20.496	14.685	8.36	3.806	1.947	66.274
Constant Dollars	-0.694	-2.581	-1.394	5.285	12.973	16.185	11.259	6.222	2.750	1.368	51.373
Present value	-0.686	-2.494	-1.317	4.881	11.711	14.282	9.712	5.246	2.267	1.102	44.704

Exhibit MYP-5 Present Value Analysis

REPORTS CONTROL SYMBOL
DD-COMP(AR)1092

BUDGET ITEM JUSTIFICATION SHEET

DATE February 1995

APPROPRIATION / BUDGET ACTIVITY
Other Procurement: Army 2
Communications and Electronics Equipment

P-1 ITEM NOMENCLATURE

EAC COMMUNICATIONS (BA1010)

	FY 94	FY 95	FY 96	FY 97	FY 98	FY 99	FY 00 / 01
QUANTITY							
COST(IN MILLIONS)	50.2	49.5	5.9	4.3	5.9	5.7	7.0 / 7.0

DESCRIPTION:
The Echelons Above Corps(EAC) Communications Network, formerly known as Tri-Services Tactical Communications (TRI-TAC), features automatic switching, digital transmission, network control and subscriber terminal equipment. The EAC Communications Network is typically deployed in tactical theater level applications, providing a link between the strategic (fixed plant) systems and the MSE Network at ECB. In addition, joint and combined force interfaces are provided at EAC, for interoperability with other services and allied networks. The EAC Communications Network plays a key role in linking the National Command Authority (NCA) with the front-line fighting forces. It supports the theater level command and control process, which is responsible for directing, maintaining and resupplying lower level fighting forces.
The EAC Communications Network is digital, secure, highly flexible and contains features that deal with link or functional element outages and traffic overload. It also makes provision for rapid movement of users and provides voice/data communications on an automatic, discrete addressed, fixed directory basis using flood search routing.
A typical EAC Communications Network is comprised of Nodal Control Switches, Message Switches, Small Extension Node Switches (SENS) (AN/TTC-48), Large Extension Node Switch (LENS) (AN/TTC-46), Network Management Center (NMC), Communications System Control Element (CSCE) (AN/TYQ-30[V] 1,2 and AN/TYQ-31) and Downsized Transmission Assemblages (AN/TRC-173/4/5()-138A/B, AN/TRC-170[V] 2,3).

JUSTIFICATION:
FY96/7 funds are required for Project Management Adminstration to support the day-to-day operations of the Project Managers office, which includes salaries and travel in support of all existing contracts; Production Engineering Support to provide for the necessary government matrix personnel in direct support of the above mission; Contractor Engineering Support to provide support to the Project Manager of the type not available within either the Core or Matrix assets; Fielding/Interim Contractor Support to field and support Active, Army Reserve and National Guard units new EAC Comm equipment and Sustain EAC Comm equipment that is already in the field.

WEAPON SYSTEM COST ANALYSIS EXHIBIT (P-5)		A. APPROPRIATION NO. OPA2 - Communications and Electronics Equipment			B. WEAPON MODEL/SERIES/POPULAR NAME EAC COMMUNICATIONS						C.MANUF Numerous See P5a	D. DATE February 1995	
WEAPONS SYSTEM COST ELEMENTS	IDENT CODE	$ UNIT COST	FY94 QTY	$K TOTAL COST	UNIT COST	FY95 QTY	TOTAL COST	UNIT COST	FY96 QTY	TOTAL COST	UNIT COST	FY97 QTY	TOTAL COST
1. HIGH MOBILTY DGM ASSEM	A	255,072	138	35,200									
2. PROJ MANAGEMENT ADMIN	-			2,800			2,800			2,435			2,282
3. ENGINEERING SUPPORT	-												
CONTRACTOR				880			1,800			1,000			1,000
GOVERNMENT				700			3,100			961			971
4. FIELDING/RETROFIT	-			5,279			4,367			1,500			
5. INTERIM CONTRACTOR SPT	-			200									
6. AREA COMMON USER SYS-SYS IMP PROG (ACUS-SIP)	A			3,900			20,400						
7. TOAD REPAIR/SET ASSEMBLY	-			970									
8. DOWNSIZE PROGRAM	A			300			17,043						
			138	50,229		0	49,510		0	5,896		0	4,25

BUDGET PROCUREMENT HISTORY AND PLANNING EXHIBIT (P-5A)

A. DATE: February 1995

B. APPROPRIATION/BUDGET ACTIVITY: Other Procurement, Army 2 - Communications and Electronics Equipment

C. P-1 ITEM NOMENCLATURE: EAC COMMUNICATIONS

LINE ITEM/FISCAL YEAR	CONTRACTOR & LOCATION	CONTRACT METHOD AND TYPE	CONTRACTED BY	AWARD DATE	DATE OF FIRST DELIVERY	QTY	UNIT COST	SPECS AVAIL NOW	SPEC REVIS REQD	IF YES, WHEN AVAIL
1. HIGH MOBILITY DGM ASSEM										
FY 1994	LAGUNA IND ALBUQUERQUE, NM	SS/FP	CECOM	Aug 94	Apr 95	138	255,072	YES		
2. AREA COMMON USER SYS-SYS IMPROVEMENT PROG (ACUS-SIP)										
FY 1994	GTE TAUNTON, MA	SS/OPT	CECOM	May 94	Sep 96	N/A	N/A	YES		
	GTE TAUNTON, MA	SS/OPT	CECOM	Jul 94	Sep 96	N/A	N/A	YES		
	ESI RICHARDSON, TX	SS/OPT	CECOM	Jun 94	Sep 94	13	53,846	YES		
FY 1995	GTE TAUNTON, MA	SS/OPT	CECOM	Mar 95	Mar 96	N/A	N/A	YES		
				May 95	May 96	N/A	N/A	YES		
3. DOWNSIZE PROGRAM										
FY 1994	LAGUNA IND ALBUQUERQUE, NM	SS/FP	CECOM	Aug 94	Mar 95	N/A	N/A	YES		
FY 1995	LAGUNA IND ALBUQUERQUE,NM	SS/FP	CECOM	Mar 95	Mar 96	N/A	N/A	YES		

D. REMARKS:

Quantity/Unit Cost not applicable. Systems are being procured as software enhancements/engineering change proposals/non-recurring engineering efforts and studies.

UNCLASSIFIED

REPORTS CONTROL SYMBOL
DD-COMP(AR)1092

PRODUCTION SCHEDULE

DATE February 1995

APPROPRIATION / BUDGET ACTIVITY
Other Procurement: Army 2
Communications and Electronics Equipment

P-1 ITEM NOMENCLATURE

EAC COMMUNICATIONS (BA1010)

FACILITY NO	U/M	SERV	PROGRAM QUANTITY FY 94 PR	FY 95	FY 96	FY 97	FY	FY	ACCEPT PRIOR TO 1 OCT 1993	BAL DUE AS OF 1 OCT 1993	FISCAL YEAR 94												FISCAL YEAR 95												FISCAL YEAR 96												LATER
											CALENDAR YEAR 94												CALENDAR YEAR 95												CALENDAR YEAR 96												
											OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	
LTU																																															
1		A	40							40									3	3	3	3	3	3	3	3	3	3	3	4																		0
AN/GRC-222																																														
2		A	788						488	300								8	24	20	0	20	40	20	20	20	20	20	20	20	40	8																0
QEAM																																														
3		A	5750							5750										50	64	64	64	64	64	64	64	64	64	64	60	416	416	416	416	417	417	417	417	417	417	417				0
HMDA																																														
4		A	81							81										12	11	12	12	12	11	11				12	12	12	12	12	12	11	11	11	11	11	11						0
4		A	138							138											A																									0
TOTAL MONTHLY PRODUCTION									488	6309	0	0	0	0	0	0	0	8	27	85	78	99	119	99	98	98	87	87	99	99	116	436	428	428	427	428	428	428	428	428	417	417	417	0	0	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	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	

FACILITY NO	MANUFACTURERS NAME & LOCATION	PRODUCTION RATES MINIMUM	1-8-5	MAXIMUM	MONTHS TO REACH MAX AFTER D DAY
1	GTE, MA	1	3	5	
2	AYDIN, CA	8	40	45	
3	TRI-EX, CA	50	417	625	
4	LAGUNA IND, NM	6	12	18	

PROCUREMENT LEAD TIME	ADMIN LEAD TIME PRIOR 1 OCT	ADMIN LEAD TIME AFTER 1 OCT	MANUFACTURING TIME	TOTAL AFTER 1 OCT
INITIAL				
REORDER				

REMARKS

PROCUREMENT LEAD TIME

PROGRAM	ADMIN LEAD TIME	MFG TIME	TOTAL
LTU	2	11	13
AN/GRC-222*	3	23	26
QEAM	3	17	20
HMDA	2	8	10

*CONTRACT REINSTATED FEB 94 DELIVERIES RESUMED IN MAY 94

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P-1 SHOPPING LIST
ITEM NO 36 PAGE NO 4 OF 4

UNCLASSIFIED

REPORT CONTROL SYMBOL
DD-COMP(AR)1092

BUDGET ITEM JUSTIFICATION SHEET

DATE February 1995

APPROPRIATION / BUDGET ACTIVITY
Other Procurement: Army 2
Communications and Electronics Equipment

P-1 ITEM NOMENCLATURE

MOD OF IN SVC EQUIP (EAC COMM) (BB1600)

	FY 94	FY 95	FY 96	FY 97	FY 98	FY 99	FY 00 / 01
QUANTITY							
COST(IN MILLIONS)	11.3	11.7	11.6	10.4	13.2	13.4	27.8 / 27.8

DESCRIPTION: The Modification Of In Service Equipment (Echelons Above Corps Communications) (EAC COMM) line, funds the materiel change programs (MCP)/enhancements to existing/fielded systems.

JUSTIFICATION:FY96/7 continues the EAC portion of the Area Common User System-System Improvement Prog (ACUS-SIP). The ACUS is an area switched communications system. It is comprised of the EAC Comm Network, which evolved from the original Tri-Service Tactical Communications (TRI-TAC) concept and the Echelons Corps and Below (ECB) Mobile Subscriber Equipment System. Enhancements to systems, some unique to EAC, incorporate either through modification or redesign efforts, improvements in Network Management Control, Circuit Switching, Data Switching, Terminals and Transmission Systems. FY96/7 funds are also required to provide for the necessary Production Engineering Support, Contractor Engineering Support and Fielding/Interim Contractor Support.

MODIFICATION TITLE	FY 94	FY 95	FY 96	FY 97	FY 98	FY 99	FY 00	FY 01
EAC Area Common User Sys-Sys Improvement Prog (ACUS-SIP)*	5.312	4.616	3.623	9.330	13.181	13.357	27.839	27.842
Fielding	4.110	4.600	5.600	-	-	-	-	-
Interim Contractor Support	-	.600	.600	-	-	-	-	-
Engineering Support - Government	-	.874	.814	.750	-	-	-	-
Engineering Support - Contractor	-	1.000	1.000	.364	-	-	-	-
AN/TTC-TYC-39/FOTS Efforts	1.875	-	-	-	-	-	-	-
Total	11.297	11.690	11.637	10.444	13.181	13.357	27.839	27.842

*Estimates for fielding/engineering support for the ACUS-SIP will be provided when information becomes available.

MODIFICATION TITLE:
EAC AREA COMMON USER SYS - SYS IMPROVEMENT PROG (ACUS-SIP) (BB1600)

MODELS OF SYSTEMS AFFECTED: NETWORK MANAGEMENT AND CONTROL, CIRCUIT SWITCHING, DATA SWITCHING, TERMINALS AND TRANSMISSION SYSTEMS

DESCRIPTION/JUSTIFICATION: The ACUS is an area switched communications system. It is comprised of the Echelons Above Corps (EAC) Communications Network and the Echelons Corps and Below (ECB) Mobile Subscriber Equipment (MSE) System. Some of the enhancements included in this SIP will enable mobile subscribers to operate at EAC as they do at ECB and will make a provision for rapid movement of users. Enhancements to systems, some unique to EAC, incorporate either through modification or redesign efforts, improvements in Network Management and Control, Circuit Switching, Data Switching, Terminals and Transmission Systems.

DEVELOPMENT STATUS/MAJOR DEVELOPMENT MILESTONES:	PLANNED MONTH/YEAR	ACTUAL MONTH/YEAR

MODIFICATION TITLE:EAC Area Common User System-System Improvement Prog (ACUS-SIP) FINANCIAL PLAN($ IN MILLIONS):	FY 94& PRIOR	FY 95	FY 96	FY 97	FY 98	FY 99	FY 00	FY 01	EST TO COMPLETE	TOTAL
RDT&E										
PROCUREMENT										
KIT QUANTITY										
INSTALLATION KITS										
INSTALLATION KITS NONRECURRING										
INSTALLED EQUIPMENT	5.3	4.6	3.6	9.3	13.2	13.4	27.8	27.8	127.9	232.9
INSTALLED EQUIPMENT NONRECURRING										
ENGINEERING CHANGE ORDERS										
DATA										
GOVERNMENT ENGINEERING										
TRAINING EQUIPMENT										
SUPPORT EQUIPMENT										
INSTALLATION COST										
TOTAL PROCUREMENT COST	5.3	4.6	3.6	9.3	13.2	13.4	27.8	27.8	127.9	232.9

METHOD OF IMPLEMENTATION:CONTRACTOR

ADMIN LEAD TIME: 2

MANUFACTURE TIME: VARIOUS*

*DEPENDANT UPON THE ENHANCEMENT USUALLY NO LESS THAN 12 MONTHS AND NO MORE THAN 24 MONTHS

CONTRACT DATE:	FY 94 APR-JUN	FY 95 DEC-MAR	FY 96 DEC-MAR	FY 97 DEC-MAR
PRODUCTION DELIVERY DATE:	FY 94 VARIABLE	FY 95 VARIABLE	FY 96 VARIABLE	FY 97 VARIABLE

INSTALLATION SCHEDULE:	FY 94				FY 95				FY 96				FY 97			
	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4
INPUT																
FY 94																
FY 95																
FY 96																
FY 97																
OUTPUT																
FY 94																
FY 95																
FY 96																
FY 97																

UNCLASSIFIED

REPORTS CONTROL SYMBOL
DD-COMP(AR)1092

PRODUCTION SCHEDULE

DATE February 1995

APPROPRIATION / BUDGET ACTIVITY
Other Procurement: Army 2
Communications and Electronics Equipment

P-1 ITEM NOMENCLATURE

MOD OF IN SVC EQUIP (EAC COMM) (BB1600)

FACILITY NO	U/M	SERV	PROGRAM QUANTITY FY 94+ PR	FY 95	FY 96	FY 97	FY	FY	ACCEPT PRIOR TO 1 OCT 1993	BAL DUE AS OF 1 OCT 1993	FISCAL YEAR 94														FISCAL YEAR 95														FISCAL YEAR 96														LATER
											CALENDAR YEAR 94														CALENDAR YEAR 95														CALENDAR YEAR 96														
											OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	
TYC-39A																																																			
1		A	17						3	14			3			3			3			3			2																											
TTC-39D PKT SWTH																																																		
2		A	23						9	14			2			3			3			3			3																											
TTC-48 PKT SWTH																																																		
3		A	48							48						24			24																																	
TOTAL MONTHLY PRODUCTION									12	76	0	0	5	0	0	30	0	0	30	0	0	6	0	0	5	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
											OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	

FACILITY NO	MANUFACTURERS NAME & LOCATION	PRODUCTION RATES MINIMUM	1-8-5	MAXIMUM	MONTHS TO REACH MAX AFTER D DAY
1	GTE, MA	1	3	5	
2	GTE, MA	1	3	5	
3	GTE, MA	*	*	*	

PROCUREMENT LEAD TIME	ADMIN LEAD TIME PRIOR 1 OCT	ADMIN LEAD TIME AFTER 1 OCT	MANUFACTURING TIME	TOTAL AFTER 1 OCT
INITIAL				
REORDER				

REMARKS

	ADMIN LEAD TIME	MFG TIME	TOTAL
TYC-39A	2	12	14
TTC-39D PKT SWTH	2	15	17

TTC-48 PKT SWITCHING DONE IN CONJUNCTION WITH MSE DELIVERIES
*PRODUCTION RATES ALSO DONE IN CONJUNCTION WITH MSE.

BUDGET ITEM JUSTIFICATION SHEET

DATE FEBRUARY 1995

APPROPRIATION / BUDGET ACTIVITY
OTHER PROCUREMENT: ARMY 2
COMMUNICATIONS AND ELECTRONICS EQUIPMENT

P-1 ITEM NOMENCLATURE
TAC RADIO
(FREQUENCY HOPPING MULTIPLEXER)

(BA1205)

	FY 94	FY 95	FY 96	FY 97	FY 98	FY 99	FY 00
QUANTITY			700	1400	1100		
COST(IN MILLIONS)			24.8	32.9	27.0		

DESCRIPTION: THE SINGLE CHANNEL GROUND AND AIRBORNE RADIO SYSTEM (SINCGARS) USES FREQUENCY HOPPING AS AN ELECTRONIC COUNTER COUNTER MEASURES (ECCM) MODE OF OPERATION. THE TAC RADIO (FREQUENCY HOPPING MULTIPLEXER) WILL ALLOW UP TO FOUR VERY HIGH FREQUENCY-FREQUENCY MODULATION (VHF-FM) RADIOS IN THE ECCM MODE TO OPERATE USING ONE MOBILE OR STATIONARY ANTENNA SYSTEM. IT WILL IMPROVE THE PHYSICAL PROFILE AND REDUCE SETUP AND TEARDOWN TIME FOR COMMAND POST ANTENNAS AND REDUCE COSITE INTERFERENCE.

JUSTIFICATION: THE FY 96 PROGRAM OF 700 AND THE FY 97 PROGRAM OF 1,400 UNITS ARE TO SUPPORT FORCE PACKAGE 1, AND WILL IMPROVE SURVIVABILITY BY DECREASING TARGETABILITY AND DETECTABILITY, AS WELL AS REDUCING EMPLACEMENT/DISPLACEMENT TIMES.

WEAPON SYSTEM COST ANALYSIS EXHIBIT (P-5)		A. APPROPRIATION NO. OPA2 - Communications and Electronics Equipment			B. WEAPON MODEL/SERIES/POPULAR NAME TACTICAL RADIO (BA1205) (FREQUENCY HOPPING MULTIPLEXER)						C. MANUFACTURON		D. DATE February 1995
WEAPONS SYSTEM COST ELEMEN	IDENT CODE	FY94 UNIT COST	FY94 QTY	FY94 TOTAL COST	FY95 UNIT COST	FY95 QTY	FY95 TOTAL COST	FY96 UNIT COST	FY96 QTY	FY96 TOTAL COST	FY97 UNIT COST	FY97 QTY	FY97 TOTAL COST
	B												
1. HARDWARE								30 *	700	20,745	21 *	1,400	30,049
2. NONRECURRING PRODUCTION										667			0
3. ENGINEERING CHANGES										1,204			1,270
4. DATA										869			202
5. CONTRACTOR ENGINEERING										947			968
6. GOVERNMENT ENGINEERING										371			396
* Unit costs have been rounded; exact unit costs can be found on P-5A.													
TOTAL									700	24,803		1,400	32,88

BUDGET PROCUREMENT HISTORY AND PLANNING EXHIBIT (P-5A)

A. DATE: February 1995

B. APPROPRIATION/BUDGET ACTIVITY: Other Procurement, Army 2 - Communications and Electronics Equipment

C. P-1 ITEM NOMENCLATURE: TACTICAL RADIO (BA1205) (FREQUENCY HOPPING MULTIPLEXER)

LINE ITEM/FISCAL YEAR	CONTRACTOR & LOCATION	CONTRACT METHOD AND TYPE	CONTRACTED BY	AWARD DATE	DATE OF FIRST DELIVERY	QTY	UNIT COST	SPECS AVAIL NOW	SPEC REVIS REQD	IF YES, WHEN AVAIL
FY96	XETRON	SS/FFP	CECOM	Mar-96	Aug 97	700	29,635	NO	NO	
FY97	XETRON	SS/FFP	CECOM	Mar-97	Apr 98	1,400	21,464	NO	NO	

D. REMARKS:

PRODUCTION SCHEDULE (EXHIBIT P-21)

P-1 ITEM NOMENCLATURE: TACTICAL RADIO (BA1205) — DATE: FEBRUARY 1995

FAC (NO.)	SVC	PROCUREMENT QUANTITY: 93 PRIOR	FY 94	FY 95	FY 96	FY 97	FY	ACCEP PRIOR OCT	BAL DUE OCT
1	A				700			0	700
1	A					1400		0	1400
TOTAL		0	0	0	700	1400	0	0	2100

FISCAL YEAR 94																	FISCAL YEAR 95									
93	CALENDAR YEAR 94																CALENDAR YEAR 95									
O	N	D	J	F	M	A	M	J	J	A	S	O	N	D	J	F	M	A	M	J	J	A	S	ATER
																								700
																								1400
																								0
																								0
																								0
																								0
																								0
																								0
																								0
																								0
																								0
																								0
																								0
																								0
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
O	N	D	J	F	M	A	M	J	J	A	S	O	N	D	J	F	M	A	M	J	J	A	S	2100

FAC	MAN NAME & LOC	MIN	185	MAX	REACHED
1	XETRON CINN OH	35	110	130	

	PROCUREMENT LEAD TIME			
	ADMIN LEAD TIME		PRODUCTION	TOTAL AFTER 1-OCT
	PRIOR 1 OCT	AFTER 1 OCT		
INITIAL	4	5	18	23
REORDER	3	5	14	19

REMARKS

PAGE 4 OF 7

PRODUCTION SCHEDULE (EXHIBIT P-21)

P-1 ITEM NOMENCLATURE: TACTICAL RADIO (BA1205) — DATE: FEBRUARY ####

FAC NO.	SVC	PROCUREMENT QUANTITY: 93 PRIOR	FY 94	FY 95	FY 96	FY 97	FY	ACCEP PRIOR OCT	BAL DUE OCT	FISCAL YEAR 96: 95 O	95 N	95 D	CY 96 J	CY 96 F	CY 96 M	CY 96 A	CY 96 M	CY 96 J	CY 96 J	CY 96 A	CY 96 S	FISCAL YEAR 97: CY 97 O	CY 97 N	CY 97 D	CY 97 J	CY 97 F	CY 97 M	CY 97 A	CY 97 M	CY 97 J	CY 97 J	CY 97 A	CY 97 S	LATER
1	A				700			0	700						A																70	70	560
1	A					1400		0	1400																			A					1400
																																	0
																																	0
																																	0
																																	0
																																	0
																																	0
																																	0
																																	0
																																	0
																																	0
																																	0
																																	0
																																	0
TOTAL		0	0	0	700	1400	0	0	2100	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	70	70	1960
										O	N	D	J	F	M	A	M	J	J	A	S	O	N	D	J	F	M	A	M	J	J	A	S	

FAC	MAN NAME & LOC	MIN	185	MAX	REACHED
1	XETRON CINN OH	35	110	130	

	PROCUREMENT LEAD TIME			
	ADMIN LEAD TIME		PRODUCTION	TOTAL AFTER 1-OCT
	PRIOR 1 OCT	AFTER 1 OCT		
INITIAL	4	5	18	23
REORDER	3	5	14	19

REMARKS

PAGE 5 OF 7

PRODUCTION SCHEDULE (EXHIBIT P-21)

P-1 ITEM NOMENCLATURE TACTICAL RADIO (BA1205) DATE SEPTEMBER 94

FAC NO.	SVC	PROCUREMENT QUANTITY 93 PRIOR	FY 94	FY 95	FY 96	FY 97	FY 98	ACCEP PRIOR OCT	BAL DUE OCT
1	A				700			140	560
1	A					1400		0	1400
TOTAL		0	0	0	700	1400	0	140	1960

FISCAL YEAR 98																		FISCAL YEAR 99									
97			CALENDAR YEAR 98															CALENDAR YEAR 99									LATER
O	N	D	J	F	M	A	M	J	J	A	S	O	N	D	J	F	M	A	M	J	J	A	S		
80	85	90	95	100	110																				
						116	116	116	116	117	117	117	117	117	117	117	117								0
																									0
																									0
																									0
																									0
																									0
																									0
																									0
																									0
																									0
																									0
																									0
																									0
																									0
80	85	90	95	100	110	116	116	116	116	117	117	117	117	117	117	117	117	0	0	0	0	0	0	0	
O	N	D	J	F	M	A	M	J	J	A	S	O	N	D	J	F	M	A	M	J	J	A	S		

FAC	MAN NAME & LOC	MIN	185	MAX	REACHED
1	XETRON CINN OH	35	110	130	

	PROCUREMENT LEAD TIME			
	ADMIN LEAD TIME		PRODUCTION	TOTAL AFTER 1-OCT
	PRIOR 1 OCT	AFTER 1 OCT		
INITIAL	4	5	12	17
REORDER	3	5	12	17

REMARKS

PAGE 6 OF 7

UNCLASSIFIED

CODE "B" ITEM DESCRIPTION

DATE FEBRUARY 1995

REPORT CONTROL SYMBOL
DD-COMP(AR)1092

APPROPRIATION / BUDGET ACTIVITY
OTHER PROCUREMENT: ARMY 2
COMMUNICATIONS AND ELECTRONICS EQUIPMENT

P-1 ITEM NOMENCLATURE
TACTICAL RADIO (BA1205) (FREQUENCY HOPPING MULTIPLEXER)

(BA1205)

CURRENT DEVELOPMENT AND TEST STATUS

		SCHEDULE DATE		
		CURRENT	LAST REPORTED	REASON FOR DELAY
DEV TEST & EVAL (DT&E)	PLAN/ACTUAL	SEP 94		
INITIAL OPER TEST & EVAL (IOT&E)	PLAN/ACTUAL			
OPER TEST & EVAL (OT&E)	PLAN/ACTUAL	NOV 94		
AVAIL DATE OF TECH DATA PKG (TDP) OR PERFORMANCE SPECIFICATIONS		JAN 98		

ESTIMATED DATE OF APPROVAL FOR SERVICE USE 4Q FY 95

EQUIPMENT ITEM(S) TO BE REPLACED

TD-1288/VRC + TD-1289/VRC

EXTENT OF IMPROVEMENT OVER ITEM(S) EQUIPMENT TO BE REPLACED THE CURRENT MULTIPLEXERS ARE FOR SINGLE CHANNEL OPERATION ONLY. THE FHMUX IS AUTOMATICALLY TUNED AND FOR SINGLE CHANNEL AND FREQUENCY HOPPING MODE USE.

DEVELOPMENT CONTRACT INFORMATION PE 64805 PROJECT D488 RDT&E FUNDING PROFILE ($ IN MILLIONS)

CONTRACTOR NAME	PLANT LOCATION	COMPONENT	THRU PYR	CY	BY1	BY2	BEYOND BY'S
XETRON	CINCINNATI,OHIO	TD-1456/VRC					
TOTAL RDT&E FUNDING			13	5	4	4	8

REMARKS PART OF D488 WILL BE USED FOR THIS PROGRAM IN FY 96, REMAINDER TO BE USED BY CECOM RDEC.

REPORTS CONTROL SYMBOL DD-COMP(AR) 1092	BUDGET ITEM JUSTIFICATION SHEET	DATE FEBRUARY 1995

APPROPRIATION / BUDGET ACTIVITY	P-1 ITEM NOMENCLATURE
Other Procurement, Army 2 - Communications and Electronics Equipment	C-E CONTINGENCY FIELDING EQUIP (BA5210)

	FY 94	FY 95	FY 96	FY 97	FY 98	FY 99	FY 00	FY 01
QUANTITY								
COST (In Millions)	$ 12.3	$ 8.5	$ 5.1	$ 2.6	$ 2.5	$ 1.6	$ 3.0	$ 3.3

DESCRIPTION: This line is required to fund the fielding costs associated with a variety of communications-electronics (C-E) systems and efforts not identifiable to a current major system hardware line. Fielding costs include Total Package Fielding (TPF), New Equipment Training (NET), and First Destination Transportation (FDT). TPF efforts include validation of the Materiel Requirements List (MRL), depot staging costs, deprocessing, inventory, installation and hand-off of all required equipment and materiel 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 operating and maintenance of CECOM managed/supported equipment. FDT costs are those associated with the shipping of various C-E equipment from the contractor to the depot.

($ IN MILLIONS)

ELEMENTS OF COST	FY94	FY95	FY96	FY97
FIELDING:				
TPF				
Battlefield Communications	0.085	2.697	2.215	1.055
Conversions	8.665	4.625	2.007	1.017
Misc. C-E Non-Major System Fieldings	2.271	0.075	0.075	0.075
NET				
Satellite Systems	0.204	0.145	0.140	0.070
Ground Communications	0.021	0.020	0.020	0.010
Misc. C-E Non-Major Systems	0.379	0.508	0.351	0.186
FDT, Various C-E Non-Major Systems	0.700	0.400	0.300	0.200
TOTALS	12.325	8.470	5.108	2.613

JUSTIFICATION: The primary efforts to be funded in FY96/97 are TPF/NET for C-E equipment requirements for the conversion of selected units. Funds will activate multiple Brigades with MSE and TRI-TAC capabilities. These conversions are restructured IAW a downsized force structure. 17,000 DA directed Combat Net Radios from Europe, Korea and USARPAC will be fielded to FORSCOM Active Army, National Guard and Army Reserve Units. Non-ICOM ANCGARS Radios will also be fielded to selected units. NET training efforts include requirements for the MCS/AB-1309 system. The BCR process will deliver, under the TPF concept, complete fully training systems to a force structure emphasizing a right-sized power projection capability for dual intensity conflict regions. These funds will ensure that critical round-out signal units are equipped for the mobile digitized battlefield with GO-TO-WAR readiness.

REPORTS CONTROL SYMBOL
DD-COMP(AR)1092

BUDGET ITEM JUSTIFICATION SHEET

DATE February 1995

APPROPRIATION / BUDGET ACTIVITY
Other Procurement, Army 2 - Comm and Electronics Equipment

P-1 ITEM NOMENCLATURE
TSEC - INFORMATION SYSTEM SECURITY (TA0600)

	FY 94	FY 95	FY 96	FY 97	FY 98	FY 99	FY 00	FY 01
QUANTITY								
COST(IN MILLIONS)	56.9	13.0	11.1	11.1	13.1	11.3	6.4	7.5

DESCRIPTION: Funds the Army's Information Systems Security (INFOSEC) Program (ISSP). The ISSP provides INFOSEC to include communication security (COMSEC), cryptosecurity, transmission security, emission security, and computer security (COMPUSEC) equipment and products as a means for protecting telecommunications and information systems which process classified, mission sensitive or national security related sensitive information. Prevents exploitation through interception, unauthorized electronic access, or related technical intelligence threats. The ISSP ensures authenticity, confidentiality, integrity, protection and availability of information and systems which generate, store, process, transfer, or communicate information of use to an adversary.

JUSTIFICATION: FY 96/97 funds will buy:

Army Key Management System (AKMS) equipment, the Army portion of the National Electronic Key Management System (EKMS) a "national priority" program developed to eliminate the inherent human intelligence threats of processing and handling paper key that provides the random or pseudorandom variable used to encrypt and decrypt data and voice communications. AKMS will deny our adversaries access to our key by electronically generating and distributing key for Army supported Commanders-in-Chief of two JCS organizations, removing paper key from all strategic and tactical Army users of INFOSEC and increase flexibility and reduce response time required for cryptonetting procedures and receipt of keying material from 180 days to less than 2 days. Equipment included in the AKMS program is the Data Transfer Device (DTD), AN/CYZ-10, Key Processor (KP) or KOK-22R, AKMS Workstation, AKMS Software, Message Transfer Agent, and ancillaries.

Secure Telephone Equipment (STE), also known as the Combined User Terminal (CUT) or Secure Tactical Strategic Voice Terminal (STSVT) will replace the KY-68 and a host of other COMSEC systems. The uniqueness of this system is its use of FIREFLY technology that will reduce operator/user burdens by making INFOSEC transparent to soldiers, minimize number of vectors needed to be held by Data Transfer Devices by long term vector storage, reduce handling requirements, and simplify compromise recovery. Will increase systems security by eliminating netting of "unique" electronic keys and provide solutions for TOP SECRET/Special Intelligence subscribers to Mobile Subscriber Equipment and Echelons above Corps. The STE resolves the problems of secure interface of strategic and tactical units and systems and provides for direct links into the commercial world communications. The STE is a digital system capable of operating in new evolving digitized communications, the planned information highway, and is compatible with the Department of Defense's 200,000 to 300,000 analog versions of the Secure Telephone Units III and NATO equivalent systems. The purchase of the STE will push secure battlefield communications into the 21st Century by increasing the speed and volume of information that can be delivered to the soldier in a secure but transparent mode.

IDENTIFICATION CODE: A

WEAPON SYSTEM COST ANALYSIS EXHIBIT (P-5)	A. APPROPRIATION, BUDGET ACTIVITY & TITLE NO.: Other Procurement, Army 2 - Comm and Electronics Equipment	B. WEAPON: MODEL, SERIES, POPULAR NAME: TSEC - INFORMATION SYSTEM SECURITY	C. MANUFACTURER: NAME, PLANT, CITY/STATE: Various, see P-5A and P-21	D. DATE: Month/Year: February 1995

WEAPON SYSTEM COST ELEMENTS	ID CODE	FY-94 QTY	FY-94 UNIT COST	FY-94 TOTAL COST	FY-95 QTY	FY-95 UNIT COST	FY-95 TOTAL COST	FY-96 QTY	FY-96 UNIT COST	FY-96 TOTAL COST	FY-97 QTY	FY-97 UNIT COST	FY-97 TOTAL COST
1. MINTERM KY-99A	A	2659	2135	5677									
2. AIRTERM KY-100 WITH REMOTE CONTROL UNIT (RCU)	A	1803	17722	31953									
3. AIRTERM KY-100 WITH REMOTE CONTROL UNIT (RCU)	A	36	13720	494	204	13720	2799						
4. DATA TRANSFER DEVICE (DTD), AN/CYZ-10	A	14104	509	7179				4172	509	2124	8707	509	4432
5. KOK-22R	A				220	18600	4092				85	18600	1581
6. KOK-22R	A				219	13000	2847	417	13000	5421			
7. AKMS SOFTWARE	A				310	2000	620	546	500	273			
8. AKMS WORKSTATION	A							150	10500	1575	75	10500	788
9. COVER FOR KOK-22R	A							856	2000	1712			
10. HYX-57 WIRELINE ADAPTER	A	558	2490	1390									
11. HYX-57 WIRELINE ADAPTER	A	226	2251	509									
12. HYP-57 POWER SUPPLY	A	4746	103	489									
13. Z-AIJ BATTERY CASE	A	9702	29	281									
14. MINTERM TECH DATA	A			24									
15. MINTERM CONVERSION TO KY-99A	A	2058	1200	2470									
16. MINTERM CABLE	A	100	100	10									
17. KY-57/58 MOD 7	A	20356	19	387									
SUB TOTAL:				50,863			10,358			11,105			6,801

WEAPON SYSTEM COST ANALYSIS EXHIBIT (P-5)

A. APPROPRIATION, BUDGET ACTIVITY & TITLE NO.:	B. WEAPON: MODEL, SERIES, POPULAR NAME:	C. MANUFACTURER: NAME, PLANT, CITY/STATE:	D. DATE: Month/Year:
Other Procurement, Army 2 - Comm and Electronics Equipment	TSEC - INFORMATION SYSTEM SECURITY	Various, see P-5A and P-21	February 1995

WEAPON SYSTEM COST ELEMENTS	ID CODE	FY-94 QTY	FY-94 UNIT COST	FY-94 TOTAL COST	FY-95 QTY	FY-95 UNIT COST	FY-95 TOTAL COST	FY-96 QTY	FY-96 UNIT COST	FY-96 TOTAL COST	FY-97 QTY	FY-97 UNIT COST	FY-97 TOTAL COST
18. KG-194A	A	427	2096	895									
19. KG-194/194A MOD 3	A	1889	359	678	3421	359	1300						
20. ANTIVIRUS SOFTWARE	A						300						
21. COMSEC MANAGEMENT CONTROL SYSTEM (CMCS)	A			330			157						
22. CANEWARE	A			75									
23. ST-34 (COMSEC TEST SET)	A	34	27345	930	33	25200	832						
24. SECURE TELEPHONE UNIT III (STU III)	A	70	1945	136									
25. SECURE TELEPHONE UNIT III (STU III)	A	292	1298	379									
26. SECURE TELEPHONE UNIT III (STU III)	A	1	1549	2									
27. SECURE TELEPHONE EQUIPMENT (STE) TACTICAL	A										1727	2500	4318
28. FIELDING	A			2592			42						
SUB TOTAL PAGE TWO:				6,017			2,631			0			4,318
BALANCE FORWARD FROM PAGE ONE:				50863			10358			11105			6801
SUB TOTAL PAGE ONE:				50,863			10,358			11,105			6,801
TOTAL:				56,880			12,989			11,105			11,119

BUDGET PROCUREMENT HISTORY AND PLANNING EXHIBIT (P-5A)

A. DATE: February 1995

B. APPROPRIATION/BUDGET ACTIVITY: Other Procurement, Army 2 - Comm and Electronics Equipment

C. P-1 ITEM NOMENCLATURE: TSEC - INFORMATION SYSTEM SECURITY

COST ELEMENT FISCAL YEAR	CONTRACTOR AND LOCATION	CONTRACT METHOD & TYPE	CONTRACTED BY	AWARD DATE	DATE OF FIRST DELIVERY	QUANTITY	UNIT COST	SPECS AVAILABLE NOW	SPEC REV REQUIRED	IF YES, WHEN AVAILABLE
MINTERM KY-99A										
FY-94	ITT, NUTLEY, NJ	C/FFP-OPTION 1	NSA	FEB 94	SEP 95	2659	2135	YES	NO	
AIRTERM W/RCU										
FY-94	ITT, NUTLEY, NJ	SS/FPI	NSA	MAR 94	AUG 95	1803	17722	YES	NO	
FY-94	ITT, NUTLEY, NJ	SS/FPI-OPTION	NSA	MAR 94	AUG 96	36	13720	YES	NO	
FY-95	ITT, NUTLEY, NJ	SS/FPI-OPTION	NSA	JAN 95	AUG 96	204	13720	YES	NO	
DTD, AN/CYZ-10										
FY-94	BENDIX, MD	C/FPI-OPTION	NSA	JAN 94	FEB 94	10765	509	YES	NO	
FY-94	BENDIX, MD	C/FPI-OPTION	NSA	MAR 94	JAN 95	3339	509	YES	NO	
FY-96	TBS	C/FPI	NSA	OCT 95	NOV 95	4172	509	YES	NO	
FY-97	TBS	C/FPI	NSA	MAR 97	MAR 98	8787	509	YES	NO	
KOK-22R										
FY-95	M. MARIETTA, NJ	C/FFPM-2(2)	NSA	JAN 95	JAN 97	220	18600	YES	NO	
FY-95	M. MARIETTA, NJ	C/FFP-OPTION	NSA	MAR 95	MAR 97	219	13000	YES	NO	
FY-96	M. MARIETTA, NJ	C/FFP-OPTION	NSA	MAR 96	MAR 97	417	13000	YES	NO	
FY-97	M. MARIETTA, NJ	MIPR	NSA	MAR 97	MAR 97	85	18600	YES	NO	

D: REMARKS: NATIONAL SECURITY AGENCY (NSA), COMSEC UTILTIY PROGRAM (CUP)

BUDGET PROCUREMENT HISTORY AND PLANNING EXHIBIT (P-5A)

A. DATE: February 1995

B. APPROPRIATION/BUDGET ACTIVITY: Other Procurement, Army 2 - Comm and Electronics Equipment

C. P-1 ITEM NOMENCLATURE: TSEC - INFORMATION SYSTEM SECURITY

COST ELEMENT FISCAL YEAR	CONTRACTOR AND LOCATION	CONTRACT METHOD & TYPE	CONTRACTED BY	AWARD DATE	DATE OF FIRST DELIVERY	QUANTITY	UNIT COST	SPECS AVAILABLE NOW	SPEC REV REQUIRED	IF YES, WHEN AVAILABLE
AKMS SOFTWARE										
FY-95	M. MARIETTA, NJ	C/FFPM-2(2)	NSA	JAN 95	JAN 96	310	2000	YES	NO	
FY-96	M. MARIETTA, NJ	C/FFP-OPTION	NSA	JAN 96	JAN 97	546	500	YES	NO	
AKMS WORKSTATION										
FY-96	TBS	MIPR	CECOM	MAR 96	SEP 96	150	10500	YES	NO	
FY-97	TBS	MIPR	CECOM	MAR 97	SEP 97	75	10500	YES	NO	
COVER FOR KOK-22R										
FY-96	NSA	MIPR	NSA	MAR 96	MAR 97	856	2000	YES	NO	
HYX-57 WIRELINE ADAPTER										
FY-94	SECURE COM, CA	C/FFP	NSA	JUN 94	JUN 95	558	2490	YES	NO	
FY-94	SECURE COM, CA	C/FFP-OPTION	NSA	JUN 94	JUN 95	226	2251	YES	NO	
HYP-57 POWER SUPPY										
FY-94	SECURE COM, CA	C/FFP-OPTION	NSA	JUN 94	JUN 95	4746	103	YES	NO	
Z-AIJ BATTERY CASE										
FY-94	SECURE COM, CA	C/FFP-OPTION	NSA	JUN 94	JUN 95	9702	29	YES	NO	
MINTERM CONVERSION TO KY-99A										
FY-94	ITT, NUTLEY, NJ	C/FFP-ADD ON	NSA	JUN 94	JUN 95	2058	1200	YES	NO	

D: REMARKS: NATIONAL SECURITY AGENCY (NSA), COMSEC UTILTIY PROGRAM (CUP)

U.S. ARMY COMMUNICATIONS ELECTRONICS COMMAND (CECOM)

BUDGET PROCUREMENT HISTORY AND PLANNING EXHIBIT (P-5A)

A. DATE: February 1995

B. APPROPRIATION/BUDGET ACTIVITY: Other Procurement, Army 2 - Comm and Electronics Equipment

C. P-1 ITEM NOMENCLATURE: TSEC - INFORMATION SYSTEM SECURITY

COST ELEMENT FISCAL YEAR	CONTRACTOR AND LOCATION	CONTRACT METHOD & TYPE	CONTRACTED BY	AWARD DATE	DATE OF FIRST DELIVERY	QUANTITY	UNIT COST	SPECS AVAILABLE NOW	SPEC REV REQUIRED	IF YES, WHEN AVAILABLE
KY-57/58 MOD 7 (SEE REMARKS)										
FY-94	NSA, MD	MIPR	NSA CUP	FEB 94	FEB 94	28356	19	YES	NO	
KG-194A										
FY-94	GROUP TECH, FL	C/FPI-OPTION	NSA	FEB 94	FEB 95	227	2096	YES	NO	
FY-94	GROUP TECH, FL	MIPR	NSA	FEB 94	FEB 94	200	2096	YES	NO	
ST-34 (COMSEC TEST SET)										
FY-94	GE, CAMDEN, NJ	MIPR	NSA CUP	MAR 94	MAR 94	34	27345	YES	NO	
FY-95	GE, CAMDEN, NJ	MIPR	NSA CUP	MAR 95	MAR 95	33	25200	YES	NO	
SECURE TELEPHONE EQUIPMENT III										
FY-94	MOTOROLA, AZ	C/FFP-OPTION	NSA	JUN 94	DEC 94	70	1945	YES	NO	
FY-94	AT&T, NC	C/FFP-OPTION	NSA	JUN 94	DEC 94	292	1298	YES	NO	
FY-94	NSA, MD	MIPR	NSA	JUN 94	JUN 94	1	1549	YES	NO	
SECURE TELEPHONE EQUIPMENT										
FY-97	TO BE SELECTED	C/FPI	NSA	MAR 97	MAR 98	1727	2500	YES	NO	

D: REMARKS: NATIONAL SECURITY AGENCY (NSA), COMSEC UTILTIY PROGRAM (CUP)

U.S. ARMY COMMUNICATIONS ELECTRONICS COMMAND (CECOM)

KY-57/58 MOD 7, AND KG-194/194A MOD 3 ARE IN A JOINT NSA/ARMY DEPOT AND ARE DELIVERED ON AWARD DATE.

FOR OFFICIAL USE ONLY

REPORTS CONTROL SYMBOL
DD-COMP(AR)1092

PRODUCTION SCHEDULE

DATE February 1995

APPROPRIATION / BUDGET ACTIVITY
Other Procurement, Army 2 - Comm and Electronics Equipment

P-1 ITEM NOMENCLATURE
TSEC - INFORMATION SYSTEM SECURITY

(TA0600)

FACILITY NO	U/M	SERV	PROGRAM QUANTITY FY 94	FY 95	FY 96	FY 97	FY 98	FY 99	ACCEPT PRIOR TO 1 OCT	BAL DUE AS OF 1 OCT	FISCAL YEAR 94														FISCAL YEAR 95														FISCAL YEAR 96												LATER
											CALENDAR YEAR 94														CALENDAR YEAR 95														CALENDAR YEAR 96												
											OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	
1	EA	A	2659						0	2659					A																			222	222	222	222	222	222	222	221	221	221	221	221		0
TOTAL MONTHLY PRODUCTION									0	2659	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	222	222	222	222	222	222	222	221	221	221	221	221	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	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	

FACILITY NO	MANUFACTURERS NAME & LOCATION	PRODUCTION RATES MINIMUM	1-8-5	MAXIMUM	MONTHS TO REACH MAX AFTER D DAY
1	ITT, NUTLEY, NJ	200	1000	1500	6

PROCUREMENT LEAD TIME	ADMIN LEAD TIME PRIOR 1 OCT	ADMIN LEAD TIME AFTER 1 OCT	MANUFACTURING TIME	TOTAL AFTER 1 OCT
INITIAL	4	4	19	23
REORDER	4	4	19	23

REMARKS MINTERM KY-99A SCHEDULE
MULTISERVICE CONTRACT, FIELDING REFLECTS ARMY'S PORTION OF THE CONTRACT.
PRODUCTION IS AN ADD ON TO ORIGINAL CONTRACT THROUGH EXERCISE OF AN OPTION.

REPORTS CONTROL SYMBOL
DD-COMP(AR)1092

FOR OFFICIAL USE ONLY

PRODUCTION SCHEDULE

DATE February 1995

APPROPRIATION / BUDGET ACTIVITY
Other Procurement, Army 2 - Comm and Electronics Equipment

P-1 ITEM NOMENCLATURE
TSEC - INFORMATION SYSTEM SECURITY

(TA0600)

FACILITY NO	U/M	SERV	PROGRAM QUANTITY FY 94	FY 95	FY 96	FY 97	FY 98	FY 99	ACCEPT PRIOR TO 1 OCT	BAL DUE AS OF 1 OCT	FISCAL YEAR 94												FISCAL YEAR 95												FISCAL YEAR 96												LATER
											CALENDAR YEAR 94												CALENDAR YEAR 95												CALENDAR YEAR 96												
											OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	
1	EA	A	1803						0	1803						A													150	150	150	150	150	150	150	150	150	151	151	151			0
1	EA	A	36						0	36						A																									36		0
1	EA	A		204					0	204													A																		100	104	0
TOTAL MONTHLY PRODUCTION									0	2043	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	150	150	150	150	150	150	150	150	150	151	151	151	136	104	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	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	

FACILITY NO	MANUFACTURERS NAME & LOCATION	PRODUCTION RATES MINIMUM	1-8-5	MAXIMUM	MONTHS TO REACH MAX AFTER D DAY
1	ITT, NUTLEY, NJ	50	300	400	12

PROCUREMENT LEAD TIME	ADMIN LEAD TIME PRIOR 1 OCT	ADMIN LEAD TIME AFTER 1 OCT	MANUFACTURING TIME	TOTAL AFTER 1 OCT
INITIAL	4	8	17	25
REORDER	4	3	19	22

REMARKS

AIRTERM KY-100 WITH REMOTE CONTROL UNIT
MULTISERVICE CONTRACT, FIELDING REFLECTS ARMY'S PORTION.

FY-95 DELIVERY OF QUANTITIES ARE OFF AN OPTION.

REPORTS CONTROL SYMBOL
DD-COMP(AR)1092

FOR OFFICIAL USE ONLY

PRODUCTION SCHEDULE

DATE February 1995

APPROPRIATION / BUDGET ACTIVITY
Other Procurement, Army 2 - Comm and Electronics Equipment

P-1 ITEM NOMENCLATURE
TSEC - INFORMATION SYSTEM SECURITY
(TA0600)

FACILITY NO	U/M	SERV	PROGRAM QUANTITY FY 94	FY 95	FY 96	FY 97	FY 98	FY 99	ACCEPT PRIOR TO 1 OCT	BAL DUE AS OF 1 OCT	FISCAL YEAR 94			CALENDAR YEAR 94											FISCAL YEAR 95											CALENDAR YEAR 95											FISCAL YEAR 96											CALENDAR YEAR 96											LATER
											OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	
1	EA	A	10765						0	10765				A	979	979	979	979	979	979	979	978	978	978	978	334	334	334	334	334	334	334	334	334	333			380	379	379	379	379	379	379	379	379														0
1	EA	A	3339						0	3339						A																				A																							0
2	EA	A			4172				0	4172																											380	380																					0
2	EA	A				8707			0	8707																													8707																					0
TOTAL MONTHLY PRODUCTION									0	26983	0	0	0	0	979	979	979	979	979	979	979	978	978	978	978	334	334	334	334	334	334	334	334	334	333	380	380	380	379	379	379	379	379	379	379	379	379	8707
											OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	

FACILITY NO	MANUFACTURERS NAME & LOCATION	PRODUCTION RATES MINIMUM	1-8-5	MAXIMUM	MONTHS TO REACH MAX AFTER D DAY
1	BENDIX, BALTIMORE, MD	500	2000	3000	12
2	TO BE SELECTED	250	1000	2000	12

PROCUREMENT LEAD TIME	ADMIN LEAD TIME PRIOR 1 OCT	ADMIN LEAD TIME AFTER 1 OCT	MANUFACTURING TIME	TOTAL AFTER 1 OCT
INITIAL	4	3	1	4
REORDER	4	5	20	25

REMARKS

AN/CYZ-10 MULTISERVICE CONTRACT,
FIELDING REFLECTS ARMY'S PORTION ONLY.

FOR OFFICIAL USE ONLY

REPORTS CONTROL SYMBOL
DD-COMP(AR)1092

PRODUCTION SCHEDULE

DATE February 1995

APPROPRIATION / BUDGET ACTIVITY
Other Procurement, Army 2 - Comm and Electronics Equipment

P-1 ITEM NOMENCLATURE
TSEC - INFORMATION SYSTEM SECURITY

(TA0600)

FACILITY NO	U/M	SERV	PROGRAM QUANTITY FY 94	FY 95	FY 96	FY 97	FY 98	FY 99	ACCEPT PRIOR TO 1 OCT	BAL DUE AS OF 1 OCT	FISCAL YEAR 97														FISCAL YEAR 98														FISCAL YEAR 99												LATER
											CALENDAR YEAR 97														CALENDAR YEAR 98														CALENDAR YEAR 99												
											OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	
1	EA	A	10765						10765	0																																						0
1	EA	A	3339						3339	0																																						0
2	EA	A			4172				4172	0																																						0
2	EA	A				8707			0	8707						A												725	725	725	725	725	726	726	726	726	726	726	726										0
TOTAL MONTHLY PRODUCTION									18276	8707	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	725	725	725	725	725	726	726	726	726	726	726	0	0	0	0	0	0	0	0	0
											OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	A		JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	

FACILITY NO	MANUFACTURERS NAME & LOCATION	PRODUCTION RATES MINIMUM	1-8-5	MAXIMUM	MONTHS TO REACH MAX AFTER D DAY
1	ITT, NUTLEY, NJ	500	2000	3000	12
2	TO BE SELECTED	250	1000	2000	12

PROCUREMENT LEAD TIME	ADMIN LEAD TIME PRIOR 1 OCT	ADMIN LEAD TIME AFTER 1 OCT	MANUFACTURING TIME	TOTAL AFTER 1 OCT
INITIAL	4	3	1	4
REORDER	4	5	20	25

REMARKS

AN/CYZ-10 MULTISERVICE CONTRACT:

PRODUCTION REPRESENTS ARMY PORTION ONLY.

FOR OFFICIAL USE ONLY

REPORTS CONTROL SYMBOL
DD-COMP(AR)1092

PRODUCTION SCHEDULE

DATE February 1995

APPROPRIATION / BUDGET ACTIVITY
Other Procurement, Army 2 - Comm and Electronics Equipment

P-1 ITEM NOMENCLATURE
TSEC - INFORMATION SYSTEM SECURITY
(TA0600)

FACILITY NO	U/M	SERV	PROGRAM QUANTITY FY 95	FY 96	FY 97	FY 98	FY 99	FY 0	ACCEPT PRIOR TO 1 OCT	BAL DUE AS OF 1 OCT	FISCAL YEAR 95												FISCAL YEAR 96												FISCAL YEAR 97												LATER
														CALENDAR YEAR 95											CALENDAR YEAR 96											CALENDAR YEAR 97											
											OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	
1	EA	A	220						0	220				A																								55	55	55	55						0
1	EA	A	219						0	219						A																							55	55	55	55	55	54				0
1	EA	A		417					0	417																				A										60	60	60	60	59	59	59	0
1	EA	A			85				0	85																														85								0
TOTAL MONTHLY PRODUCTION									0	941	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	55	55	255	170	115	114	59	59	59	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	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	

FACILITY NO	MANUFACTURERS NAME & LOCATION	PRODUCTION RATES MINIMUM	1-8-5	MAXIMUM	MONTHS TO REACH MAX AFTER D DAY
1	MARTIN MARIETTA, CAMDEN, NJ	20	100	200	12

PROCUREMENT LEAD TIME	ADMIN LEAD TIME PRIOR 1 OCT	ADMIN LEAD TIME AFTER 1 OCT	MANUFACTURING TIME	TOTAL AFTER 1 OCT
INITIAL	4	3	24	29
REORDER	4	5	12	17

REMARKS

KOK-22R MULTISERVICE CONTRACT:

PRODUCTION REPRESENTS ARMY PORTION ONLY.

FY-97 INDICATES AWARD AND DELIVERY ON SAME DATE FROM COMSEC UTILITY PROGRAM.

FOR OFFICIAL USE ONLY

REPORTS CONTROL SYMBOL
DD-COMP(AR)1092

PRODUCTION SCHEDULE

DATE February 1995

APPROPRIATION / BUDGET ACTIVITY
Other Procurement, Army 2 - Comm and Electronics Equipment

P-1 ITEM NOMENCLATURE
TSEC - INFORMATION SYSTEM SECURITY

(TA0600)

FACILITY NO	U/M	SERV	PROGRAM QUANTITY FY 95	FY 96	FY 97	FY 98	FY 99	FY 0	ACCEPT PRIOR TO 1 OCT	BAL DUE AS OF 1 OCT	FISCAL YEAR 95 / CALENDAR YEAR 95 OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	FISCAL YEAR 96 / CALENDAR YEAR 96 OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	FISCAL YEAR 97 / CALENDAR YEAR 97 OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	LATER
1	EA	A	310						0	310				A													310																					
1	EA	A		546					0	546																	A														546									0
TOTAL MONTHLY PRODUCTION									0	856	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	310	0	0	0	0	0	0	0	0	0	0	0	546	0	0	0	0	0	0	0	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	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	

FACILITY NO	MANUFACTURERS NAME & LOCATION	PRODUCTION RATES MINIMUM	1-8-5	MAXIMUM	MONTHS TO REACH MAX AFTER D DAY
1	MARTIN MARIETTA, CAMDEN, NJ	550	1100	2200	6

PROCUREMENT LEAD TIME	ADMIN LEAD TIME PRIOR 1 OCT	ADMIN LEAD TIME AFTER 1 OCT	MANUFACTURING TIME	TOTAL AFTER 1 OCT
INITIAL	4	3	12	15
REORDER	4	3	12	15

REMARKS

AKMS SOFTWARE MULTISERVICE CONTRACT:

PRODUCTION REPRESENTS ARMY PORTION ONLY.

FOR OFFICIAL USE ONLY

REPORTS CONTROL SYMBOL
DD-COMP(AR)1092

PRODUCTION SCHEDULE

DATE February 1995

APPROPRIATION / BUDGET ACTIVITY
Other Procurement, Army 2 - Comm and Electronics Equipment

P-1 ITEM NOMENCLATURE
TSEC - INFORMATION SYSTEM SECURITY

(TA0600)

FACILITY NO	U/M	SERV	PROGRAM QUANTITY FY 95	FY 96	FY 97	FY 98	FY 99	FY 00	ACCEPT PRIOR TO 1 OCT	BAL DUE AS OF 1 OCT	FISCAL YEAR 95 / CALENDAR YEAR 95 OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	EA	A		150					0	150												
1	EA	A			75				0	75												
TOTAL MONTHLY PRODUCTION									0	225	0	0	0	0	0	0	0	0	0	0	0	0

FISCAL YEAR 96 / CALENDAR YEAR 96 OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
					A						150
0	0	0	0	0	0	0	0	0	0	0	150

FISCAL YEAR 97 / CALENDAR YEAR 97 OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	LATER
					A						75	0
												0
0	0	0	0	0	0	0	0	0	0	0	75	0

FACILITY NO	MANUFACTURERS NAME & LOCATION	PRODUCTION RATES MINIMUM	1-8-5	MAXIMUM	MONTHS TO REACH MAX AFTER D DAY
1	TO BE SELECTED	25	100	200	6

PROCUREMENT LEAD TIME	ADMIN LEAD TIME PRIOR 1 OCT	AFTER 1 OCT	MANUFACTURING TIME	TOTAL AFTER 1 OCT
INITIAL	4	5	6	11
REORDER	4	5	6	11

REMARKS

AKMS WORK STATION: MULTISERVICE CONTRACT:

PRODUCTION REPRESENTS ARMY PORTION ONLY.

NONDEVELOPMENTAL ITEM.

REPORTS CONTROL SYMBOL
DD-COMP(AR)1092

FOR OFFICIAL USE ONLY

PRODUCTION SCHEDULE

DATE February 1995

APPROPRIATION / BUDGET ACTIVITY
Other Procurement, Army 2 - Comm and Electronics Equipment

P-1 ITEM NOMENCLATURE
TSEC - INFORMATION SYSTEM SECURITY

(TA0600)

FACILITY NO	U/M	SERV	PROGRAM QUANTITY FY 95	FY 96	FY 97	FY 98	FY 99	FY 00	ACCEPT PRIOR TO 1 OCT	BAL DUE AS OF 1 OCT	FISCAL YEAR 95												FISCAL YEAR 96												FISCAL YEAR 97												LATER
											CALENDAR YEAR 95												CALENDAR YEAR 96												CALENDAR YEAR 97												
											OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	
1	EA	A		856					0	856						A												123	123	122	122	122	122	122												0
TOTAL MONTHLY PRODUCTION									0	856	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	123	123	122	122	122	122	122	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	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	

FACILITY NO	MANUFACTURERS NAME & LOCATION	PRODUCTION RATES MINIMUM	1-8-5	MAXIMUM	MONTHS TO REACH MAX AFTER D DAY
1	NATIONAL SECURITY AGENCY, MD	10	200	350	6

PROCUREMENT LEAD TIME	ADMIN LEAD TIME PRIOR 1 OCT	ADMIN LEAD TIME AFTER 1 OCT	MANUFACTURING TIME	TOTAL AFTER 1 OCT
INITIAL	4	5	12	17
REORDER	4	5	12	17

REMARKS

COVER FOR KOK-22R, MULTISERVICE CONTRACT:

PRODUCTION REPRESENTS ARMY PORTION ONLY.

FOR OFFICIAL USE ONLY

PORTS CONTROL SYMBOL
D-COMP(AR)1092

PRODUCTION SCHEDULE

DATE February 1995

APPROPRIATION / BUDGET ACTIVITY
Other Procurement, Army 2 - Comm and Electronics Equipment

P-1 ITEM NOMENCLATURE
TSEC - INFORMATION SYSTEM SECURITY
(TA0600)

FACILITY NO	U/M	SERV	PROGRAM QUANTITY FY 94	FY 95	FY 96	FY 97	FY 98	FY 99	ACCEPT PRIOR TO 1 OCT	BAL DUE AS OF 1 OCT	FISCAL YEAR 94												FISCAL YEAR 95												FISCAL YEAR 96												LATER
											CALENDAR YEAR 94												CALENDAR YEAR 95												CALENDAR YEAR 96												
											OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	
1	EA	A	784						0	784									A											65	65	65	65	65	65	65	65	66	66	66	66					0
TOTAL MONTHLY PRODUCTION									0	784	0	0	0	0	0	0	0	0	0		0	0	0	0	0	0	0	0	0	65	65	65	65	65	65	65	65	66	66	66	66	0	0	0	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	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	

FACILITY NO	MANUFACTURERS NAME & LOCATION	PRODUCTION RATES MINIMUM	1-8-5	MAXIMUM	MONTHS TO REACH MAX AFTER D DAY
1	SECURE COMMS, SANTA ANA, CA	50	100	200	6

PROCUREMENT LEAD TIME	ADMIN LEAD TIME PRIOR 1 OCT	ADMIN LEAD TIME AFTER 1 OCT	MANUFACTURING TIME	TOTAL AFTER 1 OCT
INITIAL	4	8	12	20
REORDER	4	8	12	20

REMARKS

HYX-57 MULTISERVICE CONTRACT:

PRODUCTION REPRESENTS ARMY PORTION ONLY.

FOR OFFICIAL USE ONLY

REPORTS CONTROL SYMBOL
DD-COMP(AR)1092

PRODUCTION SCHEDULE

DATE February 1995

APPROPRIATION / BUDGET ACTIVITY
Other Procurement, Army 2 - Comm and Electronics Equipment

P-1 ITEM NOMENCLATURE
TSEC - INFORMATION SYSTEM SECURITY
(TA0600)

FACILITY NO	U/M	SERV	PROGRAM QUANTITY FY 94	FY 95	FY 96	FY 97	FY 98	FY 99	ACCEPT PRIOR TO 1 OCT	BAL DUE AS OF 1 OCT	FISCAL YEAR 94														FISCAL YEAR 95												FISCAL YEAR 96												LATER
											CALENDAR YEAR 94														CALENDAR YEAR 95												CALENDAR YEAR 96												
											OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	
1	EA	A	4746						0	4746									A												395	395	395	395	395	395	396	396	396	396	396	396					0
TOTAL MONTHLY PRODUCTION									0	4746	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	395	395	395	395	395	395	396	396	396	396	396	396	0	0	0	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	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	

FACILITY NO	MANUFACTURERS NAME & LOCATION	PRODUCTION RATES MINIMUM	1-8-5	MAXIMUM	MONTHS TO REACH MAX AFTER D DAY
1	SECURE COMMS, SANTA ANA, CA	100	500	1000	12

PROCUREMENT LEAD TIME	ADMIN LEAD TIME PRIOR 1 OCT	ADMIN LEAD TIME AFTER 1 OCT	MANUFACTURING TIME	TOTAL AFTER 1 OCT
INITIAL	4	8	12	20
REORDER	4	8	12	20

REMARKS

HYP-57 MULTISERVICE CONTRACT:

PRODUCTION REPRESENTS ARMY PORTION ONLY.

FOR OFFICIAL USE ONLY

REPORTS CONTROL SYMBOL
DD-COMP(AR)1092

PRODUCTION SCHEDULE

DATE February 1995

APPROPRIATION / BUDGET ACTIVITY
Other Procurement, Army 2 - Comm and Electronics Equipment

P-1 ITEM NOMENCLATURE
TSEC - INFORMATION SYSTEM SECURITY
(TA0600)

FACILITY NO	U/M	SERV	PROGRAM QUANTITY FY 94	FY 95	FY 96	FY 97	FY 98	FY 99	ACCEPT PRIOR TO 1 OCT	BAL DUE AS OF 1 OCT	FISCAL YEAR 94												FISCAL YEAR 95												FISCAL YEAR 96												LATER
											CALENDAR YEAR 94												CALENDAR YEAR 95												CALENDAR YEAR 96												
											OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	
1	EA	A	9702						0	9702									A											808	808	808	808	808	808	809	809	809	809	809	809					0
TOTAL MONTHLY PRODUCTION									0	9702	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	808	808	808	808	808	808	809	809	809	809	809	809	0	0	0	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	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	

FACILITY NO	MANUFACTURER'S NAME & LOCATION	PRODUCTION RATES MINIMUM	1-8-5	MAXIMUM	MONTHS TO REACH MAX AFTER D DAY
1	SECURE COMMS, SANTA ANA, CA	250	1000	2000	6

PROCUREMENT LEAD TIME	ADMIN LEAD TIME PRIOR 1 OCT	ADMIN LEAD TIME AFTER 1 OCT	MANUFACTURING TIME	TOTAL AFTER 1 OCT
INITIAL	4	8	12	20
REORDER	4	8	12	20

REMARKS

2-AIJ MULTISERVICE CONTRACT:

PRODUCTION REPRESENTS ARMY PORTION ONLY.

FOR OFFICIAL USE ONLY

REPORTS CONTROL SYMBOL
DD-COMP(AR)1092

PRODUCTION SCHEDULE

DATE February 1995

APPROPRIATION / BUDGET ACTIVITY
Other Procurement, Army 2 - Comm and Electronics Equipment

P-1 ITEM NOMENCLATURE
TSEC - INFORMATION SYSTEM SECURITY

(TA0600)

FACILITY NO	U/M	SERV	PROGRAM QUANTITY						ACCEPT PRIOR TO 1 OCT	BAL DUE AS OF 1 OCT	FISCAL YEAR 94												FISCAL YEAR 95												FISCAL YEAR 96												LATER
			FY 94	FY 95	FY 96	FY 97	FY 98	FY 99			CALENDAR YEAR 94												CALENDAR YEAR 95												CALENDAR YEAR 96												
											OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	
1	EA	A	2058						0	2058									A												171	171	171	171	171	171	172	172	172	172	172	172					0
TOTAL MONTHLY PRODUCTION									0	2058	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	171	171	171	171	171	171	172	172	172	172	172	172	0	0	0	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	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	

FACILITY NO	MANUFACTURERS NAME & LOCATION	PRODUCTION RATES			MONTHS TO REACH MAX AFTER D DAY	PROCUREMENT LEAD TIME				
		MINIMUM	1-8-5	MAXIMUM			ADMIN LEAD TIME		MANUFACTURING TIME	TOTAL AFTER 1 OCT
							PRIOR 1 OCT	AFTER 1 OCT		
1	ITT, NUTLEY, NJ	50	200	500	12					
						INITIAL	4	8	12	20
						REORDER	4	8	12	20

REMARKS

MINTERM CONVERSION TO KY-99A
MULTISERVICE CONTRACT:

PRODUCTION REPRESENTS ARMY PORTION ONLY.

FOR OFFICIAL USE ONLY

REPORTS CONTROL SYMBOL
DD-COMP(AR)1092

PRODUCTION SCHEDULE

DATE February 1995

APPROPRIATION / BUDGET ACTIVITY
Other Procurement, Army 2 - Comm and Electronics Equipment

P-1 ITEM NOMENCLATURE
TSEC - INFORMATION SYSTEM SECURITY
(TA0600)

FACILITY NO	U/M	SERV	PROGRAM QUANTITY FY 94	FY 95	FY 96	FY 97	FY 98	FY 99	ACCEPT PRIOR TO 1 OCT	BAL DUE AS OF 1 OCT	FISCAL YEAR 94												FISCAL YEAR 95												FISCAL YEAR 96												LATER
											CALENDAR YEAR 94												CALENDAR YEAR 95												CALENDAR YEAR 96												
											OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	
1	EA	A	227						0	227					A													18	19	19	19	19	19	19	19	19	19	19									0
1	EA	A	200						0	200					200																																0
TOTAL MONTHLY PRODUCTION									0	427	0	0	0	0	200	0	0	0	0	0	0	0	0	0	0	0	0	18	19	19	19	19	19	19	19	19	19	19	0	0	0	0	0	0	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	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	

FACILITY NO	MANUFACTURERS NAME & LOCATION	PRODUCTION RATES MINIMUM	1-8-5	MAXIMUM	MONTHS TO REACH MAX AFTER D DAY
1	GTC, TAMPA, FL	10	100	300	6

PROCUREMENT LEAD TIME	ADMIN LEAD TIME PRIOR 1 OCT	ADMIN LEAD TIME AFTER 1 OCT	MANUFACTURING TIME	TOTAL AFTER 1 OCT
INITIAL	4	5	13	18
REORDER	4	5	12	17

REMARKS

KG-194A MULTISERVICE CONTRACT:

PRODUCTION REPRESENTS ARMY PORTION ONLY.

DELIVERY AND AWARD OF 200 KG-194A IN FEB 1994 IS FROM THE COMSEC UTILITY PROGRAM.

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REPORTS CONTROL SYMBOL
DD-COMP(AR)1092

PRODUCTION SCHEDULE

DATE February 1995

APPROPRIATION / BUDGET ACTIVITY
Other Procurement, Army 2 - Comm and Electronics Equipment

P-1 ITEM NOMENCLATURE
TSEC - INFORMATION SYSTEM SECURITY

(TA0600)

FACILITY NO	U/M	SERV	PROGRAM QUANTITY FY 94	FY 95	FY 96	FY 97	FY 98	FY 99	ACCEPT PRIOR TO 1 OCT	BAL DUE AS OF 1 OCT	FISCAL YEAR 94												FISCAL YEAR 95												FISCAL YEAR 96												LATER
											CALENDAR YEAR 94												CALENDAR YEAR 95												CALENDAR YEAR 96												
											OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	
1	EA	A	34						0	34						34																														0
1	EA	A		33					0	33																		33																			0
TOTAL MONTHLY PRODUCTION									0	67	0	0	0	0	0	34	0	0	0	0	0	0	0	0	0	0	0	33	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	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	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	

FACILITY NO	MANUFACTURERS NAME & LOCATION	PRODUCTION RATES MINIMUM	1-8-5	MAXIMUM	MONTHS TO REACH MAX AFTER D DAY
1	GE, CAMDEN, NJ	30	70	100	12

PROCUREMENT LEAD TIME	ADMIN LEAD TIME PRIOR 1 OCT	ADMIN LEAD TIME AFTER 1 OCT	MANUFACTURING TIME	TOTAL AFTER 1 OCT
INITIAL	4	5		5
REORDER	4	5		5

REMARKS

ST-34 MULTISERVICE CONTRACT. NO REORDER PLANNED.

PRODUCTION REPRESENTS ARMY PORTION ONLY.

* DELIVERY DATES SAME AS AWARD DATES.

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REPORTS CONTROL SYMBOL
DD-COMP(AR)1092

PRODUCTION SCHEDULE

DATE February 1995

APPROPRIATION / BUDGET ACTIVITY
Other Procurement, Army 2 - Comm and Electronics Equipment

P-1 ITEM NOMENCLATURE
TSEC - INFORMATION SYSTEM SECURITY

(TA0600)

FACILITY NO	U/M	SERV	PROGRAM QUANTITY FY 94	FY 95	FY 96	FY 97	FY 98	FY 99	ACCEPT PRIOR TO 1 OCT	BAL DUE AS OF 1 OCT	FISCAL YEAR 94														FISCAL YEAR 95														FISCAL YEAR 96														LATER
											CALENDAR YEAR 94														CALENDAR YEAR 95														CALENDAR YEAR 96														
											OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	
1	EA	A	70						0	70									A						35	35																										0
2	EA	A	292						0	292									A						50	50	50	50	50	42																						0
3	EA	A	1						0	1									1																																		0

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REPORTS CONTROL SYMBOL
DD-COMP(AR)1092

PRODUCTION SCHEDULE

DATE February 1995

APPROPRIATION / BUDGET ACTIVITY
Other Procurement, Army 2 - Comm and Electronics Equipment

P-1 ITEM NOMENCLATURE
TSEC - INFORMATION SYSTEM SECURITY
(TA0600)

FACILITY NO	U/M	SERV	PROGRAM QUANTITY FY 97	FY 98	FY 99	FY 00	FY 01	FY 02	ACCEPT PRIOR TO 1 OCT	BAL DUE AS OF 1 OCT	FISCAL YEAR 97 / CALENDAR YEAR 97 OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	EA	A	1727						0	1727						A						
TOTAL MONTHLY PRODUCTION									0	1727	0	0	0	0	0	0	0	0	0	0	0	0

FISCAL YEAR 98 / CALENDAR YEAR 98 OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
					143	144	144	144	144	144	144
0	0	0	0	0	143	144	144	144	144	144	144

FISCAL YEAR 99 / CALENDAR YEAR 99 OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	LATER
144	144	144	144	144								0
144	144	144	144	144	0	0	0	0	0	0	0	0

FACILITY NO	MANUFACTURERS NAME & LOCATION	PRODUCTION RATES MINIMUM	1-8-5	MAXIMUM	MONTHS TO REACH MAX AFTER D DAY
1	TO BE SELECTED	100	1000	2000	12

PROCUREMENT LEAD TIME	ADMIN LEAD TIME PRIOR 1 OCT	ADMIN LEAD TIME AFTER 1 OCT	MANUFACTURING TIME	TOTAL AFTER 1 OCT
INITIAL	0	5	12	17
REORDER	0	5	12	17

REMARKS

SECURE TELEPHONE EQUIPMENT, MULTISERVICE CONTRACT WITH INDEFINITE DELIVERY INDEFINITE QUANTITY (IDIQ).

PRODUCTION REPRESENTS ARMY PORTION ONLY.

REPORTS CONTROL SYMBOL DD-COMP(AR) 1092	BUDGET ITEM JUSTIFICATION SHEET	DATE February 1995

APPROPRIATION / BUDGET ACTIVITY	P-1 ITEM NOMENCLATURE
Other Procurement, Army 2 - Communications and Electronics Equipment	TERRESTRIAL TRANSMISSION (BU1900)

	FY 94	FY 95	FY 96	FY 97	FY 98	FY 99	FY 00	FY 01
QUANTITY								
COST (In Millions)	$ 0.0	$ 0.9	$ 9.6	$ 1.3	$ 1.3	$ 1.3	$ 1.5	$ 1.5

DESCRIPTION: This budget line supports the Department of Defense approved program to integrate digital operations within the Pacific and European Theater. The architecture of the Defense Information Infrastructure will be reconfigured to accommodate the rapidly changing deployment and realignment of forces within the Pacific and European Theater. This program is a component of the Army's seamless Enterprise Network that provides compatibility across operational systems. The program supports force projection through technology insertion and evolutionary changes. The program will utilize emerging technological developments to capitalize on digital information systems throughout the Worldwide Defense Information Infrastructure (DII). The theater Commanders-in-Chief, require a robust infrastructure that will facilitate mobilization and sustainment of a deployed force.

The US Forces, Korea (USFK) requirements have been defined in the Extended Korea Improvement Program (EKIP) by the Defense Information Systems Agency (DISA). The EKIP is a DISA managed program to strategically improve the ability to successfully defend Korea during periods of stress, increase survivability of C4I systems for the warfighter, increase information systems capacity to meet surge requirements, and improve the ability to reconstitute C4I systems during periods of stress. This program also supports command and control communications networks serving the Commander-in -Chief, United States Forces and United Nations Command, Korea, and Commander-in -Chief, US Forces, Japan. The modernization of communications systems is essential for wartime capabilities in the Pacific staging areas of Korea and Japan.

The Digital European Backbone (DEB) and DII Spain/Italy Reconfiguration (DSIR) Programs realign the DII in Europe to comply with mandates of the conventional forces, Europe agreement and the Base Realignment and Closure (BRAC) Acts. The DII must be reconfigured as U.S. forces are withdrawn or reassigned and military facilities are returned to German control. Alignments convert manpower intensive stations to unattended operations through contractor maintenance teams. This program utilizes assets that are recovered from sites closed in prior years to replace operating systems which are no longer logistically supportable. Systems are secured through bulk encryption devices.

Systems/programs supported by this program include the European Telephone System, Defense Switched Network and Defense Data Network. The program objectives support the Conventional Forces Europe effort through the application of remote operations, engineering the recovery of available assets and their rehabilitation for use in other segments of the network, and the cost savings achieved though judicious use of manpower and resources. The US Army is tasked to reconfigure selected Army sites for rehabilitation, return to the theater and installation at new sites as a replacement item for analog equipment. This provides a significant cost avoidance through reuse of capital equipment.

REPORTS CONTROL SYMBOL DD-COMP(AR) 1092	BUDGET ITEM JUSTIFICATION SHEET	DATE February 1995
APPROPRIATION / BUDGET ACTIVITY Other Procurement, Army 2 - Communications and Electronics Equipment	P-1 ITEM NOMENCLATURE TERRESTRIAL TRANSMISSION (BU1900)	

(Continuation)

JUSTIFICATION: The dramatic changes in the Pacific area have increased the demands to improve the survivability, capacity, and reconstitution capabilities of communications in Korea. FY 96 funding is required for engineering necessary to define an architecture and produce specifications required to acquire an enhanced network element management system. Funding will support near-term improvements of network element management systems, e.g. ACORN (a transmission & monitoring control system) and Digital Patch and Access System (DPAS). FY 96 funds also support implementation of C4 Korean Initiatives as approved by JCS. (Project details are contained in classified documents pertaining to the Extended Korea Improvement Program (EKIP)). FY 97 funding is required to acquire the first phase of the enhanced network management system.

The DEB Phase IV objectives will reduce the Army force structure through replacement of manpower intensive facilities, the reconfiguration of the DCS in support of the announced base closures, and reduce the costs associated with the European Defense Switched Network. The implementation of the DEB program will affect the Defense Information Infrastructure capabilities by improving the compatibility across operating systems and the ability to transmit larger volumes of data. Funds are required in FY 96 and FY 97 to: move 5th Signal command from Worms to Mannheim, GE; insert a new DII station at Hanau to service units relocated from Frankfurt, Germany; to complete DEB IV upgrades into Italy; continue to insert system monitor and control enhancements on a segment basis; and respond to force reductions through engineering and translocation of DII facilities as required.

WEAPON SYSTEM COST ANALYSIS EXHIBIT (P-5)	A. APPROPRIATION/TITLE/NO. OPA 2 - Communications and Electronics Equipment				B. WEAPON MODEL/SERIES/POPULAR NAME TERRESTRIAL TRANSMISSION (BU1900)						C. MANUF. Numerous See 5a.	D. DATE February 1995	
WEAPON SYSTEM COST ELEMENTS	IDENT CODE	FY 94 Unit Cost	FY 94 Qty	FY 94 Total Cost	FY 95 Unit Cost	FY 95 Qty	FY 95 Total Cost	FY 96 Unit Cost	FY 96 Qty	FY 96 Total Cost	FY 97 Unit Cost	FY 97 Qty	FY 97 Total Cost
EUROPE:													
Engineering, Furnish, Install, & Test (EFI&T) Staging Support	A				75	1	75	50	1	50	55	1	55
Reutilization of Recovered Assets	A							VAR	VAR	35	VAR	VAR	35
Complete DEB IV Transalpine	A				72	1	72						
DEB IV Hanau Radio / Mux / PTF Engr	A				40	1	40						
DEB IV Donnersberg/Mannheim M/W Seg	A				220	1	220						
DEB IV Hanau-Feldberg Tower Design	A				110	1	110						
DEB IV Transmission Remoting & Monitor Control (TRAMCON) Replacement	A				VAR	VAR	361	VAR	VAR	294	VAR	VAR	194
Army Maintenance Supply Fac (AMSF) Spt	A				15	1	15						
Relocate DEB IV Hannau/Feldberg Segment	A							550	1	550			
Digital Radio and Multiplex Acquisition (DRAMA) Replacement	A										VAR	VAR	160
Relocate Nuremberg Segment	A										500	1	500
PACIFIC:													
Network Element Manager Improvements	A							VAR	VAR	198			
Network Management System Engineering	A							VAR	VAR	125			
Network Management System - Phase I	A										358	1	358
C4 Korean Initiatives	A							VAR	VAR	8,344			
TOTAL				0			893			9,596			1,302

BUDGET PROCUREMENT HISTORY AND PLANNING EXHIBIT (P - 5A)

A. DATE: February 1995

B. APPROPRIATION / BUDGET ACTIVITY: Other Procurement, Army 2 - Communications and Electronics Equipment

C. P-1 ITEM NOMENCLATURE: TERRESTRIAL TRANSMISSION (BU1900)

LINE ITEM / FISCAL YEAR	CONTRACTOR	CONTRACT METHOD AND TYPE	CONTRACTED BY	AWARD DATE	DATE OF FIRST DELIVERY	QTY	UNIT COST	SPEC AVAIL NOW	SPEC REVIS REQ'D	IF YES, WHEN AVAIL
EUROPE:										
EFI&T Staging Support										
FY 95	IN-HOUSE	MIPR	AMC EUR	DEC 94	JAN 95	1	75			
FY 96	IN-HOUSE	MIPR	AMC EUR	DEC 95	JAN 96	1	50	YES	NO	
FY 97	IN-HOUSE	MIPR	AMC EUR	DEC 96	JAN 97	1	55	YES	NO	
Reutilization of Recov Assets										
FY 96	TOAD	WR	CECOM	JAN 96	MAY 96	VAR**	VAR**	YES	NO	
FY 97	TOAD	WR	CECOM	JAN 97	MAY 97	VAR**	VAR**	YES	NO	
Complete DEB IV Transalpine										
FY 95	VAR*	VAR*	VAR***	JAN 95	MAR 95	1	72			
DEB IV Hanau Radio/Mux/Engr										
FY 95	IN-HOUSE	MIPR	ISEC	MAR 95	MAY 95	1	40	YES	NO	
DEB IV Donnersberg/ Mannheim M/W Segment										
FY 95	VAR*	VAR*	VAR***	JAN 95	MAR 95	1	220			
DEB IV Hanau-Feldberg Tower Design										
FY 95	EDE	MIPR	5TH SIG CMD	FEB 95	MAY 95	1	110	YES	NO	

D. Remarks:

TOAD = Tobyhanna Army Depot

WR = Work request

* Material/services provided by TOAD, USAF, 5th Signal Command, and Community Directorate of Engineering & Housing. Funds issued by MIPR or PWD.

** Site specific.

*** Acquisition of materials/services are provided from in-house assets and resources or obtained from a variety of contractors by the Depots, 5th Sig. Cmd., CECOM, or USAF.

EDE = European District Engineers

DEB = Digital European Backbone

BUDGET PROCUREMENT HISTORY AND PLANNING EXHIBIT (P - 5A)

A. DATE: February 1995

APPROPRIATION / BUDGET ACTIVITY: Other Procurement, Army 2 - Communications and Electronics Equipment

C. P-1 ITEM NOMENCLATURE: TERRESTRIAL TRANSMISSION (BU1900)

LINE ITEM / FISCAL YEAR	CONTRACTOR	CONTRACT METHOD AND TYPE	CONTRACTED BY	AWARD DATE	DATE OF FIRST DELIVERY	QTY	UNIT COST	SPEC AVAIL NOW	SPEC REVIS REQ'D	IF YES, WHEN AVAIL
DEB IV TRAMCON Replacmnt										
FY 95	VAR*	VAR*	VAR***	APR 95	DEC 95	VAR**	VAR**	YES	NO	
FY 96	VAR*	VAR*	VAR***	APR 96	JAN 97	VAR**	VAR**	YES	NO	
FY 97	VAR*	VAR*	VAR***	APR 97	JAN 98	VAR**	VAR**	YES	NO	
Army Maintenance Supply Facility (AMSF) Support										
FY 95	IN-HOUSE	MIPR	5TH SIG CMD	JAN 95	JAN 95	1	15			
Relocate DEB IV Hannau/ Feldberg Segment										
FY 96	VAR*	VAR*	VAR***	DEC 95	JAN 96	1	550	YES	NO	
DRAMA Replacement										
FY 97	VAR*	VAR*	VAR***	DEC 96	JAN 97	VAR**	VAR**	YES	NO	
Relocate Nuremberg Segment										
FY 97	VAR*	VAR*	VAR***	DEC 96	JAN 97	1	500	YES	NO	

D. Remarks:

* Material/services provided by TOAD, USAF, 5th Signal Command, and Community Directorate of Engineering & Housing. Funds issued by MIPR or PWD.

** Site specific.

*** Acquisition of materials/services are provided from in-house assets and resources or obtained from a variety of contractors by the Depots, 5th Sig. Cmd., CECOM, or USAF.

DRAMA = Digital Radio and Multiplex Acquisition DEB = Digital European Backbone TRAMCON = Transmission Remoting and Monitor Control

BUDGET PROCUREMENT HISTORY AND PLANNING EXHIBIT (P - 5A)

A. DATE: February 1995

B. APPROPRIATION / BUDGET ACTIVITY: Other Procurement, Army 2 - Communications and Electronics Equipment

C. P-1 ITEM NOMENCLATURE: TERRESTRIAL TRANSMISSION (BU1900)

LINE ITEM / FISCAL YEAR	CONTRACTOR	CONTRACT METHOD AND TYPE	CONTRACTED BY	AWARD DATE	DATE OF FIRST DELIVERY	QTY	UNIT COST	SPEC AVAIL NOW	SPEC REVIS REQ'D	IF YES, WHEN AVAIL
PACIFIC:										
Network Element Mgrs Imprvm. FY 96	IN-HOUSE	MIPR	ISEC	OCT 95	JAN 96	VAR**	VAR**	YES	NO	
Network Mgmt Sys Engineering FY 96	IN-HOUSE	MIPR	ISEC	OCT 95	MAR 96	VAR**	VAR**	YES	NO	
Network Mgmt Sys - Phase I FY 97	TBS	C/FP	USAISC	NOV 96	FEB 97	1	358	YES	NO	
C4 Korean Initiatives * FY 96	TBS	VAR	VAR	VAR	VAR	VAR	VAR	YES	NO	

D. Remarks:

* Multiple projects with site specific quantities and unit costs using multiple contractors and multiple contracts. Project details are contained in classified documents pertaining to Extended Korea Improvement Program (EKIP).

** Site specific.

REPORTS CONTROL SYMBOL DD-COMP(AR) 1092	BUDGET ITEM JUSTIFICATION SHEET	DATE February 1995

APPROPRIATION / BUDGET ACTIVITY	P-1 ITEM NOMENCLATURE
Other Procurement, Army 2 - Communications and Electronics Equipment	BASE SUPPORT COMMUNICATIONS (BU4160)

	FY 94	FY 95	FY 96	FY 97	FY 98	FY 99	FY 00	FY 01
QUANTITY								
COST (In Millions)	$ 0.0	$ 0.6	$ 2.2	$ 1.1	$ 1.1	$ 1.2	$ 2.1	$ 2.1

NOTE: This BLIN was formerly titled "C-E Facilities/Projects". The nomenclature was changed to better portray the nature and purpose of the program.

DESCRIPTION: This budget line funds Armywide requirements for base support radio systems and test, measurement, and diagnostic equipment (TMDE) for US Army Information Systems Command (USAISC). Base support radio systems will permit users to share frequencies thus conserving scarce radio spectra and will provide secure voice/data transmission and access to local telephone systems from portable hand held radios. Base support radios are used by installation military police, fire departments, medical personnel, and other emergency response activities to coordinate critical, time sensitive emergencies and for support during mobilization, deployment, and split-based operations. The FCC and National Telecommunications Information Administration (NTIA) will drastically reduce the available frequencies throughout the National Capital Region (NCR) and CONUS by FY 96. In Korea, the Ministry of Communications (MOC) will implement new bandwidth and channel separation criteria by FY 97, which will render existing radios obsolete because they cannot be modified to add the new frequency. Mission capability of law enforcement, security, other base support personnel would be severely degraded without adequate communications support provided by Land Mobile Radios (LMR). Security and garrison support to troop forces during mobilization, deployment, and split-base operations would also be greatly constrained without adequate communications capability. This program also supports the replacement of obsolete, nonsupportable TMDE, and interim mission support for command, control, communications, and computers worldwide. The USAISC TMDE program provides the mission support capability to the Quality Assurance/Test and Evaluation programs, analysis, and fault location of information systems worldwide. The USAISC TMDE inventory consists of general purpose and special purpose test equipment. This command's capability is maintained through phased replacement of obsolete, nonsupportable TMDE. 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: FY 96 and FY 97 funds will upgrade/replace base support radio systems that FORSCOM, MDW, and Eighth US Army (EUSA) have identified as critical requirements. Based on the USAISC 5 Year TMDE Acquisition Plan, FY 96/97 funds will also purchase replacement TMDE, which includes such items as transmission test sets, plotters, recorders, spectrum analyzers, and oscilloscopes. FY 96 and FY 97 interim TMDE support includes local area network (LAN) analyzers, protocol analyzers, data communications analyzers, and fiber optic test equipment. These funds will also provide replenishment of items that are coded non-economically repairable and TMDE to satisfy increases in authorization levels due to expanded and upgraded information systems worldwide.

(ID CODE A)

WEAPON SYSTEM COST ANALYSIS EXHIBIT (P-5)	A. APPROPRIATION/TITLE/NO. OPA 2 - Communications and Electronics Equipment				B. WEAPON MODEL/SERIES/POPULAR NAME BASE SUPPORT COMMUNICATIONS (BU4160)						C. MANUF. Numerous See 5a.	D. DATE February 1995	
WEAPON SYSTEM COST ELEMENTS	IDENT CODE	FY 94 Unit Cost	FY 94 Qty	FY 94 Total Cost	FY 95 Unit Cost	FY 95 Qty	FY 95 Total Cost	FY 96 Unit Cost	FY 96 Qty	FY 96 Total Cost	FY 97 Unit Cost	FY 97 Qty	FY 97 Total Cost
TMDE Replacement/Quality Assurance TMDE	A				VAR	VAR	610	VAR	VAR	601	VAR	VAR	615
Non-Tactical Trunked Radio Sys (FORSCOM)	A							497	1	497	249	1	249
Secure Digital Non-Tactical Radio System (MDW)	A							610	1	610			
Commercial Land Mobile Radio Sys (EUSA)	A							249	2	497	249	1	249
TMDE = Test, Measurement, & Diagnostic Equipment													
TOTAL				0			610			2,205			1,113

BUDGET PROCUREMENT HISTORY AND PLANNING EXHIBIT (P - 5A)

A. DATE: February 1995

APPROPRIATION / BUDGET ACTIVITY: Other Procurement, Army 2 - Communications and Electronics Equipment

C. P-1 ITEM NOMENCLATURE: BASE SUPPORT COMMUNICATIONS (BU4160)

LINE ITEM / FISCAL YEAR	CONTRACTOR	CONTRACT METHOD AND TYPE	CONTRACTED BY	AWARD DATE	DATE OF FIRST DELIVERY	QTY	UNIT COST	SPEC AVAIL NOW	SPEC REVIS REQ'D	IF YES, WHEN AVAIL
TMDE										
FY 95	VAR *	VAR *	CECOM	VAR *	VAR *	VAR *	VAR *			
FY 96	VAR *	VAR *	CECOM	VAR *	VAR *	VAR *	VAR *	YES	NO	
FY 97	VAR *	VAR *	CECOM	VAR *	VAR *	VAR *	VAR *	YES	NO	
Non-Tactical Trunked Radio System (FORSCOM)										
FY 96	TBS	C/FP	Ft. McPherson, GA	NOV 95	FEB 96	1	497	YES	NO	
FY 97	TBS	C/FP	Ft. McPherson, GA	NOV 96	FEB 97	1	249	YES	NO	
Secure Digital Non-Tactical Radio System (MDW)										
FY 96	TBS	C/FP	Ft. Meade, MD	JAN 96	MAR 96	1	610	YES	NO	
Commercial Land Mobile Radio System (EUSA)										
FY 96	TBS	C/FP	USACCK	NOV 95	FEB 96	2	249	YES	NO	
FY 97	TBS	C/FP	USACCK	NOV 96	FEB 97	1	249	YES	NO	

D. Remarks:

* Denotes TMDE effort which provides replacement test equipment to support the Information Mission Area (IMA). State-of-the-art test equipment is contracted from a variety of Test, Measurement, & Diagnostic Equipmemt (TMDE) manufacturers for various sites.

USACCK = US Army Contracting Center, Korea

REPORTS CONTROL SYMBOL DD-COMP(AR) 1092	BUDGET ITEM JUSTIFICATION SHEET	DATE February 1995
APPROPRIATION / BUDGET ACTIVITY Other Procurement, Army 2 - Communications and Electronics Equipment	P-1 ITEM NOMENCLATURE DEFENSE DATA NETWORK (DDN) (BU0300)	

	FY 94	FY 95	FY 96	FY 97	FY 98	FY 99	FY 00	FY 01
QUANTITY								
COST (In Millions)	$ 3.0	$ 2.7	$ 4.9	$ 2.2	$ 3.2	$ 2.3	$ 2.4	$ 2.4

DESCRIPTION: This program addresses Army requirements for Defense Data Network (DDN)/Defense Information System Network (DISN) Gateways. It includes the acquisition of DDN gateways, X.25 data switches, Terminal Access Controllers (TACs) and associated networking devices necessary to connect Army host computers, terminals and local area networks (LANs) to the DDN. Acquisition includes installation and Installation Bill of Material (IBOM). The gateways are tailored to data requirements at each Army location and are expandable to meet changes in data requirements and interfaces. The gateways are also upgradable to future Army, DOD, and industry standards. By reducing the number of connections required to support Army DDN/DISN requirements, the gateways avoid multiple connection charges associated with each DDN/DISN connection. The DDN Program is an integral part of the Power Projection Command Control Communications Computer Infrastructure (P2C4I) initiative. The overall objective of P2C4I is to (1) support communications requirements of deployed forces and their access to home installation sustaining base systems, and (2) emplace Information Systems in a coordinated, synchronized, integrated manner; thereby optimizing funding/personnel resources and maximizing the operational benefits. P2C4I identifies the cooperative role and responsibility for installations in the active, direct execution of the National Military Strategy to project forces beyond the borders of the United States to anywhere in the world with little advanced notice.

JUSTIFICATION: Funds will be used to add new capability in the effort to reduce DDN usage, provide more capacity for data communication users and reduce the time to acquire services. FY 96 funds will procure 42 gateways, 20 terminal servers, 800 modems, and 75 interface cards. FY 97 funds will procure 10 gateways, 15 terminal servers, 700 modems, and 85 interface cards.

(ID CODE A)

WEAPON SYSTEM COST ANALYSIS EXHIBIT (P-5)	A. APPROPRIATION/TITLE/NO. OPA 2 - Communications and Electronics Equipment				B. WEAPON MODEL/SERIES/POPULAR NAME DEFENSE DATA NETWORK (DDN) (BU0300)						C. MANUF. Numerous See 5a.	D. DATE February 1995	
WEAPON SYSTEM COST ELEMENTS	IDENT CODE	FY 94 Unit Cost	FY 94 Qty	FY 94 Total Cost	FY 95 Unit Cost	FY 95 Qty	FY 95 Total Cost	FY 96 Unit Cost	FY 96 Qty	FY 96 Total Cost	FY 97 Unit Cost	FY 97 Qty	FY 97 Total Cost
DDN Gateways	A				VAR	30	960	VAR	42	3,360	VAR	10	800
Terminal Servers	A				15	20	300	15	20	300	15	15	225
Modems	A	VAR	610	325	VAR	704	375	VAR	800	432	VAR	700	364
Interface Cards	A	VAR	267	780	VAR	100	1,088	VAR	75	835	VAR	85	771
Network Management System	A	VAR	5	156									
Processor Upgrades	A	17	100	1,700									
TOTAL				2,961			2,723			4,927			2,160

BUDGET PROCUREMENT HISTORY AND PLANNING EXHIBIT (P - 5A)

A. DATE: February 1995

B. APPROPRIATION / BUDGET ACTIVITY: Other Procurement, Army 2 - Communications and Electronics Equipment

C. P-1 ITEM NOMENCLATURE: DEFENSE DATA NETWORK (DDN) (BU0300)

LINE ITEM / FISCAL YEAR	CONTRACTOR	CONTRACT METHOD AND TYPE	CONTRACTED BY	AWARD DATE	DATE OF FIRST DELIVERY	QTY	UNIT COST	SPEC AVAIL NOW	SPEC REVIS REQ'D	IF YES, WHEN AVAIL
DDN Gateways										
FY 95	MICROSTAR	8A	CECOM	JAN 95 *	VAR *	30	VAR **			
FY 96	MICROSTAR	8A	CECOM	JAN 96 *	VAR *	42	VAR **	YES	NO	
FY 97	MICROSTAR	8A	CECOM	JAN 97 *	VAR *	10	VAR **			
Terminal Servers										
FY 95	MICROSTAR	8A	CECOM	JAN 95 *	VAR *	20	15			
FY 96	MICROSTAR	8A	CECOM	JAN 96 *	VAR *	20	15	YES	NO	
FY 97	MICROSTAR	8A	CECOM	JAN 97 *	VAR *	15	15			
Modems										
FY 94	CODEX	C/FP	DECCO	APR 94	VAR *	610	VAR **			
FY 95	CODEX	C/FP	DECCO	APR 95	VAR *	704	VAR **	YES	NO	
FY 96	CODEX	C/FP	DECCO	APR 96	VAR *	800	VAR **	YES	NO	
FY 97	CODEX	C/FP	DECCO	APR 97	VAR *	700	VAR **			
Interface Cards										
FY 94	MICROSTAR	8A	CECOM	APR 94	VAR *	267	VAR***			
FY 95	MICROSTAR	8A	CECOM	APR 95	VAR *	100	VAR***	YES	NO	
FY 96	MICROSTAR	8A	CECOM	APR 96	VAR *	75	VAR***	YES	NO	
FY 97	MICROSTAR	8A	CECOM	APR 97	VAR *	85	VAR***			

D. Remarks:

MICROSTAR, Jessup, MD
CODEX, Huntsville, AL

* Multiple awards and delivery orders/dates throughout FY.
** Site specific.
*** Various types of interface cards. Site specific.

DECCO = Defense Commercial Communications Office

BUDGET PROCUREMENT HISTORY AND PLANNING EXHIBIT (P - 5A)

A. DATE: February 1995

B. APPROPRIATION / BUDGET ACTIVITY
Other Procurement, Army 2 - Communications and Electronics Equipment

C. P-1 ITEM NOMENCLATURE
DEFENSE DATA NETWORK (DDN) (BU0300)

LINE ITEM / FISCAL YEAR	CONTRACTOR	CONTRACT METHOD AND TYPE	CONTRACTED BY	AWARD DATE	DATE OF FIRST DELIVERY	QTY	UNIT COST	SPEC AVAIL NOW	SPEC REVIS REQ'D	IF YES, WHEN AVAIL
Network Management System FY 94	PRC INC	C/FP	CECOM	MAY 94*	VAR*	5	VAR**			
Processor Upgrades FY 94	UNISYS	C/FP	NASA	JAN 94*	VAR*	100	VAR **			

D. Remarks:

PRC INC = Planning Research Corporation, Inc., Reston, VA
UNISYS, McLean, VA

* Multiple awards and delivery orders/dates throughout FY.
** Site specific.

REPORTS CONTROL SYMBOL DD-COMP(AR) 1092	BUDGET ITEM JUSTIFICATION SHEET	DATE February 1995

APPROPRIATION / BUDGET ACTIVITY	P-1 ITEM NOMENCLATURE
Other Procurement, Army 2 - Communications and Electronics Equipment	ELECTROMAG COMP PROG (EMCP) (BD3100)

	FY 94	FY 95	FY 96	FY 97	FY 98	FY 99	FY 00	FY 01
QUANTITY								
COST (In Millions)	$ 0.3	$ 0.9	$ 0.5	$ 0.5	$ 0.5	$ 0.5	$ 0.5	$ 0.5

DESCRIPTION: The ELECTROMAGNETIC COMPATABILITY PROGRAM (EMCP) ensures readiness and effectiveness of command and control communications systems through the testing of tactical and strategic systems for electromagnetic compatibility with other civil or defense communications-electronics systems operating within their environment.
ELECTROMAGNETIC RADIATION HAZARD (EMRH) surveys are conducted at conventional and special munitions storage and handling sites worldwide in order to identify/locate extraordinary electromagnetic energy levels which might cause deterioration, malfunction, or interference with signals. Propagation engineering is required in designing new networks and CE equipment. Unique computer models are developed, upgraded and maintained for calculating EMC, propagation predictions, and engineering analyses. These models perform systems analyses for: (1) line-of-sight; (2) ionospheric high frequency; (3) meteor burst; (4) tropospheric and groundwave communication systems; (5) antenna performance; (6) nuclear surety; and (7) spectrum management. Types of equipment financed by this program include the following:

A. EMC MEASUREMENT EQUIPMENT: Measurement equipment is used to conduct EMC surveys to characterize the electromagnetic environment. Surveys are used in many aspects of communications/electromagnetics.
B. DIRECTOR OF INFORMATION MANGEMENT (DOIM) Army Interference Resolution Program (AIRP) UPGRADE: These systems include hand-held direction finding equipment and frequency management software (AFSMS) to be supplied to ARMY DOIMS worldwide to resolve radio frequency interference problems
C. ENGINEERING WORKSTATIONS AND PERIPHERALS: This is computers and related equipment to be used to perform propagation engineering analysis functions.

JUSTIFICATION: FY96/97 funds will buy EMCP measurement equipment, engineering workstations and peripherals, and DOIM AIRP upgrades to sustain Army EMCP objectives and priorities.

(ID CODE A)

WEAPON SYSTEM COST ANALYSIS EXHIBIT (P-5)	A. APPROPRIATION/NO. OPA 2 - Communications and Electronics Equipment	B. WEAPON MODEL/SERIES/POPULAR NAME ELECTROMAG COMP PROG (EMCP) (BD3100)	C. MANUF. Numerous See 5a.	D. DATE February 1995

WEAPON SYSTEM COST ELEMENTS	IDENT CODE	FY 94 Unit Co	FY 94 Qty	FY 94 Total Cost	FY 95 Unit Co	FY 95 Qty	FY 95 Total Cost	FY 96 Unit Cos	FY 96 Qty	FY 96 Total Cost	FY 97 Unit Cost	FY 97 Qty	FY 97 Total Co
EMC Measurement Equipment	A				233	2	465	232	1	232	152	1	152
Engineering Workstations & Peripherals	A	1	25	32	5	50	250	4	68	266	4	10	40
Frequency Planning Terminals	A	5	45	225									
DOIM AIRP Upgrade	A				20	8	160				100	3	300
TOTAL				257			875			498			492

* AIRP - Army Interference Resolution Program

Note: Unit costs are site specific and vary due to configuration.

BUDGET PROCUREMENT HISTORY AND PLANNING EXHIBIT (P - 5A)

A. DATE: February 1995

B. APPROPRIATION / BUDGET ACTIVITY
Other Procurement, Army 2 - Communications and Electronics Equipment

C. P-1 ITEM NOMENCLATURE
ELECTROMAG COMP PROG (EMCP) (BD3100)

LINE ITEM / FISCAL YEAR	CONTRACTOR	CONTRACT METHOD AND TYPE	CONTRACTED BY	AWARD DATE	DATE OF FIRST DELIVERY	QTY	UNIT COST	SPEC AVAIL NOW	SPEC REVIS REQ'D	IF YES, WHEN AVAIL
EMC Measurement Equip										
FY 95	IITRI	C/FP	Hanscom AFB	Feb-95	Jul-95	2	233	YES	NO	
FY 96	TBS	C/FP	Ft Huachuca, AZ	Feb-96	Jul-96	1	232	YES	NO	
FY 97	TBS	C/FP	Ft Huachuca, AZ	Feb-97	Jul-97	1	152			
Eng Workstations/Periph										
FY 94	VAR **	C/FP	Ft Huachuca, AZ	Feb-95	Feb-95	25	1			
FY 95	TBS	C/FP	Ft Huachuca, AZ	Feb-95	Feb-95	50	5	YES	NO	
FY 96	TBS	C/FP	Ft Huachuca, AZ	Feb-96	Jun-96	68	4	YES	NO	
FY 97	TBS	C/FP	Ft Huachuca, AZ	Feb-97	Jun-97	10	4			
Frequency Planning Terminal										
FY 94	IITRI	C/FP/OPTION	ECAC	Aug-94	Jan-95	45	5	YES	NO	
DOIM AIRP Upgrade										
FY 95	IITRI	C/FP	ECAC	Feb-95	Jul-96	8	20	YES	NO	
FY 97	IITRI	C/FP	ECAC	Apr-98	Jul-98	3	100			

REMARKS:

Option to standard requirements contracts.
Electromagnetic Compatibility Analysis Center (ECAC). Illinois Institute of Technology - Research Institute (IITRI)
** Various contractors include: IBM Corp - Bethesda, MD; EDS - Plano, TX
Wolfram Research Corp - Champaign, IL; Data Tech, Conshohocken, PA; Strategic Mapping Inc. - Santa Clara, CA
K-Talk Communication Corp - Columbus, OH; Word Perfect Corp, Orem, UT; 800 Software - Richmond, VA

REPORTS CONTROL SYMBOL DD-COMP(AR) 1092	BUDGET ITEM JUSTIFICATION SHEET	DATE February 1995

APPROPRIATION / BUDGET ACTIVITY	P-1 ITEM NOMENCLATURE
Other Procurement, Army 2 - Communications and Electronics Equipment	WW TECH CON IMP PROG (WWTCIP) (BU3610)

	FY 94	FY 95	FY 96	FY 97	FY 98	FY 99	FY 00	FY 01
QUANTITY								
COST (In Millions)	$ 0.2	$ 0.2	$ 4.8	$ 0.8	$ 1.0	$ 1.0	$ 2.0	$ 2.0

DESCRIPTION: The Worldwide Technical Control Improvement Program (WWTCIP) provides needed upgrades, expansion and modernization of Worldwide Defense Communications Systems (DCS) technical control facilities to effect the integration and efficient technical control of DCS digital transmission subsystems. These include DC power, timing and synch, line conditioning equipment, automatic tech control, digital patch and access system (DPAS), VF tactical interface, Defense Communications Systems TRI-TAC interface, appropriate test equipment and associated hardware. It supports worldwide communications transmission media and switching upgrades such as Digital European Backbone (DEB), Korean Improvement Program, Japan Reconfiguration and Digitization, and Defense Satellite Communications. The FY 96 funds include $3 million for the automation of Technical Control Facilities, as part of Joint Chiefs of Staff (JCS) directed Korean C4I enhancements, under the Extended Korean Improvement Program (EKIP).

JUSTIFICATION: Automation/Integration of Technical Controls (AITC) is a USAISC directed program to streamline labor intensive technical control operations and maintenance. FY 96 and FY 97 funds will be used for the survey and engineering of specific technical controls worldwide and to procure matrix switch hardware to implement the program. These matrix switches will replace manual patching panels and automate operational, administrative, and testing functions in the tech control, reducing the total manpower requirements and other resource requirements.

(ID CODE A)

WEAPON SYSTEM COST ANALYSIS EXHIBIT (P-5)	A. APPROPRIATION/TITLE/NO. OPA 2 - Communications and Electronics Equipment				B. WEAPON MODEL/SERIES/POPULAR NAME WW TECH CON IMP PROG (WWTCIP) (BU3610)						C. MANUF. Numerous See 5a.	D. DATE February 1995	
WEAPON SYSTEM COST ELEMENTS	IDENT CODE	FY 94 Unit Cost	FY 94 Qty	FY 94 Total Cost	FY 95 Unit Cost	FY 95 Qty	FY 95 Total Cost	FY 96 Unit Cost	FY 96 Qty	FY 96 Total Cost	FY 97 Unit Cost	FY 97 Qty	FY 97 Total Cost
Timing and Global Positioning System (GPS) Engineering	A	VAR	VAR	96									
Battery Upgrade	A	VAR	VAR	87									
Timing GPS Receivers (TGR) BOM	A				VAR	VAR	199						
Automation/Integration of Technical Controls (AITC)	A							VAR	5	4,350	600	1	600
AITC Engineering/Installation/Test	A							VAR	VAR	461	VAR	VAR	239
TOTAL				183			199			4,811			839

BUDGET PROCUREMENT HISTORY AND PLANNING EXHIBIT (P - 5A)

A. DATE: February 1995

B. APPROPRIATION / BUDGET ACTIVITY
Other Procurement, Army 2 - Communications and Electronics Equipment

C. P-1 ITEM NOMENCLATURE
WW TECH CON IMP PROG (WWTCIP) (BU3610)

LINE ITEM / FISCAL YEAR	CONTRACTOR	CONTRACT METHOD AND TYPE	CONTRACTED BY	AWARD DATE	DATE OF FIRST DELIVERY	QTY	UNIT COST	SPEC AVAIL NOW	SPEC REVIS REQ'D	IF YES, WHEN AVAIL
TGR Engineering										
FY 94	SAIC	C/FP	ISEC	JAN 94	FEB 94	VAR*	VAR*			
Battery Upgrade										
FY 94	TOAD	WR	CECOM	AUG 94	NOV 94	VAR*	VAR*			
TGR BOM										
FY 95	TOAD	WR	CECOM	NOV 94	JAN 95	VAR*	VAR*			
AITC Equipment										
FY 96	TBS	C/FP	CECOM	NOV 95	JAN 96	5	VAR*	YES	NO	
FY 97	TBS	C/FP	CECOM	NOV 96	JAN 97	1	VAR*			
AITC Engineering										
FY 96	TBS	C/FP	ISEC	OCT 95	NOV 95	VAR*	VAR*	YES	NO	
FY 97	TBS	C/FP	ISEC	OCT 96	NOV 96	VAR*	VAR*			

D. Remarks:
TGR = Timing GPS Receivers
GPS = Global Positioning System
SAIC = Science Applications International Corporation, Sierra Vista, AZ
AITC = Automation/Integration of Technical Controls
ISEC = Information Systems Engineering Command

* Site specific.

TOAD = Tobyhanna, Army Depot, Tobyhanna, PA
WR = Work Request

REPORTS CONTROL SYMBOL DD-COMP(AR) 1092	BUDGET ITEM JUSTIFICATION SHEET	DATE February 1995

APPROPRIATION / BUDGET ACTIVITY	P-1 ITEM NOMENCLATURE
Other Procurement, Army 2 - Communications and Electronics Equipment	INFORMATION SYSTEMS (BB8650)

	FY 94	FY 95	FY 96	FY 97	FY 98	FY 99	FY 00	FY 01
QUANTITY								
COST (In Millions)	$ 32.7	$ 22.3	$ 64.1	$ 24.9	$ 21.8	$ 25.3	$ 32.4	$ 33.2

DESCRIPTION: This budget line 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.

JUSTIFICATION: The Information Systems (CONUS/Western Hemisphere) program finances upgrades to the Army's telecommunications infrastructure. It includes the MACOM Telephone Modernization Program (MTMP), an integral part of the Power Projection Command Control Communication Computer Infrastructure (P2C4I) 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 insure 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. The Information Systems - PACOM program continues the transition to the Integrated Services Digital Network (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. It also includes funding for the Extended Korean Improvement Program (EKIP). Expanded descriptions/justifications for FY 96/97 are included in the P-40 for each program comprising this BLIN.

(ID CODE A)

WEAPON SYSTEM COST ANALYSIS EXHIBIT (P-5)	A. APPROPRIATION/TITLE/NO. OPA 2 - Communications and Electronics Equipment				B. WEAPON MODEL/SERIES/POPULAR NAME INFORMATION SYSTEMS (BB8650)						C. MANUF. Numerous See 5a.	D. DATE February 1995	
WEAPON SYSTEM COST ELEMENTS	IDENT CODE	FY 94 Unit Cost	FY 94 Qty	FY 94 Total Cost	FY 95 Unit Cost	FY 95 Qty	FY 95 Total Cost	FY 96 Unit Cost	FY 96 Qty	FY 96 Total Cost	FY 97 Unit Cost	FY 97 Qty	FY 97 Total Cost
INFORMATION SYTEMS:													
MCA Support (BB1400)	A			8,798			3,395			5,464			9,139
CONUS/Western Hem (BB8700)	A			14,610			17,928			57,523			14,559
EUCOM (BB8800)	A			345			342			391			399
PACOM (BB8900)	A			8,970			674			764			810
TOTAL				32,723			22,339			64,142			24,907

0 REPORTS CONTROL SYMBOL DD-COMP(AR) 1092	BUDGET ITEM JUSTIFICATION SHEET	DATE February 1995
APPROPRIATION / BUDGET ACTIVITY Other Procurement, Army 2 - Communications and Electronics Equipment	P-1 ITEM NOMENCLATURE INFORMATION SYSTEMS (CONUS/WESTERN HEM) (BB8700)	

	FY 94	FY 95	FY 96	FY 97	FY 98	FY 99	FY 00	FY 01
QUANTITY								
COST (In Millions)	$ 14.6	$ 17.9	$ 57.5	$ 14.6	$ 14.3	$ 18.5	$ 25.4	$ 26.2

DESCRIPTION: This budget line includes efforts in support of the MACOM Telephone Modernization Program (MTMP), and North American Numbering Plan (NANP). The MTMP Program is an integral part of the Power Projection Command Control Communication Computer Infrastructure (P2C4I) initiative. The overall objective of P2C4I is to: (1) support communication requirements of deployed forces and their access to home installation sustaining base systems, and (2) to emplace Information Systems in a coordinated, synchronized, integrated manner; thereby optimizing funding/personnel resources and maximizing the operational benefits. P2C4I identifies the cooperative role and responsibility for installations in the active, direct execution of the National Military Strategy to project forces beyond the borders of the United States to anywhere in the world with little advance notice.

The MTMP started in FY 83 to replace the old Dial Central Offices with state-of-the-art digital switches at CONUS Army installations. The program includes replacement of 80 Government owned electromechanical switches and 25 leased switches implementing the Integrated Services Digital Network (ISDN). Repairing and maintaining rapidly deteriorating antiquated switches is not cost effective. Replacement of the antiquated switches is required to insure interface with public telecommunications networks for computer-based communications systems and to maximize the effectiveness of evolving programs. The modern switches also require fiber optic-based technologies for trunk lines between switches. The increased FY 96 funding request reflects implementation of Army's Enterprise Strategy and urgent need to modernize power projection platforms.

The North American Numbering Plan (NANP) is an FCC directed, Bellcore managed change that will enable a numbering strategy capable of sustaining the significant growth of communication capabilities and requirements. The effective date for changes to the NANP is 1 January 1995.

JUSTIFICATION: FY 96 funds will buy eight digital switching systems to be fielded based upon the HQDA approved Installation Sequence List, and will also procure critical options and modifications to various MTMP sites. FY 97 funds will buy one digital switching system and critical options and modifications to various MTMP sites. All upgrades will be fielded after full consideration of any BRAC 95 impacts or implications affecting the Installation Sequence List. The new digital switching platforms will provide the warfighter with enhanced capability to conduct power projection operations in a split base mode. Additionally, the new switches will enable sites to exploit new communications technologies into the twenty first century.

(ID CODE A)

WEAPON SYSTEM COST ANALYSIS EXHIBIT (P-5)	A. APPROPRIATION/TITLE/NO. OPA 2 - Communications and Electronics Equipment				B. WEAPON MODEL/SERIES/POPULAR NAME INFORMATION SYSTEMS (CONUS/WESTERN HEM) (BB8700)						C. MANUF. Numerous See 5a.	D. DATE February 1995	
WEAPON SYSTEM COST ELEMENTS	IDENT CODE	FY 94 Unit Cost	FY 94 Qty	FY 94 Total Cost	FY 95 Unit Cost	FY 95 Qty	FY 95 Total Cost	FY 96 Unit Cost	FY 96 Qty	FY 96 Total Cost	FY 97 Unit Cost	FY 97 Qty	FY 97 Total C
MACOM Telephone Modernization Program (MTMP):													
Digital Switching System	A	VAR	5	10,386	VAR *	3	15,494	VAR *	8	55,200	14,000 *	1	14,000
MTMP Options/Modifications	A	VAR	VAR	2,988	VAR	VAR	933	VAR	VAR	2,323	VAR	VAR	559
North American Numbering Plan (NANP)	A	VAR	VAR	350	VAR	VAR	1,001						
Electronic Switching System for Aberdeen Proving Ground (APG)	A	VAR	VAR	886									
Schofield Barracks Upgrade	A				500	1	500						
TOTAL				14,610			17,928			57,523			14,559

* NOTE: Site specific. Unit cost varies depending on switch size, complexity of installation, and whether we procure a new switch or relocate an existing switch.

BUDGET PROCUREMENT HISTORY AND PLANNING EXHIBIT (P - 5A)

A. DATE: February 1995

APPROPRIATION / BUDGET ACTIVITY
Other Procurement, Army 2 - Communications and Electronics Equipment

C. P-1 ITEM NOMENCLATURE
INFORMATION SYSTEMS (CONUS/WESTERN HEM) (BB8700)

LINE ITEM / FISCAL YEAR	CONTRACTOR	CONTRACT METHOD AND TYPE	CONTRACTED BY	AWARD DATE	DATE OF FIRST DELIVERY	QTY	UNIT COST	SPEC AVAIL NOW	SPEC REVIS REQ'D	IF YES, WHEN AVAIL
Digital Switching System										
FY 94	GTE #	C/FP/OPTION	CECOM	FEB 94 *	VAR*	5	VAR**			
FY 95	GTE #	C/FP/OPTION	CECOM	DEC 94 *	VAR*	3	VAR**			
FY 96	GTE #	C/FP/OPTION	CECOM	JAN 96 *	VAR*	8	VAR**	YES	NO	
FY 97	GTE #	C/FP/OPTION	CECOM	JAN 97 *	VAR*	1	14,000			
MTMP Options/Modifications										
FY 94	GTE ##	C/FP/OPTION	CECOM	DEC 93 *	VAR*	VAR**	VAR**			
FY 95	GTE ##	C/FP/OPTION	CECOM	NOV 94 *	VAR*	VAR**	VAR**			
FY 96	GTE ##	C/FP/OPTION	CECOM	JAN 96 *	VAR*	VAR**	VAR**	YES	NO	
FY 97	GTE ##	C/FP/OPTION	CECOM	JAN 97 *	VAR*	VAR**	VAR**			
NANP										
FY 94	GTE	C/FP/OPTION	CECOM	JUL 94 *	AUG 94 *	VAR**	VAR**			
FY 95	GTE	C/FP/OPTION	CECOM	DEC 94 *	JAN 95 *	VAR**	VAR**			
Electronic Switching Sys - APG										
FY 94	AG COMM SYS	C/FP	APG	NOV 93	JAN 94	VAR	VAR			
Schofield Barracks Upgrade										
FY 95	TBS	C/FP	CECOM	MAR 95	JUN 95	1	500	YES	NO	

D. Remarks:

* Multiple award and delivery dates throughout FY.
** Site specific. Unit cost varies depending on switch size and use of new or relocated switch.
\# Delivery Order on existing Indefinite Delivery/Indefinite Quantity (IDIQ) contract.
Engineering Change Proposal (ECP) on existing contract.

GTE, Needham, MA
AG Communications Systems, Phoenix, AZ

NANP = North American Numbering Plan
APG = Aberdeen Proving Ground

REPORTS CONTROL SYMBOL DD-COMP(AR) 1092	BUDGET ITEM JUSTIFICATION SHEET	DATE February 1995

APPROPRIATION / BUDGET ACTIVITY	P-1 ITEM NOMENCLATURE
Other Procurement, Army 2 - Communications and Electronics Equipment	INFORMATION SYSTEMS (EUCOM) (BB8800)

	FY 94	FY 95	FY 96	FY 97	FY 98	FY 99	FY 00	FY 01
QUANTITY								
COST (In Millions)	$ 0.3	$ 0.3	$ 0.4	$ 0.4	$ 0.4	$ 0.4	$ 0.5	$ 0.5

DESCRIPTION: This budget line supports communications initiatives to improve information systems throughout the European theater. Funding is required to 1) support ongoing productivity enhancing communication initiatives throughout HQ, 5th Signal Command, and 2) replace aging communication hardware and related devices in support of Army Standard Information Systems (ASIMS), non-ASIMS sites for Standard Army Management Information Systems (STAMIS), and U.S. Army Europe standard systems throughout the theater.

JUSTIFICATION: FY 96 and FY 97 funds will procure communication systems/devices, cabling, hardware, upgrades, and software to improve DPI communications within the European theater. Current endstate COMTEN configuration is 3 COMTENS each at both Schwetzingen DPI and Kaiserslautern DPI. These six COMTENS are outdated and the associated software is not upgradeable. Purchase of new COMTENS will save approximately $14K per month in maintenance costs.

(ID CODE A)

WEAPON SYSTEM COST ANALYSIS EXHIBIT (P-5)	A. APPROPRIATION/TITLE/NO. OPA 2 - Communications and Electronics Equipment				B. WEAPON MODEL/SERIES/POPULAR NAME INFORMATION SYSTEMS (EUCOM) (BB8800)						C. MANUF. Numerous See 5a.	D. DATE February 1995	
WEAPON SYSTEM COST ELEMENTS	IDENT CODE	FY 94 Unit Cost	FY 94 Qty	FY 94 Total Cost	FY 95 Unit Cost	FY 95 Qty	FY 95 Total Cost	FY 96 Unit Cost	FY 96 Qty	FY 96 Total Cost	FY 97 Unit Cost	FY 97 Qty	FY 97 Total Cost
Telephone Operator Referral System - Europe (TORS-E) Server Hardware & Software	A	VAR	VAR	307									
HP 9000//50 E-Mail Host	A	VAR	VAR	38									
Communication Front-end Processor Upgrade	A				VAR	2	342						
Communication Hardware Upgrade	A							VAR	VAR	391	VAR	VAR	399
TOTAL				345			342			391			399

BUDGET PROCUREMENT HISTORY AND PLANNING EXHIBIT (P - 5A)

A. DATE: February 1995

APPROPRIATION / BUDGET ACTIVITY
Other Procurement, Army 2 - Communications and Electronics Equipment

C. P-1 ITEM NOMENCLATURE
INFORMATION SYSTEMS (EUCOM) (BB8800)

LINE ITEM / FISCAL YEAR	CONTRACTOR	CONTRACT METHOD AND TYPE	CONTRACTED BY	AWARD DATE	DATE OF FIRST DELIVERY	QTY	UNIT COST	SPEC AVAIL NOW	SPEC REVIS REQ'D	IF YES, WHEN AVAIL
TORS-E Hardware & Software										
FY 94	SMC	C/FP/OPTION*	FRANKFURT RCO	DEC 93	JAN 94	10	29			
FY 94	PRC	C/FP/OPTION*	FRANKFURT RCO	DEC 93	JAN 94	10	2			
HP 9000//50 E-mail Host										
FY 94	PRC	C/FP/OPTION*	FRANKFURT RCO	AUG 94	SEP 94	** VAR	** VAR			
Communication Front-end Processor Upgrade										
FY 95	Dynamic Corp	C/FP	FT. BELVOIR	MAR 95	MAY 95	2	** VAR	YES	NO	
Communication Hardware Upgrade										
FY 96	Dynamic Corp	C/FP	FT. BELVOIR	MAR 96	MAY 97	** VAR	** VAR	YES	NO	
FY 97	Dynamic Corp	C/FP	FT. BELVOIR	MAR 97	MAY 98	** VAR	** VAR	YES	NO	

D. Remarks:

SMC, Hauppauge, NY
AT&T, Greensboro, NC
PRC, Reston, VA
Dynamic Corp, Burlington, MA

* SMC Small Multi-user Computer Contract (Dec 93) and PRC Super Mini-Computer Contract.

** Quantity and unit cost vary by configuration.

REPORTS CONTROL SYMBOL DD-COMP(AR) 1092	BUDGET ITEM JUSTIFICATION SHEET	DATE February 1995

APPROPRIATION / BUDGET ACTIVITY	P-1 ITEM NOMENCLATURE
Other Procurement, Army 2 - Communications and Electronics Equipment	INFORMATION SYSTEMS (PACOM) (BB8900)

	FY 94	FY 95	FY 96	FY 97	FY 98	FY 99	FY 00	FY 01
QUANTITY								
COST (In Millions)	9.0	0.7	0.8	0.8	0.9	0.9	1.0	1.0

DESCRIPTION: Information Systems (PACOM) encompasses nontactical telecommunications requirements to support Army base operations and U.S. Military Command and Control requirements in the Pacific theater. It includes upgrade of fixed plant telephone systems in Korea and Japan. The Korea Telephone Upgrade (KTU) and Japan Telephone Upgrade (JTU) programs provide for modernization of Army telephone systems/networks in the respective countries. Initially, electromechanical switches were replaced with electronic digital switches at 29 locations in Korea and 8 locations in Japan. The switches have improved administrative telephone service and accommodated initial C2 requirements using techniques permitting more efficient operation and maintenance through centralization of dial service assistance and maintenance. These switches now need to be enhanced to exploit voice and data capabilities now available commercially, which are required for command and control (C2) users in Japan and Korea.

NOTE: This budget line also includes funding in FY 94 ($8.6M) to support C4 Korean Initiatives as approved by JCS.

JUSTIFICATION: The FY 96 and FY 97 funds will procure Batch Change Supplement (BCS) software upgrades which will permit state-of-the-art functions to be added to the switches and will allow the switches to operate more efficiently to support mission requirements. The Army must continue migration into the Integrated Services Digital Network (ISDN) and upgrade the switch BCS software. ISDN is an 8th Army requirement and included in the Army Long Range Plan. Under ISDN, the systems acquired will provide both an intra-base information transfer capability, as well as access to local distribution of information carried by bulk data transfer systems such as the Defense Data Network, using existing digital switches in Korea and Japan. Continued delay will leave common data transmission unfulfilled and the field will continue to proliferate costly individual stovepipe and non-standard networks. ISDN will enable the Army to remain technologically current with private industry and the other services. The BCS software upgrades will permit state-of-the-art functions to be added to the switches, which will allow the switches to operate more efficiently and support mission requirements.

(ID CODE A)

WEAPON SYSTEM COST ANALYSIS EXHIBIT (P-5)	A. APPROPRIATION/TITLE/NO. OPA 2 - Communications and Electronics Equipment			B. WEAPON MODEL/SERIES/POPULAR NAME INFORMATION SYSTEMS (PACOM) (BB8900)						C. MANUF. Numerous See 5a.	D. DATE February 1995	
WEAPON SYSTEM COST ELEMENTS	IDENT CODE	FY 94 Unit Cost	FY 94 Qty	FY 94 Total Cost	FY 95 Unit Cost	FY 95 Qty	FY 95 Total Cost	FY 96 Unit Cost	FY 96 Qty	FY 96 Total Cost	FY 97 Unit Cost	FY 97 Qty	FY 97 Total Cost
Korean Telephone Upgrade (KTU), Integrated Services Digital Network (ISDN), & Batch Change Supplement Software (BCS) Upgrade	A	40	1	40	* 674	1	674	* 764	1	764	* 810	1	810
Japan Telephone Upgrade (JTU) Software Upgrade	A	300	1	300									
C4 KOREAN INITIATIVES:													
Battery Upgrade	A	VAR	VAR	383									
FCC-100's	A	20	17	340									
Engineering & Project Mgmt Support	A	VAR	VAR	1,063									
Installation	A	160	1	160									
IBOM	A	VAR	VAR	454									
Test & Quality Assurance Support	A	166	1	166									
Switch Multiplexer Unit (SMU)	A	VAR	7	3,896									
Test, Measurement, & Diagnostic Equip	A	VAR	VAR	200									
Ground Mobile Forces (GMF) Upgrades	A	VAR	3	754									
Site Prep	A	VAR	13	480									
Bipolar Converters	A	2	33	66									
Offshore Command & Control	A	490	1	490									
Echo Cancellers	A	3	40	120									
SMU Certification - JITC	A	58	1	58									
* NOTE: The unit cost varies because it's based on the size differences of individual switches (300 - 4,000 line size) and also inflation factors.													
TOTAL				8,970			674			764			810

BUDGET PROCUREMENT HISTORY AND PLANNING EXHIBIT (P - 5A)

A. DATE: February 1995

B. APPROPRIATION / BUDGET ACTIVITY
Other Procurement, Army 2 - Communications and Electronics Equipment

C. P-1 ITEM NOMENCLATURE
INFORMATION SYSTEMS (PACOM) (BB8900)

LINE ITEM / FISCAL YEAR	CONTRACTOR	CONTRACT METHOD AND TYPE	CONTRACTED BY	AWARD DATE	DATE OF FIRST DELIVERY	QTY	UNIT COST	SPEC AVAIL NOW	SPEC REVIS REQ'D	IF YES, WHEN AVAIL
KTU / ISDN / BCS Upgrade										
FY 94	GTE	C/FP	CECOM	MAR 94	APR 94	1	40			
FY 95	GTE	C/FP/OPTION	CECOM	DEC 94	FEB 95	1	674			
FY 96	TBS	C/FP/OPTION	CECOM	JAN 96	JUL 96	1	764	YES	NO	
FY 97	TBS	C/FP/OPTION	CECOM	JAN 97	JUL 97	1	810	YES	NO	
Japan Telephone Upgrade										
FY 94	GTE	C/FP	CECOM	AUG 94	NOV 94	1	300			
C4 KOREAN INITIATIVES:										
Battery Upgrade										
FY 94	TOAD	WR	CECOM	SEP 94	DEC 94	VAR *	VAR *			
FY 94	TOAD	WR	CECOM	VAR **	VAR **	VAR *	VAR *			
FCC-100's										
FY 94	SRC	C/FP	NAVY	SEP 94	NOV 94	10	20			
FY 94	SRC	C/FP	NAVY	DEC 94	JAN 95	7	20			
Engineering & Proj Mgmt Spt										
FY 94	SAIC	C/FP	USAISC	SEP 94	OCT 94	1	424			
FY 94	SAIC	C/FP	USAISC	FEB 95	MAR 95	1	345	YES	NO	
FY 94	IN-HOUSE	MIPR	USAISC	VAR **	VAR **	VAR *	VAR *			

D. Remarks:

KTU = Korean Telephone Upgrade
ISDN = Integrated Services Digital Network
BCS = Batch Change Supplement Software
JTU = Japan Telephone Upgrade
TOAD = Tobyhanna Army Depot, Tobyhanna, PA

* Site specific. ** Multiple awards in FY.
GTE, Needham Heights, MA
SRC = Scientific Research Corp., Marietta, GA
SAIC = Scientific Applications International Corp, Sierra Vista, AZ
WR = Work Request

BUDGET PROCUREMENT HISTORY AND PLANNING EXHIBIT (P - 5A)

A. DATE: February 1995

B. APPROPRIATION / BUDGET ACTIVITY: Other Procurement, Army 2 - Communications and Electronics Equipment

C. P-1 ITEM NOMENCLATURE: INFORMATION SYSTEMS (PACOM) (BB8900)

LINE ITEM / FISCAL YEAR	CONTRACTOR	CONTRACT METHOD AND TYPE	CONTRACTED BY	AWARD DATE	DATE OF FIRST DELIVERY	QTY	UNIT COST	SPEC AVAIL NOW	SPEC REVIS REQ'D	IF YES, WHEN AVAIL
C4 Korean Initiatives (Cont'd):										
Installation										
FY 94	IN-HOUSE	MIPR	504TH SIG BN	SEP 94	OCT 94	1	160			
IBOM										
FY 94	VAR*	VAR*	SHARPE DEPOT	VAR*	VAR*	VAR**	VAR**			
Test & QA Support										
FY 94	SEMA	C/FP	ISC	DEC 94	JAN 95	1	166			
SMUs										
FY 94	GTE	C/FP	CECOM	DEC 94	JAN 95	7	VAR**			
TMDE										
FY 94	VAR **	C/FP/OPTION	CECOM	VAR***	FEB 95	VAR**	VAR**	YES	NO	
GMF Upgrades										
FY 94	VAR****	VAR****	VAR****	VAR****	VAR****	3	VAR**	YES	NO	

D. Remarks:

SEMA = System Engineering & Mgt Associates, Sierra Vista, AZ

GTE = Government Systems Corp, Needham Heights, MA

* Various contracts awarded by Sharpe Depot throughout the FY

** Site Specific

*** Multiple awards in FY

**** Various contracts awarded by Sharpe and Tobyhanna Army Depot

BUDGET PROCUREMENT HISTORY AND PLANNING EXHIBIT (P - 5A)

A. DATE: February 1995

B. APPROPRIATION / BUDGET ACTIVITY: Other Procurement, Army 2 - Communications and Electronics Equipment

C. P-1 ITEM NOMENCLATURE: INFORMATION SYSTEMS (PACOM) (BB8900)

LINE ITEM / FISCAL YEAR	CONTRACTOR	CONTRACT METHOD AND TYPE	CONTRACTED BY	AWARD DATE	DATE OF FIRST DELIVERY	QTY	UNIT COST	SPEC AVAIL NOW	SPEC REVIS REQ'D	IF YES, WHEN AVAIL
C4 Korean Initiatives (Cont'd):										
Site Prep FY 94	DEH	MIPR	1ST SIG BDE	VAR*	DEC 94	13	VAR**			
Bipolar Converters FY 94	SIMULATION LABS	C/FP	CECOM	NOV 94	NOV 94	33	2			
Offshore Command & Control FY 94	TEXTRON	C/FP	NAVY	VAR*	JAN 95	1	490	YES	NO	
Echo Cancellers FY 94	NET	C/FP	CECOM	FEB 95	MAR 95	40	3	YES	NO	
SMU Certification -- JITC FY 94	IN-HOUSE	MIPR	JITC	FEB 95	FEB 95	1	58	YES	NO	

D. Remarks:

DEH = Department of Engineering and Housing
SIMULATION LABORATORIES, INC., Hyattsville, MD
TEXTRON, Norfolk, VA
NET = Network Equipment Technologies, Vienna, VA
JITC = Joint Interoperability Test Center, Ft Huachuca, AZ

* Multiple awards throughout FY
** Site Specific

REPORTS CONTROL SYMBOL DD-COMP(AR) 1092	BUDGET ITEM JUSTIFICATION SHEET	DATE February 1995

APPROPRIATION / BUDGET ACTIVITY	P-1 ITEM NOMENCLATURE
Other Procurement, Army 2 - Communications and Electronics Equipment	INFORMATION SYSTEMS (MCA SUPPORT) (BB1400)

	FY 94	FY 95	FY 96	FY 97	FY 98	FY 99	FY 00	FY 01
QUANTITY								
COST (In Millions)	$ 8.8	$ 3.4	$ 5.5	$ 9.1	$ 6.2	$ 5.5	$ 5.5	$ 5.5

DESCRIPTION: This program provides state-of-the-art major information systems equipment such as integrated voice/data switches, basic telephone instruments, 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. Also included in this program are funds in FY 97 for information systems to be installed in conjunction with renovation of the facility housing the Industrial College of the Armed Forces (ICAF). The Army is executive agent for the National Defense University, which is renovating Building 59, Fort McNair, to correct longstanding over-crowding and failing/antiquated mechanical systems. Classrooms are predominantly of 1960's vintage and cannot accommodate modern electronic systems without major improvements to the building's infrastructure. The MCA funded information systems are critical to NDU's ability to comply with academic standards, improve the quality and professionalism of instructional systems, meet Congressional mandates for increased faculty/student ratio, and support growing student loads.

JUSTIFICATION: FY 96 and FY 97 funds will support information systems requirements associated with approved FY 94/95/96/97 MCA projects. Funding will be applied to specific projects based on mission priority, timing of the construction schedule, estimated beneficial occupancy date (BOD), and lead time required for the acquisition and installation of the associated information systems. Funding will support the regulatory requirements as outlined in the US Army Information Systems Command (USAISC) and Corps of Engineers (USACE) Memorandum of Agreement, 1 June 1986 and Army Directives. These funds are essential to ensure information systems are installed in sync with the Corps of Engineers MCA construction schedules. The FY 97 funds also buy information systems associated with renovation of the structure housing the Industrial College of the Armed Forces (ICAF) at the National Defense University. These systems will provide the capability for state-of-the-art academic instruction using interactive strategic simulation, modern interactive data and voice communication, and multi-media presentations.

(ID CODE A)

WEAPON SYSTEM COST ANALYSIS EXHIBIT (P-5)	A. APPROPRIATION/TITLE/NO. OPA 2 - Communications and Electronics Equipment				B. WEAPON MODEL/SERIES/POPULAR NAME INFORMATION SYSTEMS (MCA SUPPORT) (BB1400)						C. MANUF. Numerous See 5a.	D. DATE February 1995	
WEAPON SYSTEM COST ELEMENTS	IDENT CODE	FY 94 Unit Cost	FY 94 Qty	FY 94 Total Cost	FY 95 Unit Cost	FY 95 Qty	FY 95 Total Cost	FY 96 Unit Cost	FY 96 Qty	FY 96 Total Cost	FY 97 Unit Cost	FY 97 Qty	FY 97 Total Cost
MCA Projects:													
Telephone Switches	A	1,566	1	1,566				VAR	3	5,464	VAR	2	5,464
Switch Upgrades	A	VAR	47	3,614	VAR	22	1,105						
Telephone Systems	A	VAR	46	343	VAR	30	241						
Contract Engineering	A	371	1	371	873	1	441						
LAN Transport System	A	VAR	3	300	VAR	8	1,608						
Eisenhower Hall MCA Support (TRADOC)	A	VAR	VAR	2,604									
Information Systems Upgrade - Eisenhower Hall, Ft. McNair (NDU)	A										3,675	1	3,675
TOTAL				8,798			3,395			5,464			9,139

BUDGET PROCUREMENT HISTORY AND PLANNING EXHIBIT (P - 5A)

A. DATE: February 1995

APPROPRIATION / BUDGET ACTIVITY: Other Procurement, Army 2 - Communications and Electronics Equipment

C. P-1 ITEM NOMENCLATURE: INFORMATION SYSTEMS (MCA SUPPORT) (BB1400)

LINE ITEM / FISCAL YEAR	CONTRACTOR	CONTRACT METHOD AND TYPE	CONTRACTED BY	AWARD DATE	DATE OF FIRST DELIVERY	QTY	UNIT COST	SPEC AVAIL NOW	SPEC REVIS REQ'D	IF YES, WHEN AVAIL
MCA Projects:										
Telephone Switches/ECTS										
FY 94	VARIOUS***	C/FP	ISEC-CONUS	VAR *	VAR *	1	VAR*			
FY 96	TBS	C/FP	ISEC-CONUS	VAR *	VAR *	3	VAR*	YES	NO	
FY 97	TBS	C/FP	ISEC-CONUS	VAR *	VAR *	2	VAR*	YES	NO	
Switch Upgrades										
FY 94	VARIOUS***	OPTION**	ISEC-CONUS	VAR *	VAR *	47	VAR*			
FY 95	TBS	OPTION**	ISEC-CONUS	VAR *	VAR *	22	VAR*	YES	NO	
Telephone Systems										
FY 94	VARIOUS***	C/FP	ISEC-CONUS	VAR *	VAR *	46	VAR*			
FY 95	TBS	C/FP	ISEC-CONUS	VAR *	VAR *	30	VAR*	YES	NO	
Contract Engineering										
FY 94	SAIC	C/FP	ISEC-CONUS	VAR *	VAR *	1	VAR*			
FY 95	SAIC	C/FP	ISEC-CONUS	VAR *	VAR *	1	VAR*			
LAN Transport Systems										
FY 94	VARIOUS***	C/FP	ISEC-CONUS	VAR *	VAR *	3	VAR*			
FY 95	TBS	C/FP	ISEC-CONUS	VAR *	VAR *	8	VAR*	YES	NO	

D. Remarks:

ECTS = Electronically Controlled Telephone System
ISEC-CONUS = Information Systems Engineering Command - CONUS
SAIC = Science Applications International Corporation, Sierra Vista, AZ

* Site specific
** Option to existing C/FP contracts.
*** VARIOUS: Multiple contracts are awarded to multiple contractors throughout the year based on Corps of Engineers contracts, construction start dates, and Beneficial Occupancy Dates.

BUDGET PROCUREMENT HISTORY AND PLANNING EXHIBIT (P - 5A)

A. DATE: February 1995

B. APPROPRIATION / BUDGET ACTIVITY
Other Procurement, Army 2 - Communications and Electronics Equipment

C. P-1 ITEM NOMENCLATURE
INFORMATION SYSTEMS (MCA SUPPORT) (BB1400)

LINE ITEM / FISCAL YEAR	CONTRACTOR	CONTRACT METHOD AND TYPE	CONTRACTED BY	AWARD DATE	DATE OF FIRST DELIVERY	QTY	UNIT COST	SPEC AVAIL NOW	SPEC REVIS REQ'D	IF YES, WHEN AVAIL
Eisenhower Hall MCA Support (TRADOC) FY 94	VARIOUS **	C/FP	TRADOC	VAR *	SEP 94	VAR *	VAR *			
Information Systems Upgrade - Eisenhower Hall, Ft. McNair FY 97	TBS	C/FP	ARMY CORPS OF ENGINEERS	JAN 97	MAR 97	1	3,675			

D. Remarks:

* Site specific.

** Contractors include: Ameritech Library Services, Provo,UT; Pulsar Data Systems, Landham, MD; GTSI, Chantilly, VA; Integrated Computer Technology, Irvine, CA; Southern CAD/CAM, Knoxville, TN; Planning Research Corp (PRC), McLean, VA; EDS Corp, Plano, TX; Digital Equipment Corp, Landham, MD; US Connect, Kansas City, MO; ISYX LAN Systems, Rockville, MD.

REPORTS CONTROL SYMBOL DD-COMP(AR) 1092	BUDGET ITEM JUSTIFICATION SHEET	DATE February 1995

APPROPRIATION / BUDGET ACTIVITY	P-1 ITEM NOMENCLATURE
Other Procurement, Army 2 - Communications and Electronics Equipment	DEFENSE MESSAGE SYSTEM (DMS) (BU3770)

	FY 94	FY 95	FY 96	FY 97	FY 98	FY 99	FY 00	FY 01
QUANTITY								
COST (In Millions)	$ 5.2	$ 16.4	$ 8.0	$ 6.0	$ 2.3	$ 3.6	$ 3.5	$ 3.5

DESCRIPTION: The Defense Message System (DMS) provides regional, installation level, and user interfaces to DOD record communications services Armywide. The program is currently transitioning from Phase I to Phase II. The Army Mail Server (AMS) Desktop Interface to Automatic Digital Network (AUTODIN) Host (DINAH), Automated Special Security Information System Terminal (ASSIST), and the majority of the host replacement program are Phase I actions. Phase I is on schedule, and under current funding levels, will be completed at the close of FY 95. Phase II focuses on the full scale implementation of Consultative Committee on International Telegraphy & Telephony (CCITT) standardized X.400/X.500 messaging products and the phase down of the AUTODIN system. This process will begin in FY 95 and continue, under current funding levels, through FY 2000. The Phase I transition items are currently available through standardized ordering agreements. Installation locations have been identified, and installation/implementation staffing has been allocated. The new message systems will feature: (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.

JUSTIFICATION: FY 96 and FY 97 funds will be used to continue the procurement of DMS components off of the DMS contract and issuing delivery orders off other existing contracts. Those components will consist of the necessary mail packages for each site, along with the Fortezza cards, card readers, mail list agents, local area workstations, and mail transfer agents for entry into the DMS message transfer system. The number of sites that will be totally DMS compliant will be dependent upon the cost of the product and upon the operations concept that is to be implemented. As more sites become DMS compliant, operation and maintenance (O&M) costs will decline and the telecommunication centers (TCCs) along with the AUTODIN system will start to close.

(ID CODE A)

WEAPON SYSTEM COST ANALYSIS EXHIBIT (P-5)	A. APPROPRIATION/TITLE/NO. OPA 2 - Communications and Electronics Equipment				B. WEAPON MODEL/SERIES/POPULAR NAME DEFENSE MESSAGE SYSTEM (DMS) (BU3770)						C. MANUF. Numerous See 5a.	D. DATE February 1995	
	IDENT	FY 94			FY 95			FY 96			FY 97		
WEAPON SYSTEM COST ELEMENTS	CODE	Unit Cost	Qty	Total Cost	Unit Cost	Qty	Total Cost	Unit Cost	Qty	Total Cost	Unit Cost	Qty	Total Cost
DMS GOSIP Components	A	VAR	VAR	2,785	VAR	VAR	13,825	VAR	VAR	7,963	VAR	VAR	6,024
Message Security Protocol Cards	A	VAR	VAR	1,306	VAR	VAR	694						
Automated Gateway Messaging System (AGMS)					VAR	VAR	1,371						
Automated Message Distribution, Determination, Reproduction, & Collating System (AMDDRCS) Replacement - Europe	A	VAR	2	1,069	460	1	460						
TOTAL				5,160			16,350			7,963			6,024

BUDGET PROCUREMENT HISTORY AND PLANNING EXHIBIT (P - 5A)

A. DATE
February 1995

APPROPRIATION / BUDGET ACTIVITY
Other Procurement, Army 2 - Communications and Electronics Equipment

C. P-1 ITEM NOMENCLATURE
DEFENSE MESSAGE SYSTEM (DMS) (BU3770)

LINE ITEM / FISCAL YEAR	CONTRACTOR	CONTRACT METHOD AND TYPE	CONTRACTED BY	AWARD DATE	DATE OF FIRST DELIVERY	QTY	UNIT COST	SPEC AVAIL NOW	SPEC REVIS REQ'D	IF YES, WHEN AVAIL
DMS Components										
FY 94	PRC/ EDS/ CODEX	C/FP	USAF/CECOM	MAR 94	VAR *	VAR	VAR **			
FY 95	GTE/ EDS/ TBS	C/FP	USAF/CECOM	JAN 95	VAR *	VAR	VAR **			
FY 96	TBS	C/FP	USAF	JAN 96	VAR *	VAR	VAR **	YES	NO	
FY 97	TBS	C/FP	USAF	JAN 97	VAR *	VAR	VAR **			
Msg Security Protocol Cards										
FY 94	GROUP TECH CORP	C/FP	NSA	APR 94	VAR *	VAR	VAR ***			
FY 95	GROUP TECH CORP	C/FP	NSA	JAN 95	MAR 95	VAR	VAR ***			
Automated Gateway Messaging System (AGMS)										
FY 95	GTE	C/FP	NAVY	JAN 95	MAR 95	VAR	VAR **			
AMDDRCS Replacement -- Europe										
FY 94	JPL	C/FP	NASA	SEP 94	DEC 95	2	VAR			
FY 95	JPL	C/FP	NASA	FEB 95	APR 95	1	460			

D. Remarks:

EDS - Electronic Data Systems, Reston, VA
PRC - Planning Research Corp, Reston, VA
GROUP TECH CORP, Tampa, FL
NASA - National Aeronautics Space Administration
AMDDRCS - Automated Message Distribution, Determination, Reproduction, and Collating System
CODEX, Alexandria, VA
GTE, Chantilly, VA
JPL - Jet Propulsion Laboratory, Pasadena, CA
AT&T, Greensboro, NC
DISA - Defense Information Systems Agency, Wash DC
* Multiple awards & delivery dates throughout FY.
** Site specific
*** Each card costs $98.00.

REPORTS CONTROL SYMBOL DD-COMP(AR) 1092	BUDGET ITEM JUSTIFICATION SHEET	DATE February 1995
APPROPRIATION / BUDGET ACTIVITY Other Procurement, Army 2 - Communications and Electronics Equipment	P-1 ITEM NOMENCLATURE LOCAL AREA NETWORK (LAN) (BU4165)	

	FY 94	FY 95	FY 96	FY 97	FY 98	FY 99	FY 00	FY 01
QUANTITY								
COST (In Millions)	$ 17.5	$ 22.5	$ 61.5	$ 18.4	$ 18.4	$ 15.5	$ 9.9	$ 9.9

DESCRIPTION: The Installation Information Backbone Data Transport Networks, fielded under this program, are part of the Installation Information Transfer Systems Improvement Program (IITSIP) designed to improve data communications transfer capabilities at Army installations worldwide. This program provides state-of-the-art, high speed, common user, data backbone networks and includes the hardware, software, and interfaces to both site internal and external systems, networks, and terminals, and turnkey approach to the implementation of these networks. The backbone network provides the capability for connections to site workstations, data processing installations, mainframes, and networks while providing access to gateways on the site and the DISN Wide Area Network (WAN) external to the site. The Army is currently utilizing outdated systems, obsolete overstressed telephone resources, and expensive non-standard interim measures to satisfy the increasing data communications requirements. The installation backbone LAN program will ensure a smooth transition to the Army's long term objective architecture. The Army has increased the number of computers in use at installations Armywide. Fielding of these systems and workstations coupled with changes to and fielding of interactive databases for Standard Army Management Information Systems (STAMIS), which require the movement of large amounts of data quickly, has placed the need for increased services on installation information transfer systems. Users, whether in garrison or deployed in support of CONUS-Centric Power Projection Strategy, require access to databases, Data Processing Centers, other networks on their home installation, and common user capabilities of the Defense Data Network (DDN)/DISN. This expansion of data transfer has overloaded the installation data transfer capabilities. To satisfy installation data transfer requirements, it is necessary to upgrade the base communications infrastructure via replacement/upgrade of switches/cable facilities and procurement of backbone networks. The installation backbone will complement the ISDN when this capability becomes available. The backbone provides the means for transferring information within the confines of the Army's posts, camps, and stations and will be provided by a mix of resources, depending on the switching technology used at an installation, the installation's information transfer requirements, and availability of funds. The technical make-up of each backbone will be determined on a case-by-case basis and may have gateways to the DDN/DISN, tenant organizations (including tactical units), commercial, and other common user networks. Acquisition of installation backbones will conform to DOD policy to pursue migration of defense data networks to support the Open Systems Interconnection (OSI) protocols as identified by the Government OSI Profile (GOSIP).

The LAN Program is an integral part of the Power Projection Command Control Communications Computer Infrastructure (P2C4I) initiative. The overall objective of P2C4I is to (1) support communications requirements of deployed forces and their access to home installation sustaining base systems, and (2) emplace Information Systems in a coordinated, synchronized, integrated manner; thereby optimizing funding/personnel resources and maximizing the operational benefits. P2C4I identifies the cooperative role and responsibility for installations in the active, direct execution of the National Military Strategy to project forces beyond the borders of the United States to anywhere in the world with little advance notice. The increased FY 96 funding request reflects implementation of Army's Enterprise Strategy and urgent need to modernize power projection platforms.

REPORTS CONTROL SYMBOL DD-COMP(AR) 1092	BUDGET ITEM JUSTIFICATION SHEET	DATE February 1995

APPROPRIATION / BUDGET ACTIVITY	P-1 ITEM NOMENCLATURE
Other Procurement, Army 2 - Communications and Electronics Equipment	LOCAL AREA NETWORK (LAN) (BU4165)

(Continuation)

JUSTIFICATION: FY 96 and FY 97 funds will engineer, furnish, and install backbone networks at 19 and 6 sites respectively on the HQDA approved Installation Sequence List. The backbone network effort is a continuing project. Installations to be upgraded are determined by the number and locations completed in the prior year. All upgrades will be fielded after full consideration of any BRAC 95 impacts or implications affecting the Installation Sequence List. LAN installation is 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 LAN's 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), Sustaining Base Information Service (SBIS), Joint Computer Aided Acquisition and Logistics System (JCALS), Combined Health Care System(CHCS), and Reserve Component Automation System (RCAS).

(ID CODE A)

WEAPON SYSTEM COST ANALYSIS EXHIBIT (P-5)	A. APPROPRIATION/TITLE/NO. OPA 2 - Communications and Electronics Equipment				B. WEAPON MODEL/SERIES/POPULAR NAME LOCAL AREA NETWORK (LAN) (BU4165)						C. MANUF. Numerous See 5a.	D. DATE February 1995	
WEAPON SYSTEM COST ELEMENTS	IDENT CODE	FY 94 Unit Cost	FY 94 Qty	FY 94 Total Cost	FY 95 Unit Cost	FY 95 Qty	FY 95 Total Cost	FY 96 Unit Cost	FY 96 Qty	FY 96 Total Cost	FY 97 Unit Cost	FY 97 Qty	FY 97 Total Cost
Installation Backbone Local Area Network (LAN)	A	VAR *	2	17,467	VAR *	6	20,992	VAR *	19	61,050	VAR *	6	18,437
Unified Local Area Network Architecture (ULANA) II Minimum Buy	A				1	1	1,500						
LAN/KOREA	A							497	1	497			
* NOTE: Each LAN is site specific and costs vary for each site.													
TOTAL				17,467			22,492			61,547			18,437

BUDGET PROCUREMENT HISTORY AND PLANNING EXHIBIT (P - 5A)

A. DATE: February 1995

B. APPROPRIATION / BUDGET ACTIVITY
Other Procurement, Army 2 - Communications and Electronics Equipment

C. P-1 ITEM NOMENCLATURE
LOCAL AREA NETWORK (LAN) (BU4165)

LINE ITEM / FISCAL YEAR	CONTRACTOR	CONTRACT METHOD AND TYPE	CONTRACTED BY	AWARD DATE	DATE OF FIRST DELIVERY	QTY	UNIT COST	SPEC AVAIL NOW	SPEC REVIS REQ'D	IF YES, WHEN AVAIL
Installation Backbone Local Area Network (LAN)										
FY 94	AT&T	C/FP	USAF	NOV 93 *	APR 94	VAR**	VAR**			
FY 95	AT&T, LORAL, EDS	C/FP	USAF / CECOM	NOV 94 *	JUN 95	6	VAR**			
FY 96	LORAL, EDS	C/FP	USAF / CECOM	NOV 95 *	JUN 96	19	VAR**	YES	NO	
FY 97	LORAL, EDS	C/FP	USAF / CECOM	NOV 96 *	JUN 97	6	VAR**			
ULANA II Minimum Buy										
FY 95	EDS	C/FP	USAF	JAN 95	MAR 95	1	1,500	YES	NO	
LAN/KOREA										
FY 96	TBS	C/FP	USAF	NOV 95	JAN 96	1	497	YES	NO	

D. Remarks:

AT&T, Greensboro, NC
EDS = Electronic Data Systems Corp, Herndon, VA
ULANA = Unified Local Area Network Architecture
LORAL, Springfield VA

* Multiple awards and deliveries throughout the year.
** Site specific/unique, configuration varies by site.

REPORTS CONTROL SYMBOL DD-COMP(AR) 1092	BUDGET ITEM JUSTIFICATION SHEET	DATE February 1995

APPROPRIATION / BUDGET ACTIVITY	P-1 ITEM NOMENCLATURE
Other Procurement, Army 2 - Communications and Electronics Equipment	PENTAGON TELECOM CENTER (PTC) (BQ0100)

	FY 94	FY 95	FY 96	FY 97	FY 98	FY 99	FY 00	FY 01
QUANTITY								
COST (In Millions)	$ 3.5	$ 3.1	$ 2.7	$ 19.7	$ 10.9	$ 13.7	$ 18.9	$ 14.1

DESCRIPTION: This budget line includes funding for the Pentagon Telecommunications Center (PTC) and the Pentagon Information Management and Telecommunications Project. The Pentagon Telecommunications Center Systems (PTCS) provides, by Congressional mandate, General Service (GENSER) message origination and termination services for the headquarters of the military services, the Joint Chiefs of Staff, the Office of the Secretary of Defense, and many other DOD/non-DOD subscribers throughout the National Capital Region. In addition, the PTCS provides needed AUTODIN gateway access to civilian agencies, including the White House, Central Intelligence Agency and Departments of State, Energy, and Commerce. For the subscribers served, the system provides message services for command and control, crisis management, operational and administrative functions.

The Pentagon Renovation Project is an on-going construction project directed by OSD/WHS and implemented by a Resident Program Manager, Corp of Engineers (COE), and a Project Manager for Information Management & Telecommunications (IM&T), Information Systems Command (ISC). PM, IM&T is responsible for relocating existing IM&T facilities while sustaining operations and the implementation for a new Pentagon IM&T physical and electronic infrastructure in concert with COE construction. Relocation includes relocation of the National Military Command Center (NMCC)/Service Operation centers, consolidation of seven Telecommunications Control facilities, collocation of 11 ADP facilities to two facilities and consolidation of 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 FY 97 funding represents Army's share of the multi-service/agency budget requirements. The implementation of IM&T requirements is integral to each phase of the Pentagon Renovation construction program due to the synchronization of both programs.

JUSTIFICATION:
PTC. FY 96 funds will procure DMS equipment platforms and electronic message delivery systems with the objective of providing secure and reliable message delivery to the desktop. The rate at which DMS support technology evolves and DMS migration and deployment strategy is adopted, will dictate the types and quantities of electronic message delivery systems. Beginning in FY 96 we will also start replacing the backup power for the PTCs. Three turbines are over 30 years old and two are over 20 years old. This procurement strategy will continue in FY 97.
Pentagon IM&T Project. FY 97 funds will procure equipment for the uncalssified and classified telecommunication backbones for Wedge 1 renovation of the Pentagon. The new renovated space will include a common-user unclassified and classified telecommunications backbone that will provide the means to transport voice, data, video services throughout the Pentagon and access to global networks. Major equipment for these systems include ATM backbone hubs, single port SONET/SDH interfaces, Multiplexers and Video Broadband/Fiber transmitters.
(ID CODE A)

WEAPON SYSTEM COST ANALYSIS EXHIBIT (P-5)	A. APPROPRIATION/NO. OPA 2 - Communications and Electronics Equipment				B. WEAPON MODEL/SERIES/POPULAR NAME PENTAGON TELECOM CENTER (PTC) (BQ0100)						C. MANUF. Numerous See 5a.	D. DATE February 1995	
		FY 94			FY 95			FY 96			FY 97		
WEAPON SYSTEM COST ELEMENTS	IDENT CODE	Unit Cost	Qty	Total Cost	Unit Cost	Qty	Total Cos	Unit Cost	Qty	Total Cost	Unit Cost	Qty	Total C
PENTAGON TELECOM CENTER:													
Direct Access Storage Device (DASD)	A	71	1	71									
Multiple Automated Printing Sys. (MAPS)	A	342	1	342									
Central Processing Unit (CPU)													
Replacement at PTC and Site R	A	953	2	1,906									
FEP Upgrade (Comm Bases)	A	24	8	191									
Software Upgrade	A	VAR	VAR	764									
LAN Components for PTC	A	52	2	104									
Network Security Monitoring System	A	92	1	92									
COMM Bases for FEP, Site P	A				29	30	869						
COMTEN 5655 FEP	A				549	2	1,098						
Keyboard Video Display Units (KVDU)	A				16	6	93						
Electronic Message Delivery System	A				125	2	250	94	5	468	94	5	468
DMS Compliant Equip Site-P & R	A				VAR	VAR	786	VAR	VAR	791	VAR	VAR	467
Commo S/W Development Host	A										60	1	60
Electronic Message Security Features	A							VAR	VAR	182	VAR	VAR	200
Turbine Generators Site P	A							650	2	1,300	650	2	1,300
Pentagon IM&T Upgrade:													
Unclassified Backbone, Wedge 1	A										10,492	1	10,492
Classified Backbone, Wedge 1	A										6,693	1	6,693
TOTAL				3,470			3,096			2,741			19,680

BUDGET PROCUREMENT HISTORY AND PLANNING EXHIBIT (P - 5A)

A. DATE: February 1995

B. APPROPRIATION / BUDGET ACTIVITY
Other Procurement, Army 2 - Communications and Electronics Equipment

C. P-1 ITEM NOMENCLATURE
PENTAGON TELECOM CENTER (PTC) (BQ0100)

LINE ITEM / FISCAL YEAR	CONTRACTOR	CONTRACT METHOD AND TYPE	CONTRACTED BY	AWARD DATE	DATE OF FIRST DELIVERY	QTY	UNIT COST	SPEC AVAIL NOW	SPEC REVIS REQ'D	IF YES, WHEN AVAIL
Direct Access Storage Dev (DASD)										
FY 94	IBM **	C/FP/OPTION	DSS-W	Feb-94	Sep-94	1	71			
MAPS UNITS										
FY 94	XEROX **	C/FP/OPTION	ISSAA	Feb-94	Jun-94	1	342			
CPU										
FY 94	GDC **	C/FP/OPTION	AIR FORCE	Jul-94	Sep-94	2	953			
Comm Bases for FEP										
FY 94	AT&T/NCR **	C/FP/OPTION	DSS-W	Feb-94	Jun-94	8	24			
Sys S/W Upgrade to ESA										
FY 94	IBM **	C/FP	DSS-W	Jul-94	Jul-94	VAR*	VAR*			
LAN Components for PTC										
FY 94	UNISYS **	C/FP/OPTION	DSS-W	Sep-94	Nov-94	2	52			
Network Security Monitoring System										
FY 94	GTSI **	C/FP/OPTION	DSS-W	Sep-94	Nov-94	1	90			
COMM Bases for FEP, Site P										
FY95	AT&T/NCR **	C/FP/OPTION	DSS-W	Mar-95	May-95	30	29	YES	NO	
COMTEN 5655 FEP										
FY 95	AT&T/NCR **	C/FP/OPTION	DSS-W	Mar-95	May-95	2	549	YES	NO	
Keyboard Video Display (KVDT)										
FY95	IBM **	C/FP	DSS-W	Mar-95	May-95	6	16	YES	NO	

REMARKS:

* Upgrade will be site specific resulting in various unit costs and quantities.

** IBM, Bethesda MD; XEROX Special Information Systems, Pasadena, CA; General Dynamics Corp (GDC), St. Louis, MO; AT&T/NCR Federal Systems Division, Rockville MD; UNISYS, McLean, VA; GTSI, Chantilly, VA; Solar Turbine, Baltimore, MD

MAPS = Multiple Automated Printing System

BUDGET PROCUREMENT HISTORY AND PLANNING EXHIBIT (P-5A)

A. DATE: February 1995

B. APPROPRIATION / BUDGET ACTIVITY
Other Procurement, Army 2 - Communications and Electronics Equipment

C. P-1 ITEM NOMENCLATURE
PENTAGON TELECOM CENTER (PTC) (BQ0100)

LINE ITEM / FISCAL YEAR	CONTRACTOR	CONTRACT METHOD AND TYPE	CONTRACTED BY	AWARD DATE	DATE OF FIRST DELIVERY	QTY	UNIT COST	SPEC AVAIL NOW	SPEC REVIS REQ'D	IF WHEN AVAIL
Electro Msg Delivery Sys										
FY95	Navy	C/FP	DSS-W	Dec-94	Jan-95	2	125	YES	NO	
FY96	TBS	C/FP	DSS-W	Mar-96	May-96	5	94	YES	NO	
FY97	TBS	C/FP	DSS-W	Mar-97	May-97	5	94			
DMS Compliant Equipment										
FY 95	TBS	C/FP/Option	PM Switch Sys	Jun-95	Sep-95	VAR*	VAR*	YES	NO	
FY 96	TBS	C/FP/Option	PM Switch Sys	Mar-96	Jun-96	VAR*	VAR*	YES	NO	
FY 97	TBS	C/FP/Option	PM Switch Sys	Mar-97	Jun-97	VAR*	VAR*			
Commo S/W Dev Host										
FY97	TBS	C/FP	DSS-W	Nov-96	Feb-97	1	60			
Electro Msg Security Features										
FY96	TBS	C/FP	DSS-W	Mar-96	May-96	VAR*	VAR*	YES	NO	
FY97	TBS	C/FP	DSS-W	Mar-97	May-97	VAR*	VAR*			
Turbine Generators										
FY96	Solar Turbine **	C/FP	DSS-W	Mar-96	Jun-96	2	650	YES	NO	
FY97	Solar Turbine **	C/FP	DSS-W	Mar-97	Jun-97	2	650			
Pentagon IM&T Upgrade: Unclassified Backbone, FY 97 Wedge 1	Bell Atlantic ***	C/FP	DSSW	Jan 97	Apr 97	1	10,492	Yes	No	
Classified Backbone, FY97 Wedge 1	Bell Atlantic ***	C/FP	DSSW	Jan 97	Apr 97	1	6,693	Yes	No	

REMARKS:
*Unit costs and quantities will vary by configuration.
** Solar Turbine, Baltimore, MD.
*** TEMPO Contract with Bell Atlantic, Arlington VA

DSSW - Defense Supply Services Washington
TEMPO - Telecommunication Modernization Project

REPORTS CONTROL SYMBOL DD-COMP(AR) 1092	BUDGET ITEM JUSTIFICATION SHEET	DATE FEBRUARY 1995

APPROPRIATION / BUDGET ACTIVITY	P-1 ITEM NOMENCLATURE
Other Procurement, Army 2 - Communications and Electronics Equipment	FOREIGN COUNTERINTELLLIGENCE PROGRAM (BK5282)

	FY 94	FY 95	FY 96	FY 97	FY 98	FY 99	FY 00	FY 01
QUANTITY								
COST (In Millions)	$ 0.3	$ 0.2	$ 0.5	0.5	0.5	0.5	0.5	0.5

CLASSIFIED PROGRAM: INFORMATION WILL BE PROVIDED UPON REQUEST

DD Form 2454	P-1 Shopping List ITEM NO. 51	Page No. 1 OF 1	EXHIBIT P-40

REPORTS CONTROL SYMBOL DD-COMP(AR) 1092	BUDGET ITEM JUSTIFICATION SHEET	DATE FEBRUARY 1995

APPROPRIATION / BUDGET ACTIVITY	P-1 ITEM NOMENCLATURE
Other Procurement, Army 2 - Communications and Electronics Equipment	GENERAL DEFENSE INTELLIGENCE PROGRAM (BD3900)

	FY 94	FY 95	FY 96	FY 97	FY 98	FY 99	FY 00	FY 01
QUANTITY								
COST (In Millions)	$ 33.6	$ 31.1	$ 29.4	$ 21.9	$ 22.7	$ 23.6	$ 24.9	$ 26.2

CLASSIFIED PROGRAM: INFORMATION WILL BE PROVIDED UPON REQUEST

REPORTS CONTROL SYMBOL DD-COMP(AR) 1092	BUDGET ITEM JUSTIFICATION SHEET	DATE FEBRUARY 1995

APPROPRIATION / BUDGET ACTIVITY	P-1 Item Nomenclature
Other Procurement, Army 2 - Communications and Electronics Equipment	ITEMS LESS THAN $2M (Intel Spt) TIARA (BL5278)

	FY 94	FY 95	FY 96	FY 97	FY 98	FY 99	FY 00	FY 01
QUANTITY								
COST (In Millions)	$ 3.6	$ 1.4	$ 2.8	$ 2.2	$ 3.0	$ 3.0	$ 1.5	$ 1.5

DESCRIPTION: This line supports tactical intelligence and related activities for training cryptologic, Signals Intelligence (SIGINT), Electronic Warfare (EW), and Imagery Intelligence (IMINT) skills. Funds will: upgrade training devices to maintain commonality across similar systems; continue development and exploration of transferability of skills among UNIX-based program workstations; enable a seamless learning environment which facilitates time-shifted learning, self-paced study, and participation in realistic synthetic environments. New procedures and environment for training will enable students to work on real-world products and operations in support of the field army. Students in one class will be able to team with students in another class or course in a common networked environment. All training devices should be built to a common simulation data architecture so they can use common data feeds and participate in virtual exercises. Simulations can also be delivered in target languages.

JUSTIFICATION: FY96/97 supports the following requirements:

* Complete transition of MI Simulation Center to full DIS compliance.
* Complete transition of SCI training LAN capabilities to full integration with JWICS Intellink.
* Acquire TRRIP systems and 3-D visualization system for CI/HUMINT training.
* Develop and acquire simulation model for IEW Common Sensor.
* Integration of all Officer unclassified training material into a common software environment with standardized hardware
* Provide every instructor with a common software environment and plug-in networks available in classified and unclassified classrooms to present instruction and to handle training admin. Obtain standardized low end multimedia presentation tools for both AC and RC.
* Develop a high-speed path for all students and instructors to an industry on-line services provider.
* SUN Microsystems to support SIGINT Analyst training for programs such as ASAS and TROJAN.
* Electronic maintenance training support for VHF receiver repairmen for programs such as TEAMMATE, TRAILBLAZER, and PRD-12.
* Imagery Analyst training capabilities which mirror national imagery systems for TENCAP.
* Continuation of Basic Electronic Maintenance Trainer (BEMT) upgrade for programs such as TRAFFICJAM, TEAMMATE, QUICKFIX, and TRACKWOLF.

BUDGET ITEM JUSTIFICATION SHEET

DATE: February 1995

APPROPRIATION/BUDGET ACTIVITY

OPA2/Communications & Electronics Equipment

P-1 ITEM NOMENCLATURE

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

	FY94	FY95	FY96	FY97	FY98	FY99	FY00	FY01
Quantity						2	5	10
COST (In Millions)	33.9	23.4	9.9	7.9	9.1	34.8	65.0	74.8

(U) DESCRIPTION: The All Source Analysis System (ASAS) will provide US Army commanders a means for gaining a timely and comprehensive understanding of Opposing Force (OPFOR) deployments, capabilities, and potential courses of action. The ASAS is a ground based, mobile intelligence processing system designed to provide automated support to the combat commander in the areas of intelligence and collections management, all-source, targeting and situation analysis, single and multi-source processing and reporting, electronic warfare, and operational security as well as support to the generation of intelligence products in those areas. The ASAS program is an evolutionary development effort consisting of three blocks that are designed to produce an automated battlefield intelligence fusion system that fully satisfies Army Operational Requirements. The system interfaces with national Echelons Above Corps (EAC) Intelligence assets, adjacent/higher/lower military intelligence units and Tactical Operational Center (TOC) support elements, Army Command and Control System (ATCCS), airborne, ground stationed and organic deployed Intelligence/Electronic Warfare (IEW) teams and assets. The ASAS also is a user of terrain and weather data. The ASAS system uses Combat Net Radio along with Net Radio Protocol and the Intelligence Digital Message Terminal (AN-PSC-2) to receive the majority of information from forward deployed sensors and teams.

The ASAS Block I System incorporates balanced technology initiative (BTI) for improved timeliness and accuracy of Intelligence Support to the battlefield commander.

In March 1994, the Vice Chief of Staff, Army directed that an accelerated fielding of the ASAS capability across the force (including all Military Intelligence units and National Guard Brigades) be accomplished by FY99. This accelerated fielding, commonly called ASAS-Extended, is being accomplished by issuing ASAS software operating on commercial hardware to provide limited ASAS capability to active force units not receiving ASAS Block I. ASAS-Extended is based on a modular approach which allows for incremental enhancements of ASAS capabilities using the ASAS Block I effort as the initial baseline, leveraging the traditional acquisition successes of ASAS Block I, combining them with relatively low cost NDI equipment, and tailoring the exisitng training and maintenance support structure, all of which allows units to incrementally build to a full ASAS capability as resources permit. ASAS provides the battlefield commander situational awareness of the intelligence picture from national assets to the foxhole, supporting his warfighting decisions.

JUSTIFICATION: FY96 and FY97 funding is used to provide Interim Contractor Support and Project Management Administration Support for ASAS Block I Systems; procure 9 ASAS-Extended systems and modules in FY96 and 13 ASAS-Extended systems and modules in FY97.

Identification Code: A.

NOTE: All funds in parent SSN KA4400 are in SSNK28801.

WEAPON SYSTEM COST ANALYSIS EXHIBIT (P-5)	A. Appropriation/Budget Activity Title/No. OPA2 Communications & Electronics Equipment/K28801	B. WEAPON MODEL/SERIES/POPULAR NAME: ASAS	C. MANUFACTURER NAME PLANT CITY/STATE LOCATION: California Microwave, Inc./Various	D. DATE MONTH/YEAR February 1995

Weapon System Cost Elements	Ident. Code	FY 94 Unit Cost	FY 94 Qty Total Cost	FY 95 Unit Cost	FY 95 Qty Total Cost	FY 96 Unit Cost	FY 96 Qty Total Cost	FY 97 Unit Cost	FY 97 Qty Total Cost
1. Hardware: ASAS Modules	A	*357K	Qty=7 2,500						
ASAS Extended Systems & Modules		800K	Qty=5 3,999	763K	Qty=5 3,817	479K	Qty=9 4,315	391K	Qty=13 5,086
2. Project Management Administration			6,090		5,614		4,352		2,344
3. Engineering Support			2,269		0		0		0
4. Fielding			3,361		6,222		738		386
5. Interim Contractor Support			7,590		6,722		481		75
6. Other			**8,124		1,035		0		0
Total			33,933		23,410		9,886		7,891

* Buys one Compartmented ASAS Message Processing System (CAMPS) which is a low cost compact replacement for the CCS module.
** Includes JPL close-out, LCSEC, and software licenses.

BUDGET PROCUREMENT HISTORY AND PLANNING EXHIBIT (P-5A)

A. DATE
February 1995

B. APPROPRIATION/BUDGET ACTIVITY
OPA2/ Communications & Electronics Equipment

C. P-1 ITEM NOMENCLATURE
ALL SOURCE ANALYSIS SYS (ASAS) (TIARA)

Cost Element/ FISCAL YEAR	CONTRACTOR AND LOCATION	CONTRACT METHOD & TYPE	CONTRACTED BY	AWARD DATE	DATE OF FIRST DELIVERY	QUANTITY	UNIT COST	SPECS AVAILABLE NOW	SPEC REV REQ'D	IF YES, WHEN AVAILABLE
ASAS Module FY94	California Microwave Inc. Woodland Hills, CA	C/CPFF	ATCOM	Oct 93*	Jan 94	7	$357K	Yes	N/A	N/A
ASAS Extended Systems & Modules FY94	Jet Prop Lab Pasadena, CA	SS/CPFF	CECOM	Dec 93	Jan 94	1	$800K	Yes	N/A	N/A
	Sytex,VA	C/CPFF	CECOM	May 94	1.) Jul 94	4	$800K	Yes	N/A	N/A
**FY95	TBS	C/FP	CECOM	Mar 95	Jul 95	5	$763K	Yes	N/A	N/A
**FY96	TBS	C/Option	CECOM	Nov 95	Mar 96	9	$479K	Yes	N/A	N/A
**FY97	TBS	C/Option	CECOM	Nov 96	Mar 97	13	$391K	Yes	N/A	N/A

D. REMARKS

* Date contract was modified to include procurement of Compartmented ASAS Message Processing System (CAMPS) modules.

** Info pertains to CHS II contract award. Commercial equivalents will be used until contract is awarded.

1.) Date equipment purchased by SE/TA contractor.

FY95 BUDGET PRODUCTION SCHEDULE

P-1 ITEM NOMENCLATURE
ALL SOURCE ANALYSIS SYS (ASAS) (TIARA)

DATE: February 1995

ITEM/MANUFACTURER/ PROCUREMENT YEAR	SERV	PROC QTY	ACCEP PRIOR TO 1 OCT	BALANCE DUE AS OF 1 OCT	FY94 OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	FY95 OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	FY96 OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	FY97 OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	LATER
ASAS MODULES (CAMPS) CALIF MICROWAVE/1994	A	7			A			1		2		2		2																																							
*ASAS-E/ VARIOUS/1994	A	5			A			1						2	1					1																																	
*ASAS-E/ VARIOUS/1995	A	5																				A			2	2	1																								
*ASAS-E/ VARIOUS/1996	A	9																													A			3		3			3											
*ASAS-E/ VARIOUS/1997	A	13																																										A			6		7						
TOTAL																																																				

MANUFACTURERS NAME & LOCATION	PRODUCTION RATES MINIMUM SUST.	1-8-5	MAXIMUM	REACHED D+	PROCUREMENT LEAD TIME ADMIN LEAD TIME PRIOR 1 OCT	ADMIN LEAD TIME AFTER 1 OCT	MANUFACTURING TIME	TOTAL AFTER 1 OCT
SEE NOTE								
				INITIAL				
				REORDER				

Remarks

*ASAS-E = ASAS-EXTENDED AND DENOTES SYSTEMS AS WELL AS MODULAR UPGRADES TO SYSTEMS.

NOTE: ASAS-E USES NDI & CHS EQUIPMENT OR COMMERCIAL EQUIVALENTS. THERE IS NO PRODUCTION SCHEDULE FOR ASAS; RATHER, THIS IS A PRODUCTION CONTRACT UNDER THE PURVIEW OF PM, COMMON HARDWARE/SOFTWARE.

BUDGET ITEM JUSTIFICATION SHEET					DATE: February 1995			
APPROPRIATION/BUDGET ACTIVITY: OTHER PROCUREMENT, ARMY 2 – COMMUNICATIONS & ELECTRONICS EQUIPMENT					P–1 ITEM NOMENCLATURE: COMMANDERS TACTICAL TERM(CTT)(TIARA) (V29600)			
	FY94	FY95	FY96	FY97	FY98	FY99	FY00	FY01
QUANTITY	2	17	33	58	51	51	57	61
COST (IN MILLIONS)	$6.5	$11.6	$11.3	$14.6	$12.3	$12.8	$14.0	$14.6

DESCRIPTION:

The Commanders Tactical Terminal (CTT) is a family of special application UHF Line of Sight (LOS) /Satellite Communications (SATCOM) Secure Intelligence dissemination reporting system 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. The system consists of: Communications Terminal (CT) equipment (quantities reflected above); Secure Data System (SDS); Radio Relay System (RRS); Radio Relay Test Set (RRTS) and antennas. The CT consists of: the one channel CTT fielded to V Corps and XVIII Corps; 2 channel CTT/H–R (Hybrid – Receive only) and 3 channel CTT/H and CTT/H–R (Receive only). The one channel utilizes the Tactical / Reconnaissance eXchange System (TRIX) network. The 2 and 3 channels can receive data on TRIX, Tactical Information Broadcast Service (TIBS), Tactical Receive Equipment and Related APplications (TRAPS), and Tactical Data Information eXchange System (TADIXS) networks. In addition the 3 channel can also employ generic UHF frequencies.

The CTT 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 CTT facilitates reaction inside the enemy decision cycle and is necessary in winning the information war on the battlefield.

JUSTIFICATION:

FY 96/97 funding is required to procure sufficient CTT hardware to meet urgent user requirements. For fiscal years 96/97, all quantities are three channel variants that will be fielded to the US Army Contingency Corps or other high priority units. CTT can be fielded in either a stand alone configuration, or integrated into other systems in in support of tactical commanders. CTT is an integral part of the Army's high priority initiative to digitize the battlefield and delivers critical targeting and intelligence data from a wide variety of sensors. The CTT/H and CTT/H–R are critical force multiplier links in providing NRT targeting and intelligence data to tactical commanders through all theaters and echelons of operations.

(ID Code B)

WEAPON SYSTEM COST ANALYSIS COMMANDERS TACTICAL (CTT) (TIARA) (V29600)	A. Appropriation/Budget Activity Title/No. OTHER PROCUREMENT, ARMY ; COMMUNICATIONS & ELECTRONICS EQUIP	B. WEAPON MODEL MODEL/SERIES/POPULAR NAME COMMANDERS TACTICAL (CTT)	C. MANUFACTURER NAME PLANT CITY/STATE LOCATION E-SYSTEMS ST. PETERSBURG, FL	D. DATE: Feb 1995

Weapon System Cost Elements	IDENT CODE	FY94 Unit Cost	FY94 Qty	FY94 Total Cost	FY95 Unit Cost	FY95 Qty	FY95 Total Cost	FY96 Unit Cost	FY96 Qty	FY96 Total Cost	FY97 Unit Cost	FY97 Qty	FY97 Total Cost
HARDWARE													
CTT (2 CH) (FY94)	B	141	*23	3254									
CTT (3 CH/R) (FY97)	B										175	36	6270
CTT (3 CH) (FY95-97)	B				265	17	4505	265	33	8745	260	22	5744
SUPPORT													
ECO'S				0			224			365			298
DATA				414			2471			191			130
SYS TEST & EVAL				502			2166			242			232
ENGINEERING SPT				1739			1504			1200			1312
IN-HOUSE				(581)			(440)			(490)			(520)
CONTRACTOR				(1158)			(1064)			(710)			(792)
FIELDING				250			422			205			198
PROGRAM MGMT (ADMIN)				338			352			366			388
TOTAL				6497			11644			11314			14572

* 23 CTT/H-R PROCURED IN FY94 DUE TO REVISED PROCUREMENT STRATEGY. PREVIOSLY REPORTED QUANTITY WAS 2.

BUDGET PROCUREMENT HISTORY & PLANNING	DATE: February 1995
APPROPRIATION/BUDGET ACTIVITY: OTHER PROCUREMENT, ARMY 2-COMMUNICATIONS AND ELECTRONICS EQUIPMENT	P-1 ITEM NOMENCLATURE: COMMANDERS TACTICAL TERMINAL (CTT)(TIARA)(V29600)

COST ELEM FISCAL YR	CONTRACTOR AND LOCATION	CONTRACT METHOD & TYPE	CONTRACTED BY	AWARD DATE	DATE OF FIRST DELIVERY	QTY	(000) UNIT COST	SPECS AVAIL NOW	SPEC REV REQ'D	IF YES, WHEN AVAIL
2 CH FY94	E-SYSTEMS ST.PETERSBURG,FL	SS/FP *	USAF	MAY 94	OCT 95	23	141	YES	NO	
3 CH FY95	E-SYSTEMS ST.PETERSBURG,FL	SS/FP *	CECOM	MAR 95	SEP 96	17	265	YES	NO	
3 CH FY96	E-SYSTEMS ST.PETERSBURG,FL	SS/FP	CECOM	DEC 95	FEB 97	33	265	YES	NO	
3 CH FY97	E-SYSTEMS ST.PETERSBURG,FL	SS/FP	CECOM OPTION	NOV 96	NOV 97	36 (3 CH/R) 22 (3CH)	175 260	YES	NO	

REMARKS:

* MOD TO EXISTING CONTRACT

P-1 SHOPPING LIST
ITEM NO. 55

EXHIBIT P-5A

UNCLASSIFIED

PRODUCTION SCHEDULE (EXHIBIT P-21)

DATE: February 1995

APPROPRIATION/BUDGET ACTIVITY: OTHER PROCUREMENT, ARMY 2, COMMUNICATIONS AND ELECTRONICS EQUIPMENT

P-1 ITEM NOMENCLATURE: COMMANDERS TACTICAL TERM (CTT) (TIARA) (V29600)

FACILITY NO.	U/M	SERV	PROGRAM QUANTITY FY 94P	FY 95	FY 96	FY 97	FY 98	ACCEPT PRIOR TO 1 OCT 94	BALANCE DUE AS OF 1 OCT 94	FISCAL YEAR 95 CALENDAR YEAR 95 OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	FISCAL YEAR 96 CALENDAR YEAR 96 OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	FISCAL YEAR 97 CALENDAR YEAR 97 OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	LATER
1		A	45					39	6					1	1	1	1	1	1																													0
1		A	23						23													3	4	4	4	4	4																					0
1		A		17					17						A																					4	4	4	3	2									0
1		A			33				33															A																	2	3	4	4	4	4	4	4	4
1		A				58			58																														A											58
TOTAL								39	137	0	0	0	0	1	1	1	1	1	1	0	0	3	4	4	4	4	4	0	0	0	0	0	4	4	4	3	2	2	3	4	4	4	4	4	4	62

FACILITY NO.	MANUFACTURER'S NAME AND LOCATION	PRODUCTION RATES MINIMUM SUSTAIN	1-6-6	MAXIMUM	MONTHS TO REACH MAX AFTER D-DAY
1	E-SYSTEMS INC, ST PETERSBURG, FL	2	5	14	7

PROCUREMENT LEAD TIME	ADMIN LEAD TIME PRIOR 1 OCT	ADMIN LEAD TIME AFTER 1 OCT	MANUFACTURING TIME	TOTAL AFTER 1 OCT
INITIAL	6	3	14	23
REORDER	2	1	12	15

REMARKS

FY 93-94 QUANTITIES ARE OFF A LARGER USAF PRODUCTION RUN.
THERE IS NO BREAK IN THE PRODUCTION PROGRAM.

P-1 SHOPPING LIST ITEM NO. 55

UNCLASSIFIED

UNCLASSIFIED

PRODUCTION SCHEDULE (EXHIBIT P-21)

DATE: February 1995

APPROPRIATION/BUDGET ACTIVITY
OTHER PROCUREMENT, ARMY 2, COMMUNICATIONS AND ELECTRONICS EQUIPMENT

P-1 ITEM NOMENCLATURE
COMMANDERS TACTICAL TERM (CTT) (TIARA) (V29600)

FACILITY NO.	U/M	SERV	PROGRAM QUANTITY FY 94P	FY 95	FY 96	FY 97	FY 98	ACCEPT PRIOR TO 1 OCT 97	BALANCE DUE AS OF 1 OCT 97	FISCAL YEAR 98 / CALENDAR YEAR 98 OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	FISCAL YEAR 99 / CALENDAR YEAR 99 OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	FISCAL YEAR 00 / CALENDAR YEAR 00 OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	LATER
1		A	45					45	0																																							0
1		A	23					23	0																																								0
1		A		17				17	0																																								0
1		A			33			29	4	4																																								0
1		A				58		0	58		4	5	5	5	5	5	5	5	5	5	5	4																											0
TOTAL								114	62	4	4	5	5	5	5	5	5	5	5	5	5	4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	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	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	

FACILITY NO.	MANUFACTURER'S NAME AND LOCATION	PRODUCTION RATES MINIMUM SUSTAIN	144	MAXIMUM	MONTHS TO REACH MAX AFTER D-DAY
1	E-SYSTEMS INC, ST PETERSBURG, FL	2	5	14	7

PROCUREMENT LEAD TIME	ADMIN LEAD TIME PRIOR 1 OCT	ADMIN LEAD TIME AFTER 1 OCT	MANU-FACTURING TIME	TOTAL AFTER 1 OCT
INITIAL	6	3	14	23
REORDER	2	1	12	15

REMARKS

FY 94 QUANTITIES ARE OFF A LARGER USAF PRODUCTION RUN.
THERE IS NO BREAK IN THE PRODUCTION PROGRAM.

P-1 SHOPPING LIST ITEM NO. 55

EXHIBIT P-21

UNCLASSIFIED

REPORTS CONTROL SYMBOL DD-COMP (AR) 1092	"CODE B" ITEM DESCRIPTION	DATE: February 1995

APPROPRIATION/BUDGET ACTIVITY:
OTHER PROCUREMENT, ARMY 2
COMMUNICATIONS AND ELECTRONICS EQUIPMENT

P-1 ITEM NOMENCLATURE:
COMMANDERS TACTICAL TERM(CTT)(TIARA) (V29600)

CURRENT DEVELOPMENT AND TEST STATUS:

		CURRENT START DATE	SCHEDULE DATE LAST REPORTED	REASON FOR DELAY
3CH CTT/H & 3CH CTT/H-R OPERATIONAL TEST	PLAN/ACTUAL	NA	NA	OPERATIONAL TESTS TO BE CONDUCTED WITH HOST PLATFORM.
PERFORMANCE SPEC (3 CH)	PLAN/ACTUAL	SEP 94	SEP 94	

ESTIMATED DATE OF APPROVAL FOR SERVICE USE:
LRIP DECISION APPROVED MAY 88 TC-LP; CONTINUED 3 CHANNEL LOW RATE PRODUCTION (LRP). MS III - NOV 95.

EQUIPMENT ITEM(S) TO BE REPLACED: TACTICAL COMMANDERS TERMINAL (TCT) AN/TSC-87
IMPROVED COMMANDERS TACTICAL TERMINAL (ICTT) AN/TSC-116

EXTENT OF IMPROVEMENT OVER ITEM(S) EQUIPMENT TO BE REPLACED:
1) SERVICE (ARMY/AIR FORCE/NAVY/MARINE CORPS) AND TACTICAL INTELLIGENCE DISSEMINATION (TID) NETWORK BROADCAST (TRIXS / TIBS / TADIXS / GENERIC UHF) INTEROPERABILITY.
2) REDUCTION IN SIZE, WEIGHT, AND PWR RQMTS. 3)ANTI-JAM CAPABILITY. 4)EMBEDDED CRYPTO.
5) INCREASED DATA THROUGHPUT. 6) FULL DUPLEX DATA. 7)FIELD MESSAGE GENERATION.

DEVELOPMENT CONTRACT INFORMATION:

CONTRACTOR NAME	PLANT LOCATION	COMPONENT	THRU FY93	CYR 94	BYR 95	BEYOND BYR
E-SYSTEMS	ST PETERSBURG, FL	AN/TSC-125				
TOTAL RDT&E FUNDING	CONDUCTED BY USAF THROUGH		$39.4M			
	DEF AGENCY FUNDING/DCP					
	ARMY R&D		$4.0M			

REMARKS:
FY93 OT was an Operational Limited User Test to support a CTT and 2 CH CTT/H-R fielding decision, and continue Low Rate Production.

BUDGET ITEM JUSTIFICATION SHEET					DATE: February 1995			
APPROPRIATION/BUDGET ACTIVITY: OTHER PROCUREMENT, ARMY 2 - COMMUNICATIONS & ELECTRONICS EQUIPMENT					P-1 ITEM NOMENCLATURE: HF COMINT SYSTEM (TIARA) (V18200)			
	FY94	FY95	FY96	FY97	FY98	FY99	FY00	FY01
QUANTITY	1							
COST (IN MILLIONS)	21.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0

DESCRIPTION:
The need for an HF COMINT System (Enhanced TRACKWOLF), AN/TSQ-199, is an outgrowth of the TRACKWOLF, AN/TSQ-152, system procured in FY89 to satisfy the Army's urgent requirement for a High Frequency (HF) skywave Communications Intelligence (COMINT) system which is targeted against enemy command, control, communication and intelligence emitters at theater and higher echelons in support of intelligence and targeting requirements. It provides essential information (situation development, indications and warnings of enemy force dispositions, and emitter location data) required by deep attack systems and for theater level force allocations. Enhanced TRACKWOLF has three major functions: HF Collection, Direction Finding, and Management and Analysis. Enhanced TRACKWOLF provides detection, recognition, collection and direction finding of Low Probability of Intercept (LPI) communications, digital data and burst. Each subsystem is ground based, deployable asset capable of independent operation providing the commander greater flexibility in the conduct of situation deployment and HF COMINT operations against High Value Targets (HVT). Enhanced TRACKWOLF equipment will be installed/integrated in a transit-case configuration to provide for mobility, transportability and rapid deployment in support of contingency operations.

JUSTIFICATION:
The Enhanced TRACKWOLF system is being produced in response to an Operational Requirements Document (ORD) to provide HF COMINT support to Corps and Echelon Above Corps (EAC) field commanders. The objective of the FY94 acquisition, based on lessons learned from Desert Storm, is to incorporate Non-Developmental Items (NDI) assets to produce a down-sized version of the initial TRACKWOLF system currently deployed in Europe. This system also addresses Congressional concerns regarding the need for a rapid deployable HF COMINT system. This ground based system provides the Commander with an organic capability to intercept, locate, exploit, or initially target for destruction sources of threat High Frequency (HF) voice communications. This system can be tailored extensively to meet a wide range of mission objectives giving immediately to the Theater Commander early, reliable, and critical intelligence throughout his entire area of interest prior to, as well as after, initiation of hostilities.

WEAPON SYSTEM COST ANALYSIS EXHIBIT (P-5)	A. APPROPRIATION/BUDGET ACTIVITY TITLE/NO: Other Procurement, Army 2-Communications Electronics Equipment	B. WEAPON MODEL/SERIES/POPULAR NAME: HF COMINT SYSTEM (TIARA)	C. MANUFACTURER NAME PLAN STATE LOCATION: ERA, 1495 Springhill Road Vienna, VA 22182	D. DATE: February 1995

Weapon System Cost Elements	Ident. code	FY94 Unit Cost	FY94 Qty	FY94 Total Cost	FY95 Unit Cost	FY95 Qty	FY95 Total Cost	FY96 Unit Cost	FY96 Qty	FY96 Total Cost	FY97 Unit Cost	FY97 Qty	FY97 Total Cost
HARDWARE	B	19,705	1	19,705									
SUPPORT													
ECO'S				0									
DATA				300									
SYS TEST & EVAL				0									
ENGINEERING SPT													
IN-HOUSE				1,400									
CONTRACT				242									
FIELDING				100									
PROGRAM MGMT (ADMIN)				70									
TOTAL				21,817									

BUDGET PROCUREMENT HISTORY AND PLANNING EXHIBIT (P-5A)					DATE: February 1995					
B. APPROPRIATION/BUDGET ACTIVITY: OTHER PROCUREMENT, ARMY 2-COMMUNICATIONS AND ELECTRONICS EQUIPMENT					C. P-1 ITEM NOMENCLATURE HF COMINT SYSTEM (TIARA) (V18200)					
LINE ITEM/ FISCAL YR	CONTRACTOR AND LOCATION	CONTRACT METHOD & TYPE	CONTRACTED BY	AWARD DATE	DATE OF FIRST DELIVERY	QTY	UNIT COST	SPECS AVAIL NOW	SPEC REV REQ'D	IF YES, WHEN AVAIL
ENHANCED TRACK-WOLF FY 94	ENGINEERING RESEARCH ASSOCIATES. VIENNA, VA	C/FPAF	CECOM	MAR 94	MAR 96	1	19,705	YES		

D. REMARKS:

EXHIBIT P-5A

P-1 SHOPPING LIST
ITEM NO. 56

UNCLASSIFIED

PRODUCTION SCHEDULE (EXHIBIT P-21)

DATE: February 1995

APPROPRIATION/BUDGET ACTIVITY
OTHER PROCUREMENT, ARMY 2, COMMUNICATIONS AND ELECTRONICS EQUIPMENT

P-1 ITEM NOMENCLATURE
HF COMINT SYSTEM (TIARA) (V18200)

FACILITY NO.	U/M	SERV	PROGRAM QUANTITY FY 93P	FY 94	FY 95	FY 96	FY 97	ACCEPT PRIOR TO 1 OCT 94	BALANCE DUE AS OF 1 OCT 94	FISCAL YEAR 95														FISCAL YEAR 96												FISCAL YEAR 97											
										CALENDAR YEAR 95														CALENDAR YEAR 96												CALENDAR YEAR 97											
										OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	LATER
1		A		1				0	1																		1																			1
TOTAL								0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1
										OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	

FACILITY NO.	MANUFACTURER'S NAME AND LOCATION	PRODUCTION RATES MINIMUM SUSTAIN	1-6-5	MAXIMUM	MONTHS TO REACH MAX AFTER D-DAY
1	ERA, Vienna, VA	1	1	1	24

PROCUREMENT LEAD TIME

	ADMIN LEAD TIME PRIOR 1 OCT	ADMIN LEAD TIME AFTER 1 OCT	MANU-FACTURING TIME	TOTAL AFTER 1 OCT
INITIAL	12	5	24	29
REORDER				

REMARKS

EXHIBIT P-21

P-1 SHOPPING LIST
ITEM NO. 56

UNCLASSIFIED

REPORTS CONTROL SYMBOL DD-COMP (AR) 1092	"CODE B" ITEM DESCRIPTION	DATE: February 1995

APPROPRIATION/BUDGET ACTIVITY:
OTHER PROCUREMENT, ARMY 2
COMMUNICATIONS AND ELECTRONICS EQUIPMENT

P-1 ITEM NOMENCLATURE:
HF COMINT SYSTEM (TIARA) (V18200)

CURRENT DEVELOPMENT AND TEST STATUS:

		CURRENT START DATE	SCHEDULE DATE LAST REPORTED	REASON FOR DELAY
DEV TEST & EVAL (DT&E)	PLAN/ACTUAL			
INITIAL OPER TEST & EVAL (IOT&E)	PLAN/ACTUAL	MAR 92		
OPER TEST & EVAL (OT&E)	PLAN/ACTUAL	NOV 95		
AVAIL DATE OF TECH DATA PKG (TDP) OR PERFORMANCE SPECIFICATIONS		JAN 93		

ESTIMATED DATE OF APPROVAL FOR SERVICE USE: APR 96

EQUIPMENT ITEM(S) TO BE REPLACED: AN/MSA-34 Operational Unit Transportable System (OUTS) (collection system) and AN/TRD-23A, Radio Direction Finder Set (DF System) at 201st MI BN.

EXTENT OF IMPROVEMENT OVER ITEM(S) EQUIPMENT TO BE REPLACED: The enhanced technology to allow high speed identification, collection and processing of threat HF communications signals in an increasingly sophisticated and dense environment. Increase responsiveness to theater commander's tasking and reporting requirements. This system can be tailored extensively to meet a wide range of mission objectives, giving immediately to the Theater Commander early, reliable, critical intelligence throughout his entire area of interest prior to initiation of hostilities.

DEVELOPMENT CONTRACT INFORMATION:

CONTRACTOR NAME	PLANT LOCATION	COMPONENT	THRU FY94	CYR 95	BYR 96	BEYOND BYR
QUESTECH Incorporated	Falls Church, VA	Map Graphics Enhancements	2.900			
GTE Incorporated	Mountain View, CA	Wintercat II	0.700			
US Army CECOM IEWD	VHFS, Warrenton, VA	Man/Machine Interface	0.900			
		TOTAL	4.500			

REMARKS:

BUDGET ITEM JUSTIFICATION SHEET | DATE: February 1995

APPROPRIATION/BUDGET ACTIVITY:

OTHER PROCUREMENT, ARMY 2 - COMMUNICATIONS & ELECTRONICS EQUIPMENT

P-1 ITEM NOMENCLATURE:

IEW- GND BASE COMMON SENSORS (TIARA) (BZ7326)

	FY94	FY95	FY96	FY97	FY98	FY99	FY00	FY01
QUANTITY								
COST (IN MILLIONS)	0.0	58.4	46.9	46.6	45.2	47.3	47.4	59.4

DESCRIPTION:

Ground Based Common Sensor (GBCS) is an absolute "win the battlefield information war" element. GBCS provides the Commanders of Army Divisions, Armored Cavalry Regiments, and Separate Brigades with an organic capability to listen to, precisely locate for hard kill or order-of-battle resolution, or render ineffective through electronic attack opposition command and control and fire control communications nets and identify and precisely locate opposition counter/mortar and counter/battery ground surveillance radar emissions. The system is in two configurations specifically designed to ensure transportability, prime mover maintainability, and over terrain mobility equal to that of the supported divisions, regiments, and brigades. GBCS-Light is in a High Mobility Multipurpose Wheeled Vehicle (HMMWV) for deployment with first to fight, Light, Airborne, and Air Assault elements in support of contingency operations. GBCS-Heavy is configured on a derivative of the Bradley Fighting Vehicle System, the Electronic Fighting Vehicle System (EFVS), which is being developed in concert with the Command and Control Vehicle (C2V), for deployment with Heavy and Armored elements. It is the Army's only on-the-move, on-the-ground, all weather, all terrain, self-contained, fully integrated, 24-hour-a-day, signals intelligence and electronic attack asset.

GBCS exploits or eliminates - at the Commander's discretion - the latest, most modern types of hostile modulations, including modern Radar and frequency hopping communications, and transmissions techniques at the key time and place on the battlefield. When deployed in conjunction with Advanced QUICKFIX, it's heliborne counterpart, GBCS provides for targeting accuracy sufficient for first round hit by organic artillery.

GBCS mission equipment is also being configured in a Light Armored Vehicle (LAV) for use by the United States Marine Corps.

JUSTIFICATION:

The FY96 funds completes the Limited Procurement Urgent in response to the Department of the Army approved Operational Needs Statement for contingency forces. The FY97 funds continues the GBCS production line with the initiation of full rate production to support Department of the Army approved Operational Requirements Document. Sensor subsystems to be incorporated in FY96 include: (1) TACJAM-A ESM (Electronic Support Measures) subsystem to intercept and locate conventional, digital data, burst, and frequency hopping communications; (2) CHALS-X precision location subsystem to provide for location accuracies of communications emitters sufficient for targeting by organic artillery; and (3) CMES ELINT subsystem to identify and locate, also with targeting accuracies, hostile conventional and modern modulation counter mortar and counter battery ground surveillance radars. The FY97 systems will also include the TACJAM-A Electronic Attack subsystem to provide for surgical jamming of conventional, digital data, burst, and frequency hopping communications.

WEAPON SYSTEM COST ANALYSIS EXHIBIT (P-5)	A. Appropriation/Budget Activity Title/N Other Procurement, Army 2- Communications Electronics Equipment	B. WEAPON MODEL/SERIES/POPULAR POPULAR NAME: IEW-GND BASE COMMON COMMON SENSOR	C. MANUFACTURER NAME PLANT, CITY/STATE LOCATION: ESI, Incorporated Richardson, TX	D. DATE: February 1995

Weapon System Cost Elements	Ident. code	FY94 Unit Cost	FY94 Qty	FY94 Total Cost	FY95 Unit Cost	FY95 Qty	FY95 Total Cost	FY96 Unit Cost	FY96 Qty	FY96 Total Cost	FY97 Unit Cost	FY97 Qty	FY97 Total Cost
HARDWARE	B				9,023	6	54,135	7,310	5	36,550	8,670	5	43,350
TACJAM-A ESM							(23,786)			(16,000)			(13,000)
TACJAM-A ECM							0			0			(5,350)
CHALS-X							(9,384)			(7,500)			(7,350)
CMES							(5,745)			(4,000)			(3,900)
GBCS-L INTEGRATION/CFE							(15,220)			(9,050)			(13,750)
SUPPORT													
FACILITIES							0			4,550			0
ECO'S							0			1,300			200
DATA							1,441			1,000			398
SYS TEST & EVAL							2,128			1,300			295
ENGINEERING SPT													
IN-HOUSE							345			1,400			1,388
CONTRACT							200			200			200
FIELDING							0			387			500
PROGRAM MGMT (ADMIN)							156			250			250
TOTAL							58,405			46,937			46,581

BUDGET PROCUREMENT HISTORY AND PLANNING EXHIBIT (P-5A)	A. DATE: February 1995
B. APPROPRIATION/BUDGET ACTIVITY: OTHER PROCUREMENT, ARMY 2-COMMUNICATIONS AND ELECTRONICS EQUIPMENT	C. P-1 ITEM NOMENCLATURE IEW - GND BASE COMMON SENSORS (TIARA) (BZ7326)

LINE ITEM/ FISCAL YR	CONTRACTOR AND LOCATION	CONTRACT METHOD & TYPE	CONTRACTED BY	AWARD DATE	DATE OF FIRST DELIVERY	QTY	UNIT COST	SPECS AVAIL NOW	SPEC REV REQ'D	IF YES, WHEN AVAIL
GBCS FY95	ESI Incorporated Richardson, TX	C/FP (OPTION)	CECOM	DEC 94	JAN 97	6	9,023	YES		
GBCS FY96	To Be Selected	C/FP	CECOM	OCT 95	JUL 97	5	7,310	YES		
GBCS FY97	To Be Selected	C/FP (OPTION)	CECOM	OCT 96	JUL 98	5	8,670	NO	YES	MAY 96

D. REMARKS:

FY95 is an exercise of option to the existing development contract for limited procurement (urgent) requirement.
FY96 initiates competitive production.
FY97 provides contract option for additional systems and also includes a communications jamming (TACJAM-A ECM) subsystem.

EXHIBIT P-5A

P-1 SHOPPING LIST
ITEM NO. 57

UNCLASSIFIED

PRODUCTION SCHEDULE (EXHIBIT P-21)

DATE: February 1995

APPROPRIATION/BUDGET ACTIVITY
OTHER PROCUREMENT, ARMY 2, COMMUNICATIONS AND ELECTRONICS EQUIPMENT

P-1 ITEM NOMENCLATURE
IEW - GND BASE COMMON SENSORS (TIARA) (BZ7326)

FACILITY NO.	U/M	SERV	PROGRAM QUANTITY FY 93P	FY 94	FY 95	FY 96	FY 97	ACCEPT PRIOR TO 1 OCT 94	BALANCE DUE AS OF 1 OCT 94	FISCAL YEAR 95 / CALENDAR YEAR 95 OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1		A			6			0	6			A									
2		A				5		0	5												
2		A					5	0	5												
TOTAL								0	16	0	0	0	0	0	0	0	0	0	0	0	0

FACILITY NO.	U/M	SERV	FISCAL YEAR 96 / CALENDAR YEAR 96 OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1		A												
2		A	A											
2		A												
TOTAL			0	0	0	0	0	0	0	0	0	0	0	0

FACILITY NO.	U/M	SERV	FISCAL YEAR 97 / CALENDAR YEAR 97 OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	LATER
1		A				2	1	2	1						0
2		A										1	1	1	2
2		A	A												5
TOTAL			0	0	0	2	1	2	1	0	0	1	1	1	7

FACILITY NO.	MANUFACTURER'S NAME AND LOCATION	PRODUCTION RATES MINIMUM SUSTAIN	1-2-3	MAXIMUM	MONTHS TO REACH MAX AFTER D-DAY
1	ESI, INCORPORATED Richardson, TX	1	2	6	12
2	To Be Selected				

PROCUREMENT LEAD TIME

	ADMIN LEAD TIME PRIOR 1 OCT	ADMIN LEAD TIME AFTER 1 OCT	MANUFACTURING TIME	TOTAL AFTER 1 OCT
INITIAL	12	3	25	28
REORDER	12	1	21	22

REMARKS

FY95 OPTION ON EXISTING CONTRACT.
FY96 NEW COMPETITIVE CONTRACT.
FY97 INCLUDES TACJAM-A ECM

The GBCS mission equipment is being procured by the Marines for their Mobile Electronic Warfare Support System (MEWSS) as well as for the Army's Advanced QUICKFIX helibome system and initial spares. It is anticipated there will be no break in production.

EXHIBIT P-21

P-1 SHOPPING LIST ITEM NO. 57

UNCLASSIFIED

UNCLASSIFIED

PRODUCTION SCHEDULE (EXHIBIT P-21)

DATE: February 1995

APPROPRIATION/BUDGET ACTIVITY
OTHER PROCUREMENT, ARMY 2, COMMUNICATIONS AND ELECTRONICS EQUIPMENT

P-1 ITEM NOMENCLATURE
IEW - GND BASE COMMON SENSORS (TIARA) (BZ7326)

FACILITY NO.	U/M	SERV	PROGRAM QUANTITY FY 93P	FY 94	FY 95	FY 96	FY 97	ACCEPT PRIOR TO 1 OCT 97	BALANCE DUE AS OF 1 OCT 97	FISCAL YEAR 98 / CALENDAR YEAR 98 OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	FISCAL YEAR 99 / CALENDAR YEAR 99 OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	FISCAL YEAR 00 / CALENDAR YEAR 00 OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	LATER
1		A			6			6	0																																					0
2		A				5		3	2	1	1																																				0
2		A					5	0	5										1	1	1	1	1																								0
TOTAL								9	7	1	1	0	0	0	0	0	0	0	1	1	1	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

FACILITY NO.	MANUFACTURER'S NAME AND LOCATION
1	ESI, INCORPORATED RICHARDSON, TX
2	To Be Selected

PRODUCTION RATES

MINIMUM SUSTAIN	1-8-8	MAXIMUM	MONTHS TO REACH MAX AFTER D-DAY
1	2	6	12

PROCUREMENT LEAD TIME

	ADMIN LEAD TIME PRIOR 1 OCT	ADMIN LEAD TIME AFTER 1 OCT	MANUFACTURING TIME	TOTAL AFTER 1 OCT
INITIAL	12	3	25	28
REORDER	12	1	21	22

REMARKS

FY95 OPTION ON EXISTING CONTRACT.
FY96 NEW COMPETITIVE CONTRACT.
FY97 INCLUDES TACJAM-A ECM

The GBCS mision equipment is being procured by the Marines for their Mobile Electronic Warfare Support System (MEWSS) as well as for the Army's Advanced QUICKFIX heliborne system and initial spares. It is anticipated there will be no break in production.

EXHIBIT P-21

P-1 SHOPPING LIST
ITEM NO. 57

UNCLASSIFIED

REPORTS CONTROL SYMBOL DD-COMP (AR) 1092	"CODE B" ITEM DESCRIPTION	DATE: February 1995

APPROPRIATION/BUDGET ACTIVITY:
OTHER PROCUREMENT, ARMY 2
COMMUNICATIONS AND ELECTRONICS EQUIPMENT

P-1 ITEM NOMENCLATURE:
IEW - GND BASE COMMON SENSORS (TIARA)
(BZ7326)

CURRENT DEVELOPMENT AND TEST STATUS:

		CURRENT START DATE	SCHEDULE DATE LAST REPORTED	REASON FOR DELAY
AVAIL DATE OF TECH DATA PKG (TDP) FOR GBCS-L (LPU SYS)		SEP 94	SEP 94	
CUSTOMER TEST/DEV TEST	PLAN/ACTUAL	FEB 95	JAN 95	TECHNICAL DIFFICULTIES EXPERIENCED DURING FINAL SOFTWARE INTEGRATION AND DEVELOPMENT OF DIRECTION FINDING CALIBRATION TABLES.
INITIAL OPER TEST & EVAL (IOT&E)/LUT	PLAN/ACTUAL	MAY 95	APR 95	
AVAIL DATE OF TECH DATA PKG (TDP) FOR GBCS		SEP 95	SEP 95	

ESTIMATED DATE OF APPROVAL FOR SERVICE USE: APR 89 Type Classification for Limited Production Urgent (LPU). Type classify standard Sep 96.

EQUIPMENT ITEM(S) TO BE REPLACED: TEAMMATE, TRAILBLAZER, TACJAM, TEAMPACK, TRAFFIC JAM

EXTENT OF IMPROVEMENT OVER ITEM(S) EQUIPMENT TO BE REPLACED: This effort will field a communications and electronics intelligence capability to operate against modern types, frequency hoppers, digital data and burst increase the frequency range, provide emitter locations of targeting accuracy and incorporate an electronic countermeasures capability. The GBCS system will interoperate with Advanced QUICKFIX and will utilize common modular sensor systems.

DEVELOPMENT CONTRACT INFORMATION:

CONTRACTOR NAME	PLANT LOCATION	COMPONENT	THRU FY94	CYR 95	BYR 96	BEYOND BYR
ESI, Inc.	Richardson, TX	GBCS System Integrator	90	40	5	5
Joint Venture: AEL, Inc/Saunders	Lansdale, PA/Nashua, NH	TACJAM-A (PE 64270/DL12)	187	19	5	0
LORAL	Owego, NY	CHALS-X	44	2	2	0
United Defense	San Jose, CA	EFVS	10	1	2	0
Magnavox, Inc	Ft Wayne, IN	HIU	8	0	0	0
GTE	Mt View, CA	DTSR	0	0	0	0
		TOTAL	339	62	14	5

REMARKS: All CHALS-X RDT&E also applicable to GUARDRAIL/Common Sensor. EFVS RDT&E also applicable to C2V. HIU RDT&E also applicable to TEAMMATE. RDT&E also applicable to Advanced QUICKFIX and USMC applications. RDT&E is a sum of Army RDT&E and National Security Agency controlled Defense Cryptologic Program.

REPORTS CONTROL SYMBOL DD-COMP(AR) 1092	BUDGET ITEM JUSTIFICATION SHEET	DATE FEBRUARY 1995

APPROPRIATION / BUDGET ACTIVITY	P-1 Item Nomenclature
Other Procurement, Army 2 - Communications and Electronics Equipment	Defense Airborne Recon Prog (DARP) -TIARA (BA0329)

	FY 94	FY 95	FY 96	FY 97	FY 98	FY 99	FY 00	FY 01
QUANTITY								
COST (In Millions)	$ 1.9	$ 2.4	$ 0.0	$ 0.0	$ 0.0	$ 0.0	$ 0.0	$ 0.0

DESCRIPTION: The Tactical Exploitation of National Capabilities (TENCAP) Imagery Program provides the tactical commander (Corps and Echelon Above Corps) with an organic capability to receive and exploit digital imagery in near-real-time from multiple levels of sensors. The Army currently has two imagery system fielded to XVIII Corps and V Corps with one additional system to be fielded to the 513th Bde in 3Qtr FY95.

Further information may be found in the Tactical Intelligence and Related Activities (TIARA) Congressional Justification Book, Volume III and the Army's TENCAP Master Plan.

JUSTIFICATION: In FY96, all funds in the line were transferred to the Defense Airborne Reconnaissance Office (DARO) Defense Wide Procurement Line P 03051540 (DARP).

FY94 shown under old nomenclature "Imagery Processing System (IPS)" Standard Study Number (SSN) is the same as shown above.

WEAPON SYSTEM COST ANALYSIS EXHIBIT (P-5)	A. APPROPRIATION/TITLE/NO. OPA 2 - Communications and Electronics Equipment				B. WEAPON MODEL/SERIES/POPULAR NAME DEF AIRBORNE RECON PROG (DARP) (TIARA) (BA0329)						C. MANUF. Numerous See 5a.	D. DATE February 1995	
WEAPON SYSTEM COST ELEMENTS	IDENT CODE	FY 94 Unit Cost	FY 94 Qty	FY 94 Total Cost	FY 95 Unit Cost	FY 95 Qty	FY 95 Total Cost	FY 96 Unit Cost	FY 96 Qty	FY 96 Total Cost	FY 97 Unit Cost	FY 97 Qty	FY 97 Total Cost
1. NIS Mods/Engineering Sup/Replacement	A	491	3	1472	505	3	1515						
2. RE Mods/Engineering Sup/Replacement	A				258	1	258						
3. Procure new RE to replace NIS	A												
4. Procure new TSS to replace ET	A												
5. NIS Refurbishment*	A												
FY94:													
-Redesign/Replace NIS Fiber Optic Receive Capability		77	3	230									
-Redesign/Replace Very Large Data Storing Recorder (VLDS)		75	3	225									
FY95:													
-Redesign/Replace Mission Computer Unit (MCU)					213	3	638						
Totals				1927			2411			0			0
National Input Segment (NIS): Army Fair Share of Mods/Engineering Support Component replacement - NIS system -Receive element (RE): Army Fair share of Mod/Engineering Support/Computer replacement - RE System. Hardcopy reconstruction unit (HRU) are not being replaced until 00-02.													
*Armys 3 NISs will be refurbished over the next 4 years, FY94-97.													
TOTAL													

BUDGET PROCUREMENT HISTORY AND PLANNING EXHIBIT (P - 5A)

A. DATE: February 1995

B. APPROPRIATION / BUDGET ACTIVITY: Other Procurement, Army 2 - Communications and Electronics Equipment

C. P-1 ITEM NOMENCLATURE: DEF AIRBORNE RECON PROG (DARP) (TIARA) (BA0329)

LINE ITEM / FISCAL YEAR	CONTRACTOR	CONTRACT METHOD AND TYPE	CONTRACTED BY	AWARD DATE	DATE OF FIRST DELIVERY	QTY	UNIT COST	SPEC AVAIL NOW	SPEC REVIS REQ'D	IF YES, WHEN AVAIL
NIS/MOD/ES										
FY94	CLASSIFIED	SS/CPAF	CLASSIFIED	JAN 94	SEP94	3	490,667	YES		
NIS MOD/ES										
FY95	CLASSIFIED	SS/CPAF	CLASSIFIED	DEC94	SEP95	3	505,000	YES		
NIS REFURBISHMENT										
FY94										
Redesign:										
FORC	CLASSIFIED	SS/CPAF	CLASSIFIED	MAY94	MAY95	3	76,667	YES		
VLDS	TBD	TBD	CLASSIFIED	FEB94	JUN95	3	75,000	YES		
NIS MOD/ES										
FY95	TBD	TBD	CLASSIFIED	MAR95	SEP95	1	258,000	YES		
NIS REFURBISHMENT										
FY95										
REDESIGN	CLASSIFIED	TBD	CLASSIFIED	APR95	MAR96	3	212,667	YES		
MCU										

D. Remarks: The National Input Segment (NIS) are based on early 80's technology which is being replaced with the Receive Element using the latest Government/Commercial off the shelf technology.

VLDS: Very Large Data Storage
FORC: Fiber Optic Receive Capability
MCU: Mission Computer Unit
HRU: Hardcopy Reconstruction Unit
TSS: Tri-Band Satellite System
MOD/ES: Modification/Engineering Support/Component Replacement

BUDGET ITEM JUSTIFICATION SHEET					DATE: FEBRUARY 1995			
APPROPRIATION/BUDGET ACTIVITY: OTHER PROCUREMENT, ARMY 2 – COMMUNICATIONS & ELECTRONICS EQUIPMENT					P–1 ITEM NOMENCLATURE: JOINT STARS (ARMY) (TIARA) (BA1080)			
	FY94	FY95	FY96	FY97	FY98	FY99	FY00	FY01
QUANTITY	–	–	–	–	–	–	–	–
COST (IN MILLIONS)	$57.8	$55.2	$83.0	$90.0	$94.3	$80.6	$86.5	$85.5

DESCRIPTION:

The Joint Surveillance Target Attack Radar System (Joint STARS), is a Surveillance battle management and targeting radar system. It is a Joint Army and Air Force Program with the Air Force as the executive service. The Joint STARS radar is an airborne multimode radar system incorporating an electronically scanned antenna and combines both Moving and Fixed Target Indicator (MTI/FTI) and Synthetic Aperture Radar (SAR) functions. The radar is carried aboard a modified E–8 aircraft (AN–TSQ–XXX) and broadcasts radar data to the Army Ground Station Modules (GSM) through an omnidirectional data link. In addition to Joint STARS data, the GSM will receive and process Unmanned Aerial Vehicle (UAV) and Commanders Tactical Terminal (CTT) data. The GSM is a tactical data processing and evaluation center that links the Joint STARS carried aboard the Air Force E–8 aircraft to the Army C3I Tactical Fire Direction System (TACFIRE) and All Source Analysis System (ASAS) nodes at the Corps, Division and Brigade levels. The GSM will assist commanders in determining battle management and targeting.

Commencing in FY96, Joint Stars Ground Stations will incorporate Secondary Imagery Dissemination and other enhancements that evolve the GSM into the Army's Common Ground Station (CGS). The CGS integrates signal, imagery and other intelligence processing into a single ground station, resulting in enhanced battle management capabilities. The Joint STARS will fulfill an urgent air–land battlefield deficiency by providing an Army / Air Force battlefield sensor and attack control capability designed to detect, locate, track, classify and assist in attacking both moving and stationary ground targets beyond the Forward Line Of Troops (FLOT).

JUSTIFICATION:

The Army has an urgent requirement for a world–wide deployable ground station capable of processing and reporting radar intelligence and imagery intelligence obtained from a variety of airborne platforms (e.g. Joint STARS, objective deep Unmanned Aerial Vehicle (UAV) close UAV and allied aerial platforms). Based upon Joint STARS highly successful Operation Desert Storm (ODS) performance, an immediate GSM contingency Corps fielding requirement was approved by HQDA and supported in subsequent OSD Convential Systems Committee (CSC) and Defense Acquisition Board (DAB) reviews.

The FY96 funds complete the LRIP Acquisition of LGSMs that will be fielded to the US Army Contingency Corps. The FY96 and FY97 funds also provide for two CGS division sets per year. The CGSs will be fielded to XVIII Airborne Corps elements.

(ID Code "B")

EXHIBIT P–40

P–1 SHOPPING LIST
ITEM NO. 59

WEAPON SYSTEM COST ANALYSIS JOINT STARS (ARMY) (TIARA)		A. Appropriation/Budget Activity Title/No. OTHER PROCUREMENT ARMY 2 COMMUNICATIONS & ELECTRONICS EQUIP	B. WEAPON MODEL MODEL/SERIES/POPULAR NAME GROUND STATION MODULE (GSM)	C. MANUFACTURER NAME PLANT CITY/STATE LOCATION MOTOROLA INC. SCOTTSDALE, AZ	D. DATE: Feb 1995

Weapon System Cost Elements	IDENT CODE	FY94 Unit Cost	FY94 Qty	FY94 Total Cost	FY95 Unit Cost	FY95 Qty	FY95 Total Cost	FY96 Unit Cost	FY96 Qty	FY96 Total Cost	FY97 Unit Cost	FY97 Qty	FY97 Total Cost
HARDWARE													
BLOCK I MEDIUM (MGSM)	B	5362	7	37531									
BLOCK I LIGHT (LGSM)	B				5722	8	45774	5638	2	11276			
COMMON GROUND STATION (CGS)								5927	10	59268	6228	12	74736
SUPPORT													
ECO'S				8827			2469			3252			5617
DATA				5489			1257			1151			1154
SYS TEST & EVAL				1598			1416			1956			2839
ENGINEERING SPT				909			1235			1798			1928
IN-HOUSE				(399)			(416)			(490)			(520)
CONTRACTOR				(510)			(819)			(1308)			(1408)
FIELDING				2822			2379			3305			2575
PROGRAM MGMT (ADMIN)				620			709			978			1006
TOTAL				57796			55239			82984			89855

Exhibit P-5 Weapon System Cost Analysis

BUDGET PROCUREMENT HISTORY & PLANNING								DATE: February 1995		
APPROPRIATION/BUDGET ACTIVITY: OTHER PROCUREMENT, ARMY 2-COMMUNICATIONS AND ELECTRONICS EQUIPMENT					P-1 ITEM NOMENCLATURE: JOINT STARS (ARMY) (TIARA)				(BA 1080)	
COST ELEM FISCAL YR	CONTRACTOR AND LOCATION	CONTRACT METHOD & TYPE	CONTRACTED BY	AWARD DATE	DATE OF FIRST DELIVERY	QTY	(000) UNIT COST	SPECS AVAIL NOW	SPEC REV REQ'D	IF YES, WHEN AVAIL
MGSM OPT FY94	MOTOROLA SCOTTSDALE AZ	SS/OPT	CECOM	NOV 93	MAR 96	7	5362	YES	NO	
LGSM FY95	MOTOROLA SCOTTSDALE AZ	SS/FP	CECOM	APR 95	JUN 97	8	5722	YES	NO	
LGSM OPT FY96	MOTOROLA SCOTTSDALE AZ	SS/OPT	CECOM	NOV 95	DEC 97	2	5638	YES	NO	
CGS FY96	TO BE SELECTED	C/FP	CECOM	APR 96	MAY 98	10	5927	YES	NO	
CGS OPT FY97	TO BE SELECTED	C/FP	CECOM	DEC 96	JAN 99	12	6228	YES	NO	
REMARKS:										

P-1 SHOPPING LIST ITEM NO.

EXHIBIT P-5A

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ITEM No. 59

UNCLASSIFIED

PRODUCTION SCHEDULE (EXHIBIT P-21)

DATE: February 1995

APPROPRIATION/BUDGET ACTIVITY
OTHER PROCUREMENT, ARMY 2, COMMUNICATIONS AND ELECTRONICS EQUIPMENT

P-1 ITEM NOMENCLATURE
JOINT STARS (ARMY) (TIARA) (B4108(

FACILITY NO.	U/M	SERV	PROGRAM QUANTITY FY 93P	FY 94	FY 95	FY 96	FY 97	ACCEPT PRIOR TO 1 OCT 94	BALANCE DUE AS OF 1 OCT 94	FISCAL YEAR 95														FISCAL YEAR 96												FISCAL YEAR 97												
										CALENDAR YEAR 95														CALENDAR YEAR 96												CALENDAR YEAR 97												
										OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	AT
MGSM		A	5					0	5														3	1	1																						0
MGSM		A		7				0	7																		1	1		1		1		1	1		1										0
LGSM		A			8			0	8							A																														3	1	1	1	2
LGSM		A				2		0	2														A																										2
CGS						10		0	10																			A																					10
CGS							12	0	12																																									12
TOTAL								0	44																																								26

FACILITY NO.	MANUFACTURER'S NAME AND LOCATION
1	MOTOROLA, SCOTTSDALE, AZ
CGS	TO BE SELECTED

PRODUCTION RATES			MONTHS TO REACH MAX AFTER D-DAY
MINIMUM SUSTAIN	1-8-5	MAXIMUM	
1	1	3	9

PROCUREMENT LEAD TIME

	ADMIN LEAD TIME PRIOR 1 OCT	ADMIN LEAD TIME AFTER 1 OCT	MANU-FACTURING TIME	TOTAL AFTER 1 OCT
INITIAL	12	7	26	33
REORDER	0	2	25	27

REMARKS

GSM DELIVERY SCHEDULE FOR:
MGSM – 1 EVERY 6 WEEKS
CGS – 1 EVERY 4 WEEKS
LGSM – 1 EVERY 4 WEEKS

THERE IS NO BREAK IN PRODUCTION INITIAL 3 UNITS DELIVERED FOLLOWING COMPLETION OF PRODUCTION QUALIFICATION TEST.

P-1 SHOPPING LIST
ITEM NO. 59

EXHIBIT P-2

PAGE 4 OF 6

UNCLASSIFIED

UNCLASSIFIED

PRODUCTION SCHEDULE (EXHIBIT P-21)

DATE: February 1995

APPROPRIATION/BUDGET ACTIVITY
OTHER PROCUREMENT, ARMY 2, COMMUNICATIONS AND ELECTRONICS EQUIPMENT

P-1 ITEM NOMENCLATURE
JOINT STARS (ARMY) (TIARA) (BA1080)

FACILITY NO.	U/M	SERV	PROGRAM QUANTITY FY 93P	FY 94	FY 95	FY 96	FY 97	ACCEPT PRIOR TO 1 OCT 97	BALANCE DUE AS OF 1 OCT 97	FISCAL YEAR 98														FISCAL YEAR 99												FISCAL YEAR 00											
										CALENDAR YEAR 98														CALENDAR YEAR 99												CALENDAR 00											
										OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	LATER
MGSM		A	5					5																																						
MGSM		A		7				7																																						
LGSM		A			8			6	2	1	1																																			0
LGSM		A				2		0	2				1	1																																0
CGS						10			10								3	1	1	1	1	1	1	1																							0
CGS							12		12																1	1	1	1	1	1	1	1	1	1	1											0
TOTAL								18	26	1	1	1	1	0	0	0	3	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	0	0	0	0	0	0	0	0	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	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	

FACILITY NO.	MANUFACTURER'S NAME AND LOCATION
1	MOTOROLA, SCOTTSDALE, AZ
CGS	TO BE SELECTED

PRODUCTION RATES			MONTHS TO REACH MAX AFTER D DAY
MINIMUM SUSTAIN	1-8-5	MAXIMUM	
1	1	3	9

PROCUREMENT LEAD TIME

	ADMIN LEAD TIME PRIOR 1 OCT	ADMIN LEAD TIME AFTER 1 OCT	MANUFACTURING TIME	TOTAL AFTER 1 OCT
INITIAL	12	7	26	33
REORDER	0	2	25	27

REMARKS

GSM DELIVERY SCHEDULE FOR:
MGSM - 1 EVERY 6 WEEKS
CGS - 1 EVERY 4 WEEKS
LGSM - 1 EVERY 4 WEEKS

P-1 SHOPPING LIST
ITEM NO. 59

EXHIBIT P-21

UNCLASSIFIED

REPORTS CONTROL SYMBOL DD-COMP (AR) 1092	"CODE B" ITEM DESCRIPTION	DATE: February 1995

APPROPRIATION/BUDGET ACTIVITY:
OTHER PROCUREMENT, ARMY 2
COMMUNICATIONS AND ELECTRONICS EQUIPMENT

P-1 ITEM NOMENCLATURE:
JOINT STARS (ARMY) (TIARA) (BA1080)

CURRENT DEVELOPMENT AND TEST STATUS:

		CURRENT START DATE	SCHEDULE DATE LAST REPORTED	REASON FOR DELAY
DEV TEST & EVAL (DT&E)	PLAN/ACTUAL	MAR 94	MAR 94	
OPER TEST & EVAL (OT&E)	PLAN/ACTUAL	NOV 95	JUN 95	JOINT TEST IMPACT DUE TO SLIP IN AIRCRAFT SCHEDULE.
AVAIL DATE OF TECH DATA PKG (TDP) OR PERFORMANCE SPECIFICATIONS	PLAN/ACTUAL	JAN 95	JAN 95	

ESTIMATED DATE OF APPROVAL FOR SERVICE USE: MAR 95 - BLOCK 1 LIGHT GSM (LGSM) LRIP.
AUG 96 - MS III / IV.

EQUIPMENT ITEM(S) TO BE REPLACED: THE JOINT STARS GSM IS A NEW BATTLEFIELD MANAGEMENT AND TARGETING SYSTEM. NO CURRENT SYSTEM CONTAINS THESE CAPABILITIES, THEREFORE NOTHING PRESENTLY AVAILABLE WILL BE REPLACED.

EXTENT OF IMPROVEMENT OVER ITEM(S) EQUIPMENT TO BE REPLACED: NA

DEVELOPMENT CONTRACT INFORMATION: PE 0604770.D202,D2CT,DB44

CONTRACTOR NAME	PLANT LOCATION	COMPONENT	THRU FY 94	FY 95	FY 96	BEYOND BYR 97-01
MOTOROLA	SCOTTSDALE, AZ	D3/DGSM	37.3	0	0	0
MOTOROLA	SCOTTSDALE, AZ	IGSM	98.9	0	0	0
MOTOROLA	SCOTTSDALE, AZ	FIELD SPT	32.7	4.6	3.4	8.3
MOTOROLA	SCOTTSDALE, AZ	MGSM	83.2	0	0	0
MOTOROLA	SCOTTSDALE, AZ	LGSM/HGSM	92.3	18.5	4.7	0
MOTOROLA	SCOTTSDALE, AZ	CGS	0	2.7	2.0	17.9
HUGHES/HONEYWELL	MINNEAPOLIS, MN	TRAINER	27.4	0	0	0
CUBIC/GRUMAN	SAN DIEGO, CA	DATA LINK	5.9	3.3	3.1	0
MISCELLANEOUS		VARIOUS	109.7	11.1	5.6	15.5
TOTAL RDTE FUNDING			487.4	40.2	18.8	41.7

REMARKS:
OT&E DATE REFERS TO FY MULTISERVICE OPERATIONAL TEST & EVALUATION (MOT&E).
DT&E AND TDP REFERS TO LGSM PROGRAM (LRIP FY95).

REPORTS CONTROL SYMBOL
DD-COMP (AR) 1092

BUDGET ITEM JUSTIFICATION SHEET

DATE
FEBRUARY 1995

APPROPRIATION/BUDGET ACTIVITY - Other Procurement, Army, Communications and Electronics Equipment

P-1 ITEM NOMENCLATURE
KA2550
DIGITAL TOPOGRAPHIC SUPPORT SYSTEM/QUICK RESPONSE MULTICOLOR PRINTER (DTSS/QRMP) (TIARA)

	FY94	FY95	FY96	FY97	FY98	FY99	FY00	FY01	
QUANTITY		14	5	3	4	3	1		
COST (In Millions)	$ 10.4	$ 7.8	$ 7.0	$ 6.7	$ 8.2	$ 5.1	$ 2.0	$ 2.5	

DESCRIPTION: The current terrain analysis, topographic and reproduction support provided by Army Engineer Terrain Teams are slow, labor intensive processes that do not meet the needs of the Force XXI digitized battlefield in which the commander must have the ability to rapidly obtain terrain information and topographic products such as cross-country movement, concealment, supply routes, avenues of approach, and line of sight.
The Combat Terrain Information Systems (CTIS) Modernization Plan, approved in Apr 94 by the Combat Developer, stated the requirement to proceed immediately with the Downsized DTSS configuration and further identified that QRMP functionality would be incorporated in the DTSS for a single integrated terrain analysis and reproduction capability. It has been determined that the downsized capability is now more appropriate to support contingency operations, operations other than war (OOTW), and split based operations. The DTSS/QRMP will be deployed at Division, Corps, and EAC in support of these missions. The DTSS/QRMP will automate the updating and processing of terrain information into terrain analysis products, provide rapid reproduction of low volume, up-to-date, large format, full color imagery maps, situation overlays, special graphics (e.g. captured enemy maps) and other topographic and terrain products. Part of imagery exploitation includes the development of a Multi-Spectral Imagery Processor (MSIP), which provides an image map making capability. Due to current world events and the possibility of contingency missions in areas where standard map products are not available, image map production has become an urgent need. The CTIS program office has been tasked with the mission to issue the DTSS-MSIP as an interim measure to topographic units in FY95.

JUSTIFICATION: FY96/97 funding will be used to procure upgrades for the computer hardware and peripherals in the seven DTSS Low Rate Initial Production (LRIP) units and for one upgraded EMD unit. The LRIP and upgraded EMD units are being fielded to Army Engineer Terrain Teams in CONUS (FORSCOM), USAEUR, HAWAII, and Korea (PACOM).
This system will provide a standard terrain analysis, topographic and reproduction capability to the commander. It will give him a 3 dimensional look at the battlefield and be flexible enough to provide this quickly enough to maintain a common picture of the battlefield and stay situationally aware, thus allowing him to fight the battle.

IDENTIFICATION: Code A

WEAPON SYSTEM COST ANALYSIS EXHIBIT (P-5)

A. Appropriation/Budget Activity Title/No.	B. Weapon Model/Series/Popular Name	C. Manufacturer Name Plant City/State Location	D. Date Month/Year
OPA 2, COMMS AND ELECTRONICS EQUIPMENT	DIGITAL TOPO SUPPORT SYSTEM/ QUICK RESPONSE MULTI-COLOR PRINTER (KA2550)	MARTIN MARIETTA CORP FORT WASHINGTON, PA	FEBRUARY 1995

Weapon System Cost Elements	Ident Code	PY FY94 UNIT COST	PY FY94 Qty TOTAL COST	CY FY95 UNIT COST	CY FY95 Qty TOTAL COST	BY 1 FY96 UNIT COST	BY 1 FY96 Qty TOTAL COST	BY 2 FY97 UNIT COST	BY 2 FY97 Qty TOTAL COST
1. HARDWARE	A								
a. DTSS-MSIP		307	6444 (21)	373	5224 (14)				
b. DTSS LRIP UPGRADE						951	4754 (5)	867	2600 (3)
c. DTSS/QRMP									1500 *
2. ENGINEERING SUPPORT									
a. DTSS LRIP ILS/ECP ENG.			1900						
b. MISC OUT-OF-HOUSE ENG			350		350		400		400
c. LIFE CYCLE S/W ENG (SED)			300						
3. FIELDING									
TOTAL PACKAGE FIELDING			250		380		132		380
NEW EQUIPMENT TRAINING			130		195		68		200
FIRST DEST TRANSPORT			40		70		20		33
4. PROJECT MANAGEMENT AND ADMINISTRATION			728		760		780		770
5. INTERIM CONTRACTOR SUPPORT			270		800		800		800
TOTAL			10412		7779		6954		6683

* PROCUREMENT OF GFE TO SUPPORT DOWNSIZED DTSS PRODUCTION

BUDGET PROCUREMENT HISTORY AND PLANNING EXHIBIT (P-5A)

A. DATE: FEBRUARY 1995

B. APPROPRIATION/BUDGET ACTIVITY - Other Procurement, Army 2, Communications and Electronics Equipment

C. P-1 ITEM NOMENCLATURE: KA 2550
DIGITAL TOPOGRAPHIC SUPPORT SYSTEM/QUICK RESPONSE MULTICOLOR PRINTER (DTSS/QRMP) (TIARA)

COST ELEM/ FISCAL YEAR	CONTRACTOR AND LOCAT'N	CONTRACT METHOD AND TYPE	CONTRACTED BY	AWARD DATE	DATE OF FIRST DELIVERY	QUANTITY	UNIT COST	SPECS AVAIL NOW	SPEC REV REQ'D	IF YES, WHEN AVAILABLE
DTSS-MSIP										
FY94	MARTIN MARIETTA CORP (MMC)	C/FP	U.S. ARMY TOPO ENGNRING CENT (USATEC)	MAY 94	SEP 94	21	307,000	YES		
FY95	MMC	C/FP	USATEC	OCT 94	FEB 95	14	373,000	YES		
DTSS UPGRADE	TOBYHANNA ARMY DEPOT (TOAD)	WR								
FY96			USATEC	MAR 96	JAN 97	5	951,000	NO		
FY97			USATEC	OCT 97	NOV 98	3	867,000	NO		

D. REMARKS

USATEC has contracted for hardware to support the DTSS-MSIP and DTSS Upgrade programs. Due to recent market place reductions, a significant decrease in hardware costs (30-50%) has been realized through the procurement of commercially available CHS hardware. Consequently the overall Unit Cost for the DTSS-MSIP and DTSS Upgrade hardware has been significantly reduced.

All computer hardware will be provided by USATEC as GFE to prime. Other major components (printers, scanners, etc) will also be procured by USATEC and provided as GFE to the prime.

FY96/97 BUDGET PRODUCTION SCHEDULE

P-1 ITEM NOMENCLATURE
DIGITAL TOPOGRAPHIC SUPPORT SYSTEM (DTSS)/ QUICK RESPONSE MULTICOLOR PRINTER (QRMP)(TIARA)(KA2550)

DATE
FEBRUARY 1995

ITEM/MANUFACTURER PROCUREMENT YEAR	SERV	PROC QTY	ACCPT PRIOR TO 1 OCT 93	BAL DUE AS OF 1 OCT 93	FISCAL YEAR 1994												FISCAL YEAR 1995												FISCAL YEAR 1996												LATER
					93	CALENDAR YEAR 1994											CALENDAR YEAR 1995												CALENDAR YEAR 1996												
					OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	
DTSS-MSIP/ MARTIN MARIETTA/FY94	A	21		21								A				2		9		10																				
DTSS-MSIP/ MARTIN MARIETTA/FY95	A	14		14													A				8	6																		
TOTAL		35	0	35												2		9		10	8	6																		

MANUFACTURER'S NAME AND LOCATION	PRODUCTION RATES MIN	1-8-5	MAX	REACHED D+
MARTIN MARIETTA CORP FT WASHINGTON, PA	N/A	N/A	N/A	

PROCUREMENT LEAD TIME

	ADMIN LEAD TIME PRIOR 1 OCT	ADMIN LEAD TIME AFTER 1 OCT	MANU-FACTURING TIME	TOTAL AFTER 1 OCT
INITIAL	2	2	4	
REORDER		2	4	

REMARKS:

FY96/97 funding will be used to upgrade seven DTSS Low Rate Initial Production units and one Engineering and Manufacturing Development (EMD) unit.

Production rates reflect the fact that the government is providing commercial GFE to MMC (SE&I contractor) for integration and delivery. A production line has not been established for the DTSS-MSIP. Consequently, months that identify zero deliveries do not reflect production breaks.

P-1 SHOPPING LIST ITEM NO. 60

EXHIBIT P-21

REPORTS CONTROL SYMBOL DD-COMP(AR) 1092	BUDGET ITEM JUSTIFICATION SHEET	DATE FEBRUARY 1995

APPROPRIATION / BUDGET ACTIVITY	P-1 ITEM NOMENCLATURE
Other Procurement, Army 2 - Communications and Electronics Equipment	Drug Interdiction Program (DIP) (BU4050)

	FY 94	FY 95	FY 96	FY 97	FY 98	FY 99	FY 00	FY 01
QUANTITY								
COST (In Millions)	$ 10.6	$	$	$	$	$	$	$

CLASSIFIED PROGRAM: INFORMATION WILL BE PROVIDED UPON REQUEST

DD Form 2454	P-1 Shopping List Item No.61	Page No. 1 of 1	EXHIBIT P-40

REPORTS CONTROL SYMBOL DD-COMP(AR) 1092	BUDGET ITEM JUSTIFICATION SHEET	DATE February 1995

APPROPRIATION / BUDGET ACTIVITY	P-1 ITEM NOMENCLATURE
Other Procurement, Army 2 - Communications and Electronics Equipment	TACTICAL EXPLOITATION OF NAT'L CAPABILITIES (TENCAP) (TIARA) (BZ7315)

	FY 94	FY 95	FY 96	FY 97	FY 98	FY 99	FY 00	FY 01
QUANTITY								
COST (In Millions)	$ 7.7	$ 4.6	$ 4.6	$ 1.8	$ 1.8	$ 1.9	$ 5.0	$ 14.9

Description: The Tactical Exploitation of National Capabilities (TENCAP) Program provides tactical commanders with rapid access to critical information collected by National Intelligence Sources. To date, the program has been responsible for provisioning the AN/TSQ134(V) (Electronic Processing and Dissemination System (EPDS)), the Enhanced Tactical Users Terminal (ETUT), the Forward Area Support Terminal (FAST) and the Tactical High Mobility Terminals (THMTs) 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 comms packages, and, with the exception of FAST, contained in shelters or vans, with a dedicated primemover and system operators. Fielding of a new system, the Mobile Integrated Tactical Terminal (MITT), began in July 1993, will add an additional 11 systems before the end of fielding in FY96. The TENCAP Program also manages the Enhanced Tactical Radar Correlator (ETRAC) and the Modernized Imagery Exploitation System (MIES) which are funded under the Defense Airborne Reconnaissance Office (DARO), PE 0305154D Defense Airborne Reconnaissance Program (DARP).

Further information may be found at the Tactical Intelligence and Related Activities (TIARA) Congressional Justification Book, Volume II, and the Army's TENCAP Master Plan.

Justification: The FY96/97 funds will be used to procure both military and commercial hardware and software (GOTS/COTS) capabilities to enhance TENCAP 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 TENCAP systems (including ETRAC and MIES) and fall under the TENCAP Common Baseline Project, which addresses common subsystems, planned improvements, key activities and ongoing/planned initiatives determined to have potential application to multiple TENCAP systems

WEAPON SYSTEM COST ANALYSIS EXHIBIT (P-5)	A. APPROPRIATION/TITLE/NO. OPA 2 - Communications and Electronics Equipment				B. WEAPON MODEL/SERIES/POPULAR NAME TACTICAL EXPLOITATION OF NAT'L CAPABILITIES (TENCAP) (TIARA) (BZ7315)						C. MANUF. Numerous See 5a.	D. DATE February 1995	
WEAPON SYSTEM COST ELEMENTS	IDENT CODE	FY 94 Unit Cost	FY 94 Qty	FY 94 Total Cost	FY 95 Unit Cost	FY 95 Qty	FY 95 Total Cost	FY 96 Unit Cost	FY 96 Qty	FY 96 Total Cost	FY 97 Unit Cost	FY 97 Qty	FY 97 Total C
Communications Upgrades:													
a. SUCCESS Radio (COMSEC , DAMA, TIBS PPU)		120	40	4800	118	20	2367	118	20	2370			
b. MITT/FAST/ETUT (Chariot, SLDCOM)		155	6	930	155	3	465	155	3	465	151	12	1807
c. Workstations (TENCAP Guard Processor Upgrades)		75	20	1499	75	25	1804	75	24	1782			
d. TRIPPS		25	20	500									
TOTALS				7729			4636			4617			1807

CHARIOT: Mobile S-Band Transceiver Terminal (Name changed from ROTERM to Chariot)
COMSEC: Communications Security
DAMA: Demand Assigned Multiple Access for UHF Satellite Communications
PPU: Protocol Processing Unit
SLDCOM: Satellite Launch Dispenser Communications
TENCAP Guard Processor is Multi-level Security System
TIBS: Tactical Information Broadcast Sys
TRIPPS: Theater Rapid Intelligence Package Protection System

TOTAL

BUDGET PROCUREMENT HISTORY AND PLANNING EXHIBIT (P - 5A)

A. DATE: February 1995

B. APPROPRIATION / BUDGET ACTIVITY
Other Procurement, Army 2 - Communications and Electronics Equipment

C. P-1 ITEM NOMENCLATURE
TAC EXPLOIT OF NAT'L CAPA (TENCAP) (TIARA) (BZ7315)

LINE ITEM / FISCAL YEAR	CONTRACTOR	CONTRACT METHOD AND TYPE		AWARD DATE	DATE OF FIRST DELIVERY	QTY	UNIT COST	SPEC AVAIL NOW	SPEC REVIS REQ'D	IF YES, WHEN AVAIL
SUCCESS RADIO										
FY94	CLASSIFIED	CLASSIFIED	CLASSIFIED	2Q94	3Q94	40	120,000	YES		
FY95	CLASSIFIED	CLASSIFIED	CLASSIFIED	2Q95	3Q95	20	118,350	YES		
FY96	CLASSIFIED	CLASSIFIED	CLASSIFIED	2Q96	2Q97	20	118,500	YES		
MITT/FAST										
FY94	CLASSIFIED	CLASSIFIED	CLASSIFIED	2Q94	2Q95	6	155,000	YES		
FY95	CLASSIFIED	CLASSIFIED	CLASSIFIED	2Q95	2Q96	3	155,000	YES		
FY96	CLASSIFIED	CLASSIFIED	CLASSIFIED	2Q96	2Q97	3	155,000	YES		
FY97	CLASSIFIED	CLASSIFIED	CLASSIFIED	2Q97	2Q98	12	151,000	YES		
WORKSTATION										
FY94	CLASSIFIED	CLASSIFIED	CLASSIFIED	2Q94	2Q95	20	75,000	YES		
FY95	CLASSIFIED	CLASSIFIED	CLASSIFIED	2Q95	2Q96	25	75,000	YES		
FY96	CLASSIFIED	CLASSIFIED	CLASSIFIED	2Q96	2Q97	24	75,000	YES		
TRIPPS										
FY94	CLASSIFIED	CLASSIFIED	INSCOM	1Q95	3Q95	20	25,000	YES		

D. Remarks:

COMSEC: Communications Security
DAMA: Demand Assigned Multiple Access for UHF Satellite Communicatio
TIBS: Tactical Information Broadcast System
PPU: Pre-Processor Unit
CHARIOT: Mobile S-Band Transceiver Terminal
SLDCOM: Satellite Launch Dispenser Communications
TENCAP Guard Processor is Multi-Level Security System
TRIPPS: Theater Rapid Intelligence Package Protection System

BUDGET ITEM JUSTIFICATION SHEET							February-1995	
APPROPRIATION/BUDGET ACTIVITY Other Procurement, Army 2 - Communications and Electronics Equipment				**P-1 ITEM NOMENCLATURE** Joint Tactical Ground Station (BZ8410)				
	FY94	FY95	FY96	FY97	FY98	FY99	FY00	FY01
QUANTITY	0	0	0	0	0	0	0/0	0/0
COST (In Millions)	$ 0.0	$ 0.0	$ 30.9	$ 0.0	$ 0.0	$ 0.0	$ 0.0	$ 0.0

DESCRIPTION: The Joint Tactical Ground Station (JTAGS) provides an in-theater capability for receipt, processing and dissemination of warning and cueing data on missile launches and other major tactical events from space based sensors within the ground station field of view. By being located in-theater, the system improves the warning and cueing response time and eliminates several single-point failure communications relay nodes. It improves the target location accuracy of TBM launch sites in order to facilitate joint precision attacks by deep strike weapons and provides more accurate impact point prediction to support both active and passive defense. The warning and cueing information will be disseminated via Tactical Information Broadcast system (TIBS), Tactical Related Application (TRAP) and other existing in-theatercommunications nets. The system consists of a shelter with processors and communication equipment, satellite receiver antennas and power generator equipment.

JUSTIFICATION: The FY96 funds will be used to procure five JTAGS units and conduct first article test. The JTAGS improves the reporting time lines on Tactical Ballistic Missile (TBM) launches because warning reports originate in-theater and are transmitted using tactical communications such as TRAP and TIBS, thus eliminating the use of over-burdened command and control communications lines from CONUS to transmit TBM warning messages. The in-theater capability also reduces the likelihood of single point failures in communications.

ID Code B

WEAPON SYSTEM COST ANALYSIS EXHIBIT (P-5)	A. Appropriation/ No OPA 2 - Communications and Electronics Equipment				B. Weapon Model/Series/Popular Name JOINT TACTICAL GROUND STATION (BZ8410)						C. Manuf Numbers	D. Date Feb-1995	
Weapon System Cost Elements	IDENT CODE	FY94			FY95			FY96			FY97		
		Unit Cost	Qty	Total Cost	Unit Cost	Qty	Total Cost	Unit Cost	Qty	Total Cost	Unit Cost	Qty	Total Cost
PRIME CONTRACTOR HARDWARE	B							4,230*	5	16,920			
PRIME CONTRACTOR ENGINEERING										4,426			
PRIME CONTRACTOR DATA										176			
PRIME CONTRACTOR FIRST ARTICLE TEST										219			
GOVERNMENT PROG MANAGEMENT										1,400			
GOVERNMENT FURNISHED EQPT										4,053			
CONTRACTOR ENGINEERING										1,800			
GOVERNMENT ENGINEERING										1,920			
TOTAL										30,914			

*Quantity of 5 includes refurbishment of 2 EMD units.
Refurbishment cost is estimated at one half of new unit.

BUDGET PROCUREMENT HISTORY AND PLANNING EXHIBIT (P-5A) | A. DATE: Feb-95

B. APPROPRIATION/BUDGET ACTIVITY
Other Procurement, Army 2 - Communications and Electronic Equipment

C. P-1 ITEM NOMENCLATURE
JOINT TACTICAL GROUND STATION (BZ8410)

LINE NUMBER/ FISCAL YEAR	CONTRACTOR	CONTRACT METHOD & TYPE	CONTRACTED BY	AWARD DATE	DATE OF FIRST DELIVERY	QTY	UNIT COST	SPEC AVAILABLE NOW	SPEC REVISIONS REQUIRED	IF YES, WHEN AVAILABLE
JTAGS/FY96	Aerojet Azusa, Ca	C/CPIF	SSDC	Exercise Option Feb 96	Sep 96	5*	4,230,000	Yes	No	

D. REMARKS:

JTAGS: JOINT TACTICAL GROUND STATION

REPORT CONTROL SYMBOL DD- COMP (AR) 1092 | PRODUCTION SCHEDULE (EXHIBIT P-21) | DATE Feb-95

APPROPRIATION/BUDGET ACTIVITY: Other Procurement, Army 2 - Communications and Electronic Equipment

P-1 ITEM NOMENCLATURE: Joint Tactical Ground Station (BZ8410)

FAC NO	U/M	SERV	PROGRAM QUANTITY FY 93	FY 94	FY 95	FY 96	FY 97	FY 98	ACCEPT PRIOR TO 1-Oct-94	BALANCE DUE AS OF 1-Oct-94	FISCAL YEAR 95 / CALENDAR YEAR 95: OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	EA	A				5			0	5												
TOTAL MONTHLY PRODUCTION									0	5												

FAC NO	U/M	SERV	FISCAL YEAR 96 / CALENDAR YEAR 96: OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	FISCAL YEAR 97 / CALENDAR YEAR 97: OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	LATER
1	EA	A					A							1		1		1		1	1						
TOTAL MONTHLY PRODUCTION							A							1		1		1		1	1						

Exhibit P-21-1

FACILITY NO.	MANUFACTURER'S NAME	PRODUCTION RATES MINIMUM SUST	1.0-5	MAX	MONTHS TO REACH MAX AFTER D DAY
1	Aerojet Electr Sys Div	0.3	x	TBD	7

PROCUREMENT LEAD TIME (MONTHS)	ADMIN LEAD TIME BEFORE 1 OCT	ADMIN LEAD TIME AFTER 1 OCT	PROD	TOTAL AFTER 1 OCT
INITIAL	0	11	7	18
REORDERS				

REMARKS: Exercise production option - Feb 98

P-1 SHOPP LINE NO.

CODE "B" ITEM DESCRIPTION	DATE February-1995	REPORT CONTROL SYMBOL DD-COMP(AR)1092
APPROPRIATION/BUDGET ACTIVITY OTHER PROCUREMENT, ARMY 2 - Communications and Electronic Equipment	P-1 ITEM NOMENCLATURE JOINT TACTICAL GROUND STATION (BZ8410)	

1. CURRENT DEVELOPMENT AND TEST STATUS

		SCHEDULE DATE		
		CURRENT 1	LAST REPORTED 2	REASON FOR DELAY 3
TECHNICAL/OPERATIONAL TESTING	PLAN/ACTUAL	Apr/Oct 95	Feb/Aug 95	Delay in shelter deliveries and design completion

2. ESTIMATED DATE OF APPROVAL FOR SERVICE USE
Feb-96

3. EQUIPMENT ITEMS(S) TO BE REPLACED
NOT APPLICABLE.

4. EXTENT OF IMPROVEMENT OVER ITEMS(S) EQUIPMENT TO BE REPLACED
NOT APPLICABLE. 0604766A/D113

5. DEVELOPMENT CONTRACT INFORMATION

CONTRACTOR NAME 1	PLANT LOCATION 2	COMPONENT 3	THROUGH FY93 4	FY94 5	FY95 6	FY96 7	BEYOND 8
Aerojet Elect Systems Div	1	JTAGS	0.0	13.9	2.9	0.0	0.0
TOTAL RDT&E FUNDING			0.0	13.9	2.9	0.0	0.0

6. REMARKS

	Exercise Production Options	Feb-96
	Deliver 1st Production Unit	Sep-96
ther Milestones:	Conduct First Article Test	Sep-Nov 96
	Deliver 2nd Production Unit	Nov-96
	FUE	Feb-97

DD FORM 2443, JUL 88 P-1 SHOPPING LIST NO. ITEM NO. 63

BUDGET ITEM JUSTIFICATION SHEET | **DATE:** February 1995

APPROPRIATION/BUDGET ACTIVITY:
Other Procurement, Army 2 - Comm and Electronics Equipment

P-1 ITEM NOMENCLATURE:
TROJAN (TIARA)
(BA0326)

	FY94	FY95	FY96	FY97	FY98	FY99	FY00	FY01
QUANTITY								
COST (IN MILLIONS)	11.6	22.2	19.3	3.7	4.1	4.4	4.9	5.1

DESCRIPTION:
TROJAN is a combined operational and readiness mission system which uses advanced networking technology to provide rapid radio relay; secure communications to include voice, data, and facsimile; and electronic reconnaissance support to U.S. forces throughout the world. TROJAN operations may be easily tailored to fit military intelligence unit training schedules, and surged during specific events to involve every aspect of the tactical intelligence collection, processing, analysis and reporting efforts.

JUSTIFICATION:
FY96 provides for collection and processing system upgrades; 10 SPIRIT II systems to support the combat commanders with mission critical intelligence information by voice and high capacity digital traffic at Army Corps and Division levels and upgrades to the automated switch. FY97 provides for collection and processing system upgrades; and dissemination enhancements to the TROJAN SPIRIT II systems.

ITEM No. 64

WEAPON SYSTEM COST ANALYSIS EXHIBIT (P-5)	A. Appropriation/Budget Activity Title/No. OTHER PROCUREMENT: ARMY 2 COMM & ELEC EQUIP	B. WEAPON MODEL/SERIES/POPULAR NAME TROJAN (TIARA) (BA0326)	C. MANUFACTURER NAME PLANT CITY/STATE LOCATION	D. DATE: February 1995

Weapon System Cost Elements	Ident. code	FY94 Unit Cost	FY94 Qty	FY94 Total Cost	FY95 Unit Cost	FY95 Qty	FY95 Total Cost	FY96 Unit Cost	FY96 Qty	FY96 Total Cost	FY97 Unit Cost	FY97 Qty	FY97 Total Cost
TROJAN Special Purpose Receiving System (TIARA) (BA0331)	A	VAR		3,122	VAR		3,081	VAR		3,228	VAR		3,202
TROJAN SPIRIT Mods (TIARA) (BA0332)	A	VAR	6	1,897	VAR	7	1,707	0		0	0		0
TROJAN SPIRIT Terminals (TIARA) (BA0333)	A	VAR	3	6,583	VAR	10	17,371	VAR	10	16,085	VAR		505
TOTAL				11,602			22,159			19,313			3,707

BUDGET ITEM JUSTIFICATION SHEET | **DATE:** February 1995

APPROPRIATION/BUDGET ACTIVITY:
Other Procurement, Army 2 - Comm and Electronics Equipment

P-1 ITEM NOMENCLATURE:
TROJAN SPECIAL PURPOSE RECEIVING SYSTEM (TIARA) (BA0331)

	FY94	FY95	FY96	FY97	FY98	FY99	FY00	FY01
QUANTITY								
COST (IN MILLIONS)	3.1	3.1	3.2	3.2	3.6	3.9	4.9	5.1

DESCRIPTION:
TROJAN is a combined operational and readiness mission system which uses advanced networking technology to provide rapid radio relay; secure communications and electronic reconnaissance support to U.S. forces throughout the world. TROJAN operations may be easily tailored to fit military intelligence unit training schedules, and surged during specific events to involve every aspect of the tactical intelligence collection, processing, analysis and reporting efforts.

TROJAN consist of four subsystems: remote receiver groups, located at border sites; monitor control groups to include analyst workstation groups, located at unit garrisons; digital data switching group which provides the automated switching capability; and switch extensions which provide operational control, intelligence dissemination, administrative and logistics functions.

JUSTIFICATION:
FY96 and FY97 provides for collection and processing system upgrades.

WEAPON SYSTEM COST ANALYSIS EXHIBIT (P-5)	A. Appropriation/Budget Activity Title/No. Other Procurement, Army 2 - Comm and Electronics Equipment	B. WEAPON MODEL/SERIES/POPULAR NAME TROJAN SPECIAL PURPOSE RECEIVING SYS (TIARA) (BA0331)	C. MANUFACTURER NAME PLANT CITY/STATE LOCATION	D. DATE: February 1995

Weapon System Cost Elements	Ident. code	FY94 Unit Cost	FY94 Qty	FY94 Total Cost	FY95 Unit Cost	FY95 Qty	FY95 Total Cost	FY96 Unit Cost	FY96 Qty	FY96 Total Cost	FY97 Unit Cost	FY97 Qty	FY97 Total Cost
HARDWARE	A	VAR		2,447	VAR		2,406	VAR		2,553	VAR		2,527
SUPPORT													
ENGINEERING SPT													
IN-HOUSE				500			500			500			500
CONTRACT				175			175			175			175
TOTAL				3,122			3,081			3,228			3,202

BUDGET PROCUREMENT HISTORY AND PLANNING EXHIBIT (P-5A) | **A. DATE:** February 1995

B. APPROPRIATION/BUDGET ACTIVITY:
Other Procurement Army 2 - Comm and Electronics Equipment

C. P-1 ITEM NOMENCLATURE TROJAN SPECIAL PURPOSE RECEIVING SYSTEM (TIARA) (BA0331)

COST ELEMENT/ FISCAL YR	CONTRACTOR AND LOCATION	CONTRACT METHOD & TYPE	CONTRACTED BY	AWARD DATE	DATE OF FIRST DELIVERY	QTY	UNIT COST	SPECS AVAIL NOW	SPEC REV REQ'D	IF YES, WHEN AVAIL
HARDWARE FY94	ANDREWS-SICOM GARLAND, TX	C/FP (OPTION)	CECOM	DEC 93	JUN 94	VAR	VAR	YES	NO	
HARDWARE FY94	HP ROCKVILLE, MD	C/FP (OPTION)	CECOM	JAN 94	JUL 94	VAR	VAR	YES	NO	
HARDWARE FY94	ESI RICHARDSON, TX	C/FP (OPTION)	CECOM	FEB 94	JUN 94	VAR	VAR	YES	NO	
HARDWARE FY94	ANTENNA PRODS MINERALWELLS,TX	C/FP (OPTION)	CECOM	APR 94	OCT 94	VAR	VAR	YES	NO	
HARDWARE FY94	CONVERSE WOODBURY, NY	C/FP	CECOM	JUN 94	DEC 94	VAR	VAR	YES	NO	
HARDWARE FY95	ESI RICHARDSON, TX	C/FP (OPTION)	CECOM	NOV 94	FEB 95	VAR	VAR	YES	NO	
HARDWARE FY95	ESI RICHARDSON, TX	C/FP (OPTION)	CECOM	MAR 95	SEP 95	VAR	VAR	YES	NO	
HARDWARE FY96	CONVERSE WOODBURY, NY	C/FP (OPTION)	CECOM	NOV 95	APR 96	VAR	VAR	YES	NO	
HARDWARE FY96	ESI RICHARDSON, TX	C/FP (OPTION)	CECOM	JAN 96	JUN 96	VAR	VAR	YES	NO	
HARDWARE FY96	HP ROCKVILLE, MD	C/FP (OPTION)	CECOM	JAN 96	JUN 96	VAR	VAR	YES	NO	
HARDWARE FY96	ANTENNA PRODS MINERALWELLS,TX	C/FP (OPTION)	CECOM	FEB 96	JUL 96	VAR	VAR	YES	NO	
HARDWARE FY96	ANDREWS-SICOM GARLAND, TX	C/FP (OPTION)	CECOM	MAR 96	SEP 96	VAR	VAR	YES	NO	
HARDWARE FY96	TBS	C/FP (OPTION)	CECOM	APR 96	OCT 96	VAR	VAR	YES	NO	

D. REMARKS: PECULARITIES OF INDIVIDUAL SYSTEM MISSION AND FIELDING LOCATION REQUIRE EACH TROJAN SUBSYSTEM TO BE UNIQUE WITH COMPATIBLE AND INTEROPERABLE HARDWARE AND SOFTWARE.
HP = HEWLETT PACKARD ANTENNA PROD = ANTENNA PRODUCTS

ESI = ELECTROSPACE SYSTEMS INCORPORATED

BUDGET PROCUREMENT HISTORY AND PLANNING EXHIBIT (P-5A)					A. DATE: February 1995					
B. APPROPRIATION/BUDGET ACTIVITY: Other Procurement, Army 2 - Comm and Electronics Equipment					C. P-1 ITEM NOMENCLATURE TROJAN SPECIAL PURPOSE RECEIVING SYSTEM (TIARA) (BA0331)					
COST ELEMENT/ FISCAL YR	CONTRACTOR AND LOCATION	CONTRACT METHOD & TYPE	CONTRACTED BY	AWARD DATE	DATE OF FIRST DELIVERY	QTY	UNIT COST	SPECS AVAIL NOW	SPEC REV REQ'D	IF YES, WHEN AVAIL
HARDWARE FY97	CONVERSE WOODBURY, NY	C/FP (OPTION)	CECOM	NOV 96	APR 97	VAR	VAR	YES	NO	
HARDWARE FY97	ESI RICHARDSON, TX	C/FP (OPTION)	CECOM	JAN 97	MAY 97	VAR	VAR	YES	NO	
HARDWARE FY97	ANTENNA PRODS MINERALWELLS,TX	C/FP (OPTION)	CECOM	FEB 97	AUG 97	VAR	VAR	YES	NO	
HARDWARE FY97	TBS	C/FP(OPTION)	CECOM	APR 97	OCT 97	VAR	VAR	NO		

D. REMARKS: PECULARITIES OF INDIVIDUAL SYSTEM MISSION AND FIELDING LOCATION REQUIRE EACH TROJAN SUBSYSTEM TO BE UNIQUE WITH COMPATIBLE AND INTEROPERABLE HARDWARE AND SOFTWARE.
HP = HEWLETT PACKARD ANTENNA PRODS = ANTENNA PRODUCTS
ESI = ELECTROSPACE SYSTEMS INCORPORATE

BUDGET ITEM JUSTIFICATION SHEET | **DATE:** February 1995

APPROPRIATION/BUDGET ACTIVITY:
Other Procurement, Army 2 - Comm and Electronics Equipment

P-1 ITEM NOMENCLATURE:
TROJAN SPIRIT - TERMINALS (TIARA) (BA0333)

	FY94	FY95	FY96	FY97	FY98	FY99	FY00	FY01
QUANTITY								
COST (IN MILLIONS)	6.6	17.4	16.1	0.5	0.5	0.5	0	0

DESCRIPTION:
The TROJAN SPIRIT II is collection of electronics equipment which provides contingency forces with an operational readiness capability providing an intelligence processing and dissemination system consisting of secure voice, secure data, secure facsimile and secondary imagery worldwide via an organic long haul satellite communications network split-based, multi-echelon force projection operations.

TROJAN SPIRIT II systems consist of five major subsystems: power generation subsystem; communications subsystem (C, Ku, X Bands; HF/MSE/CTT (receive only) UHF SatCom); prime mission movers with shelters; and communications interface equipment.

JUSTIFICATION:
FY96 provides for 10 TROJAN SPIRIT II systems to support the combat commanders with mission critical intelligence information by voice and high capacity digital traffic at Army Corps and Division levels. TROJAN SPIRIT II supports the Intelligence and Electronic Warfare Battlefield Operating system in conducting split/multi-based operations. FY96 also provides upgrades to the automated switch. FY97 provides dissemination enhancements to the TROJAN SPIRIT II systems.

WEAPON SYSTEM COST ANALYSIS EXHIBIT (P-5)	A. Appropriation/Budget Activity Title/No. Other Procurement, Army 2 - Comm and Electronics Equipment	B. WEAPON MODEL/SERIES/POPULAR NAME TROJAN SPIRIT -TERMINALS (TIARA) (BA0333)	C. MANUFACTURER NAME PLANT CITY/STATE LOCATION	D. DATE February 1995

Weapon System Cost Elements	ident. code	FY94 Unit Cost	FY94 Qty	FY94 Total Cost	FY95 Unit Cost	FY95 Qty	FY95 Total Cost	FY96 Unit Cost	FY96 Qty	FY96 Qty Total Cost	FY97 Unit Cost	FY97 Qty	FY97 Total Cost
HARDWARE	A	VAR	3	6,583	VAR	10	17,371	VAR	10	16,085	VAR	VAR	505
TOTAL			3	6,583		10	17,371		10	16,085			505

BUDGET PROCUREMENT HISTORY AND PLANNING EXHIBIT (P-5A) | **A. DATE:** February 1995

B. APPROPRIATION/BUDGET ACTIVITY:
Other Procurement, Army 2 - Comm and Electronics Equipment

C. P-1 ITEM NOMENCLATURE
TROJAN SPIRIT -TERMINALS (TIARA) (BA0333)

COST ELEMENT/ FISCAL YR	CONTRACTOR AND LOCATION	CONTRACT METHOD & TYPE	CONTRACTED BY	AWARD DATE	DATE OF FIRST DELIVERY	QTY	UNIT COST	SPECS AVAIL NOW	SPEC REV REQ'D	IF YES, WHEN AVAIL
HARDWARE FY94	ESI RICHARDSON, TX	C/FP (OPTION)	CECOM	MAY 94	NOV 94	3	VAR	YES	NO	
HARDWARE FY95	ESI RICHARDSON, TX	C/FP (OPTION)	CECOM	OCT 94	APR 95	6	VAR	YES	NO	
HARDWARE FY95	ESI RICHARDSON, TX	C/FP (OPTION)	CECOM	FEB 95	AUG 95	4	VAR	YES	NO	
HARDWARE FY96	ESI RICHARDSON, TX	C/FP (OPTION)	CECOM	OCT 95	APR 96	10	VAR	YES	NO	
HARDWARE FY97	TBS	C/FP	CECOM	*DEC 96	JUN 97	VAR	VAR	**NO	NO	

D. REMARKS:
ESI = ELECTROSPACE SYSTEMS INCORPORATED

*DEC 96 CONTRACT AWARD IS FOR ENHANCEMENTS NOT PRODUCTION
**SPECS WILL BE AVAILABLE FEB 96

UNCLASSIFIED

PRODUCTION SCHEDULE (EXHIBIT P-21)

DATE: February 1995

APPROPRIATION/BUDGET ACTIVITY
Other Procurement, Army 2 - Comm and Electronics Equipment

P-1 ITEM NOMENCLATURE
TROJAN SPIRIT - TERMINALS (TIARA) (BA0333)

FACILITY NO.	U/M	SERV	PROGRAM QUANTITY FY 93	FY 94	FY 95	FY 96	FY 97	ACCEPT PRIOR TO 1 OCT 93	BALANCE DUE AS OF 1 OCT 93	FISCAL YEAR 94												FISCAL YEAR 95												FISCAL YEAR 96											
										CALENDAR YEAR 94												CALENDAR YEAR 95												CALENDAR YEAR 96											
										OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	LATER
1		A		3				0	3								A							1	1	1																		
1		A			10			0	10													A						1	1	1	1	1	1											
																										A						1	1	1	1								
1		A				10		0	10																									A				1	1	1	1	1	1	4
TOTAL								0	23	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	1	0	0	1	1	1	1	2	2	1	1	0	0	0	0	1	1	1	1	1	1	4

FACILITY NO.	MANUFACTURER'S NAME AND LOCATION	PRODUCTION RATES MINIMUM SUSTAIN	1-8-5	MAXIMUM	MONTHS TO REACH MAX AFTER R-DAY
1	ESI Richardson, TX	1	1	6	12

PROCUREMENT LEAD TIME

	ADMIN LEAD TIME PRIOR 1 OCT	ADMIN LEAD TIME AFTER 1 OCT	MANUFACTURING TIME	TOTAL AFTER 1 OCT
INITIAL	2	5	7	12
REORDER	0	3	1	4

REMARKS

CONTRACT OPTION AWARDED IN MAY 1994,
OPTIONS TO BE EXERCISED IN OCTOBER 1994,
FEBRUARY 1995 AND OCTOBER 1995.
ESI = ELECTROSPACE SYSTEMS INCORPORATED

EXHIBIT P-21

UNCLASSIFIED

PRODUCTION SCHEDULE (EXHIBIT P-21)

DATE: February 1995

APPROPRIATION/BUDGET ACTIVITY
Other Procurement, Army 2 - Comm and Electronics Equipment

P-1 ITEM NOMENCLATURE
TROJAN SPIRIT - TERMINALS (TIARA) (BA0333)

FACILITY NO.	U/M	SERV	PROGRAM QUANTITY FY 93	FY 94	FY 95	FY 96	FY 97	ACCEPT PRIOR TO 1 OCT 96	BALANCE DUE AS OF 1 OCT 96	FISCAL YEAR 97			CALENDAR YEAR 97										FISCAL YEAR 98			CALENDAR YEAR 98										FISCAL YEAR 99			CALENDAR YEAR 99										LATER
										OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	
1		A		3				3	0																																					0
1		A			10			10	0																																					0
1		A				10		6	4	1	1	1	1																																	0
TOTAL								19	4	1	1	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	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	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	

FACILITY NO.	MANUFACTURER'S NAME AND LOCATION
1	ESI RICHARDSON, TX

PRODUCTION RATES

MINIMUM SUSTAIN	1-8-5	MAXIMUM	MONTHS TO REACH MAX AFTER D-DAY
1	1	3	12

PROCUREMENT LEAD TIME

	ADMIN LEAD TIME PRIOR 1 OCT	ADMIN LEAD TIME AFTER 1 OCT	MANUFACTURING TIME	TOTAL AFTER 1 OCT
INITIAL	2	5	7	12
REORDER	0	3	1	4

REMARKS

CONTRACT OPTION AWARDED IN MAY 1994,
OPTIONS TO BE EXERCISED IN OCTOBER 1994,
FEBRUARY 1995 AND OCTOBER 1995.
ESI = ELECTROSPACE SYSTEMS INCORPORATED

EXHIBIT P-21

BUDGET ITEM JUSTIFICATION SHEET					DATE: February 1995			
APPROPRIATION/BUDGET ACTIVITY: OTHER PROCUREMENT, ARMY 2 - COMMUNICATIONS & ELECTRONICS EQUIPMENT					P-1 ITEM NOMENCLATURE: MOD OF IN-SVC EQUIP (INTEL SPT) (TIARA) (BZ9750)			
	FY94	FY95	FY96	FY97	FY98	FY99	FY00	FY01
QUANTITY								
COST (IN MILLIONS)	15.8	15.2	19.5	16.8	3.1	0.0	6.7	13.7

DESCRIPTION:
(U) This is a roll line containing the following modification efforts.

	FY94	FY95	FY96	FY97	FY98
MODS FOR IEW HVY FORCE SYS (TIARA) (BZ9751):	9.195	4.559	4.607	4.568	3.058
TRAILBLAZER Vehicle Reconfiguration MC#1-92-07-0030	(4.298)	(0.000)	(0.000)	(0.000)	(0.000)
TRAILBLAZER DTSR/Self Loc MC#1-85-07-0496	(0.120)	(0.000)	(0.000)	(0.000)	(0.000)
TRACKWOLF Threat Update MC# 1-93-07-0009	(4.777)	(4.559)	(4.607)	(4.568)	(3.058)
MODS FOR IEW LT FORCE SYS (TIARA) BZ9752:	6.629	10.626	14.884	12.263	0.000
TEAMMATE Interop with QUICKFIX MC#1-90-07-0011	(0.644)	(0.000)	(0.000)	(0.000)	(0.000)
SINCGARS Integ/Installation MC#1-91-07-0003	(1.030)	(9.074)	(14.884	(12.263	(0.000)
TEAMMATE Tactical Proficiency Trainer (TPT) MC#1-93-07-0002	(4.955)	(1.552)	(0.300)	(0.000)	(0.000)
TOTAL	15.824	15.185	19.491	16.831	3.058

MODIFICATION INSTALLATION SUMMARY
($ IN MILLIONS)

DATE: February 1995
SSN: BZ9750

System / Modification	FY94 & Prior	FY95	FY96	FY97	FY98	FY99	FY00	FY01	TOTAL
TRAILBLAZER 5 TON MC	0.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.3
TRAILBLAZER DTSR/SL MC	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1
TRACKWOLF MC	0.0	0.1	0.1	0.1	0.0	0.0	0.0	0.0	0.3
TEAMMATE TPT MC	0.0	0.1	0.2	0.0	0.0	0.0	0.0	0.0	0.3
SINCGARS MC	0.0	0.0	0.3	0.5	0.0	0.0	0.0	0.0	0.8
TOTAL FOR MOD IN-SVC (INTEL SPT)(TIARA)	0.4	0.2	0.6	0.6	0	0	0.0	0.0	1.8

EXHIBIT P-3N

SHOPPING LIST
ITEM NO. 65

MODIFICATION OF WEAPON SYSTEMS	DATE: February 1995

MODIFICATION TITLE:
MODS FOR IEW HVY FORCE SYSTEMS, VEHICLE RECONFIGURATION MC #1-92-07-0030 (BZ9751)

MODELS OF SYSTEMS AFFECTED: TRAILBLAZER, SSN: VO7300

DESCRIPTION/JUSTIFICATION: The current TRAILBLAZER M1015A1 Tracked IEW System Carrier was developed and initial production emerged from a 1976 HQDA decision to configure Armored/Mechanized Infantry Division Signals Intelligence (SIGINT) and Electronic Warfare (EW) systems on a tracked carrier. Operational experience since the fielding of these systems has shown that the modified M548 carrier, the M1015, is a significant detractor to the objective operational readiness of the entire system. Due to the M1015 performance in DESERT STORM, the Army terminated plans to modernize the tracked carrier for IEW systems and redirected the materiel change funds to a program for placing the mission equipment on a M656 five-ton wheeled carrier. The TRAILBLAZER system supports the division and brigade commander's target and situation development, and force protection requirements through high capacity, ground-based communications intercept, processing, and direction finding. TRAILBLAZER materiel change transitions TRAILBLAZER from a unique tracked vehicle to standard tactical wheeled vehicles, enhancing deployability and supportability.

DEVELOPMENT STATUS/MAJOR DEVELOPMENT MILESTONES:	PLANNED MONTH/YEAR	ACTUAL MONTH/YEAR
FY92 CONTRACT AWARD (20 EACH)	JAN92	JAN92
FY93 CONTRACT AWARD (20 EACH)	FEB93	FEB93
FY94 CONTRACT OPTION (20 EACH)	JAN94	JAN94
TESTS (stability, maintains DF accuracy, vibration, system acceptance)	MAY93	MAY93
FIRST KIT APPLIED	OCT 93	OCT 93
LAST KIT APPLIED	NOV94	SEP94

MODIFICATION TITLE: TRAILBLAZER 5 TON

FINANCIAL PLAN: ($ in Millions) **DATE** February 1995

	FY PY		FY95		FY96		FY97		FY98		FY99		FY00		FY01		TC		TOTAL	
	Qty	$	Qty	$	Qty	$	Qty	$	Qty	$	Qty	$	Qty	$	Qty	$	Qty	$	Qty	$
RDT&E																				0.0
PROCUREMENT																				
KIT QUANTITY																			60	
Installation Kits	60	11.0																		11.0
Installation Kit Nonrecurring																				0.0
Equipment																				0.0
Equipment Nonrecurring																				0.0
Engineering Change Orders		0.9																		0.9
Data		0.6																		0.6
Training Equipment																				0.0
Support Equipment																				0.0
Other																				0.0
PM Admin		0.2																		0.2
Fielding		0.6																		0.6
Interim Contractor Support																				0.0
Installation of Hardware																				0.0
FY93 Eqpt (40 kits)	40	0.2																	40	0.2
FY94 Eqpt (20 kits)	20	0.1																	20	0.1
FY95 Eqpt (kits)																			0	0.0
FY96 Eqpt (kits)																			0	0.0
FY97 Eqpt (kits)																			0	0.0
FY98 Eqpt (kits)																			0	0.0
FY99 Eqpt (kits)																			0	0.0
FY00 Eqpt (kits)																			0	0.0
FY(TC) Eqpt (kits)																			0	0.0
Total Installation Cost (Subtotal)	60	0.3	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	60	0.3
TOTAL PROCUREMENT COST		13.6		0.0		0.0		0.0		0.0		0.0		0.0		0.0		0.0	60	13.6

METHOD OF IMPLEMENTATION: Contract Teams (MVP and Tooele Army Depot)

ADMINISTRATIVE LEADTIME: 4 MONTHS **PRODUCTION LEADTIME:** 5 MONTHS

CONTRACT DATE:	FY 94: JAN94	FY 95:	FY 96:
DELIVERY DATE:	FY 94: JUN94	FY 95:	FY 96:

INSTALLATION SCHEDULE:	FY 93	FY 94				FY 95				FY 96				FY 97				FY98-99	TOTAL
		1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4		
INPUTS		15	15	15	15														60
OUTPUTS		15	15	15	15														60

UNCLASSIFIED

PRODUCTION SCHEDULE (EXHIBIT P-21)

DATE: February 1995

APPROPRIATION/BUDGET ACTIVITY
OTHER PROCUREMENT, ARMY 2, COMMUNICATIONS AND ELECTRONICS EQUIPMENT

P-1 ITEM NOMENCLATURE MODS FOR IEW HVY FORCE SYS (TIARA)
TRAILBLAZER VEHICLE RECONFIGURATION (BZ9751)

FACIL ITY NO.	U/M	SERV	PROGRAM QUANTITY FY 93P	FY 94	FY 95	FY 96	FY 97	ACCEPT PRIOR TO 1 OCT 94	BALANCE DUE AS OF 1 OCT 94	FISCAL YEAR 95														FISCAL YEAR 96												FISCAL YEAR 97											
										CALENDAR YEAR 95														CALENDAR YEAR 96												CALENDAR YEAR 97											
										OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	LATER
1		A	40					40	0																																					0
1		A		20				20	0																																					0
TOTAL								60	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

FACIL ITY NO.	MANUFACTURER'S NAME AND LOCATION
1	BMY, Marysville, OH (vehicle) Tooele AD, Tooele, UT (installation)

PRODUCTION RATES			MONTHS TO
MINIMUM SUSTAIN	1-8-5	MAXIMUM	REACH MAX AFTER D-DAY
2	5	15	12

PROCUREMENT LEAD TIME

	ADMIN LEAD TIME PRIOR 1 OCT	ADMIN LEAD TIME AFTER 1 OCT	MANU-FACTURING TIME	TOTAL AFTER 1 OCT
INITIAL	3	4	21	25
REORDER	1	3	5	8

REMARKS

FY94 reorder manufacturing time of 5 months can be realized since tests were completed in FY93.

48 ea 5 ton trucks (6 per Division-include 1 float X 8 D
10 ea TRADOC
1 ea IMMC
1 ea Interference Cancellation

EXHIBIT P-21

P-1 SHOPPING LIST
ITEM NO. 65

UNCLASSIFIED

MODIFICATION OF WEAPON SYSTEMS	DATE: February 1995

MODIFICATION TITLE:
TRAILBLAZER DTSR/SELF LOCATION MC# 1-85-07-0496 (BZ9751)

MODELS OF SYSTEMS AFFECTED: TRAILBLAZER, AN/TSQ-138, SSN: V07300

DESCRIPTION/JUSTIFICATION: TRAILBLAZER's analog tape recorders was replaced by a digital recorder system which allows the operator random access to the audio information. As an example of the practical application of this tool, key words and phrases can be clarified immediately without losing live audio. Simultaneous record and playback functions allow direct access to any individual file on the storage media, and automatic input and output of recording time and title. This Materiel Change also upgrades TRAILBLAZER's self-location subsystem by the addition of an automated device, which is a NAVSTAR/Global Positioning System (GPS). The improved self-location will automatically (independent of maps or operator capabilities) and accurately identify the system location. Also included in this Materiel Change are personality modules which are Test Program Sets (TPSs) for five circuit card assemblies in support of the TRAILBLAZER maintenance philosophy and the signal analyzer which is another Line Replaceable Unit (LRU) that is being fielded to the TRAILBLAZER system. These software and communications improvements provide TRAILBLAZER greater battlefield versatility and lethality.

DEVELOPMENT STATUS/MAJOR DEVELOPMENT MILESTONES:	PLANNED MONTH/YEAR	ACTUAL MONTH/YEAR
Work is being accomplished in conjunction with TEAMMATE DTSR Materiel Change #1-84-07-0486 and TEAMMATE self location Materiel Change # 1-84-07-0484.		
FY90 exercised contract option for 25 each DTSR's.		
FY90 also awarded DTSR/GPS integration contract 3Q90.		
FY91 contract option for 20 each DTSR's was not exercised due to urgent DESERT STORM requirement for TIGER Relay Systems. Continued program support for DTSR integration, GFE maintenance, and fielding support for signal analyzer.		
FY92 continued program support for DTSR integration and Test Program Set (TPS) Circuit Card Assembly Diagnostics and fielding support for signal analyzer.		
FY93 continued program support for DTSR integration and fielding signal analyzer.		
FY88 CONTRACT AWARD (Planned award not achieved due to protest on contract award)	AUG 88	JAN 89
FY90 CONTRACT OPTION AWARDED	DEC 89	DEC 89
MATERIEL FIELDING AGREEMENT/MOD. WORK ORDER FIELDING NEGOTIATED	JUN 93	JUN 93
FIRST KIT APPLIED	JAN 94	JAN 94
LAST KIT APPLIED	OCT 94	OCT 94

MODIFICATION TITLE: TRAILBLAZER DTSR MC

FINANCIAL PLAN: DATE February 1995
($ in Millions)

	FY PY		FY95		FY96		FY97		FY98		FY99		FY00		FY01		TC		TOTAL	
	Qty	$	Qty	$	Qty	$	Qty	$	Qty	$	Qty	$	Qty	$	Qty	$	Qty	$	Qty	$
RDT&E																				0.0
PROCUREMENT																				
KIT QUANTITY																			50	
Installation Kits	50	7.8																		7.8
Installation Kit Nonrecurring																				0.0
Equipment		0.7																		0.7
Equipment Nonrecurring		0.7																		0.7
Engineering Change Orders		2.8																		2.8
Data		1.5																		1.5
Training Equipment																				0.0
Support Equipment																				0.0
Other																				0.0
PM Admin		0.6																		0.6
Fielding		0.7																		0.7
Interim Contractor Support																				0.0
Installation of Hardware																				0.0
FY93 Eqpt (50 kits)	50	0.1																	50	0.1
FY94 Eqpt (kits)																			0	0.0
FY95 Eqpt (kits)																			0	0.0
FY96 Eqpt (kits)																			0	0.0
FY97 Eqpt (kits)																			0	0.0
FY98 Eqpt (kits)																			0	0.0
FY99 Eqpt (kits)																			0	0.0
FY00 Eqpt (kits)																			0	0.0
FY(TC) Eqpt (kits)																			0	0.0
Total Installation Cost (Subtotal)	50	0.1	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	50	0.1
TOTAL PROCUREMENT COST		14.9		0.0		0.0		0.0		0.0		0.0		0.0		0.0		0.0	50	14.9

METHOD OF IMPLEMENTATION: Contract Fielding Teams
ADMINISTRATIVE LEADTIME: 12 MONTHS **PRODUCTION LEADTIME:** 32 MONTHS

CONTRACT DATE: FY 94: FY 95: FY 96:
DELIVERY DATE: FY 94: JAN 94 FY 95: FY 96:

INSTALLATION SCHEDULE:	FY 93	FY 94				FY 95				FY 96				FY 97				FY98-99	TOTAL
		1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4		
INPUTS			15	15	15	5													50
OUTPUTS			15	15	15	5													50

UNCLASSIFIED

PRODUCTION SCHEDULE (EXHIBIT P-21)

DATE: February 1995

APPROPRIATION/BUDGET ACTIVITY
OTHER PROCUREMENT, ARMY 2, COMMUNICATIONS AND ELECTRONICS EQUIPMENT

P-1 ITEM NOMENCLATURE
TRAILBLAZER DTSR/SELF LOCATION

MODS FOR IEW HVY FORCE SYS (TIARA) (BZ9751)

FACILITY NO.	U/M	SERV	PROGRAM QUANTITY FY 93P	FY 94	FY 95	FY 96	FY 97	ACCEPT PRIOR TO 1 OCT 94	BALANCE DUE AS OF 1 OCT 94	FISCAL YEAR 95												FISCAL YEAR 96												FISCAL YEAR 97												LATER
										CALENDAR YEAR 95												CALENDAR YEAR 96												CALENDAR YEAR 97												
										OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	
1		A	50					45	5	5																																		0
TOTAL								45	5	5	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

FACILITY NO.	MANUFACTURER'S NAME AND LOCATION	PRODUCTION RATES MINIMUM SUSTAIN	1-S-S	MAXIMUM	MONTHS TO REACH MAX AFTER D-DAY
1	GTE, Mt View, CA (DTSR Mfgr) ESL, Sunnyvale, CA (Integrator)	1	5	15	12

PROCUREMENT LEAD TIME

	ADMIN LEAD TIME PRIOR 1 OCT	ADMIN LEAD TIME AFTER 1 OCT	MANUFACTURING TIME	TOTAL AFTER 1 OCT
INITIAL	9	4	32	36
REORDER				

REMARKS

EXHIBIT P-21

P-1 SHOPPING LIST
ITEM NO. 65

UNCLASSIFIED

MODIFICATION OF WEAPON SYSTEMS	DATE: February 1995

MODIFICATION TITLE:
MODS FOR IEW HVY FORCES, TRACKWOLF THREAT UPDATE MC# 1-93-07-0009 (BZ9751)

MODELS OF SYSTEMS AFFECTED: TRACKWOLF, AN/TSQ-152, SSN: V18200

DESCRIPTION/JUSTIFICATION: TRACKWOLF is a High Frequency (HF) Skywave Communications Intelligence (COMINT) system which supports Echelons Above Corps (EAC) commanders by supplying intelligence and targeting information to theater level All Source analysis System (ASAS). Materiel changes will provide National and Army intelligence community with a collection asset better equipped to meet the requirements of a rapidly changing and highly diverse HF environment. There are number of enhancements which have been identified to keep the unit abreast of modern technological advances and changing threat. Included changes are the addition of satellite communications equipment for the Direction Finding (DF) network, the addition of interfaces to non-Army HF DF systems, hardware replacement of 286 computers with 486 computers, install priority DF system, upgrade databases and software changes which allow the operator to expedite processing time. Materiel changes will provide analytical operators more extensive data base management functionality and improved in-garrison and field reporting capability; collection oeprators increased collection and processing capabilities; provide increased communication, flexibility and handling throughout the DF network.

DEVELOPMENT STATUS/MAJOR DEVELOPMENT MILESTONES:	PLANNED MONTH/YEAR	ACTUAL MONTH/YEAR
Nine modifications are planned:		
PEO APPROVED MATERIEL CHANGE	OCT 93	OCT 93
1.Add satellite communications capability for DF Flashnet to include automatic frequency management for HF communications, improve audio recorder, add receiver squelch control.		
CONTRACT AWARD DATE	JUN 94	JUN 94
FIRST KIT APPLIED	FEB 95	
LAST KIT APPLIED	FEB 95	
2. Add direct interfaces to non-Army HF DF systems, SSP-S and WARRIOR.		
CONTRACT AWARD DATE	MAR 95	
FIRST KIT APPLIED	AUG 96	
LAST KIT APPLIED	AUG 96	
3. Add automatic DF tipping to the Army and NSA HF analysis systems.		
CONTRACT AWARD DATE	MAR 95	
FIRST KIT APPLIED	JUL 96	
LAST KIT APPLIED	JUL 96	

MODIFICATION OF WEAPON SYSTEMS	DATE: February 1995
MODIFICATION TITLE: MODS FOR IEW HVY FORCES, TRACKWOLF THREAT UPDATE MC# 1-93-07-0009 (BZ9751)	
MODELS OF SYSTEMS AFFECTED: TRACKWOLF, AN/TSQ-152, SSN: V18200	
DESCRIPTION/JUSTIFICATION: To provide continuation page for TRACKWOLF Modficiation Status/Milestones.	

DEVELOPMENT STATUS/MAJOR DEVELOPMENT MILESTONES:	PLANNED MONTH/YEAR	ACTUAL MONTH/YEAR
4. FY96 Add Split DF Operations Capability.		
CONTRACT AWARD DATE	OCT 95	
FIRST KIT APPLIED	JUN 96	
LAST KIT APPLIED	JUN 96	
5.6.7. FY97 Redesign DF Operator Duties; add DF queue and add priority scheme for emitter location requests.	OCT 96	
CONTRACT AWARD DATE	JUN 97	
FIRST KIT APPLIED	AUG 97	
LAST KIT APPLIED		
8.9. FY98 Upgrade computers to state of the art computers, and upgrade to current versions of CSU software.		
CONTRACT AWARD DATE	OCT 97	
FIRST KIT APPLIED	JUN 98	
LAST KIT APPLIED	JUL 98	

MODIFICATION TITLE: TRACKWOLF THREAT UPDATE

FINANCIAL PLAN: DATE September 1994

($ in Millions)

	FY PY		FY95		FY96		FY97		FY98		FY99		FY00		FY01		TC		TOTAL	
	Qty	$	Qty	$	Qty	$	Qty	$	Qty	$	Qty	$	Qty	$	Qty	$	Qty	$	Qty	$
RDT&E																				0.0
PROCUREMENT																				
KIT QUANTITY																			9	
Installation Kits	1	3.9	2	4.1	1	4.1	3	4.0	2	2.5										18.6
Installation Kit Nonrecurring																				0.0
Equipment																				0.0
Equipment Nonrecurring																				0.0
Engineering Change Orders																				0.0
Data		0.2		0.2		0.1		0.1		0.2										0.8
Training Equipment																				0.0
Support Equipment																				0.0
Other																				0.0
PM Admin		0.7		0.1		0.2		0.3		0.3										1.6
Fielding				0.1		0.1		0.1		0.1										0.4
Interim Contractor Support																				0.0
Installation of Hardware																				0.0
FY93 Eqpt (kits)																			0	0.0
FY94 Eqpt (1 kits)			1	0.1															1	0.1
FY95 Eqpt (2 kits)					2	0.1													2	0.1
FY96 Eqpt (1 kits)					1	0.0													1	0.0
FY97 Eqpt (3 kits)							3	0.1											3	0.1
FY98 Eqpt (2 kits)									2	0.0									2	0.0
FY99 Eqpt (kits)																			0	0.0
FY00 Eqpt (kits)																			0	0.0
FY(TC) Eqpt (kits)																			0	0.0
Total Installation Cost (Subtotal)	1	0.0	1	0.1	3	0.1	3	0.1	2	0.0	0	0.0	0	0.0	0	0.0	0	0.0	9	0.3
TOTAL PROCUREMENT COST		4.8		4.6		4.6		4.6		3.1		0.0		0.0		0.0		0.0	9	21.7

METHOD OF IMPLEMENTATION: Contract Fielding Teams

ADMINISTRATIVE LEADTIME: 3 MONTHS **PRODUCTION LEADTIME:** 21 MONTHS

CONTRACT DATE:	FY 94: JUN94	FY 95: MAR95	FY 96: OCT95	FY 97: OCT96
DELIVERY DATE:	FY 94: FEB95	FY 95: JUL96	FY 96: JUN96	FY 97: JUN97

INSTALLATION SCHEDULE:	FY 93	FY 94				FY 95				FY 96				FY 97				FY98–99	TOTAL
		1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4		
INPUTS							1					1	2			1	2	2	9
OUTPUTS							1					1	2			1	2	2	9

UNCLASSIFIED

PRODUCTION SCHEDULE (EXHIBIT P-21)

DATE: February 1995

APPROPRIATION/BUDGET ACTIVITY
OTHER PROCUREMENT, ARMY 2, COMMUNICATIONS AND ELECTRONICS EQUIPMENT

P-1 ITEM NOMENCLATURE
TRACKWOLF Threat Update (BZ9751)

FACILITY NO.	U/M	SERV	PROGRAM QUANTITY FY 93P	FY 94	FY 95	FY 96	FY 97	ACCEPT PRIOR TO 1 OCT 94	BALANCE DUE AS OF 1 OCT 94	FISCAL YEAR 95														FISCAL YEAR 96												FISCAL YEAR 97											
										CALENDAR YEAR 95														CALENDAR YEAR 96												CALENDAR YEAR 97											
										OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	LATER
1		A		1				0	1					1																															0
1		A			1			0	1						A																														0
1		A			1			0	1						A																														0
2		A				1		0	1													A								1															0
3		A					3	0	3																									A								1	1	1		0
TOTAL								0	7	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	1	0	0	0	0	0	0	0	0	1	1	1	0	0

FACILITY NO.	MANUFACTURER'S NAME AND LOCATION	PRODUCTION RATES MINIMUM SUSTAIN	1-2-3	MAXIMUM	MONTHS TO REACH MAX AFTER D-DAY
1	TCI, Inc., Sunnyvale, CA	1	8	12	24
2	To Be Selected				
3	To Be Selected				

PROCUREMENT LEAD TIME

	ADMIN LEAD TIME PRIOR 1 OCT	ADMIN LEAD TIME AFTER 1 OCT	MANUFACTURING TIME	TOTAL AFTER 1 OCT
INITIAL	3	6	8	14
REORDER	3	5	17	22

REMARKS
1. Add SATCOM capbility for DF net - 8 mos mfging time. (FY94)
2. Add direct interfaces to non-Army HF DF systems, SSP-S & WARRIOR. 17 mos mfging time (includes eng & test) - (FY95)
3. Add automatic DF tipping to HF analysis systems. 16 mos mfging time (includes eng & test) - (FY95)
4. Add split DF Opns capability-8 mos mfging time(FY96)
5. Redesign DF Operator Duties, add DF queue & priority 8 mos mfging time (FY97)

EXHIBIT P-21

MODIFICATION OF WEAPON SYSTEMS	DATE: February 1995

MODIFICATION TITLE:
TEAMMATE INTEROPERABILITY WITH QUICKFIX MC #1-90-07-0011 (BZ9752)

MODELS OF SYSTEMS AFFECTED: Radio Set, Receiving, AN/TRQ-32, SSN: V07700

DESCRIPTION/JUSTIFICATION: TEAMMATE, AN/TRQ32, is a ground based HF/VHF/UHF communications intercept, processing, and Direction Finding (DF) system. QUICKFIX, EH-60A is a helibome HF/VHF/UHF communications intercept, processing, DF, and jamming system. These two systems are assigned to many of the same units, yet are unable to interoperate in the DF mode to calculate a fix location on communications associated with enemy weapon systems and units. The purpose of this Materiel Change (MC), is to provide for the required interoperability. This MC will allow any of the TEAMMATE systems to act as a "master" station tasking QUICKFIX systems to provide line of bearing information. This will have the effect of elevating the TEAMMATE antenna thus greatly increasing location and range accuracy. Additionally, this materiel change provides the requisite force multiplier to accommodate combat losses to either system and maintain operation when systems are down for maintenance. Current modifications and upgrades will increase safety, provide cross country mobility consistent with the supported forces, improve long distance communications with both indirect fire and other ground/air target location assets, and enhance individual operator efficiency.

DEVELOPMENT STATUS/MAJOR DEVELOPMENT MILESTONES:	PLANNED MONTH/YEAR	ACTUAL MONTH/YEAR
The proposed acquisiton was a sole source modification to the Host Interface Unit (HIU) contract effort underway to support exisiting and future Intelligence and Electronic Warfare (IEW) systems. By integrating these two efforts, substantial duplication of effort was avoided.		
CONTRACT AWARD DATE	MAR 91	MAR 91
FIRST ARTICLE TECHNICAL TESTING (SOFTWARE AND HARDWARE)	MAY 93	MAY 93
IPR/FIELDING DECISION	SEP 93	SEP 93
FIRST PROD HARDWARE DELIVERED	MAR 94	MAR 94
MFA/MWOFP NEGOTIATE	MAY 93	MAY 93
FIRST KIT APPLIED	MAR 94	MAR 94
LAST KIT APPLIED	FEB 96	

MODIFICATION TITLE: TEAMMATE/QUICKFIX INTEROP MC

FINANCIAL PLAN: ($ in Millions) **DATE** February 1995

	FY PY		FY95		FY96		FY97		FY98		FY99		FY00		FY01		TC		TOTAL	
	Qty	$	Qty	$	Qty	$	Qty	$	Qty	$	Qty	$	Qty	$	Qty	$	Qty	$	Qty	$
RDT&E																				0.0
PROCUREMENT																				
KIT QUANTITY																			71	
Installation Kits	71	15.0																		15.0
Installation Kit Nonrecurring		8.4																		8.4
Installed Equipment																				0.0
Installed Equipment Nonrecurring																				0.0
Engineering Change Orders		7.7																		7.7
Data		1.8																		1.8
Training Equipment																				0.0
Support Equipment																				0.0
Other																				0.0
PM Admin		0.9																		0.9
Fielding		1.9																		1.9
Interim Contractor Support																				0.0
Installation of Hardware																				0.0
FY93 Eqpt (kits)																			0	0.0
FY94 Eqpt (kits)																			0	0.0
FY95 Eqpt (kits)																			0	0.0
FY96 Eqpt (kits)																			0	0.0
FY97 Eqpt (kits)																			0	0.0
FY98 Eqpt (kits)																			0	0.0
FY99 Eqpt (kits)																			0	0.0
FY00 Eqpt (kits)																			0	0.0
FY(TC) Eqpt (kits)																			0	0.0
Total Installation Cost (Subtotal)	71	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	71	0.0
TOTAL PROCUREMENT COST		35.7		0.0		0.0		0.0		0.0		0.0		0.0		0.0		0.0	71	35.7

METHOD OF IMPLEMENTATION: Contractor will perform integration and installation of this kit at contractor plant prior to fielding.

ADMINISTRATIVE LEADTIME: 2 MONTHS **PRODUCTION LEADTIME:** 21 MONTHS

CONTRACT DATE:	FY 94: DEC93	FY 95:	FY 96:
DELIVERY DATE:	FY 94: SEP94	FY 95:	FY 96:

	FY 93	FY 94				FY 95				FY 96				FY 97				FY98-99	TOTAL
INSTALLATION SCHEDULE:		1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4		
INPUTS			3	9	9	9	9	9	9	9	5								71
OUTPUTS			3	9	9	9	9	9	9	9	5								71

UNCLASSIFIED

PRODUCTION SCHEDULE (EXHIBIT P-21)

DATE: February 1995

APPROPRIATION/BUDGET ACTIVITY: OTHER PROCUREMENT, ARMY 2, COMMUNICATIONS AND ELECTRONICS EQUIPMENT

P-1 ITEM NOMENCLATURE: TEAMMATE/QUICKFIX Interop 1-90-07-0011

MODS FOR IEW LIGHT FORCE SYSTEMS (TIARA) (BZ9751)

FACIL ITY NO.	U/M	SERV	PROGRAM QUANTITY FY 93P	FY 94	FY 95	FY 96	FY 97	ACCEPT PRIOR TO 1 OCT 94	BALANCE DUE AS OF 1 OCT 94	FISCAL YEAR 95												FISCAL YEAR 96												FISCAL YEAR 97											
										CALENDAR YEAR 95												CALENDAR YEAR 96												CALENDAR YEAR 97											
										OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	LATER
1		A	19					19	0																																			0
1		A		52				2	50	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	2																		0
TOTAL								21	50	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	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	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	

FACIL ITY NO.	MANUFACTURER'S NAME AND LOCATION	PRODUCTION RATES MINIMUM SUSTAIN	1-2-5	MAXIMUM	MONTHS TO REACH MAX AFTER D-DAY
1	Magnavox, Ft Wayne, In	1	3	18	12

PROCUREMENT LEAD TIME

	ADMIN LEAD TIME PRIOR 1 OCT	ADMIN LEAD TIME AFTER 1 OCT	MANU-FACTURING TIME	TOTAL AFTER 1 OCT
INITIAL	9	5	34	39
REORDER	1	2	9	11

REMARKS

Revised fielding plan stretched fielding beyond original 12 months in order to minimize unit disruption.

EXHIBIT P-21

MODIFICATION OF WEAPON SYSTEMS	DATE: February 1995

MODIFICATION TITLE:
TEAMMATE TACTICAL PROFICIENCY TRAINER MC #1-92-07-0002 (BZ9752)

MODELS OF SYSTEMS AFFECTED: Radio Set, Receiving, AN/TRQ-32, SSN: V07700

DESCRIPTION/JUSTIFICATION: TEAMMATE Tactical Proficiency Trainer (TM TPT) will allow the unit commander to conduct operator sustainment training as required while the operator personnel are in garrison on their own system. The TM TPT requirement is documented in Operational Requirements Document (ORD) dated 7 Dec 92 and is required for systems fielded to active and reserve units. TM TPT will greatly enhance operator proficiency training and is an absolute requirement for TEAMMATE systems fielded to the Regional Training Sites Intelligence - SIGINT (RTSI-S) established for the in-garrison training of reserve forces. Concept design envisions two Versa Module Eurocard (VME) circuit cards with cabling and two Computer Software Configuration Items (CSCI).
Operationally, the concept design would work by injecting a modulated RF signal into the TEAMMATE's RF Distribution Unit (RFDU) from which simulations could be made for the TEAMMATE system with a realistic environment simulator that will simulate communication intercept, AN/TRQ-32A(V)2 Direction Finding (DF), DF net, and Command, Control, and Reporting capabilities as part of the TEAMMATE systems function. TM TPT will reduce administrative Temporary Duty (TDY) costs associated with training.

DEVELOPMENT STATUS/MAJOR DEVELOPMENT MILESTONES:	PLANNED MONTH/YEAR	ACTUAL MONTH/YEAR
CONTRACT AWARD DATE	DEC 93	DEC 93
FIRST PRODUCTION HARDWARE DELIVERED	MAY 95	
MATERIEL FIELDING AGREEMENT/MOD. WORK ORDER FIELDING PLAN NEGOTIATED	MAY 95	
FIRST KIT APPLIED	MAY 95	
LAST KIT APPLIED	MAY 96	

MODIFICATION TITLE: TEAMMATE TPT MC

FINANCIAL PLAN: (\$ in Millions) — DATE February 1995

	FY PY		FY95		FY96		FY97		FY98		FY99		FY00		FY01		TC		TOTAL	
	Qty	$	Qty	$	Qty	$	Qty	$	Qty	$	Qty	$	Qty	$	Qty	$	Qty	$	Qty	$
RDT&E																				0.0
PROCUREMENT																				
KIT QUANTITY																			71	
Installation Kits	53	2.1	18	0.7																2.8
Installation Kit Nonrecurring		1.7																		1.7
Installed Equipment																				0.0
Installed Equipment Nonrecurring																				0.0
Engineering Change Orders		0.2																		0.2
Data		0.6																		0.6
Training Equipment																				0.0
Support Equipment																				0.0
Other																				0.0
PM Admin		0.3		0.4																0.7
Fielding				0.4		0.1														0.5
Interim Contractor Support																				0.0
Installation of Hardware																				0.0
FY93 Eqpt (kits)																			0	0.0
FY94 Eqpt (53 kits)			23	1.0	30	0.1													53	1.1
FY95 Eqpt (18 kits)					18	0.1													18	0.1
FY96 Eqpt (kits)																			0	0.0
FY97 Eqpt (kits)																			0	0.0
FY98 Eqpt (kits)																			0	0.0
FY99 Eqpt (kits)																			0	0.0
FY00 Eqpt (kits)																			0	0.0
FY(TC) Eqpt (kits)																			0	0.0
Total Installation Cost (Subtotal)	0	0.0	23	1.0	48	0.2	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	71	1.2
TOTAL PROCUREMENT COST		4.9		2.5		0.3		0.0		0.0		0.0		0.0		0.0		0.0	71	7.7

METHOD OF IMPLEMENTATION: Contractor installation of software, minor hardware.

ADMINISTRATIVE LEADTIME: 2 MONTHS PRODUCTION LEADTIME: 16 MONTHS

CONTRACT DATE:	FY 94: DEC93	FY 95: NOV94	FY 96:
DELIVERY DATE:	FY 94: MAY95	FY 95: MAR96	FY 96:

INSTALLATION SCHEDULE:	FY 93	FY 94				FY 95				FY 96				FY 97				FY98–99	TOTAL
		1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4		
INPUTS								5	18	18	18	12							71
OUTPUTS								5	18	18	18	12							71

P-1 SHOPPING LIST ITEM NO. 65

EXHIBIT P-3A

UNCLASSIFIED

PRODUCTION SCHEDULE (EXHIBIT P-21)

DATE: February 1995

APPROPRIATION/BUDGET ACTIVITY
OTHER PROCUREMENT, ARMY 2, COMMUNICATIONS AND ELECTRONICS EQUIPMENT

P-1 ITEM NOMENCLATURE
TEAMMATE TPT 1-92-07-0002

MODS FOR IEW LIGHT FORCE SYSTEMS (TIARA) (BZ9751)

FACILITY NO.	U/M	SERV	PROGRAM QUANTITY FY 93R	FY 94	FY 95	FY 96	FY 97	ACCEPT PRIOR TO 1 OCT 94	BALANCE DUE AS OF 1 OCT 94	FISCAL YEAR 95												FISCAL YEAR 96												FISCAL YEAR 97										
										CALENDAR YEAR 95												CALENDAR YEAR 96												CALENDAR YEAR 97										
										OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	LATER
1		A		53				53	0								2	3	6	6	6	6	6	6	6	6																			0
1		A			18			18	0		A															6	6	6																0
TOTAL								71	0	0	0	0	0	0	0	0	2	3	6	6	6	6	6	6	6	6	6	6	6	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	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	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	

FACILITY NO.	MANUFACTURER'S NAME AND LOCATION	PRODUCTION RATES MINIMUM SUSTAIN	1-8-5	MAXIMUM	MONTHS TO REACH MAX AFTER D-DAY
1	Magnavox, Ft Wayne, In	1	6	18	36

PROCUREMENT LEAD TIME

	ADMIN LEAD TIME PRIOR 1 OCT	ADMIN LEAD TIME AFTER 1 OCT	MANUFACTURING TIME	TOTAL AFTER 1 OCT
INITIAL	9	1	18	19
REORDER	1	1	16	17

REMARKS

EXHIBIT P-21

P-1 SHOPPING LIST
ITEM NO. 65

UNCLASSIFIED

MODIFICATION OF WEAPON SYSTEMS	DATE: February 1995

MODIFICATION TITLE:
SINCGARS INTEG/INSTALLATION INTO IEW SYSTEMS MC #1-91-07-0003 (BZ9752)

MODELS OF SYSTEMS AFFECTED: AN/TRQ-32 (TEAMMATE); AN/TSQ-138 (TRAILBLAZER) AND AN/PRD-12 (LMRDFS)

DESCRIPTION/JUSTIFICATION: The Materiel Change will resolve problems (hardware and software) associated with integration of the Single Channel Ground and Airborne Radio System (SINCGARS) into Intelligence Electronic Warfare (IEW) systems. SINCGARS is the new generation of Combat Net Radio (CNR). It is replacing the AN/VRC12 family of single channel radios. Fieldings have been completed in SOUTHCOM and Korea and are scheduled to continue through FY97 until all of the Army is converted to SINCGARS SINCGARS provides effective Electronic Counter-Countermeasures (ECCM) by randomly hopping over preassigned frequencies. This random hopping causes anomalies in IEW mission equipment which requires hardware/software changes. In addition, its integration into IEW systems requires other hardware and software changes because of differences from the AN/VRC-12 series radios being replaced. SINCGARS will be used for voice communications in the TRAILBLAZER, TEAMMATE, and LMRDFS IEW systems. TEAMMATE and LMRDF will also use SINCGARS as they currently use the AN/VRC-12 for a direction finding sensor link.

DEVELOPMENT STATUS/MAJOR DEVELOPMENT MILESTONES:	PLANNED MONTH/YEAR	ACTUAL MONTH/YEAR
IN PROCESS REVIEW/PRODUCTION DECISION	SEP 93	SEP 93
CONTRACT AWARD	MAR 94	MAR 94
FIRST PRODUCTION HARDWARE DELIVERED	FEB 96	
MATERIEL FIELDING AGREEMENT/MOD.WORK ORDER FIELDING PLAN NEGOTIATED	OCT 95	
FIRST KIT APPLIED	FEB 96	
LAST KIT APPLIED	FEB 99	

MODIFICATION TITLE: SINCGARS MC

FINANCIAL PLAN: ($ in Millions) **DATE** February 1995

	FY PY		FY95		FY96		FY97		FY98		FY99		FY00		FY01		TC		TOTAL	
	Qty	$	Qty	$	Qty	$	Qty	$	Qty	$	Qty	$	Qty	$	Qty	$	Qty	$	Qty	$
RDT&E																				0.0
PROCUREMENT																				
KIT QUANTITY																			183	
Installation Kits	1	0.7	10	8.7	87	13.9	85	11.3												34.6
Installation Kit Nonrecurring																				0.0
Equipment																				0.0
Equipment Nonrecurring																				0.0
Engineering Change Orders		0.1																		0.1
Data		0.1																		0.1
Training Equipment																				0.0
Support Equipment																				0.0
Other																				0.0
PM Admin		0.1		0.1		0.4		0.2												0.8
Fielding		0.0		0.3		0.3		0.3												0.9
Interim Contractor Support																				0.0
Installation of Hardware																				0.0
FY93 Eqpt (kits)																			0	0.0
FY94 Eqpt (1 kits)					1	0.1													1	0.1
FY95 Eqpt (10 kits)					7	0.2	3	0.1											10	0.3
FY96 Eqpt (87 kits)							49	0.4	38	0.0									87	0.0
FY97 Eqpt (85 kits)									49	0.0	36	0.0							85	0.0
FY98 Eqpt (kits)																			0	0.0
FY99 Eqpt (kits)																			0	0.0
FY00 Eqpt (kits)																			0	0.0
FY(TC) Eqpt (kits)																			0	0.0
Total Installation Cost (Subtotal)	0	0.0	0	0.0	8	0.3	52	0.5	87	0.0	36	0.0	0	0.0	0	0.0	0	0.0	183	0.4
TOTAL PROCUREMENT COST		1.0		9.1		14.9		12.3		0.0		0.0		0.0		0.0		0.0	183	36.9

METHOD OF IMPLEMENTATION: Contractor Teams

ADMINISTRATIVE LEADTIME: 5 MONTHS **PRODUCTION LEADTIME:** 16 MONTHS

CONTRACT DATE:	FY 94: MAR94	FY 95:NOV94	FY 96:NOV95	FY 97:NOV96
DELIVERY DATE:	FY 94: FEB96	FY 95: MAR96	FY 96:MAR97	FY 97:MAR98

INSTALLATION SCHEDULE:	FY 93	FY 94				FY 95				FY 96				FY 97				FY98-99		TOTAL
		1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4			
INPUTS											2	3	3	3	7	21	21	87	36	183
OUTPUTS											2	3	3	3	7	21	21	87	36	183

UNCLASSIFIED

PRODUCTION SCHEDULE (EXHIBIT P-21)

DATE: February 1995

APPROPRIATION/BUDGET ACTIVITY
OTHER PROCUREMENT, ARMY 2, COMMUNICATIONS AND ELECTRONICS EQUIPMENT

P-1 ITEM NOMENCLATURE
SINCGARS INTEG/INSTALLATION 1-91-07-0003 (BZ9752)

FACILITY NO.	U/M	SERV	PROGRAM QUANTITY FY 93P	FY 94	FY 95	FY 96	FY 97	ACCEPT PRIOR TO 1 OCT 94	BALANCE DUE AS OF 1 OCT 94	FISCAL YEAR 95														FISCAL YEAR 96												FISCAL YEAR 97									
										CALENDAR YEAR 95														CALENDAR YEAR 96												CALENDAR YEAR 97									
										OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	LATER
1		A		1				0	1																1																			0
1		A			10			0	10		A																1	1	1	1	1	1	1	1	1	1									0
2		A				87		0	87														A													7	7	7	7	7	7	7	38
2		A					85	0	85																																					85
TOTAL								0	183	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	1	1	1	1	1	1	1	1	1	0	0	7	7	7	7	7	7	7	123

FACILITY NO.	MANUFACTURER'S NAME AND LOCATION
1	QUESTECH INC, Falls Church, VA
2	To Be Selected

PRODUCTION RATES

MINIMUM SUSTAIN	1-0-5	MAXIMUM	MONTHS TO REACH MAX AFTER D-DAY
1	8	21	36

PROCUREMENT LEAD TIME

	ADMIN LEAD TIME PRIOR 1 OCT	ADMIN LEAD TIME AFTER 1 OCT	MANUFACTURING TIME	TOTAL AFTER 1 OCT
INITIAL	9	5	23	28
REORDER	4	1	16	17

REMARKS

TEAMMATE	71
TRAILBLAZER	41
LMRDF8	71
TOTAL	183

FY 94: 1 EA TB INITIAL
FY95: 10 EA TB
FY96: 30 EA TB
29 EA TM
28 EA LM
FY97: 42 EA TM COMPLETE
43 EA LM COMPLETE

EXHIBIT P-21

P-1 SHOPPING LIST
ITEM NO. 65

UNCLASSIFIED

UNCLASSIFIED

PRODUCTION SCHEDULE (EXHIBIT P-21)

DATE: February 1995

APPROPRIATION/BUDGET ACTIVITY
OTHER PROCUREMENT, ARMY 2, COMMUNICATIONS AND ELECTRONICS EQUIPMENT

P-1 ITEM NOMENCLATURE
SINCGARS INTEG/INSTALLATION 1-91-07-0003 (BZ9752)

FACILITY NO.	U/M	SERV	PROGRAM QUANTITY FY 93P	FY 94	FY 95	FY 96	FY 97	ACCEPT PRIOR TO 1 OCT 97	BALANCE DUE AS OF 1 OCT 97	FISCAL YEAR 98														FISCAL YEAR 99												FISCAL YEAR 00										
										CALENDAR YEAR 98														CALENDAR YEAR 99												CALENDAR YEAR 00										
										OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	LATER
1		A		1				1	0																																				0
1		A			10			10	0																																				0
2		A				87		49	38	7	7	8	8	8																														0
2		A					85	0	85						7	7	7	7	7	7	7	7	7	7	7	8																			0
TOTAL								60	123	7	7	8	8	8	7	7	7	7	7	7	7	7	7	7	7	8	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	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	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	

FACILITY NO.	MANUFACTURER'S NAME AND LOCATION	PRODUCTION RATES MINIMUM SUSTAIN	1-S-S	MAXIMUM	MONTHS TO REACH MAX AFTER D-DAY
1	QUESTECH, INC. Falls Church, VA	1	8	21	36
2	To Be Selected				

PROCUREMENT LEAD TIME

	ADMIN LEAD TIME PRIOR 1 OCT	ADMIN LEAD TIME AFTER 1 OCT	MANUFACTURING TIME	TOTAL AFTER 1 OCT
INITIAL	9	5	23	28
REORDER	4	1	16	17

REMARKS

EXHIBIT P-21

P-1 SHOPPING LIST ITEM NO. 65

UNCLASSIFIED

REPORTS CONTROL SYMBOL DD-COMP(AR) 1092	BUDGET ITEM JUSTIFICATION SHEET	DATE FEBRUARY 1995

APPROPRIATION / BUDGET ACTIVITY	P-1 ITEM NOMENCLATURE
Other Procurement, Army 2 - Communications and Electronics Equipment	ITEMS LESS THAN $2.0M (TIARA) (BK5278)

	FY 94	FY 95	FY 96	FY 97	FY 98	FY 99	FY 00	FY 01
QUANTITY								
COST (In Millions)	$	$	$ 0.5	$ 0.5	$ 0.6	$ 0.6	$ 0.6	$ 0.6

CLASSIFIED PROGRAM: INFORMATION WILL BE PROVIDED UPON REQUEST

BUDGET ITEM JUSTIFICATION SHEET					DATE: February 1995			
APPROPRIATION/BUDGET ACTIVITY: OTHER PROCUREMENT, ARMY 2 - COMMUNICATIONS & ELECTRONICS EQUIPMENT					P-1 ITEM NOMENCLATURE: MOD OF IN-SVC EQUIP (EW) (BZ7327)			
	FY94	FY95	FY96	FY97	FY98	FY99	FY00	FY01
QUANTITY								
COST (IN MILLIONS)	8.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

DESCRIPTION:

	FY94	FY95	FY96
MODS FOR EW EQUIP (BA6100):			
Host Interface Unit MC #1-90-07-0012	8.007	0.0	0.0

JUSTIFICATION:

The Mods for EW Equip (BA6100) provided FY94 funds for the Host Interface Unit (HIU) - a computer based (software and hardware) unit required to provide the interface between Intelligence and Electronic Warfare (IEW) systems host computers. In order to insure an effective communications and interoperability among the fielded IEW systems, a standard interface between IEW system host computers has been developed and testing initiated. The HIU consolidates and accommodates differing sensor host requirements. The HIU is designed to accommodate both the existing Net Radio Protocol (NRP) and the industry standard (International Telegraph and Telephone Consultative Committee's (CCITT) X.25 protocol Non-Developmental Item (NDI) software. This approach will result in a multi-use unit capable of initially operating with the Technical Control Analysis Center (TCAC), NRP, and subsequently with the All Source Analysis System (ASAS) (NRP or X.25) in the 1990's era. In addition, the IEW Character Oriented Message Catalog (COMCAT) message formats will be implemented in a common software module. By adding Host Interface Units, the IEW systems will perform message handling, network management, operator support and data link control. The HIU will provide a common interface between the systems and the NRP and data transmission equipment.

MODIFICATION OF WEAPON SYSTEMS	DATE: February 1995

MODIFICATION TITLE:
HOST INTERFACE UNIT (HIU) (BA6100) MC #1-90-07-0012 (BZ7327)

MODELS OF SYSTEMS AFFECTED: TEAMMATE, AN/TRQ-32

DESCRIPTION/JUSTIFICATION: Mods for EW Equip (BA6100) provided FY 94 funds for the Host Interface Unit (HIU) computer based (software and hardware) unit required for the interface between Intelligence and Electronic Warfare (IEW) systems host computers. The HIU will be integrated into fielded TEAMMATE systems. The HIU unit is designed to accommodate both the existing Net Radio Protocol (NRP) and the industry standard (International Telegraph and Telephone Consultative Committee (CCITT)) X.25 protocol Non-Developmental Item (NDI) software. In addition, IEW Character Oriented Message Catalog (COMCAT) message formats will be implemented in a common software module. HIU will provide a datalink between the Technical Control Analysis Center (TCAC)/All Source Analysis System (ASAS) and IEW systems. TEAMMATE systems have been in the field since FY 88 and in order to accommodate the HIU Modification Work Order (MWO) Kits, substantial modifications and refurbishments must be made to the shelters (i.e., rewiring, floor repairs, DESERT STORM damage). TEAMMATE upgrades will improve long distance communications with both indirect fire and other ground/air target location assets, and enhance individual operator efficiency.

DEVELOPMENT STATUS/MAJOR DEVELOPMENT MILESTONES:	PLANNED MONTH/YEAR	ACTUAL MONTH/YEAR
RDT&E was conducted in PE 0604270A, Project DL12 and was completed in FY 92. The RDT&E program also provides for the standard module for integration into the developmental Joint STARS Ground Station Module, Ground Based Common Sensor-Light, Ground Based Common Sensor-Heavy, Advanced QUICKFIX systems, and Marine Corps Mobile Electronic Warfare Support System.		
PEO APPROVED MATERIEL CHANGE	SEP90	SEP90
COMBAT DEVELOPER (CBTDEV) APPROVED	SEP90	SEP90
PRODUCTION CONTRACT AWARD	NOV92	NOV92
FIRST ARTICLE TECHNICAL TESTING (HARDWARE AND SOFTWARE)	MAY93	MAY93
MATERIEL FIELDING AGREEMENT/MODIFICATION WORK ORDER FIELDING PLAN NEGOTIATED	MAY93	MAY93
FIRST PRODUCTION HARDWARE DELIVERED	MAR94	MAR94
FIRST KIT APPLIED	MAR94	MAR94
LAST KIT APPLIED	FEB96	

MODIFICATION TITLE: HOST INTERFACE UNIT MODELS OF SYSTEMS AFFECTED: AN/TRQ-32, TEAMMATE

FINANCIAL PLAN: ($ in Millions) **DATE** February 1995

	FY PY		FY95		FY96		FY97		FY98		FY99		FY00		FY01		TC		TOTAL	
	Qty	$	Qty	$	Qty	$	Qty	$	Qty	$	Qty	$	Qty	$	Qty	$	Qty	$	Qty	$
RDT&E		8.9																		8.9
PROCUREMENT																				
KIT QUANTITY																			71	
Installation Kits	71	12.2																		12.2
Installation Kit Nonrecurring		1.3																		1.3
Equipment																				0.0
Equipment Nonrecurring																				0.0
Engineering Change Orders		0.2																		0.2
Data		0.6																		0.6
Training Equipment																				0.0
Support Equipment																				0.0
Other																				0.0
PM Admin		0.4																		0.4
Fielding		2.0																		2.0
Interim Contractor Support																				0.0
Installation of Hardware																				0.0
FY93 Eqpt (kits)																			0	0.0
FY94 Eqpt (kits)																			0	0.0
FY95 Eqpt (kits)																			0	0.0
FY96 Eqpt (kits)																			0	0.0
FY97 Eqpt (kits)																			0	0.0
FY98 Eqpt (kits)																			0	0.0
FY99 Eqpt (kits)																			0	0.0
FY00 Eqpt (kits)																			0	0.0
FY(TC) Eqpt (kits)																			0	0.0
Total Installation Cost (Subtotal)	71	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	71	0.0
TOTAL PROCUREMENT COST		16.7		0.0		0.0		0.0		0.0		0.0		0.0		0.0		0.0	71	25.6

METHOD OF IMPLEMENTATION: Contractor will perform integration and installation of this kit at contractor's plant prior to fielding.

ADMINISTRATIVE LEADTIME: 4 MONTHS **PRODUCTION LEADTIME:** 13 MONTHS

CONTRACT DATE: FY 94: FEB94 FY 95: FY 96:

DELIVERY DATE: FY 94: MAR95 FY 95: FY 96:

INSTALLATION SCHEDULE:	FY 93	FY 94				FY 95				FY 96				FY 97				FY98-99	TOTAL
		1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4		
INPUTS			3	9	9	9	8	9	9	9	6								71
OUTPUTS			3	9	9	9	8	9	9	9	6								71

UNCLASSIFIED

PRODUCTION SCHEDULE (EXHIBIT P-21)

DATE: February 1995

APPROPRIATION/BUDGET ACTIVITY
OTHER PROCUREMENT, ARMY 2, COMMUNICATIONS AND ELECTRONICS EQUIPMENT

P-1 ITEM NOMENCLATURE
MOD OF IN-SVC EQUIP (EW) Host Interface Unit (BZ7327)

FACILITY NO.	U/M	SERV	PROGRAM QUANTITY FY 93P	FY 94	FY 95	FY 96	FY 97	ACCEPT PRIOR TO 1 OCT 94	BALANCE DUE AS OF 1 OCT 94	FISCAL YEAR 95 OCT	NOV	DEC	CALENDAR YEAR 95 JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	FISCAL YEAR 96 OCT	NOV	DEC	CALENDAR YEAR 96 JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	FISCAL YEAR 97 OCT	NOV	DEC	CALENDAR YEAR 97 JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	LATER
1		A	37					21	16	3	3	3	3	4																														0
1		A		34				0	34						1	3	3	3	3	3	3	3	3	3	3	3																		0
TOTAL								21	50	3	3	3	3	4	1	3	3	3	3	3	3	3	3	3	3	3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

FACILITY NO.	MANUFACTURER'S NAME AND LOCATION
1	Magnavox, Ft Wayne, IN

PRODUCTION RATES

MINIMUM SUSTAIN	1-2-3	MAXIMUM	MONTHS TO REACH MAX AFTER D-DAY
3	4	12	12

PROCUREMENT LEAD TIME

	ADMIN LEAD TIME PRIOR 1 OCT	ADMIN LEAD TIME AFTER 1 OCT	MANUFACTURING TIME	TOTAL AFTER 1 OCT
INITIAL	1	2	13	15
REORDER	1	4	13	17

REMARKS

Production schedule identifies contractor delivery schedule.

EXHIBIT P-21

P-1 SHOPPING LIST
ITEM NO. 67

UNCLASSIFIED

REPORTS CONTROL SYMBOL DD-COMP(AR) 1092	BUDGET ITEM JUSTIFICATION SHEET	DATE FEBRUARY 1995

APPROPRIATION / BUDGET ACTIVITY	P-1 ITEM NOMENCLATURE
Other Procurement, Army 2 - Communications and Electronics Equipment	Counter-Intelligence/Security Countermeasures (CI/SCM) Equipment (BL5283)

	FY 94	FY 95	FY 96	FY 97	FY 98	FY 99	FY 00	FY 01
QUANTITY								
COST (In Millions)	$ 2.4	$ 1.8	$ 2.6	$ 1.7	$ 2.4	$ 1.8	$ 2.0	$ 2.9

Line was titled COM/GEN.

CLASSIFIED PROGRAM: INFORMATION WILL BE PROVIDED UPON REQUEST

BUDGET ITEM JUSTIFICATION SHEET					DATE: FEBRUARY 1995			
APPROPRIATION/BUDGET ACTIVITY: OTHER PROCUREMENT, ARMY 2 – COMMUNICATIONS & ELECTRONICS EQUIPMENT					P–1 ITEM NOMENCLATURE: FAAD GBS (WK5053)			
	FY94	FY95	FY96	FY97	FY98	FY99	FY00	FY01
QUANTITY	–	–	8	15	5	9	3	4
COST (IN MILLIONS)	$7.9	$63.9	$44.7	$53.3	$46.8	$44.4	$64.3	$69.0

DESCRIPTION:

The Forward Area Air Defense Ground Base Sensor (FAAD GBS), AN/MPQ–64, is the Army's prime contributor of air picture data to construct digitized battlefield information for force protection from hostile air attack and reconnaissance, surveillance and target acquisition (RSTA) and assist in prevention of fratricide. The FAAD GBS accomplishes its primary mission by providing key target data to FAAD weapon systems and battlefield commanders via FAAD command and control (C2) data link or directly from the GBS using Enhanced Position Location Reporting System (EPLRS) or Single Channel Ground Air Radio System (SINCGARS) radios. AVENGERS, Bradley Stinger Fighting Vehicles (BSFV) and Man Portable Air Defense teams use FAAD GBS digital information such as target classification, identification, range, azimuth, and elevation to maximize weapon engagement range, and to increase effectiveness at night and during adverse weather conditions. Targets include rotary–wing and fixed wing aircraft, cruise missle, and UAVs.

JUSTIFICATION:

The Forward Area Alerting Radar (FAAR) was retired in FY90 because of low efficiency and high operating costs. Currently divisional air defense relies on the manual SHORAD control system. Scout teams use binoculars to search for aircraft; the teams then transmit targeting information over voice radios to the air battle management operation center (ARMOC). Information passed over the voice nets is not timely, accurate, nor adequate. The small piece of the battlefield the scouts observe produces significant risks to the division's rear and exposed flanks on the non–linear battlefield. Additionally, the rapidly escalating proliferation of UAVs and RPVs further limits the air defense unit commander's ability to detect, acquire, and destory these reconnaisslance vehicles in critical counter–reconnaissance, intelligence, surviellance, and target acquisition (RISTA) operations. The GBS system will resolve the critical range and visibility constraints resulting from binoculars or "eyeball" target acquisition on the battlefield. FY96 and FY97 funds provide production hardware for fielding to Force Package I units (82ND & 101ST Airborne Divisions, and 1st Cavalry Division), production verification testing, and sustainment of pre–production fielding.

(ID CODE: B)

WEAPON SYSTEM COST ANALYSIS EXHIBIT (P-5)	A. Appropriation/Budget Activity Title/No. Other Procurement, Army-2 Communication & Electronics Equip	B. WEAPON MODEL/SERIES/POPULAR NAME FAAD GBS	C. MANUFACTURER NAME PLANT CITY/STATE LOCATION Hughes Aircraft Company Jackson, MS	D. DATE: February 1995

Weapon System Cost Elements	IDENT CODE	FY 94 Unit Cost	FY 94 QTY	FY 94 Total Cost	FY 95 Unit Cost	FY 95 QTY	FY 95 Total Cost	FY 96 Unit Cost	FY 96 QTY	FY 96 Total Cost	FY 97 Unit Cost	FY 97 QTY	FY 97 Total Cost
HARDWARE													
GBS SYSTEMS					1,201	* 10	12,006	1,734	8	13,792	1,705	15	25,633
CONT MFG/ENG/PM							16,018			12,405			13,880
LONG LEAD	B			5,567									
TRAINING							15,484			244			712
ENGINEERING CHANGE ORDERS							1,088			879			
DATA							3,148			1,300			967
SYSTEM TEST & EVALUATION							539			2,962			263
INTERIM CONTRACTOR SUPPORT							4,928			3,258			3,031
ENGINEERING SUPPORT							4,520			4,177			3,316
IN-HOUSE													
CONTRACTS													
FIELDING							200			3			214
SOFTWARE ENGR							2,209			1,715			1,355
PROGRAM MANAGEMENT ADMIN				2,333			3,715			3,943			3,911
IN-HOUSE							(1,896)			(1,832)			(1,642)
CONTRACTS							(1,819)			(2,111)			(2,269)
TOTAL				7,900			63,855			44,678			53,282

* Quantities shown above reflect the latest acquisition strategy and are not yet reflected on the P-1.

BUDGET PROCUREMENT HISTORY AND PLANNING EXHIBIT (P-5A)					A. DATE February 1995					
B. APPROPRIATION/BUDGET ACTIVITY OTHER PROCUREMENT, ARMY 2- Communication and Electronic Equipment					C. P-1 ITEM NOMENCLATURE: FAAD GBS (WK5053)					
LINE ITEM/ FISCAL YEAR	CONTRACTOR AND LOCATION	CONTRACT METHOD & TYPE	CONTRACTED BY	AWARD DATE	DATE OF FIRST DELIVERY	QTY	UNIT COST	SPECS AVAILABL NOW	SPEC REV REQ'D	IF, YES WHEN AVAIL
*FY 94	HUGHES AIRCRAFT CO. FORREST, MS	FFP/OPT	MICOM	JUL 94	N/A	N/A	N/A	N/A	N/A	
FY 95	HUGHES AIRCRAFT CO. FORREST, MS	FFP/OPT	MICOM	JAN 95	JUL 96	10	1,201**	YES	NO	
FY 96	HUGHES AIRCRAFT CO. FORREST, MS	FFP/OPT	MICOM	JAN 96	MAY 97	8	1,724	YES	NO	
FY 97	HUGHES AIRCRAFT CO. FORREST, MS	FFP/OPT	MICOM	JAN 97	JAN 98	15	1,705	YES	NO	

REMARKS:

*FY 94 buys long lead items

** Unit cost with FY94 long lead funding included is $1.757M.

UNCLASSIFIED

REPORT CONTROL SYMBOL DD – COMP (AR) 1092	PRODUCTION SCHEDULE (EXHIBIT P–21)	DATE: February 1995
APPROPRIATION/BUDGET ACTIVITY OTHER PROCUREMENT, ARMY 2 – Communications and Electronic Equipment	P–1 ITEM NOMENCLATURE FAAD GBS (WK5053)	

FAD NO	U/M	SERV	PROGRAM QUANTITY FY BSP	FY 94	FY 95	FY 96	FY 97	ACCEPT PRIOR TO 1 OCT 94	BALANCE DUE AS OF 1 OCT 94	FISCAL YEAR 95												FISCAL YEAR 96												FISCAL YEAR 97												LATER
										CALENDAR YEAR 95												CALENDAR YEAR 96												CALENDAR YEAR 97												
										OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	
1	EA	A			10			0	10				A																	1	1	1	1	1	1	1	1	1	1						
1	EA	A				8		0	8																A																1	1	1	1	1	3
1	EA	A					18	0	18																												A									18
TOTAL								0	33	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	18
										OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	

FACILITY NO.	MANUFACTURER'S NAME	PRODUCTION RATES MINIMUM 8UST	1.5.5	MAX	MONTHS TO REACH MAX AFTER 0 DAY
1	HUGHES AIRCRAFT MISSISSIPPI	1	3	4	

PROCUREMENT LEAD TIME (MONTHS)	ADMIN LEAD TIME BEFORE 1 OCT	ADMIN LEAD TIME AFTER 1 OCT	PROD	TOTAL AFTER 1 OCT
INITIAL		4	18	22
REORDERS		4	18	19

REMARKS

P–1 SHOPP LINE NO. 70

UNCLASSIFIED

UNCLASSIFIED

REPORT CONTROL SYMBOL DD-COMP (AR) 1092	PRODUCTION SCHEDULE (EXHIBIT P-21)	DATE February 1995
APPROPRIATION/BUDGET ACTIVITY OTHER PROCUREMENT, ARMY 2 – Communications and Electronic Equipment	P-1 ITEM NOMENCLATURE FAAD GBS (WK5053)	

FAC NO	U/N	SERV	PROGRAM QUANTITY FY 93P	FY 94	FY 96	FY 96	FY 97	ACCEPT PRIOR TO 1 OCT 97	BALANCE DUE AS OF 1 OCT 97	FISCAL YEAR 96 / CALENDAR YEAR 96: OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	FISCAL YEAR 96 / CALENDAR YEAR 96: OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	FISCAL YEAR 96 / CALENDAR YEAR 96: OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	LATER
1	EA	A			10			10	0																																						
1	EA	A				8		8	3	1	1	1																																				
1	EA	A					18	0	18				1	1	2	1	1	2	1	1	2	1	1	1																									
TOTAL								18	18	1	1	1	1	1	2	1	1	2	1	1	2	1	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	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	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	

NO	MANUFACTURER'S NAME	PRODUCTION RATES MINIMUM ECONOMIC	1.0.0	MAX	MONTHS TO REACH MAX AFTER D DAY
1	HUGHES AIRCRAFT MISSISSIPPI	1	3	4	

PROCUREMENT LEAD TIME (MONTHS)	ADMIN LEAD TIME BEFORE 1 OCT	ADMIN LEAD TIME AFTER 1 OCT	PROD	TOTAL AFTER 1 OCT
INITIAL		4	18	22
REORDERS		4	18	19

REMARKS

P-1 SHOPPING LIST 70

UNCLASSIFIED

REPORT CONTROL SYMBOL DD-COMP(AR)1092	CODE "B" ITEM DESCRIPTION	DATE: February 1995
APPROPRIATION/BUDGET ACTIVITY OTHER PROCUREMENT, ARMY 2 – Communications and Electronic Equipment	P-1 ITEM NOMENCLATURE FAAD GBS (WK5053)	

CURRENT DEVELOPMENT AND TEST STATUS:

		CURRENT START DATE	SCHEDULE DATE LAST REPORTED	REASON FOR DELAY
a. TECH TEST	PLAN / ACTUAL	OCT 93	OCT 93	
b. LOGISTICS & MAINTAINABILITY DEMOS	PLAN / ACTUAL	JAN 94	JAN 94	
c. INITIAL OPER TEST & EVAL (IOT&E)	PLAN / ACTUAL	OCT 94	OCT 94	
d. AVAIL DATE OF TECH DATA PKG (TDP) OR PERFORMANCE SPECIFICATIONS	PLAN / ACTUAL	JAN 95	SEP 94	Funding Constraint

ESTIMATED DATE OF APPROVAL FOR SERVICE USE:
LOW RATE, JANUARY 1995; STANDARD, NOVEMBER 1996

EQUIPMENT ITEMS(S) TO BE REPLACED:
AN/MPQ-49 FORWARD AREA ALERTING RADAR (FAAR) WHICH WAS REMOVED FROM ARMY INVENTORY IN 1991.

EXTENT OF IMPROVEMENT OVER ITEMS(S) EQUIPMENT TO BE REPLACED:
A 3-DIMENSIONAL PHASED ARRAY RADAR SYSTEM WITH THE INHERENT CAPABILITY TO PROVIDE A NEAR REAL TIME AIR PICTURE TO AIR DEFENSE COMMAND AND CONTROL SYSTEMS AND CUE FAAD WEAPONS. REDUCED OPERATIONS AND SUPPORT COST OVER THE FAAR SYSTEM.

DEVELOPMENT CONTRACT INFORMATION:

CONTRACTOR NAME	PLANT LOCATION:	COMPONENT	THRU FY94	FY95	FY 96	BEYOND BYR
HUGHES AIRCRAFT CO.	FULLERTON, CA	RADAR	56.5	0.3		0.0
TOTAL RDT&E FUNDING			56.5	0.3		0.0

REMARKS;

P-1 SHOPPING LIST NO.
ITEM NO. 70

EXHIBIT P-19

BUDGET ITEM JUSTIFICATION SHEET					DATE: February 1995			
APPROPRIATION/BUDGET ACTIVITY: OTHER PROCUREMENT, ARMY 2 – COMMUNICATIONS & ELECTRONICS EQUIPMENT					P–1 ITEM NOMENCLATURE: NIGHT VISION DEVICES (KA3500)			
	FY94	FY95	FY96	FY97	FY98	FY99	FY00	FY01
QUANTITY	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
COST (IN MILLIONS)	$87.9	$80.0	$77.1	$81.8	$52.9	$72.8	$96.4	$121.3

DESCRIPTION: Night Vision Devices (KA3500) is a summary budget line. There are eight subsidiary lines which are: K36400, Night Vision AN/PVS–7 Aid, K41500 Night Vision, AN/PVS–10 Sniper Night Sight; B53800 Night Vision, AN/PVS–6 MELIOS; K22900, AN/PAS–13 Thermal Wpn Sight; K38400, AN/PLQ–5 Laser Countermeasure System; K30400, GEN II FLIR Horizontal; K38300, LRAS–3 Integration; K30800, Lightweight Video Reconnaissance System (LVRS). (1): The AN/PVS–7B is a lightweight, monocular Night Vision Goggle consisting of an Objective Lens Assembly, one state–of–the–art Third Generation Image Intensifier tube, and two Eyepiece Lens Assemblies integrated into a housing which is affixed to the user's head or helmet. The AN/PVS–7B is used by individual soldiers at night to perform Combat, Combat Support, and Combat Service Support operations. The TS–3895 and TS–4348 Test Sets support AN/PVS–7 maintenance. TS–4348 is a lightweight, handheld device used at unit level. TS–3895 is used at DS level to provide performance testing and fault isolation analysis. (2): The AN/PVS–10 is a Third Generation Image Intensification, Non–Developmental Item Night Sight for the M24 Sniper Weapon. (3): The AN/PVS–6 is a lightweight, battery powered, Eyesafe Laser Rangefinder that emits a single Laser light pulse which is reflected off a target and returns to the Rangefinder. The time of flight is measured, converted to range, and displayed in the Eyepiece of the Rangefinder. The AN/PVS–6, which is the only Eyesafe Rangefinder in the U.S. Army Inventory, is the replacement for the Non–Eyesafe AN/GVS–5. The AN/PVS–6 will be utilized by the individual soldier for reconnaissance, navigation and direction of artillery fire. (4): The AN/PAS–13 is a multi purpose Thermal Weapon Sight designed to be mounted on all Infantry Individual and Crew Served Weapons. It is a GEN II Thermal Device which significantly improves dismounted Infantry operational capability by increasing range and enabling both day and night vision through smoke, fog, battlefield obscurants and in extremely low light levels such as under triple canopy jungle. (5): The AN/PLQ–5 is a Laser Countermeasure System which is an adjunct to the M16 Rifle. It is designed to detect and counter threat Optical and Electro Optical Systems. The AN/PLQ–5 will enable the soldier to neutralize engagements by enemy armor and helicopters. (6): The GEN II FLIR Horizontal Integration program will horizontally integrate GEN II FLIR technical capability into critical, high priority combat platforms. It will enable the Army to insert key technology into the highest priority forces e.g. M1 Abrams, Armored Gun System, Bradley Fighting Vehicle System. (7): The LVRS is a system designed to capture and transmit still video images through military radios. The two types of LVRS are Outstations, for long range surveillance and Base stations, for headquarters to receive and process sigals. (8): The Long Range Advanced Scout Surveillance System (LRAS–3) is a long range multi sensor system for U S Army scouts which will provide the capability to detect, recognize, identify, range and designate potential targets. (9): The 25MM GEN III Tubes are direct replacement for the GEN II Tubes and will upgrade GEN II equipped AN/PVS–4, Individual Weapon Sights.

JUSTIFICATION:
The Army's ability to effectively conduct "around the clock" combat and effectively "own the night" to help dominate maneuver will be met through the procurement of the AN/PVS–7, AN/PVS–10, AN/PAS–13, AN/PLQ–5 and LVRS. The FY96/97 funds are required for the fifth year of a five year multiyear, multisystem Night Vision Device contract for AN/PVS–7 (the OMNIBUS Contract which buys the AN/PVS–7 includes the AN/AVS–6 Aviator's Night Vision Goggles, K35601), the production contracts for the AN/PAS–13 Thermal Weapon Sight, the AN/PLQ–5 Laser Countermeasure System (LCMS), the AN/PVS–10 Sniper Night Sight and the LVRS.
All procurements are to field Core Contingency Operations Forces.

WEAPON SYSTEM COST ANALYSIS EXHIBIT (P-5)		A. Appropriation/Budget Activity Title/No. Other Procurement Army 2 - Communications & Electronics Equipment		B. WEAPON MODEL/SERIES/POPULAR NAME Night Vision Devices	C. MANUFACTURER NAME PLANT CITY/STATE LOCATION	D. DATE: February 1995

Weapon System Cost Elements	IDENT CODE	FY94 Unit Cost	FY94 Qty	FY94 Total Cost	FY95 Unit Cost	FY95 Qty	FY95 Total Cost	FY96 Unit Cost	FY96 Qty	FY96 Total Cost	FY97 Unit Cost	FY97 Qty	FY97 Total Cost
HARDWARE													
Night Vision, AN/PVS-7 AID (K36400)	A	3,261	12,577	41,018	3,233	10,000	32,330	3,233	10,000	32,330	3,233	10,000	32,330
TEST EQUIPMENT, TS-4348		250	3,242	811									
Night Vision, AN/PVS-10 SNS (K41500)	A	5,842	650	3,797	5,325	403	2,146	5,325	750	3,994			
Night Vision, AN/PVS-8 MELIOS (B53800) *Includes C/VAM P3I	A	10,426	3,000	31,278									
Night Vision, AN/PAS-13 TWS (K22900)	B				21,671	922	19,981	21,558	858	18,497	20,222	1,078	21,799
Night Vision, AN/PLQ-5 LCMS (K38400)	B				162,760	50	8,138	103,900	40	4,156	103,624	125	12,953
Night Vision, LVRS (K30800)	B				28,333	60	1,700	28,328	64	1,813	28,329	76	2,153
AT4 Brackets				1,800									
HTI Training Devices (K30400)										3,568			
25MM GEN III Tubes					4,500	500	2250						
SUPPORT													
ECO'S				312			780			356			390
DATA				447			583			669			598
SYS TEST & EVAL				791			1,040			642			479
ENGINEERING SPT													
IN-HOUSE				1,952			2,393			2,343			2,277
CONTRACT				1,536			1,513			1,477			1,421
FIELDING				2,447			3,001			4,443			4,915
INTERIM CONTRACTOR SUPPORT				1,336			1,327			2,333			1,914
NON RECURRING TOOLING (TWS)							2,400						
PROJECT MANAGEMENT ADMINISTRATION				401			452			511			521
TOTAL				87,926			80,034			77,132			81,750

ITEM No. 71

BUDGET PROCUREMENT HISTORY AND PLANNING EXHIBIT (P-5A)

A. DATE: February 1995

B. APPROPRIATION/BUDGET ACTIVITY: Other Procurement, Army 2 - Communications & Electronics Equipment

C. P-1 ITEM NOMENCLATURE: Night Vision Devices (KA3500)

COST ELEMENTS/ FISCAL YEAR	CONTRACTOR AND LOCATION	CONTRACT METHOD & TYPE	CONTRACTED BY	AWARD DATE	DATE OF FIRST DELIVERY	QUANTITY	UNIT COST	SPECS AVAILABLE NOW	SPEC REV REQ'D	IF YES, WHEN AVAILABLE
AN/PVS-7										
FY94	ITT, Roanoke, VA	C/FPM-5(3)	CECOM	FEB 94	DEC 95	7,530	3,261	YES	NO	
FY94	Litton, Tempe, AZ	C/FPM-5(3)	CECOM	FEB 94	DEC 95	5,047	3,261			
FY95	ITT, Roanoke, VA	C/FPM-5(4)	CECOM	FEB 95	DEC 96	6,000	3,233			
FY95	Litton, Tempe, AZ	C/FPM-5(4)	CECOM	FEB 95	DEC 96	4,000	3,233			
FY96	ITT, Roanoke, VA	C/FPM-5(5)	CECOM	FEB 96	DEC 97	6,000	3,233			
FY96	Litton, Tempe, AZ	C/FPM-5(5)	CECOM	FEB 96	DEC 97	4,000	3,233			
FY97	TBS	C/FP	CECOM	FEB 97	MAR 98	10,000	3,233			
AN/PVS-10										
FY94	Varo OSD, Garland, TX	C/FP	CECOM	APR 94	JUL 95	650	5,842	YES	NO	
FY95	Varo OSD, Garland, TX	C/FP-O	CECOM	JUL 95	JUL 96	403	5,325			
FY96	Varo OSD, Garland, TX	C/FP-O	CECOM	DEC 95	DEC 96	750	5,325			
AN/PVS-6										
FY94	Varo OSD, Garland, TX	C/FPM-3(3)	CECOM	MAR 94	MAR 96	3,000	10,426	YES	NO	
AN/PLQ-5										
FY95	Lockheed-Sanders,	C/FPO	CECOM	JUN 95	JUN 96	50	162,760	YES	NO	
FY96	Manchester, NH	C/FPO	CECOM	MAY 96	APR 97	40	103,900			
FY97		C/FPO	CECOM	OCT 96	SEP 97	125	103,624			
AN/PAS-13										
FY95	Hughes, El Segundo, CA	C/FPO	CECOM	MAR 95	MAR 96	922	21,671	YES	NO	
FY96	Hughes, El Segundo, CA	C/FPO	CECOM	FEB 96	JAN 97	858	21,558			
FY97	Hughes, El Segundo, CA	C/FPO	CECOM	OCT 96	SEP 97	1,078	20,222			
LVRS										
FY95	TBS	C/FP	CECOM	JUN 95	AUG 96	60	28,333	YES	NO	
FY96	TBS	C/FP	CECOM	APR 96	APR 97	64	28,328			
FY97	TBS	C/FP	CECOM	JAN 97	JAN 98	76	28,329			

D. REMARKS:

FY97 AN/PVS-7 could be options against current contract or could be a new contract award, depending on customer requirements between now and FY97.

UNCLASSIFIED

PRODUCTION SCHEDULE (EXHIBIT P-21)

DATE: February 1995

APPROPRIATION/BUDGET ACTIVITY
OTHER PROCUREMENT, ARMY 2, COMMUNICATIONS AND ELECTRONICS EQUIPMENT

P-1 ITEM NOMENCLATURE
NIGHT VISION AN/PVS-7 AID (K36400)

FACILITY NO.	U/M	SERV	PROGRAM QUANTITY FY 93P	FY 94	FY 95	FY 96	FY 97	ACCEPT PRIOR TO 1 OCT 94	BALANCE DUE AS OF 1 OCT 94	FISCAL YEAR 95 / CALENDAR YEAR 95 OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	FISCAL YEAR 96 / CALENDAR YEAR 96 OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	FISCAL YEAR 97 / CALENDAR YEAR 97 OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	LATER
MISC	EA	MISC	----					127504	105	42	30	33																																
1	EA	A	7980					6618	1632	681	681																																		
1	EA	AF	1254					1049	205	160	45																																		
1	EA	MC	314					314	0																																		
1	EA	AR	2452					1741	711	298	413																																		
3	EA	A	5326					2924	2402	650	650	650	428	24																														
3	EA	MC	2674					0	2674					242	357	367	284	267	267	223	223	223	221																								
1	EA	NG	4002					0	4002			250	250	250	250	250	250	250	252	500	500	500	500																								
1	EA	MC	7752					0	7752			750	750	750	750	750	750	750	748	500	500	296	458																								
1	EA	AR	246					0	246													204	42																								
3	EA	AR	1963					0	1963				48	162	138	111	167	266	190	167	109	0	0	50	50	50	50	50	50	50	50	50	50	48	57													
3	EA	MC	3848					0	3848				57	117	86	111	82	0	0	0	0	0	0	283	283	283	283	283	283	283	283	283	283	283	282													
3	EA	NG	2048					0	2048		25	25	95	68	87	111	167	167	243	167	225	334	334																								
3	EA	AF	141					0	141				47	62	32																																
1	EA	A		7530				0	7530															631	688	750	750	750	750	711	500	500	500	500	500												
1	EA	MC		4183				0	4183															260	312	250	250	250	250	289	500	500	500	500	211	111											
1	EA	N		86				0	86															86																							
1	EA	NG		178				0	178																											178											
3	EA	A		5047				0	5047															420	420	420	420	420	421	421	421	421	421	421	421												
3	EA	MC		2263				0	2263																											137	176	146	137	137	137	137	137	189	273	657
3	EA	AF		77				0	77																												68	9									
3	EA	NG		613				0	613																													102	102	102	102	102	103				
1	EA	A			6000			0	6000					A																						500	500	500	500	500	500	500	500	500	500	1000
3	EA	A			4000			0	4000					A																						333	333	333	333	333	333	333	333	334	334	668
1	EA	A				6000		0	6000																									A												6000
3	EA	A				4000		0	4000																									A												4000
4	EA	A					10000	0	10000																													A									10000
								0																																							
TOTAL								140150	77706	1831	1844	1708	1675	1675	1700	1700	1700	1700	1700	1557	1557	1557	1555	1730	1753	1753	1753	1753	1754	1754	1754	1754	1754	1752	1471	1259	1077	1090	1072	1072	1072	1072	1073	1023	1107	22325
										OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	

FACILITY NO.	MANUFACTURER'S NAME AND LOCATION	PRODUCTION RATES MINIMUM SUSTAIN	1-6-5	MAXIMUM	MONTHS TO REACH MAX AFTER D-DAY
1	ITT CORP., ROANOKE VA	400	900	2500	
2	EOS (VARIAN ASSOC.), PALO ALTO, CA	250	800	1500	
3	LITTON INC, TEMPE, AZ	400	800	2000	
4	TBS	400	900	2000	

PROCUREMENT LEAD TIME

	ADMIN LEAD TIME PRIOR 1 OCT	ADMIN LEAD TIME AFTER 1 OCT	MANUFACTURING TIME	TOTAL AFTER 1 OCT
INITIAL	6	3	13	16
REORDER	1	1	11	12

REMARKS

1. PRODUCTION RATES ENCOMPASS AN/PVS-7 AND SPARE AN/PVS-7 (MX-10130) IMAGE INTENSIFIER TUBES. AN/AVS-6 AND AN/PVS-7 WITH ASSOCIATED TUBES FOR EACH, ARE PRODUCED ON THE SAME PRODUCTION LINE.
2. 13 MONTH LEAD TIME INCLUDES 2 MOS. FOR FY93 AWARD FOT&E.
3. EOS WAS GIVEN STRETCH-OUT TO ALLOW AN ORDERLY DOWNSIZING DUE TO NON AWARD FOR OMNIBUS III CONTRACT. EOS COMPLETED PRODUCTION DELIVERIES DEC 94
4. THE FY95 AND FY96 LEAD TIMES ARE LONGER DUE TO THE EARLY EXERCISE OF OMNIBUS III 2ND PROGRAM YEAR FOR ARMY RESERVE AND NATIONAL GUARD REQUIREMENTS.

P-1 SHOPPING LIST ITEM NO. 71

EXHIBIT P-21

UNCLASSIFIED

PRODUCTION SCHEDULE (EXHIBIT P-21)

DATE: February 1995

APPROPRIATION/BUDGET ACTIVITY
OTHER PROCUREMENT, ARMY 2, COMMUNICATIONS AND ELECTRONICS EQUIPMENT

P-1 ITEM NOMENCLATURE
NIGHT VISION AN/PVS-7 AID (K36400)

FACILITY NO.	U/M	SERV	PROGRAM QUANTITY FY 93P	FY 94	FY 95	FY 96	FY 97	ACCEPT PRIOR TO 1 OCT 97	BALANCE DUE AS OF 1 OCT 97	FISCAL YEAR 98 / CALENDAR YEAR 98 OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	FISCAL YEAR 99 / CALENDAR YEAR 99 OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	FISCAL YEAR 00 / CALENDAR YEAR 00 OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	LATER
MISC	EA	MISC	----					127609	0																																					
1	EA	A	7980					7980	0																																					
1	EA	AF	1254					1254	0																																					
1	EA	MC	314					314	0																																					
1	EA	AR	2452					2452	0																																					
3	EA	A	5326					5326	0																																					
3	EA	MC	2674					2674	0																																					
1	EA	NG	4002					4002	0																																					
1	EA	MC	7752					7752	0																																					
1	EA	AR	246					246	0																																					
3	EA	AR	1963					1963	0																																					
3	EA	MC	3848					3848	0																																					
3	EA	NG	2048					2048	0																																					
3	EA	AF	141					141	0																																					
1	EA	A		7530				7530	0																																					
1	EA	MC		4183				4183	0																																					
1	EA	N		86				86	0																																					
1	EA	NG		178				178	0																																					
3	EA	A		5047				5047	0																																					
3	EA	MC		2263				1606	657	273	270	114																																		
3	EA	AF		77				77	0																																					
3	EA	NG		613				613	0																																					
1	EA	A			6000			5000	1000	500	500																																		
3	EA	A			4000			4000	3332	334	334																																			
1	EA	A				6000		0	6000			500	500	500	500	500	500	500	500	500	500	500																						
3	EA	A				4000		0	4000			333	333	333	333	333	333	333	333	334	334	334																						
4	EA	A					10000	0	10000						833	833	833	833	833	833	833	833	834	834	834	834																			
TOTAL								195929	24989	1107	1104	947	833	833	1666	1666	1666	1666	1666	1667	1667	1667	1668	834	834	834	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	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	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	

FACILITY NO.	MANUFACTURER'S NAME AND LOCATION
1	ITT CORP., ROANOKE VA
2	EOS (VARIAN ASSOC.), PALO ALTO, CA
3	LITTON INC, TEMPE, AZ
4	TBS

PRODUCTION RATES

MINIMUM SUSTAIN	1-6-5	MAXIMUM	MONTHS TO REACH MAX AFTER D-DAY
400	900	2500	
250	800	1500	
400	800	2000	
400	900	2000	

PROCUREMENT LEAD TIME

	ADMIN LEAD TIME PRIOR 1 OCT	ADMIN LEAD TIME AFTER 1 OCT	MANUFACTURING TIME	TOTAL AFTER 1 OCT
INITIAL	6	3	13	16
REORDER	1	1	11	12

REMARKS

1. PRODUCTION RATES ENCOMPASS AN/PVS-7 AND SPARE AN/PVS-7 (MX-10130) IMAGE INTENSIFIER TUBES. AN/AVS-6 AND AN/PVS-7 WITH ASSOCIATED TUBES FOR EACH, ARE PRODUCED ON THE SAME PRODUCTION LINE.
2. 13 MONTH LEAD TIME INCLUDES 2 MOS. FOR FY93 AWARD FOT&E.
3. EOS WAS GIVEN STRETCH-OUT TO ALLOW AN ORDERLY DOWNSIZING DUE TO NON AWARD FOR OMNIBUS III CONTRACT. EOS COMPLETED PRODUCTION DELIVERIES DEC 94.
4. THE FY95 AND FY96 LEAD TIMES ARE LONGER DUE TO THE EARLY EXERCISE OF OMNIBUS III 2ND PROGRAM YEAR FOR ARMY RESERVE AND NATIONAL GUARD REQUIREMENTS.

UNCLASSIFIED

PRODUCTION SCHEDULE (EXHIBIT P-21)

DATE: February 1995

APPROPRIATION/BUDGET ACTIVITY
OTHER PROCUREMENT, ARMY 2, COMMUNICATIONS AND ELECTRONICS EQUIPMENT

P-1 ITEM NOMENCLATURE
NIGHT VISION AN/PVS-10 SNIPER NIGHT SIGHT (K41500)

FACIL ITY NO.	U/M	SERV	PROGRAM QUANTITY FY 93P	FY 94	FY 95	FY 96	FY 97	ACCEPT PRIOR TO 1 OCT 94	BALANCE DUE AS OF 1 OCT 94	FISCAL YEAR 95 / CALENDAR YEAR 95 OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	FISCAL YEAR 96 / CALENDAR YEAR 96 JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	FISCAL YEAR 97 / CALENDAR YEAR 97 JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	LATER
1	EA	A		650				0	650										25	25	50	50	50	50	50	50	75	75	75	75																	
1	EA	A			403			0	403										A																		75	75	75	75	75	28					
1	EA	A				750		0	750															A																		47	75	75	75	75	75	75	75	75	28
TOTAL								0	1803	0	0	0	0	0	0	0	0	0	25	25	50	50	50	50	50	50	75	75	75	75	75	75	75	75	75	75	75	75	75	75	75	75	75	75	75	75	28

FACIL ITY NO.	MANUFACTURER'S NAME AND LOCATION
1	VARO, Inc. Garland, TX

PRODUCTION RATES

MINIMUM SUSTAIN	1-2-3	MAXIMUM	MONTHS TO REACH MAX AFTER D-DAY
25	75	150	

PROCUREMENT LEAD TIME

	ADMIN LEAD TIME PRIOR 1 OCT	ADMIN LEAD TIME AFTER 1 OCT	MANU-FACTURING TIME	TOTAL AFTER 1 OCT
INITIAL	1	1	14	15
REORDER	1	1	12	13

REMARKS

CONTRACT AWARD IS FOR A GEN III DEVICE AWARDED AS A NON-DEVELOPMENTAL ITEM (NDI) FOR THE M24 SNIPER WEAPON

LONGER LEAD TIME IN INITIAL PRODUCTION YEAR IS FOR LIMITED USER TEST.

EXHIBIT P-21

P-1 SHOPPING LIST
ITEM NO. 71

UNCLASSIFIED

UNCLASSIFIED

PRODUCTION SCHEDULE (EXHIBIT P-21)

DATE: February 1995

APPROPRIATION/BUDGET ACTIVITY
OTHER PROCUREMENT, ARMY 2, COMMUNICATIONS AND ELECTRONICS EQUIPMENT

P-1 ITEM NOMENCLATURE
NIGHT VISION AN/PVS-6 MELIOS (B53800)

FACILITY NO.	U/M	SERV	PROGRAM QUANTITY FY 93P	FY 94	FY 95	FY 96	FY 97	ACCEPT PRIOR TO 1 OCT 94	BALANCE DUE AS OF 1 OCT 94	FISCAL YEAR 95														FISCAL YEAR 96												FISCAL YEAR 97												
										CALENDAR YEAR 95														CALENDAR YEAR 96												CALENDAR YEAR 97												
										OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	LATER
1	EA	A	5353					936	4419	149	149	149	149	149	299	299	299	299	300	300	300	300	300	300	300	300	78																				
1	EA	N	7					4	3																		3																				
1	EA	AP	26					2	24																		24																				
1	EA	PMS	10					0	10																		10																				
1	EA	FBI	15					5	10	1	1	1	1	1	1	1	1	1	1																												
1	EA	A		3000				0	3000																		185	300	300	300	300	300	300	300	300	300	115										
TOTAL								947	7466	150	150	150	150	150	300	300	300	300	301	300	300	300	300	300	300	300	300	300	300	300	300	300	300	300	300	300	115	0	0	0	0	0	0	0	0	0

FACILITY NO.	MANUFACTURER'S NAME AND LOCATION
1	IMO OSD (OEC) GARLAND, TX

PRODUCTION RATES

MINIMUM SUSTAIN	1-2-3	MAXIMUM	MONTHS TO REACH MAX AFTER 0-DAY
125	300	500	

PROCUREMENT LEAD TIME

	ADMIN LEAD TIME PRIOR 1 OCT	ADMIN LEAD TIME AFTER 1 OCT	MANUFACTURING TIME	TOTAL AFTER 1 OCT
INITIAL	7	5	12	17
REORDER	1	5	11	16

REMARKS

Program experienced production problem in FY93. Contractor took corrective action, refurbished prior deliveries, re-scheduled deliveries and gave consideration to the Government for the delay.

EXHIBIT P-21

UNCLASSIFIED

PRODUCTION SCHEDULE (EXHIBIT P-21)

DATE: February

APPROPRIATION/BUDGET ACTIVITY

OTHER PROCUREMENT, ARMY 2, COMMUNICATIONS AND ELECTRONICS EQUIPMENT

P-1 ITEM NOMENCLATURE

NIGHT VISION AN/PLQ-5 LCMS (K38400)

FACILITY NO.	U/M	SERV	PROGRAM QUANTITY FY 93P	FY 94	FY 95	FY 96	FY 97	ACCEPT PRIOR TO 1 OCT 94	BALANCE DUE AS OF 1 OCT 94	FISCAL YEAR 96 CALENDAR YEAR 96 OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	FISCAL YEAR 96 CALENDAR YEAR 96 OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	FISCAL YEAR 97 CALENDAR YEAR 97 OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	LATER
1	EA	A			50			0	50									A																														
1	EA	A				40		0	40																						A																		
1	EA	A					125	0	125																																									10	115
TOTAL								0	215	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	5	5	5	5	5	5	5	5	5	5	8	8	8	8	8	10	115

FACILITY NO.	MANUFACTURER'S NAME AND LOCATION	PRODUCTION RATES MINIMUM SUSTAIN	1-6-6	MAXIMUM	MONTHS TO REACH MAX AFTER D-DAY
1	LOCKHEED-SANDERS, INC NASHUA, NH	5	10	16	

PROCUREMENT LEAD TIME

	ADMIN LEAD TIME PRIOR 1 OCT	ADMIN LEAD TIME AFTER 1 OCT	MANUFACTURING TIME	TOTAL AFTER 1 OCT
INITIAL	7	1	12	13
REORDER	1	1	11	12

REMARKS

EXHIBIT P-21

P-1 SHOPPING LIST ITEM NO. 71

UNCLASSIFIED

UNCLASSIFIED

PRODUCTION SCHEDULE (EXHIBIT P-21)

DATE: February 1995

APPROPRIATION/BUDGET ACTIVITY

OTHER PROCUREMENT, ARMY 2, COMMUNICATIONS AND ELECTRONICS EQUIPMENT

P-1 ITEM NOMENCLATURE

NIGHT VISION AN/PLQ-5 LCMS (K38400)

FACILITY NO.	U/M	SERV	PROGRAM QUANTITY FY 93P	FY 94	FY 95	FY 96	FY 97	ACCEPT PRIOR TO 1 OCT 97	BALANCE DUE AS OF 1 OCT 97	FISCAL YEAR 98 / CALENDAR YEAR 98 OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	FISCAL YEAR 99 / CALENDAR YEAR 99 OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	FISCAL YEAR 00 / CALENDAR YEAR 00 OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	LATER
1	EA	A			50			50	0																																					
1	EA	A				40		40	0																																					
1	EA	A					125	10	115	10	10	11	11	11	11	11	10	10	10	10																											
TOTAL								100	115	10	10	11	11	11	11	11	10	10	10	10	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

FACILITY NO.	MANUFACTURER'S NAME AND LOCATION	PRODUCTION RATES MINIMUM SUSTAIN	1-8-8	MAXIMUM	MONTHS TO REACH MAX AFTER D-DAY
1	LOCKHEED-SANDERS, INC NASHUA, NH	5	10	16	

PROCUREMENT LEAD TIME

	ADMIN LEAD TIME PRIOR 1 OCT	ADMIN LEAD TIME AFTER 1 OCT	MANUFACTURING TIME	TOTAL AFTER 1 OCT
INITIAL	7	1	12	13
REORDER	1	1	11	12

REMARKS

EXHIBIT P-21

P-1 SHOPPING LIST
ITEM NO. 71

UNCLASSIFIED

UNCLASSIFIED

PRODUCTION SCHEDULE (EXHIBIT P-21)

DATE: February 1995

APPROPRIATION/BUDGET ACTIVITY
OTHER PROCUREMENT, ARMY 2, COMMUNICATIONS AND ELECTRONICS EQUIPMENT

P-1 ITEM NOMENCLATURE
NIGHT VISION AN/PAS-13 TWS (K22900)

FACIL ITY NO.	U/M	SERV	PROGRAM QUANTITY FY 93P	FY 94	FY 95	FY 96	FY 97	ACCEPT PRIOR TO 1 OCT 94	BALANCE DUE AS OF 1 OCT 94	FISCAL YEAR 96 CALENDAR YEAR 96 OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	FISCAL YEAR 96 CALENDAR YEAR 96 OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	FISCAL YEAR 97 CALENDAR YEAR 97 OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	AFTER
1	BA	A			922			0	922						A																																
1	BA	A				858		0	858																	A																						
1	BA	A					1078	0	1078																																									
TOTAL								0	2858	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	57	80	90	95	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	1036

FACIL ITY NO.	MANUFACTURER'S NAME AND LOCATION	PRODUCTION RATES MINIMUM SUSTAIN	1-0-5	MAXIMUM	MONTHS TO REACH MAX AFTER D-DAY
1	HUGHES AIRCRAFT CORP EL SEGUNDO, CA	50	100	100	

PROCUREMENT LEAD TIME	ADMIN LEAD TIME PRIOR 1 OCT	ADMIN LEAD TIME AFTER 1 OCT	MANU-FACTURING TIME	TOTAL AFTER 1 OCT
INITIAL	7	1	12	13
REORDER	1	1	11	12

REMARKS
FY96 AWARD WILL OCCUR AT COMPLETION OF IPT.

EXHIBIT P-21

P-1 SHOPPING LIST
ITEM NO. 71

UNCLASSIFIED

UNCLASSIFIED

PRODUCTION SCHEDULE (EXHIBIT P-21)

DATE: February 1995

APPROPRIATION/BUDGET ACTIVITY

OTHER PROCUREMENT, ARMY 2, COMMUNICATIONS AND ELECTRONICS EQUIPMENT

P-1 ITEM NOMENCLATURE

NIGHT VISION AN/PAS-13 TWS (K22900)

FACIL ITY NO.	U/M	SERV	PROGRAM QUANTITY FY 93P	FY 94	FY 95	FY 96	FY 97	ACCEPT PRIOR TO 1 OCT 97	BALANCE DUE AS OF 1 OCT 97	FISCAL YEAR 98 CALENDAR YEAR 98 OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	FISCAL YEAR 99 CALENDAR YEAR 99 OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	FISCAL YEAR 00 CALENDAR YEAR 00 OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	LATER
1	EA	A			922			922	0																																					
1	EA	A				858		858	0																																					
1	EA	A					1078	42	1036	100	100	100	100	100	100	100	100	100	100	36																											
TOTAL								1822	1036	100	100	100	100	100	100	100	100	100	100	36	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
										OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	

FACIL ITY NO.	MANUFACTURER'S NAME AND LOCATION
1	HUGHES AIRCRAFT CORP EL SEGUNDO, CA

PRODUCTION RATES			MONTHS TO REACH MAX AFTER P-DAY
MINIMUM SUSTAIN	1-6-6	MAXIMUM	
50	100	160	

PROCUREMENT LEAD TIME

	ADMIN LEAD TIME PRIOR 1 OCT	ADMIN LEAD TIME AFTER 1 OCT	MANU-FACTURING TIME	TOTAL AFTER 1 OCT
INITIAL	7	1	12	13
REORDER	1	1	11	12

REMARKS

EXHIBIT P-21

P-1 SHOPPING LIST
ITEM NO. 71

UNCLASSIFIED

UNCLASSIFIED

PRODUCTION SCHEDULE (EXHIBIT P-21)

DATE: February 95

APPROPRIATION/BUDGET ACTIVITY
OTHER PROCUREMENT, ARMY 2, COMMUNICATIONS AND ELECTRONICS EQUIPMENT

P-1 ITEM NOMENCLATURE
LIGHTWEIGHT VIDEO RECONNAISSANCE SYSTEM (LVRS) (K30800)

FACILITY NO.	UOM	SERV	PROGRAM QUANTITY FY 93P	FY 94	FY 95	FY 96	FY 97	ACCEPT PRIOR TO 1 OCT 94	BALANCE DUE AS OF 1 OCT 94	FISCAL YEAR 96 CALENDAR YEAR 96 OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	FISCAL YEAR 96 CALENDAR YEAR 96 OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	FISCAL YEAR 97 CALENDAR YEAR 97 OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	LATER
1	EA	A			60			0	60									A																													
1	EA	A				64		0	64																																						
1	EA	A					76	0	76																																						
TOTAL								0	200	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	7	7	7	7	7	7	7	7	7	7	7	102
										OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	

FACILITY NO.	MANUFACTURER'S NAME AND LOCATION
1	TBS

PRODUCTION RATES MINIMUM SUSTAIN	1-0-5	MAXIMUM	MONTHS TO REACH MAX AFTER P-DAY
5	7	20	

PROCUREMENT LEAD TIME	ADMIN LEAD TIME PRIOR 1 OCT	ADMIN LEAD TIME AFTER 1 OCT	MANUFACTURING TIME	TOTAL AFTER 1 OCT
INITIAL	6	6	14	20
REORDER	1	1	12	13

REMARKS

FY96 AWARD AT COMPLETION OF FAT

EXHIBIT P-21

UNCLASSIFIED

PRODUCTION SCHEDULE (EXHIBIT P-21)

DATE: February 1995

APPROPRIATION/BUDGET ACTIVITY
OTHER PROCUREMENT, ARMY 2, COMMUNICATIONS AND ELECTRONICS EQUIPMENT

P-1 ITEM NOMENCLATURE
LIGHTWEIGHT VIDEO RECONNAISSANCE SYSTEM LVRS (K30800)

FACIL ITY NO.	U/M	SERV	PROGRAM QUANTITY FY 93P	FY 94	FY 95	FY 96	FY 97	ACCEPT PRIOR TO 1 OCT 97	BALANCE DUE AS OF 1 OCT 97	FISCAL YEAR 98												FISCAL YEAR 99												FISCAL YEAR 00											
										CALENDAR YEAR 98												CALENDAR YEAR 99												CALENDAR YEAR 00											
										OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	LATER
1	EA	A			60			60	0																																		
1	EA	A				64		38	26	7	7	7	5																															
1	EA	A					76	0	76				2	7	7	7	7	7	7	7	7	7	7	4																			
TOTAL								98	102	7	7	7	7	7	7	7	7	7	7	7	7	7	7	4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	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	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	

FACIL ITY NO.	MANUFACTURER'S NAME AND LOCATION
1	TBS

PRODUCTION RATES			MONTHS TO REACH MAX AFTER P-DAY
MINIMUM SUSTAIN	1-6-6	MAXIMUM	
5	7	20	

PROCUREMENT LEAD TIME

	ADMIN LEAD TIME PRIOR 1 OCT	ADMIN LEAD TIME AFTER 1 OCT	MANU-FACTURING TIME	TOTAL AFTER 1 OCT
INITIAL	6	6	14	20
REORDER	1	1	12	13

REMARKS

EXHIBIT P-21

P-1 SHOPPING LIST
ITEM NO. 71

UNCLASSIFIED

REPORTS CONTROL SYMBOL DD-COMP (AR) 1092	"CODE B" ITEM DESCRIPTION	DATE: February 1995

APPROPRIATION/BUDGET ACTIVITY:
OTHER PROCUREMENT, ARMY 2
COMMUNICATIONS AND ELECTRONICS EQUIPMENT

P-1 ITEM NOMENCLATURE:
AN/PAS-13 THERMAL WEAPON SIGHT (K22900)

CURRENT DEVELOPMENT AND TEST STATUS:

		CURRENT START DATE	SCHEDULE DATE LAST REPORTED	REASON FOR DELAY
DEV TEST & EVAL (DT&E)	PLAN/ACTUAL	2Q FY94	2Q FY94	
LIMITED USER TEST (LUT)	PLAN/ACTUAL	3Q FY94	3Q FY94	
INITIAL OPER TEST & EVAL (IOT&E)	PLAN/ACTUAL	2Q FY96		
AVAIL DATE OF TECH DATA PKG (TDP) OR PERFORMANCE SPECIFICATIONS		4Q FY94	4Q FY94	

ESTIMATED DATE OF APPROVAL FOR SERVICE USE: MAR 95

EQUIPMENT ITEM(S) TO BE REPLACED: AN/TVS-5 CREW SERVED WEAPON SIGHT AND AN/PVS-4 INDIVIDUAL WEAPON SIGHT

EXTENT OF IMPROVEMENT OVER ITEM(S) EQUIPMENT TO BE REPLACED:
GEN II THERMAL DEVICE SIGNIFICANTLY IMPROVES DISMOUNTED INFANTRY OPERATIONAL CAPABILITY BY INCREASING RANGE AND ENABLING BOTH DAY AND NIGHT VISION THROUGH OBSCURANTS, WEATHER AND EXTREMELY LOW LIGHT LEVELS.

DEVELOPMENT CONTRACT INFORMATION:

PE 0604710A

CONTRACTOR NAME	PLANT LOCATION	COMPONENT	THRU FY94	CYR 95	BYR 96	BEYOND BYR
HUGHES AIRCRAFT CORP (HAC)	EL SEGUNDO, CA	EOS	43.0M	0	0	0

REMARKS:

ITEM No. 71

REPORTS CONTROL SYMBOL DD-COMP (AR) 1092	"CODE B" ITEM DESCRIPTION	DATE: February 1995

APPROPRIATION/BUDGET ACTIVITY:
OTHER PROCUREMENT, ARMY 2
COMMUNICATIONS AND ELECTRONICS EQUIPMENT

P-1 ITEM NOMENCLATURE:
AN/PLQ-5 LASER COUNTER MEASURE SYSTEM (K38400)

CURRENT DEVELOPMENT AND TEST STATUS:

		CURRENT START DATE	SCHEDULE DATE LAST REPORTED	REASON FOR DELAY
DEV TEST & EVAL (DT&E)	PLAN/ACTUAL	4Q FY93	4Q FY93	
INITIAL OPER TEST & EVAL (IOT&E)	PLAN/ACTUAL			
OPER TEST & EVAL (OT&E)	PLAN/ACTUAL	4Q FY94	2Q FY94	Additional performance capability incorporated.
AVAIL DATE OF TECH DATA PKG (TDP) OR PERFORMANCE SPECIFICATIONS		4Q FY94	4Q FY94	

ESTIMATED DATE OF APPROVAL FOR SERVICE USE: JUN 95

EQUIPMENT ITEM(S) TO BE REPLACED: NONE

EXTENT OF IMPROVEMENT OVER ITEM(S) EQUIPMENT TO BE REPLACED:
A LASER COUNTER MEASURE SYSTEM DESIGNED TO DETECT AND COUNTER THREAT OPTICAL AND ELECTRO-OPTICAL SYSTEMS. IT WILL ENABLE AN INDIVIDUAL SOLDIER TO NEUTRALIZE ENGAGEMENTS BY ENEMY ARMOR AND HELICOPTERS AT STAND OFF DISTANCES.

DEVELOPMENT CONTRACT INFORMATION:

PE 0604710A

CONTRACTOR NAME	PLANT LOCATION	COMPONENT	THRU FY94	CYR 95	BYR 96	BEYOND BYR
LOCKHEED-SANDERS	NASHUA, NH		14.4M	0	0	0

REMARKS:

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REPORTS CONTROL SYMBOL DD-COMP (AR) 1092	"CODE B" ITEM DESCRIPTION	DATE: February 1995

APPROPRIATION/BUDGET ACTIVITY:
OTHER PROCUREMENT, ARMY 2
COMMUNICATIONS AND ELECTRONICS EQUIPMENT

P-1 ITEM NOMENCLATURE:
LIGHTWEIGHT VIDEO RECONNAISSANCE SYSTEM (LVRS) (K30800

CURRENT DEVELOPMENT AND TEST STATUS:

		CURRENT START DATE	SCHEDULE DATE LAST REPORTED	REASON FOR DELAY
DEV TEST & EVAL (DT&E)	PLAN/ACTUAL	4Q FY94	4Q FY94	Restructure of testing to meet available test window.
INITIAL OPER TEST & EVAL (IOT&E)	PLAN/ACTUAL	1Q FY95	4Q FY94	
OPER TEST & EVAL (OT&E)	PLAN/ACTUAL			
AVAIL DATE OF TECH DATA PKG (TDP) OR PERFORMANCE SPECIFICATIONS		1Q FY95	4Q FY94	

ESTIMATED DATE OF APPROVAL FOR SERVICE USE: JUN 95

EQUIPMENT ITEM(S) TO BE REPLACED: NONE

EXTENT OF IMPROVEMENT OVER ITEM(S) EQUIPMENT TO BE REPLACED:

DEVELOPMENT CONTRACT INFORMATION:

PE 0604710A

CONTRACTOR NAME	PLANT LOCATION	COMPONENT	THRU FY94	CYR 95	BYR 96	BEYOND BYR
EOIR	Spottsylvania, VA		1.3M	0	0	0

REMARKS:

Funded RDTE effort PE 644713, Project D668

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REPORTS CONTROL SYMBOL
DD-COMP(AR)1092

BUDGET ITEM JUSTIFICATION SHEET

DATE February 1995

APPROPRIATION / BUDGET ACTIVITY

Other Procurement, Army 2 - Other Support Equipment

P-1 ITEM NOMENCLATURE

PHYSICAL SECURITY SYSTEMS (BZ7800)

	* FY 94	* FY 95	FY	FY	FY	FY	FY
QUANTITY							
COST(IN MILLIONS)	11.1	10.1					

DESCRIPTION: (* TRANSFERRED FROM OPA-2 TO OPA-3 STARTING IN FY96)

Physical Security Systems includes the Integrated Commercial Intrusion Detection System (ICIDS) and the Joint-Services Interior Intrusion Detection System (J-SIIDS)/Commercial Intrusion Detection Systems (CIDS). The ICIDS program consists of commercially available interior and exterior sensor, response, entry control, electronic surveillance, and command and control devices protecting chemical/nuclear and Special Compartmented Information Facilities, sensitive munitions, conventional Arms, Ammunition and Explosives Areas, non-nuclear missiles and rockets in a ready to fire configuration, and critical mission essential assets. These components are assembled as 'systems' to meet the site specific security requirements of installations on a DA Distribution Plan. Air Force developed components, which provide security for exterior perimeters of sensitive facilities, will be procured and integrated into the ICIDS program. The Alarm Monitor Group (AMG), a Personnel Computer based upgrade to the J-SIIDS, provides a cost effective system meeting the basic security communications, control and display capabilities for small site applications where an ICIDS would be inappropriate. These components are assembled as 'systems' to meet the site specific requirements of installations on the DA Distribution Plan.

Physical Security Systems protects high dollar, critical assets that are vulnerable to determined, skilled intruders or saboteurs intending to deprive the United States of these assets prior to armed conflict or to politically embarrass the United States during peacetime.

JUSTIFICATION; (* TRANSFERRED FROM OPA-2 (BZ7800) TO OPA-3 (MA0780) STARTING IN FY96)

WEAPON SYSTEM COST ANALYSIS EXHIBIT (P-5)	A. APPROPRIATION NO. OPA 2 - Communication and Electronics Equipment	B. WEAPON NO PHYSICAL SECURITY SYSTEMS (BZ7800)	C. MANUF. Numerous See 5a.	D. DATE February 1995

Weapon System Cost Element	IDENT CODE	FY94 Unit Cost	FY94 Qty	FY94 Total Cost	FY95 Unit Cost	FY95 Qty	FY95 Total Cost	Unit Cost	Qty	Total Cost	Unit Cost	Qty	Total Cost
ICIDS													
ICIDS													
Hardware	A	*	3	4857	*	3	4863						
Engineering Support				933			866						
AMG													
Hardware	A	21	30	630	21	30	630						
Engineering Support				248			350						
SUBTOTAL				6668			6709						
J-SIIDS/CIDS													
J-SIIDS	A												
Hardware		1		504	1		504						
Engineering Support				270			270						
CIDS													
Anti-terrorism (Force Protection)		*		2484	*		584						
Physical security Equipment		*		1200	*		2082						
SUBTOTAL				4458			3440						
PROGRAM TOTAL				11126			10149						

* "Unit Cost" is site dependent; components are assembled according to individual site security requirements.

** (TRANSFERRED FROM OPA-2 TO OPA-3 IN FY96)

BUDGET PROCUREMENT HISTORY AND PLANNING EXHIBIT (P-5A)

February 1995

B. APPROPRIATION / BUDGET / ACTIVITY
Other Procurment, Army 2 - Communications and Electronics Equipment

C. P-1 ITEM NOMENCLATURE
Physical Security Systems (BZ7800)

Cost Element/ FISCAL YEAR	CONTRACTOR & LOCATION	CONTRACT METHOD & TYPE	CONTRACTED BY	AWARD DATE	DATE OF FIRST DELIVERY	QUANTITY	UNIT COST	SPECS AVAILABLE NOW	IF YES, WHEN AVAILABLE
ICIDS									
FY94	Paramax	C/FP	ATCOM	Jan 94	Jun 94	3	*	Yes	
FY95	Paramax	Option	ATCOM	Jan 95	Mar 95	3	*	Yes	
AMG									
FY94	FPI	FP	ATCOM	Aug 94	Jan 95	30	21,000	Yes	
FY95	FPI	Option	ATCOM	Feb 95	Jul 95	30	21,000	Yes	
J-SIIDS									
FY94	CKC Industries	C/FP	ATCOM	Jan 94	Mar 94	504	1,000	Yes	
FY95	Unknown	C/FP	ATCOM	Jan 95	Mar 95	504	1,000	Yes	
CIDS	**								

D. REMARKS

Paramax - Paramax Systems Corporation, Alexandria, VA
FPI - Federal Prison Industries, Big Springs, TX
CKC Industries, Inc., Tampa, FL
* "Unit Cost" is site dependent; components are assembled according to individual installation security requirements.
**CIDS funds locally purchased, nonstandard, IDS hardware. Funds are MIPR'd to installations for competitive contracts, Project Orders or Work Requests.

REPORTS CONTROL SYMBOL
DD-COMP(AR)1092

PRODUCTION SCHEDULE

DATE February 1995

APPROPRIATION / BUDGET ACTIVITY
Other Procurement, Army 2
Other Support Equipment

P-1 ITEM NOMENCLATURE
PHYSICAL SECURITY SYSTEMS
INTEGRATED COMMERCIAL INTRUSION DETECTION SYSTEM (ICIDS)

(BZ7800)

FACILITY NO	U/M	SERV	PROGRAM QUANTITY FY 94	FY 95	FY 96	FY 97	FY	FY	ACCEPT PRIOR TO 1 OCT	BAL DUE AS OF 1 OCT	FISCAL YEAR 94														FISCAL YEAR 95												FISCAL YEAR												TYER
											93			CALENDAR YEAR 94												CALENDAR YEAR 95												CALENDAR YEAR												
											OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	
1	*	A	3							3				A					1			1				A	1	3																			
1	*	A		3						3																																						
TOTAL MONTHLY PRODUCTION										6									1			1					1	3																			
											OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	

FACILITY NO	MANUFACTURERS NAME & LOCATION	PRODUCTION RATES MINIMUM	1-8-5	MAXIMUM	MONTHS TO REACH MAX AFTER D DAY
1	Paramax Systems Corporation	**	**	**	

PROCUREMENT LEAD TIME	ADMIN LEAD TIME PRIOR 1 OCT	ADMIN LEAD TIME AFTER 1 OCT	MANUFACTURING TIME	TOTAL AFTER 1 OCT
INITIAL	14	3	6	9
REORDER	0	3	3	6

REMARKS

* Unit of Measure is a 'system': a configuration of components (a command/control console and associated equipment). Delivery Orders are placed for each system with 'manufacturing' being a continuous process of site validation, site design and component assembly and installation.

** Contract is for one year, for an indefinite quantity, with four (one year) options, providing a 'Best Estimated' quantity of 21 installed systems. A minimum and maximum quantity of 10 and 48 systems respectively have been negotiated.

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REPORTS CONTROL SYMBOL
DD-COMP(AR)1092

PRODUCTION SCHEDULE

DATE February 1995

APPROPRIATION / BUDGET ACTIVITY
Other Procurement, Army 2
Other Support Equipment

P-1 ITEM NOMENCLATURE
PHYSICAL SECURITY SYSTEMS
ALARM MONITOR GROUP (AMG)

(BZ7800)

FACILITY NO	U/M	SERV	PROGRAM QUANTITY FY 94	FY 95	FY 96	FY 97	FY	FY	ACCEPT PRIOR TO 1 OCT	BAL DUE AS OF 1 OCT	FISCAL YEAR 94														FISCAL YEAR 95												LATER
											93			CALENDAR YEAR 94												CALENDAR YEAR 95												
											OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	
1	*	AA	30							30											A					4	4	4	4	4	4	2	2	2	2	3	3	
1	*	AA		30						30																	A						2	2	2			
TOTAL MONTHLY PRODUCTION										60																4	4	4	4	4	4	4	4	4	2	3	3

	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP

FACILITY NO	MANUFACTURERS NAME & LOCATION	PRODUCTION RATES MINIMUM	1-8-5	MAXIMUM	MONTHS TO REACH MAX AFTER D DAY
1	Federal Prison Industries	1	4	8	

PROCUREMENT LEAD TIME

	ADMIN LEAD TIME PRIOR 1 OCT	ADMIN LEAD TIME AFTER 1 OCT	MANUFACTURING TIME	TOTAL AFTER 1 OCT
INITIAL	0	10	6	16
REORDER	0	4	6	10

REMARKS Monthly production rates are reduced, stretching the production schedule, thus avoiding a break in the production run.

P-1 SHOPPING LIST
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REPORTS CONTROL SYMBOL
DD-COMP(AR)1092

BUDGET ITEM JUSTIFICATION SHEET

DATE February 1995

APPROPRIATION / BUDGET ACTIVITY	P-1 ITEM NOMENCLATURE
Other Procurement, Army 2 - Other Support Equipment	PHYSICAL SECURITY SYSTEMS (BZ7800)

	* FY 94	* FY 95	FY	FY	FY	FY	FY
QUANTITY							
COST(IN MILLIONS)	11.1	10.1					

DESCRIPTION: (* TRANSFERRED FROM OPA-2 TO OPA-3 STARTING IN FY96)

Physical Security Systems includes the Integrated Commercial Intrusion Detection System (ICIDS) and the Joint-Services Interior Intrusion Detection System (J-SIIDS)/Commercial Intrusion Detection Systems (CIDS). The ICIDS program consists of commercially available interior and exterior sensor, response, entry control, electronic surveillance, and command and control devices protecting chemical/nuclear and Special Compartmented Information Facilities, sensitive munitions, conventional Arms, Ammunition and Explosives Areas, non-nuclear missiles and rockets in a ready to fire configuration, and critical mission essential assets. These components are assembled as 'systems' to meet the site specific security requirements of installations on a DA Distribution Plan. Air Force developed components, which provide security for exterior perimeters of sensitive facilities, will be procured and integrated into the ICIDS program. The Alarm Monitor Group (AMG), a Personnel Computer based upgrade to the J-SIIDS, provides a cost effective system meeting the basic security communications, control and display capabilities for small site applications where an ICIDS would be inappropriate. These components are assembled as 'systems' to meet the site specific requirements of installations on the DA Distribution Plan.

Physical Security Systems protects high dollar, critical assets that are vulnerable to determined, skilled intruders or saboteurs intending to deprive the United States of these assets prior to armed conflict or to politically embarrass the United States during peacetime.

JUSTIFICATION; (* TRANSFERRED FROM OPA-2 (BZ7800) TO OPA-3 (MA0780) STARTING IN FY96)

WEAPON SYSTEM COST ANALYSIS EXHIBIT (P-5)	A. APPRORIATION NO. OPA 2 - Communication and Electronics Equipment	B. WEAPON MO PHYSICAL SECURITY SYSTEMS (BZ7800)	C. MANUF. Numerous See 5a.	D. DATE February 1995

Weapon System Cost Element	IDENT CODE	FY94 Unit Cost	FY94 Qty	FY94 Total Cost	FY95 Unit Cost	FY95 Qty	FY95 Total Cost	Unit Cost	Qty	Total Cost	Unit Cost	Qty	Total Cost
ICIDS													
ICIDS													
Hardware	A	*	3	4857	*	3	4863						
Engineering Support				933			866						
AMG													
Hardware	A	21	30	630	21	30	630						
Engineering Support				248			350						
SUBTOTAL				6668			6709						
J-SIIDS/CIDS													
J-SIIDS	A												
Hardware		1		504	1		504						
Engineering Support				270			270						
CIDS													
Anti-terrorism (Force Protection)		*		2484	*		584						
Physical security Equipment		*		1200	*		2082						
SUBTOTAL				4458			3440						
PROGRAM TOTAL				11126			10149						

* "Unit Cost" is site dependent; components are assembled according to individual site security requirements.

** (TRANSFERRED FROM OPA-2 TO OPA-3 IN FY96)

BUDGET PROCUREMENT HISTORY AND PLANNING EXHIBIT (P-5A)

February 1995

B. APPROPRIATION / BUDGET / ACTIVITY
Other Procurment, Army 2 - Communications and Electronics Equipment

C. P-1 ITEM NOMENCLATURE
Physical Security Systems (BZ7800)

Cost Element/ FISCAL YEAR	CONTRACTOR & LOCATION	CONTRACT METHOD & TYPE	CONTRACTED BY	AWARD DATE	DATE OF FIRST DELIVERY	QUANTITY	UNIT COST	SPECS AVAILABLE NOW	IF YES, WHEN AVAILABLE
ICIDS									
FY94	Paramax	C/FP	ATCOM	Jan 94	Jun 94	3	*	Yes	
FY95	Paramax	Option	ATCOM	Jan 95	Mar 95	3	*	Yes	
AMG									
FY94	FPI	FP	ATCOM	Aug 94	Jan 95	30	21,000	Yes	
FY95	FPI	Option	ATCOM	Feb 95	Jul 95	30	21,000	Yes	
J-SIIDS									
FY94	CKC Industries	C/FP	ATCOM	Jan 94	Mar 94	504	1,000	Yes	
FY95	Unknown	C/FP	ATCOM	Jan 95	Mar 95	504	1,000	Yes	
CIDS	**								

D. REMARKS

Paramax - Paramax Systems Corporation, Alexandria, VA
FPI - Federal Prison Industries, Big Springs, TX
CKC Industries, Inc., Tampa, FL
* "Unit Cost" is site dependent; components are assembled according to individual installation security requirements.
**CIDS funds locally purchased, nonstandard, IDS hardware. Funds are MIPR'd to installations for competitive contracts, Project Orders or Work Requests.

REPORTS CONTROL SYMBOL
DD-COMP(AR)1092

PRODUCTION SCHEDULE

DATE February 1995

APPROPRIATION / BUDGET ACTIVITY
Other Procurement, Army 2
Other Support Equipment

P-1 ITEM NOMENCLATURE
PHYSICAL SECURITY SYSTEMS
INTEGRATED COMMERCIAL INTRUSION DETECTION SYSTEM (ICIDS)

(BZ7800)

FACILITY NO	U/M	SERV	PROGRAM QUANTITY FY 94	FY 95	FY 96	FY 97	FY	FY	ACCEPT PRIOR TO 1 OCT	BAL DUE AS OF 1 OCT	FISCAL YEAR 94												FISCAL YEAR 95												FISCAL YEAR												ER
											93			CALENDAR YEAR 94										CALENDAR YEAR 95												CALENDAR YEAR											
											OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	
1	*	A	3							3				A					1			1				A	1	3																		
1	*	A		3						3																																				
TOTAL MONTHLY PRODUCTION										0									1			1					1	3																		
											OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	

FACILITY NO	MANUFACTURERS NAME & LOCATION	PRODUCTION RATES MINIMUM	1-6-5	MAXIMUM	MONTHS TO REACH MAX AFTER D DAY
1	Paramax Systems Corporation	**	**	**	

PROCUREMENT LEAD TIME

	ADMIN LEAD TIME PRIOR 1 OCT	ADMIN LEAD TIME AFTER 1 OCT	MANUFACTURING TIME	TOTAL AFTER 1 OCT
INITIAL	14	3	6	9
REORDER	0	3	3	6

REMARKS

* Unit of Measure is a 'system': a configuration of components (a command/control console and associated equipment). Delivery Orders are placed for each system with 'manufacturing' being a continuous process of site validation, site design and component assembly and installation.

** Contract is for one year, for an indefinite quantity, with four (one year) options, providing a 'Best Estimated' quantity of 21 installed systems. A minimum and maximum quantity of 10 and 48 systems respectively have been negotiated.

UNCLASSIFIED

REPORTS CONTROL SYMBOL
DD-COMP(AR)1092

PRODUCTION SCHEDULE

DATE February 1995

APPROPRIATION / BUDGET ACTIVITY
Other Procurement, Army 2
Support Equipment

P-1 ITEM NOMENCLATURE
PHYSICAL SECURITY SYSTEMS
ALARM MONITOR GROUP (AMG)

(BZ7800)

FACILITY NO	U/M	SERV	PROGRAM QUANTITY FY 94	FY 95	FY 96	FY 97	FY	FY	ACCEPT PRIOR TO 1 OCT	BAL DUE AS OF 1 OCT	FISCAL YEAR 94			CALENDAR YEAR 94										FISCAL YEAR 95			CALENDAR YEAR 95										FISCAL YEAR			CALENDAR YEAR										LATER
											93			JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	
											OCT	NOV	DEC																																			
1	n	A	30							30												A				4	4	4	4	4	4	2	2	2	2	3	3	3	3	3	3	3	1				
1	n	A		30						30																	A						2	2												
TOTAL MONTHLY PRODUCTION										60				4	4	4	4	4	4	4	4	4	2	3	3	3	3	3	3	3	1														
											OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP

FACILITY NO	MANUFACTURERS NAME & LOCATION	PRODUCTION RATES MINIMUM	1-8-5	MAXIMUM	MONTHS TO REACH MAX AFTER D DAY
1	Federal Prison Industries	1	4	8	

PROCUREMENT LEAD TIME	ADMIN LEAD TIME PRIOR 1 OCT	ADMIN LEAD TIME AFTER 1 OCT	MANUFACTURING TIME	TOTAL AFTER 1 OCT
INITIAL	0	10	6	16
REORDER	0	4	6	10

REMARKS Monthly production rates are reduced, stretching the production schedule, thus avoiding a break in the production run.

P-1 SHOPPING LIST
ITEM NO 72 PAGE NO OF

DD Form 2445, JUL 87

UNCLASSIFIED

BUDGET ITEM JUSTIFICATION SHEET						DATE: February 1995		
APPROPRIATION/BUDGET ACTIVITY: Other Procurement, Army 2 - Comm and Electronics Equipment					P-1 ITEM NOMENCLATURE: ARTILLERY ACCURACY EQUIPMENT (AD3200)			
	FY94	FY95	FY96	FY97	FY98	FY99	FY00	FY01
QUANTITY								
COST (IN MILLIONS)	12.7	9.4	12.4	4.8	4.8	4.8	4.8	4.8

DESCRIPTION:
Artillery Accuracy Equipment involves the procurement of meteorological, survey and velocity measuring equipment designed to improve accuracy of Army artillery weapons and increase the probability of first round target hits. This category of equipment includes procurement of the Meteorological Measuring System (K27800); Position Azimuth Determining System (North Seeking Gyro) (AD3300); and Artillery Muzzle Velocity System (AD3250).

JUSTIFICATION:

FY96 funds provide for the final buyout of the Meterological Hydrogen Generator (MHG) and will field Meteorological Measuring Systems procured during FY93-94. The FY96 funds will also support fielded units and readiness requirements of the Muzzle Velocity System to enhance accuracy and probability of first/early round target hits.
The FY97 procurement will continue to support fielded units and readiness requirements for both conventional and Paladin versions of the Muzzle Velocity System.

P-1 SHOPPING LIST
ITEM NO. 73

WEAPON SYSTEM COST ANALYSIS EXHIBIT (P-5)	A. APPROPRIATION Other Procurement, Army 2 - Comm and Electronics Equipment				B. WEAPON MODEL/SERIES/POPULAR NAME ARTILLERY ACCURACY EQUIPMENT (AD3200)									D.DATE February 1995
Weapon System Cost Elements	**Ident Cod**	**FY94**			**FY95**			**FY96**			**FY97**			
		Unit Cost	**Qty**	**Total Cost**	**Unit Cost**	**Qty**	**Total Cost**	**Unit Cost**	**Qty**	**Total Cost**	**Unit Cost**	**Qty**	**Total Cost**	
	A													
METEROLOGICAL MEAS SYSTEM		414	26	10764	566	12	6790	374	20	7470				
NORTH SEEKING GYRO		78	38	2975										
ARTILLERY MUZZLE VEL SYS		19	104	1941	17	154	2596	16	300	4894	16	295	4842	
TOTAL				*15680			9386			12364			4842	

FY94 funding reflects a below threshold reprogramming.

* P-1 does not reflect actual data.

P-1 SHOPPING LIST
ITEM NO. 73

BUDGET ITEM JUSTIFICATION SHEET					DATE: February 1995			
APPROPRIATION/BUDGET ACTIVITY: Other Procurement, Army 2 - Comm and Electronics Equipment					P-1 ITEM NOMENCLATURE: METEOROLOGICAL MEASURING SET (MMS) (K27800)			
	FY94	FY95	FY96	FY97	FY98	FY99	FY00	FY01
QUANTITY	18	12	20					
COST (IN MILLIONS)	7.0	6.8	7.5					

DESCRIPTION:

The Meteorological Measuring System (MMS) will provide 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 will be mobile, provide high altitude Met Data to USAF Weather Service, radiological fallout data to the chemical sections, meet roll on/roll off HMMWV requirements during assault and provide atmospheric data to 30KM. The Meteorological Hydrogen Generator (MHG) generates hydrogen and diverts gas to a storage tank for later use; provides up to 6 hours of continuous operation. It is environmentally safe and needs only one operator.

JUSTIFICATION:

The FY 96 funds are required to procure the MHG final buyout and to field MMS systems procured during FY 93-94. The AN/TMQ-41 will dramatically improve the transportability/mobility of the Field Artillery Met Section. The fielding of the AN/TMQ-41 will allow the 1947 vintage (unsupportable) AN/GMD-1 to be replaced. The FY 96 funds are required to fill the critical need to provide a State-of-the-Art Meteorological Hydrogen Generator (MHG) to the Field Artillery. The MHG is a modern, efficient method of producing hydrogen gas for filling Meteorological balloons used with the AN/TMQ-38 and AN/TMQ-41, and eliminates the hazardous waste associated with the chemical methods currently used to generate lighter than air gas. The MHG is more economical than the chemicals and cylinder methods.

WEAPON SYSTEM COST ANALYSIS EXHIBIT (P- 5)	A. APPROPRIATION Other Procurement, Army 2 - Comm and Electronics Equipment				B. WEAPON MODEL/SERIES/POPULAR NAME Meterological Measuring Set (MMS) (K27800) Meterological Hydrogen Generator (MHG)									D.DATE February 1995
Weapon System Cost Elements	Ident Cod	FY94 Unit Cost	FY94 Qty	FY94 Total Cost	FY95 Unit Cost	FY95 Qty	FY95 Total Cost	FY96 Unit Cost	FY96 Qty	FY96 Total Cost	FY97 Unit Cost	FY97 Qty	FY97 Total Cost	
HARDWARE	A													
MMS		276	18	4968										
MHG		205	8	1640	193	12	2316	181	20	3620				
NON-RECURRING ENG				1495										
DATA				567										
FIRST ARTICLE TEST				214										
ECO'S				185			400							
GOVERNMENT TESTING				538			440			115				
ENGINEERING SUPPORT														
CONTRACTS ENGINEERING				185			218			328				
GOVERNMENT IN-HOUSE				684			773			1160				
FIELDING				65			916			1922				
DEPOT MAINTENANCE SETUP-TOAD							1462							
PROGRAM MANAGEMENT ADMIN				223			265			325				
TOTAL				10764			6790			7470				
FY94 funding reflects a below threshold reprogramming.														

P-1 SHOPPING LIST
ITEM NO. 73

BUDGET PROCUREMENT HISTORY AND PLANNING EXHIBIT (P-5A) | **DATE:** February 1995

APPROPRIATION/BUDGET ACTIVITY:
Other Procurement, Army 2 - Comm and Electronics Equipment

P-1 ITEM NOMENCLATURE:
METEOROLOGICAL MEASURING SET (MMS) (K27800)

LINE ITEM/ FISCAL YEAR	CONTRACTOR CONTRACTOR	CONTRACT METHOD AND TYPE	CONTRACTED BY	AWARD DATE	DATE OF FIRST DELIVERY	QTY	UNIT COST	SPECS AVAIL NOW	SPEC REV REQ'D	IF YES, WHEN AVAIL
FY 94 MMS	ETG BALTIMORE, MD	C/OPTION	CECOM	DEC 93	FEB 95	18	276,032	YES	NO	
FY 94 MHG	ETG BALTIMORE, MD	C/FP	CECOM	APR 94	APR 95	8	204,512	YES	NO	
FY 95 MHG	ETG BALTIMORE, MD	C/OPTION	CECOM	FEB95	AUG 95	12	193,045	YES	NO	
FY 96 MHG	ETG BALTIMORE, MD	C/OPTION	CECOM	OCT 95	AUG 96	20	180,640	YES	NO	

REMARKS:

P-1 SHOPPING LIST
ITEM NO. 73

PRODUCTION SCHEDULE (EXHIBIT P-21)

DATE: February 1995

APPROPRIATION/BUDGET ACTIVITY
Other Procurement, Army 2 - Comm and Electronic Equipment

P-1 ITEM NOMENCLATURE
METEOROLOGICAL MEASURING SET (MMS) (K27800)

FACIL ITY NO.	U/M	SERV	PROGRAM QTY 93 & PR	94	95	96	ACCEPT PRIOR TO 1 OCT 94	BALANCE DUE AS OF 1 OCT 94	FY 94 OCT	NOV	DEC	CY 94 JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	FY 95 OCT	NOV	DEC	CY 95 JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	FY 96 OCT	NOV	DEC	CY 96 JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	LATER
1	MMS	A	29				7	22										6	2	2	3	3	3	3																					0
1	MMS	A		18			0	18			A														2	2	2	2	2	2	2	2	2												0
2	MHG	A		8			0	8							A*												2	2	2	2															0
1	MMS	MC			21		0	21													A												3	3	3	3	3	3	3				0
2	MHG	A			12		0	12																A						1	1	1	1	1	1	1	1	1	1	1				0
2	MHG	A				20	0	4																								A									2	2	16
TOTAL							7	64	0	0	0	0	0	0	0	0	0	6	2	2	3	3	3	3	2	2	4	4	4	4	3	3	3	4	4	4	4	4	4	1	1	2	2	16
									OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	

FACIL ITY NO.	MANUFACTURER'S NAME AND LOCATION	PRODUCTION RATES MINIMUM SUSTAIN	1-2-5	MAXIMUM	MONTHS TO REACH MAX AFTER 0-DAY
1	ENVIRONMENTAL TECHNOLOGIES BALTIMORE,MD	2	3	12	18
2	ENVIRONMENTAL TECHNOLOGIES BALTIMORE,MD	1	2	4	16

PROCUREMENT LEAD TIME

	ADMIN LEAD TIME PRIOR 1 OCT	ADMIN LEAD TIME AFTER 1 OCT	MANU-FACTURING TIME	TOTAL AFTER 1 OCT
INITIAL	2	7	12	19
REORDER	0	1	6	7

REMARKS

*MHG COMMERCIAL OFF-THE-SHELF ITEM

PRODUCTION RATES REFLECT INITIAL PRODUCTION BY SMALL BUSINESS, LOW DENSITY PROCUREMENT, AND INTENT TO KEEP LINE OPEN FOR POSSIBLE FUTURE PROCUREMENT.

PROCUREMENT LEAD TIME REFLECTS MHG PROCUREMENTS

PRODUCTION SCHEDULE (EXHIBIT P-21)

DATE: February 1995

APPROPRIATION/BUDGET ACTIVITY
Other procurement, Army 2 - Comm and Electronic Equipment

P-1 ITEM NOMENCLATURE
METEOROLOGICAL MEASURING SET (MMS) (K27800)

FACILITY NO.	U/M	SERV	PROGRAM QTY 93 & PR	94	95	96	ACCEPT PRIOR TO 1 OCT 96	BALANCE DUE AS OF 1 OCT 96	FISCAL YEAR 97														FISCAL YEAR 98												FISCAL YEAR 99												LATER
									CALENDAR YEAR 97														CALENDAR YEAR 98												CALENDAR YEAR 99												
									OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	
1	MMS	A	29				29	0																																						0
1	MMS	A		18			18	0																																						0
2	MHG	A		8			8	0																																						0
1	MMS	MC			21		21	0																																						0
2	MHG	A			12		12	0																																						0
2	MHG	A				20	4	16	2	2	2	2	2	2	2	2																														0
TOTAL							71	16	2	2	2	2	2	2	2	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	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	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	

FACILITY NO.	MANUFACTURER'S NAME AND LOCATION	PRODUCTION RATES MINIMUM SUSTAIN	1-0-5	MAXIMUM	MONTHS TO REACH MAX AFTER D-DAY
1	ENVIRONMENTAL TECHNOLOGIES BALTIMORE, MD	2	3	12	18
2	ENVIRONMENTAL TECHNOLOGIES BALTIMORE, MD	1	2	4	16

PROCUREMENT LEAD TIME ***

	ADMIN LEAD TIME PRIOR 1 OCT	ADMIN LEAD TIME AFTER 1 OCT	MANUFACTURING TIME	TOTAL AFTER 1 OCT
INITIAL	2	7	12	19
REORDER	0	1	6	7

REMARKS

*MHG COMMERCIAL OFF-THE-SHELF ITEM

PRODUCTION RATES REFLECT INITIAL PRODUCTION BY SMALL BUSINESS, LOW DENSITY PROCUREMENT, AND INTENT TO KEEP LINE OPEN FOR POSSIBLE FUTURE PROCUREMENT.

PROCUREMENT LEAD TIME REFLECTS MHG PROCUREMENTS.

P-1 SHOPPING LIST
ITEM NO. 73

BUDGET ITEM JUSTIFICATION SHEET							DATE: February 1995	
APPROPRIATION/BUDGET ACTIVITY: Other Procurement, Army 2 - Comm and Electronics Equipment					P-1 ITEM NOMENCLATURE: NORTH SEEKING GYRO (AD3300)			
	FY94	FY95	FY96	FY97	FY98	FY99	FY00	FY01
QUANTITY								
COST (IN MILLIONS)	3.0							

DESCRIPTION:

The NORTH SEEKING GYRO is a tripod mounted device consisting of a gyroscope, an electronic control unit with a display panel and a theodolite. The NORTH SEEKING GYRO will be used by survey parties to provide a precise Azimuth in three minutes after initialization.

JUSTIFICATION:

The rapid emplacement of field artillery weapons, coupled with quick and accurate locational data significantly enhances the effectiveness of those weapons. Increasing the accuracy and probability of first/early round target hits decreases projectile and propellant usage and artillery tube wear by eliminating the requirement to adjust fire on a target. The FY94 funds procured 38 devices for the Active Army and Training base.

BUDGET ITEM JUSTIFICATION SHEET					DATE: February 1995			
APPROPRIATION/BUDGET ACTIVITY: Other Procurement, Army 2 - Comm and Electronics Equipment					P-1 ITEM NOMENCLATURE: ARTILLERY MUZZLE VELOCITY SYSTEM (AD3250)			
	FY94	FY95	FY96	FY97	FY98	FY99	FY00	FY01
QUANTITY								
COST (IN MILLIONS)	2.7	2.6	4.9	4.8	4.8	4.8	4.8	4.8

DESCRIPTION:

The Muzzle Velocity System (MVS) Conventional is a Doppler Radar System which measures the muzzle velocity of artillery projectiles. It consists of weapon-mounted antenna connected to a display unit. The display will provide the muzzle velocity of the last round fired. The MVS will also compute weapon calibration data and store that data. A separate Paladin version of the 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 probabilty. 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 callibration data. The MVS is being procured as a non-developmental item (NDI) which includes acquisition of a technical data package, provisioning data, manuals and training together with the production hardware for fielding. As part of the MVS procurement, a Level III Technical Data Package (TDP) will be obtained fifteen months after First Article Test Acceptance scheduled for Jul 95. In order to utilize the TDP for acquisition of spares and develop organic depot support, the acquisition of unlimited data rights is essential. The funds identified as Technical Data Package Data Rights on the Exhibit P-5 will allow the acquisition of those data rights.

JUSTIFICATION:
The FY96/97 procurement will continue to support fielded units and readiness requirements for both conventional and Paladin versions of the Muzzle Velocity System.

WEAPON SYSTEM COST ANALYSIS EXHIBIT (P-5)	A. APPROPRIATION Other Procurement, Army 2 - Comm and Electronics Equipment	B. WEAPON MODEL/SERIES/POPULAR NAME Artillery Muzzle Velocity System (AD3250)											D.DATE February 1995
Weapon System Cost Elements	Ident Cod	FY94			FY95			FY96			FY97		
		Unit Cost	Qty	Total Cost	Unit Cost	Qty	Total Cost	Unit Cost	Qty	Total Cost	Unit Cost	Qty	Total Cost
HARDWARE	A	12	104	1220	12	154	2036	12	300	3460	11	295	3330
ENGINEERING CHANGE PROPOSAL							8			9			4
TECH DATA PACKAGE RIGHTS										1200			1330
ENGINEERING SUPPORT													
GOVERNMENT IN-HOUSE				351			216			169			134
RAM TEST				340			295						
QA SUPPORT				30			20			31			29
TOTAL PACKAGE FIELDING							21			25			15
TOTAL PROGRAM COST FY94 funding reflects a below threshold reprogramming.				1941			2596			4894			4842
PROGRAM UNIT COST				19			15			16			17

P-1 SHOPPING LIST
ITEM NO. 73

BUDGET PROCUREMENT HISTORY AND PLANNING EXHIBIT (P- 5A) — **DATE:** February 1995

APPROPRIATION/BUDGET ACTIVITY:
Other Procurement, Army 2 - Comm and Electronics Equipment

P-1 ITEM NOMENCLATURE:
Artillery Muzzle Velocity System (AD3250)

LINE ITEM/ FISCAL YEAR	CONTRACTOR CONTRACTOR	CONTRACT METHOD AND TYPE	ONTRACTED B	AWARD DATE	DATE OF FIRST DELIVERY	QTY	UNIT COST	SPECS AVAIL NOW	SPEC REV REQ'D	IF YES, WHEN AVAIL
Hardware - 1994	RSL Electronics Poughkeepsie, NY									
Conventional		C/FFM-5(1)	ACALA	JUL94	AUG95	26	14,554	YES	NO	
Paladin						78	10,608	YES	NO	
Hardware - 1995	RSL Electronics Poughkeepsie, NY									
Conventional		C/FFM-5(2)	ACALA	MAY95	AUG96	25	14,554	YES	NO	
Paladin						78	10,608	YES	NO	
Conventional		OPTION	ACALA	MAY95	AUG96	28	10,697	YES	NO	
Paladin						39	8,440	YES	NO	
Hardware - 1996	RSL Electronics Poughkeepsie, NY									
Conventional		C/FFM-5(3)	ACALA	MAY96	AUG97	50	14,554	YES	NO	
Paladin						150	10,608	YES	NO	
Conventional		OPTION	ACALA	MAY96	AUG97	25	10,697	YES	NO	
Paladin						75	8,440	YES	NO	
Hardware - 1997	RSL Electronics Poughkeepsie, NY									
Conventional		C/FFM-5(4)	ACALA	MAY97	AUG98	49	14,554	YES	NO	
Paladin						148	10,608	YES	NO	
Conventional		OPTION	ACALA	MAY97	AUG98	24	10,697	YES	NO	
Paladin						74	8,440	YES	NO	

REMARKS

PRODUCTION SCHEDULE (EXHIBIT P-21)

DATE: February 1995

APPROPRIATION/BUDGET ACTIVITY
Other Procurement, Army 2 - Comm and Electronics Equipment

P-1 ITEM NOMENCLATURE
ARTILLERY MUZZLE VELOCITY SYSTEM (AD3250)

FACILITY NO.	U/M	SERV	PROGRAM QTY 94	95	96	97	ACCEPT PRIOR TO 1 OCT 94	BALANCE DUE AS OF 1 OCT 94	FY 94 OCT	NOV	DEC	CY 94 JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	FY 95 OCT	NOV	DEC	CY 95 JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	FY 96 OCT	NOV	DEC	CY 96 JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	LATER
1	EA	A	26				0	26										A												2	2	2	2	2	2	2	2	2	3	3			0
1	EA	MC	79				0	79										A												6	6	6	6	6	7	7	7	7	7	7			0
1	EA	A	78				0	78										A												6	6	6	6	6	6	7	7	7	7	7			0
1	EA	A		25			0	5																				A												3	2	20
1	EA	MC		70			0	10																				A												5	5	60
1	EA	A		78			0	12																				A												6	6	68
1	EA	A		28			0	4																				A												2	2	24
1	EA	A		39			0	6																				A												3	3	33
1	EA	A			50		0	0																															A					50
1	EA	A			150		0	0																															A					150
1	EA	A			25		0	0																															A					25
1	EA	A			75		0	0																															A					75
1	EA	A				49	0	0																																				49
1	EA	A				148	0	0																																				148
1	EA	A				24	0	0																																				24
1	EA	A				74	0	0																																				74
TOTAL							0	131	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	14	14	14	14	14	15	16	16	16	16	17	17	19	18	798
									OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	

PRODUCTION RATES

FACILITY NO.	MANUFACTURER'S NAME AND LOCATION	MINIMUM SUSTAIN	1-8-5	MAXIMUM	MONTHS TO REACH MAX AFTER R-DAY
1	RSL Electronics, Poughkeepsie, NY	5	14	35	

PROCUREMENT LEAD TIME

	ADMIN LEAD TIME PRIOR 1 OCT	ADMIN LEAD TIME AFTER 1 OCT	MANUFACTURING TIME	TOTAL AFTER 1 OCT
INITIAL	7	6	10	16
REORDER	7	2	9	11

REMARKS

P-1 SHOPPING LIST
ITEM NO. 73

PRODUCTION SCHEDULE (EXHIBIT P-21)

DATE: February 1995

APPROPRIATION/BUDGET ACTIVITY
Other Procurement, Army 2 - Comm and Electronics Equipment

P-1 ITEM NOMENCLATURE
ARTILLERY MUZZLE VELOCITY SYSTEM (AD3250)

FACIL ITY NO.	U/I	SERV	PROGRAM QTY 94	95	96	97	ACCEPT PRIOR TO 1 OCT 96	BALANCE DUE AS OF 1 OCT 96	FISCAL YEAR 97 / CALENDAR YEAR 97 OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	FISCAL YEAR 98 / CALENDAR YEAR 98 OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	FISCAL YEAR 99 / CALENDAR YEAR 99 OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	LATER
1	EA	A	26				26	0																																						0
1	EA	MC	79				79	0																																								0
1	EA	A	78				78	0																																								0
1	EA	A		25			5	20	2	2	2	2	2	2	2	2	2	2																												0
1	EA	MC		70			10	60	6	6	6	6	6	6	6	6	6	6																												0
1	EA	A		78			12	66	6	6	6	6	7	7	7	7	7	7																												0
1	EA	A		28			4	24	2	2	2	2	2	2	3	3	3	3																												0
1	EA	A		39			6	33	3	3	3	3	3	3	3	4	4	4																												0
1	EA	A			50		0	50											5	5	4	4	4	4	4	4	4	4	4	4																		0
1	EA	A			150		0	150											12	12	12	12	12	12	13	13	13	13	13	13																		0
1	EA	A			25		0	25											2	2	2	2	2	2	2	2	2	2	2	3																		0
1	EA	A			75		0	75											6	6	6	6	6	6	6	6	6	7	7	7																		0
1	EA	A				49	0	49								A															5	4	4	4	4	4	4	4	4	4	4						0
1	EA	A				148	0	148								A															12	13	13	13	13	12	12	12	12	12	12						0
1	EA	A				24	0	24								A															2	2	2	2	2	2	2	2	2	2	2						0
1	EA	A				74	0	74								A															6	6	6	6	6	6	6	6	6	7	7						0
TOTAL							131	738	19	19	19	19	20	20	21	22	22	22	25	25	24	24	24	24	25	25	25	26	26	27	25	25	25	25	25	24	24	24	24	24	25	25	0	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	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	

FACIL ITY NO.	MANUFACTURER'S NAME AND LOCATION	PRODUCTION RATES MINIMUM SUSTAIN	1-8-5	MAXIMUM	MONTHS TO REACH MAX AFTER R-DAY
1	RSL Electronics, Poughkeepsie, NY	5	14	35	

PROCUREMENT LEAD TIME

	ADMIN LEAD TIME PRIOR 1 OCT	ADMIN LEAD TIME AFTER 1 OCT	MANU-FACTURING TIME	TOTAL AFTER 1 OCT
INITIAL	7	6	10	16
REORDER	7	2	9	11

REMARKS

PRODUCTION LEADTIME FOR FY95 PROGRAM DOES NOT MATCH REORDER LEADTIMES DUE TOPALT SUBMISSION IN FIRST QUARTER FY95 AND A NEED TO MAINTAIN CONTINUOUS PRODUCTION THROUGHOUT THE MULTI-YEAR PROGRAM. PRODUCTION LEADTIMES ARE REGAINED WITH THE BEGINNING OF THE FY96 PROGRAM.

ABOVE SCHEDULE MAY BE AT RISK DUE TO ONGOING PROTEST OF CONTRACT AWARD. SCHEDULE WILL BE ADJUSTED IF NEEDED UPON RESOLUTION OF THE PROTEST.

P-1 SHOPPING LIST
ITEM NO. 73

BUDGET ITEM JUSTIFICATION SHEET

BUDGET ITEM JUSTIFICATION SHEET | **DATE:** FEBRUARY 1995

APPROPRIATION/BUDGET ACTIVITY:
OTHER PROCUREMENT, ARMY 2 – COMMUNICATIONS & ELECTRONICS EQUIPMENT
COMMUNICATIONS & ELECTRONICS EQUIPMENT

P–1 ITEM NOMENCLATURE:
MOD OF IN–SVC EQUIP (TAC SURV)
(BZ7325)

	FY94	FY95	FY96	FY97	FY98	FY99	FY00	FY01
QUANTITY								
COST (IN MILLIONS)	$35.7	$4.6	$26.9	$15.7	$1.9	$6.2	$3.5	$0.0

DESCRIPTION:
The AN/TPQ–36/37 FIREFINDER Counterbattery radars are mobile, phased–array radars which automatically locate mortar, artillery, and short and long range rocket weapons with accuracy to permit rapid engagement with counterfire. There are two significant materiel change programs to the AN/TPQ–36. The AN/TPQ–36(V)7 HMMWV MC reconfigures AN/TPQ–36(V)5s from 2–1/2 ton vehicles and 1–1/2 ton trailers to HMMWVs with compatible trailers to improve transportability and mobility, and incorporates the Modular Azimuth Positioning System for automatic self–survey. The AN/TPQ–36(V)8 Electronics Upgrade MC modifies the AN/TPQ–36(V)7 radars by exchanging the nearly obsolete Operations Control Group (OCG) equipment with state of the art electronics including Common Hardware/ Software (CHS) in a Lightweight Multipurpose Shelter. There are two significant materiel change programs to the AN/TPQ–37. The Enhanced FIREFINDER Block I increases transportability, has greater mobility and detection range, and provides a self–survey capability. It includes ECCM, target classification, reduces the false alarms in an active aircraft environment, and increases survivability. The Antenna Transceiver Group (ATG) Mobility Improvement MC will modify the M–1048 trailer with a tracked suspension system to enhance roadability and mobility.

MATERIEL CHANGE NO. / TITLE	FY94	FY95	FY96	FY97	FY98	FY99	FY00	FY01
1–86–07–0011 AN/TPQ–37 MECH RETROFIT	0.121							
1–89–07–0007 AN/TPQ–36/37 TACFIRE UPGR	0.023							
1–92–07–0027 AN/TPQ–37 ATG MOBILITY	1.927	0.340	0.307					
1–88–07–0004 AN/TPQ–36(V)7 HMMWV	1.229							
1–90–07–0016 AN/TPQ–36(V)8 ELECT UPGRADE	17.241	3.382	25.777	15.720				
1–93–07–0001 AN/TPQ–37 ENHANCED FF, BLK I	15.197	0.848	0.776					
FIRE SUPPORT DIGITIZATION	____	____	____	____	1.899	6.233	3.483	
TOTAL	35.738	4.570	26.860	15.720	1.899	6.233	3.483	

EXHIBIT P–40

P–1 SHOPPING LIST ITEM NO. 74

SIMULATOR AND TRAINING DEVICE JUSTIFICATION ($000)								Date FEBRUARY 1995	
Appropriation/P-1 Line Item OPA 2, COMM & ELEC EQUIP MOD OF IN SVC EQUIP (TAC SURV)			Weapon System (If applicable) FIREFINDER			Equipment Nomenclature AN/TPQ-36(V)8			PE
Fin Plan	FY94/Prior	FY95	FY96	FY97	FY98	FY99	FY00	FY01	Total
Quantity									0
PROC		70	5883	142					6095
RDT&E									0
O&S									0

TRAINING SYSTEM DESCRIPTION:

The existing FIREFINDER Trainers support training for the AN/TPQ-36(V)5 and (V)7. They consist of an Operator Trainer (A17E11), a Unit Maintenance Trainer (A17E12) and an Intermediate Maintenance Trainer. The FIREFINDER Intermediate Maintenance Trainer (FIMT) (06-64) has been developed and was delivered in 2Q94. The training devices are utilized at the US Field Artillery School, Ft Sill, OK.

Funds will be utilized in FY96 to modify the existing trainers and procure new trainers to align with the AN/TPQ-36(V)8, Electronics Upgrade, Materiel Change Number 1-90-07-0016. The IOC for the AN/TPQ-36(V)8 is 1Q98.

A new Operator Trainer will be developed to support the AN/TPQ-36(v)8. The trainer will provide two instructor stations and twelve student stations. The FY97 average seat requirement for active army is estimated at 199 (based on 65% field strength (306)).

The unit maintenance trainer A17E12 consists of six student stations and the course supported is 221-ASIX5(13R), FA FIREFINDER Unit Maintenance. An interactive Multimedia learning system consisting of one instructor station and eight student stations will be procured to support AN/TPQ-36(v)8 unique maintenance learning skills. The FY97 average active army seat requirement is estimated at 88.

SIMULATOR AND TRAINING DEVICE JUSTIFICATION (Page 2)($000)												Date FEBRUARY 1995	
Appropriation/P-1 Line Item OPA 2, COMM & ELEC EQUIP			Weapon System (if applicable) FIREFINDER		IOC Date 1Q98		Equipment Nomenclature AN/TPQ-36(V)8			PE			
Training Device by Type	Site	Delivery Date	Ready for Training Date	Average Student Throughput	FY94/Prior		FY95		FY96		FY97	
					Qty	Cost	Qty	Cost	Qty	Cost	Qty	Cost
OPERATOR A17E11	Ft Sill, OK	2Q97	4Q97	199				54	2	4530		109
UNIT MAINT A17E12	Ft Sill, OK	2Q97	4Q97	88				16	1	1353		33

(EX43-2A) P-1 SHOPP LIST ITEM NO. 74 Page 3 of 16 EXHIBIT P-43(2)

SIMULATOR AND TRAINING DEVICE JUSTIFICATION (Page 3)($000)											Date FEBRUARY 1995	
Training Device by Type OPERATOR TRAINER A17E11						**Weapon System (if applicable)** FIREFINDER						
Description/Justification This training device trains FIREFINDER RADAR Operators (13R10). The FY97 requirement to train active army is 199 students. A new Operator Trainer will be developed to support the AN/TPQ-36(V)8. The trainer will provide two instructor stations and twelve student stations.												
	FY 94/Prior		**FY95**		**FY96**		**FY97**		**Cost Complete**		**Total Cost**	
Financial Plan	**Qty**	**Cost**	**Qty**	**Cost**	**Qty**	**Cost**	**Qty**	**Cost**	**Qty**	**Cost**	**Qty**	**Cost**
Hardware Costs												
Device (Hardware)					2	1403					2	1403
ECDs											0	0
Nonrecurring						404					0	404
GFE											0	0
Other (Specify)											0	0
Total Hardware Costs		0		0		1807		0		0	2	1807
Support Costs												
Special SE												0
Integrated Logistics Support												0
Other (Specify)				54		109		109				272
Total Support Costs		0		54		109		109		0		272
Software/Courseware						2614						2614
Total Costs		0		54		4530		109		0		4693
(EX43-3A)	**P-1 SHOPP List ITEM NO. 74**				**Page No. 4 of 16**				**Exhibit P-43(3)**			

SIMULATOR AND TRAINING DEVICE JUSTIFICATION (Page 3)($000)											Date FEBRUARY 1995	
Training Device by Type UNIT MAINTENANCE TRAINER A17E12											**Weapon System (If applicable)** FIREFINDER	
Description/Justification This training device supports training for FIREFINDER RADAR Unit Maintenance. The FY97 requirement to train active army is 88 students. An Interactive Multimedia learning system consisting of one instructor station and eight student stations will be procured to support AN/TPQ-36(V)8 unique maintenance learning skills.												
	FY 94/Prior		**FY95**		**FY96**		**FY97**		**Cost Complete**		**Total Cost**	
Financial Plan	**Qty**	**Cost**	**Qty**	**Cost**	**Qty**	**Cost**	**Qty**	**Cost**	**Qty**	**Cost**	**Qty**	**Cost**
Hardware Costs												
Device (Hardware)					1	466					1	466
ECDs											0	0
Nonrecurring						74					0	74
GFE											0	0
Other (Specify)											0	0
Total Hardware Costs		0		0		540		0		0	1	540
Support Costs												
Special SE											0	0
Integrated Logistics Support											0	0
Other (Specify)				16		33		33			0	82
Total Support Costs		0		16		33		33		0	0	82
Software/Courseware						780					0	780
Total Costs		0		16		1353		33		0	1	1402
(EX43-3B)	**P-1 SHOPP List ITEM NO. 74**				**Page No. 5 of 16**				**Exhibit P-43(3)**			

FEBRUARY 1995

MODIFICATION INSTALLATION SUMMARY
(Dollars in Millions)

SYSTEM/MODIFICATION	FY94/Prior	FY95	FY96	FY97	FY98	FY99	FY00	FY01	TOTAL
AN/TPQ-36									
AN/TPQ-36(V)7	0.954								0.954
AN/TPQ-36(V)8				0.814					0.814
TOTAL AN/TPQ-36	0.954	0	0	0.814		0	0	0	1.768
AN/TPQ-37									
ENHANCED FF BLOCK I			0.776						0.776
ATG MOBILITY IMPROVEMENT			0.307						0.307
TOTAL AN/TPQ-37		0	1.083						1.083

P-1 SHOPPING LIST
ITEM NO. 74

EXHIBIT P3N

MODIFICATION OF WEAPON SYSTEMS

FEBRUARY 1995

MODIFICATION TITLE: AN/TPQ-36(V)8 Electronics Upgrade (MC #1-90-07-0016)

MODELS OF SYSTEMS AFFECTED: AN/TPQ-36(V)7 HMMWV Radar

1. DESCRIPTION: The AN/TPQ-36 is the primary target acquisition and counterfire system for the field artillery in support of Divisions, Separate Brigades, and rapid deployment task forces and is NOT projected for replacement. This program incorporates the first electronics upgrade to the 1970s technology of this system and corrects Operation Desert Storm identified deficiencies in range, false target rate, target throughput, target classification and displacement time. This Materiel Change was approved for the electronics upgrade of 59 AN/TPQ-36(V)7 HMMWV Radars. It replaces electronic components, that are rapidly approaching obsolescence, with standard Common Hardware/Software (CHS) and/or Commercial Off-the-Shelf (COTS) equipment. This Materiel Change provides a validated cost benefit of $48.933M (FY92 constant dollars) attributed to Operational and Support (O&S) savings over twenty years.

2. JUSTIFICATION: FY96 funds are required to award a Full Rate Production (FRP) contract for a quantity of 12 ea. modification kits and associated training equipment. The contract will include an option to procure 13 ea. for the FY97 requirement.

DEVELOPMENT STATUS/MAJOR DEVELOPMENT MILESTONES:

Eight (8) LRIP units are currently under contract. The Milestone III IPR for Full Rate Production (FRP) and Standard Type Classification is scheduled for 2QFY96. IOC will take place 1QFY98.

AN/TPQ-36(V)8 ELECTRONICS UPGRADE (MC #1-90-07-0016) DATE: FEBRUARY 1995

FINANCIAL PLAN: ($ in Millions)	FY94/Prior		FY95		FY96		FY97		FY98		FY99		FY00		FY01		TC		TOTAL	
	Qty	$	Qty	$	Qty	$	Qty	$	Qty	$	Qty	$	Qty	$	Qty	$	Qty	$	Qty	$
RDT&E																				
PROCUREMENT																				
KIT QUANTITY	8		0		12		13												33	
Installation Kits																				0.0
Installation Kit Nonrecurring																				0.0
Installed Equipment		9.5		1.9		12.9		12.3												36.6
Installed Equipment Nonrecurring		21.0		0.1		3.3		0.1												24.5
Engineering Change Orders				0.1		0.2		0.4												0.7
Data		1.2		0.2		2.2		0.6												4.2
Training Equipment				0.1		5.9		0.1												6.1
Support Equipment																				0.0
Other																				0.0
PM Admin		1.7		1.0		1.1		1.1												4.9
Fielding						0.2		0.3												0.5
Interim Contractor Support																				0.0
Installation of Hardware																				0.0
FY93 Eqpt (1 kits)			1	0.0															1	0.0
FY94 Eqpt (7 kits)			7	0.0															7	0.0
FY95 Eqpt (kits)																			0	0.0
FY96 Eqpt (12 kits)							12	0.4											12	0.4
FY97 Eqpt (13 kits)							13	0.4											13	0.4
FY98 Eqpt (kits)																			0	0.0
FY99 Eqpt (kits)																			0	0.0
FY00 Eqpt (kits)																			0	0.0
FY(TC) Eqpt (kits)																			0	0.0
Total Installation Cost (Subtotal)	0	0.0	8	0.0	0	0.0	25	0.8	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	33	0.8
TOTAL PROCUREMENT COST		33.4		3.4		25.8		15.7		0.0		0.0		0.0		0.0		0.0		78.3

METHOD OF IMPLEMENTATION: Eight (8) LRIP units installed at Grumman Aerospace Corp. prior to delivery. FRP installed at depot.
ADMINISTRATIVE LEADTIME: 3 MONTHS PRODUCTION LEADTIME: 15 MONTHS

CONTRACT DATE:	FY 94:Dec 93 (Option)	FY 95:N/A	FY 96:Mar 96	FY97	OCT 96
DELIVERY DATE:	FY 94:Sep 95	FY 95:N/A	FY 96:Jun 97	FY97	JAN 98

INSTALLATION SCHEDULE:	FY94/Prior	FY 95				FY 96				FY 97				FY 98				FY99-01	TOTAL
		1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4		
INPUTS					8							1	5	6	6	7			33
OUTPUTS					8									6	6	6	7		33

P-1 SHOPPING LIST ITEM NO. 74 EXHIBIT P-3A

(V8P3A1)

UNCLASSIFIED

PRODUCTION SCHEDULE (EXHIBIT P-21)

DATE: FEBRUARY 1995

APPROPRIATION/BUDGET ACTIVITY
OTHER PROCUREMENT, ARMY 2, COMMUNICATIONS AND ELECTRONICS EQUIPMENT

P-1 ITEM NOMENCLATURE
MOD OF IN-SVC EQUIPMENT (TAC SURV) BZ7325 AN/TPQ-36(V)8

FACILITY NO.	U/M	SERV	PROGRAM QUANTITY FY 93P	FY 94	FY 95	FY 96	FY 97	ACCEPT PRIOR TO 1 OCT 93	BALANCE DUE AS OF 1 OCT 93	FISCAL YEAR 94 / CALENDAR YEAR 94 OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	FISCAL YEAR 95 / CALENDAR YEAR 95 OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	FISCAL YEAR 96 / CALENDAR YEAR 96 OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	LATER
1	EA	A	1					0	1			A																																		0
1	EA	A		7				0	7																																							0
1	EA	A				12		0	12																																							12
1	EA	A					13	0	13																																								13
TOTAL								0	33	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	8	0	0	0	0	0	0	0	0	0	0	0	25
										OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	

FACILITY NO.	MANUFACTURER'S NAME AND LOCATION	PRODUCTION RATES MINIMUM SUSTAIN	1-8-5	MAXIMUM	MONTHS TO REACH MAX AFTER D-DAY
1	GRUMMAN AEROSPACE, BETHPAGE, NY	1	3	4	N/A

PROCUREMENT LEAD TIME

	ADMIN LEAD TIME PRIOR 1 OCT	ADMIN LEAD TIME AFTER 1 OCT	MANUFACTURING TIME	TOTAL AFTER 1 OCT
INITIAL	0	3	21	24
REORDER	0	6	15	21

REMARKS
All 8 LRIP systems (FY93/FY94) will be accepted upon completion of Live Fire Testing.

EXHIBIT P-21

P-1 SHOPPING LIST
ITEM NO. 74

(V8P21)

UNCLASSIFIED

UNCLASSIFIED

PRODUCTION SCHEDULE (EXHIBIT P-21)

DATE: FEBRUARY 1995

APPROPRIATION/BUDGET ACTIVITY

OTHER PROCUREMENT, ARMY 2, COMMUNICATIONS AND ELECTRONICS EQUIPMENT

P-1 ITEM NOMENCLATURE

MOD OF IN-SVC EQUIPMENT (TAC SURV) BZ7325 AN/TPQ-36(V)8

FACILITY NO.	U/M	SERV	PROGRAM QUANTITY FY 93P	FY 94	FY 95	FY 96	FY 97	ACCEPT PRIOR TO 1 OCT 97	BALANCE DUE AS OF 1 OCT 97	FISCAL YEAR 98 / CALENDAR YEAR 98 OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	FISCAL YEAR 99 / CALENDAR YEAR 99 OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	FISCAL YEAR 00 / CALENDAR YEAR 00 OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	LATER
1	EA	A	1					1	0																																							0
1	EA	A		7				7	0																																								0
1	EA	A				12		6	6	2	2	2																																				0
1	EA	A					13		13				2	2	2	2	2	3																														0
TOTAL								14	19	2	2	2	2	2	2	2	2	3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
										OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	

FACILITY NO.	MANUFACTURER'S NAME AND LOCATION	PRODUCTION RATES MINIMUM SUSTAIN	1-2-3	MAXIMUM	MONTHS TO REACH MAX AFTER D-DAY
1	GRUMMAN AEROSPACE, BETHPAGE, NY	1	3	4	N/A

PROCUREMENT LEAD TIME

	ADMIN LEAD TIME PRIOR 1 OCT	ADMIN LEAD TIME AFTER 1 OCT	MANUFACTURING TIME	TOTAL AFTER 1 OCT
INITIAL	0	3	21	24
REORDER	0	6	15	21

REMARKS

EXHIBIT P-21

P-1 SHOPPING LIST
ITEM NO. 74

(V8P21AR)

UNCLASSIFIED

MODIFICATION OF WEAPON SYSTEMS

FEBRUARY 1995

MODIFICATION TITLE: AN/TPQ-37 ENHANCED FIREFINDER BLOCK I (MC# 1-93-07-0001)

MODELS OF SYSTEMS AFFECTED: AN/TPQ-37(v)5 and (v)6

DESCRIPTION/JUSTIFICATION:

1. DESCRIPTION: This Materiel Change (MC) is vital to keeping the AN/TPQ-37 radars sustainable in the field. The MC is limited to mechanical, electrical, and software changes necessary to maintain the Reliability Availability Maintainability (RAM), transportability, mobility, and interoperability of the system through FY 05. The effort will design, retrofit, and qualify modifications to the system as follows: upgrade the cooling system, provide for transportability by a C130/C141, upgrade the trailer, incorporate a self-survey capability, reduce false locations, correct and incorporate existing long range software, improve the transmitter RAM, integrate the AN/TPQ-36 (V)7 Operations Control Group (OCG) on the M1097. The MC also includes preproduction efforts required to provide a survivability suite which integrates an active warning and missile defense system.

2. JUSTIFICATION: FY96 funding is for installation and fielding of 24 ea. Block I modification kits.

DEVELOPMENT STATUS/MAJOR DEVELOPMENT MILESTONES:

Milestone III, Production and Type Classification Decision for the Block I kits was approved in Jun 94 and funding for 24 modification kits was awarded in Jun 94. A contract for the preproduction of the survivability suite was awarded in Aug 94.

AN/TPQ-37 ENHANCED FIREFINDER BLOCK I **DATE: FEBRUARY 1995**
(MC# 1-93-07-0001)

FINANCIAL PLAN: ($ IN MILLIONS)	FY94/Prior		FY95		FY96		FY97		FY98		FY99		FY00		FY01		TC		TOTAL	
	Qty	$	Qty	$	Qty	$	Qty	$	Qty	$	Qty	$	Qty	$	Qty	$	Qty	$	Qty	$
RDT&E																				0.0
PROCUREMENT																				
KIT QUANTITY	26																		26	
Installation Kits																				0.0
Installation Kit Nonrecurring																				0.0
Installed Equipment		10.5		0.3																10.8
Installed Equipment Nonrecurring		10.7		0.3																11.0
Engineering Change Orders																				0.0
Data		1.9		0.1																2.0
Training Equipment																				0.0
Support Equipment																				0.0
Other																				0.0
PM Admin		0.7		0.1																0.8
Fielding																				0.0
Interim Contractor Support																				0.0
Installation of Hardware																				0.0
FY93 Eqpt (2 kits)	2	0.0																	2	0.0
FY94 Eqpt (24 kits)					24	0.8													24	0.8
FY95 Eqpt (kits)																			0	0.0
FY96 Eqpt (kits)																			0	0.0
FY97 Eqpt (kits)																			0	0.0
FY98 Eqpt (kits)																			0	0.0
FY99 Eqpt (kits)																			0	0.0
FY00 Eqpt (kits)																			0	0.0
FY(TC) Eqpt (kits)																			0	0.0
Total Installation Cost (Subtotal)	2	0.0	0	0.0	24	0.8	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	26	0.0
TOTAL PROCUREMENT COST		23.8		0.8		0.8		0.0		0.0		0.0		0.0		0.0		0.0	26	25.4

METHOD OF IMPLEMENTATION: Two (2)LRIP units installed by Hughes Aircraft prior to delivery. Field application performed by Tobyhanna Army Depot.
ADMINISTRATIVE LEADTIME: 3 MONTHS **PRODUCTION LEADTIME:** 16 MONTHS

CONTRACT DATE:	FY 94 Jun 94	FY 95:	FY 96:
DELIVERY DATE:	FY 94 Oct 95	FY 95:	FY 96:

INSTALLATION SCHEDULE:	FY 93	FY 94				FY 95				FY 96				FY 97				FY98-99	TOTAL
		1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4		
INPUTS				2						12	12								26
OUTPUTS				2						4	6	6	6	2					26

UNCLASSIFIED

PRODUCTION SCHEDULE (EXHIBIT P-21)

DATE: FEBRUARY 1995

APPROPRIATION/BUDGET ACTIVITY
OTHER PROCUREMENT, ARMY 2, COMMUNICATIONS AND ELECTRONICS EQUIPMENT

P-1 ITEM NOMENCLATURE MOD OF IN-SVC EQUIP (TAC SURV) BZ7325
AN/TPQ-37 Enhanced FIREFINDER Block 1

FACIL	U/M	SERV	PROGRAM QUANTITY FY 93P	FY 94	FY 95	FY 96	FY 97	ACCEPT PRIOR TO 1 OCT 94	BALANCE DUE AS OF 1 OCT 94	FISCAL YEAR 95														FISCAL YEAR 96												FISCAL YEAR 97											
										CALENDAR YEAR 95														CALENDAR YEAR 96												CALENDAR YEAR 97											
										OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	LATER
1	EA	A	2					2	0																																					0
2	EA	A		24				0	24													4	4	4	4	4	4																				0
TOTAL								2	24	0	0	0	0	0	0	0	0	0	0	0	0	4	4	4	4	4	4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

FACILITY NO.	MANUFACTURER'S NAME AND LOCATION
1	HUGHES AIRCRAFT CO, FULLERTON, CA
2	TOBYHANNA ARMY DEPOT

PRODUCTION RATES

MINIMUM SUSTAIN	1-2-3	MAXIMUM	MONTHS TO REACH MAX AFTER D-DAY
1	3	4	N/A
1	3	4	N/A

PROCUREMENT LEAD TIME

	ADMIN LEAD TIME PRIOR 1 OCT	ADMIN LEAD TIME AFTER 1 OCT	MANU-FACTURING TIME	TOTAL AFTER 1 OCT
INITIAL	0	9	16	25
REORDER	0	3	16	19

REMARKS

EXHIBIT P-21

P-1 SHOPPING LIST
ITEM NO. 74

(EXHP21R)

UNCLASSIFIED

FEBRUARY 1995

MODIFICATION TITLE: AN/TPQ-37 ANTENNA TRANSCEIVER GROUP MOBILITY IMPROVEMENT PROGRAM (MC# 1-92-07-0027)

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

DESCRIPTION/JUSTIFICATION:

1. DESCRIPTION: This Materiel Change (MC) was initiated in response to mobility problems encountered during Operation Desert Storm. These problems included excessive wear of the trailer tires, difficulty in moving the trailer through sand, and improper tracking of the trailer behind the assigned prime mover. The Antenna Transceiver Group (ATG) Mobility Improvement Program will apply the Medium Tracked Suspension System (MTSS), produced by Caterpillar, to the M-1048 trailer carrying the AN/TPQ-37 ATG. Testing demonstrated that application of the MTSS provides a wider footprint for the M-1048 trailer which improves trailer mobility in off-road use and does not degrade performance on paved surfaces at highway speeds.

2. JUSTIFICATION: FY96 funding is required for installation and fielding of 24 ea. modification kits.

DEVELOPMENT STATUS/MAJOR DEVELOPMENT MILESTONES:

Milestone III for the production and application of 24 modification kits was approved in Mar 94. A contract for the modification kits was awarded in Jul 94.

AN/TPQ-37 ATG MOBILITY IMPROVEMENT **DATE:** FEBRUARY 1995
(MC# 1-92-07-0027)

FINANCIAL PLAN: ($ IN MILLIONS)	FY94/Prior		FY95		FY96		FY97		FY98		FY99		FY00		FY01		TC		TOTAL	
	Qty	$	Qty	$	Qty	$	Qty	$	Qty	$	Qty	$	Qty	$	Qty	$	Qty	$	Qty	$
RDT&E																				0.0
PROCUREMENT																				
KIT QUANTITY	26																		26	
Installation Kits																				0.0
Installation Kit Nonrecurring																				0.0
Installed Equipment		1.4		0.3																1.7
Installed Equipment Nonrecurring		1.2																		1.2
Engineering Change Orders																				0.0
Data		0.1																		0.1
Training Equipment																				0.0
Support Equipment																				0.0
Other																				0.0
PM Admin		0.2																		0.2
Fielding																				0.0
Interim Contractor Support																				0.0
Installation of Hardware																				0.0
FY93 Eqpt (2 kits)	2	0.0																	2	0.0
FY94 Eqpt (24 kits)					24	0.3													24	0.3
FY95 Eqpt (kits)																			0	0.0
FY96 Eqpt (kits)																			0	0.0
FY97 Eqpt (kits)																			0	0.0
FY98 Eqpt (kits)																			0	0.0
FY99 Eqpt (kits)																			0	0.0
FY00 Eqpt (kits)																			0	0.0
FY(TC) Eqpt (kits)																			0	0.0
Total Installation Cost (Subtotal)	2	0.0	0	0.0	24	0.3	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	26	0.3
TOTAL PROCUREMENT COST		2.9		0.3		0.3		0.0		0.0		0.0		0.0		0.0		0.0	26	3.5

METHOD OF IMPLEMENTATION: Two (2)LRIP units installed by contractor prior to delivery. Field installation to be performed by Tobyhanna Army Depot.
ADMINISTRATIVE LEADTIME: 3 MONTHS **PRODUCTION LEADTIME:** 11 MONTHS

CONTRACT DATE:	FY 94: JUL 94	FY 95:	FY 96:
DELIVERY DATE:	FY 94: JUN 95	FY 95:	FY 96:

INSTALLATION SCHEDULE:	FY 93	FY 94				FY 95				FY 96				FY 97				FY98-01	TOTAL
		1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4		
INPUTS	2							6	18										26
OUTPUTS	2									4	6	6	6	2					26

UNCLASSIFIED

PRODUCTION SCHEDULE (EXHIBIT P-21)

DATE: FEBRUARY 1995

APPROPRIATION/BUDGET ACTIVITY
OTHER PROCUREMENT, ARMY 2, COMMUNICATIONS AND ELECTRONICS EQUIPMENT

P-1 ITEM NOMENCLATURE MOD OF IN-SVC EQUIP (TAC SURV) BZ7325
AN/TRQ-37 ATG Mobility Improvement

FACILITY NO.	U/M	SERV	PROGRAM QUANTITY FY 93P	FY 94	FY 95	FY 96	FY 97	ACCEPT PRIOR TO 1 OCT 94	BALANCE DUE AS OF 1 OCT 94	FISCAL YEAR 95														FISCAL YEAR 96												FISCAL YEAR 97												LATER
										CALENDAR YEAR 95														CALENDAR YEAR 96												CALENDAR YEAR 97												
										OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	
1	EA	A	2					2																																						0
1	EA	A		24				0	24									6	6	6	6																									0
TOTAL								2	24	0	0	0	0	0	0	0	0	6	6	6	6	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
										OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	

FACILITY NO.	MANUFACTURER'S NAME AND LOCATION	PRODUCTION RATES MINIMUM SUSTAIN	1-6-6	MAXIMUM	MONTHS TO REACH MAX AFTER D-DAY
1	CATERPILLAR, PEORIA, ILLINOIS	2	6	6	N/A

PROCUREMENT LEAD TIME

	ADMIN LEAD TIME PRIOR 1 OCT	ADMIN LEAD TIME AFTER 1 OCT	MANUFACTURING TIME	TOTAL AFTER 1 OCT
INITIAL	0	10	11	21
REORDER	0	3	9	12

REMARKS

EXHIBIT P-21

P-1 SHOPPING LIST
ITEM NO. 74

(ATOP21R)

UNCLASSIFIED

BUDGET ITEM JUSTIFICATION SHEET | DATE: FEBRUARY 1995

APPROPRIATION/BUDGET ACTIVITY:

OTHER PROCUREMENT, ARMY 2 - COMMUNICATIONS AND ELECTRONICS EQUIPMENT

P-1 ITEM NOMENCLATURE:

LIGHTWEIGHT LEADER COMPUTER (W63800)

	FY94	FY95	FY96	FY97	FY98	FY99	FY00	FY01
QUANTITY								
COST (IN MILLIONS)	$0.0	$0.0	$0.0	$6.8	$8.8	$0.0	$0.0	$0.0

DESCRIPTION:

The Lightweight Leader Computer (LLC) is a small, mobile computer that will interface the infantryman with armor and artillery units. LLC will provide computer controls to the dismounted infantry leader to assist him with planning and executing military operations. By using the LLC, planning of the dismounted infantry leader will be enhanced through development and radio communication of preformatted operation-order messages and situation overlays. Also, the LLC will improve the dismounted infantry leaders ability to execute missions by providing the ability to develop and communicate fragmentary orders, spot reports, call-for-fire messages and many other messages (while on-the-move) through a remote input device.

The LLC System consists of an integration of a computer and remote input device with the set of fielded combat net radios and the Precision Location GPS Receiver. The system will provide the dismounted infantry leader the information and processing capability he needs to be digitally integrated into the battlefield.

JUSTIFICATION:

The Army's ability to gain advantage through command and control under the digitized battlefield will be met by procuring the Lightweight Leader Computer (LLC). The FY97 funds will procure 730 of the 3900 LLCs required to field Force Package 1. Small unit leaders need automation assistance to improve their situational awareness and for planning operations. The present manual voice radio approach is too time consuming and causes inaccurate and incomplete situational awareness individual soldier and leaders need in the area of C4I.

NOTE: Current FYDP does not show quantities.

WEAPON SYSTEM COST ANALYSIS	A. Appropriation/Budget Activity Title/No.	B. WEAPON MODEL/SERIES/POPULAR NAME	C. MANUFACTURER NAME PLANT CITY/STATE LOCATION	D. DATE:
EXHIBIT (P-5)	OTHER PROCUREMENT, ARMY 2 - COMM & ELEC EQUIPMENT	LTWT LEADER COMPUTER	UNKNOWN	FEB 95

Weapon System Cost Elements	Ident. code	FY94 Unit Cost	FY94 Qty Total Cost	FY95 Unit Cost	FY95 Qty Total Cost	FY96 Unit Cost	FY96 Qty Total Cost	FY97 Unit Cost	FY97 Qty Total Cost
LTWT LEADER COMPUTER									
HARDWARE	B							8,000	730/$5840
SUPPORT									
ECP'S									1,000
TOTAL									6,840

BUDGET PROCUREMENT HISTORY AND PLANNING EXHIBIT (P-5A)

A. DATE: FEBRUARY 1995

B. APPROPRIATION/BUDGET ACTIVITY:
OTHER PROCUREMENT, ARMY 2 - COMMUNICATIONS AND ELECTRONICS EQUIPMENT

C. P-1 ITEM NOMENCLATURE:
LIGHTWEIGHT LEADER COMPUTER (W63800)

COST ELEMENTS/ FISCAL YEAR	CONTRACTOR AND LOCATION	CONTRACT METHOD & TYPE	CONTRACTED BY	AWARD DATE	DATE OF FIRST DELIVERY	QUANTITY	UNIT COST	SPECS AVAILABLE NOW	SPEC REV REQ'D	IF YES, WHEN AVAILABLE
Ltwt Ldr Computer	TBS	Option (FFP)	CECOM	OCT 96	FEB 97	730	8,000	NO (SEP 95)		

D. REMARKS:

The Lightweight Leader Computer will be procured as an option under a production contract which is currently being negotiated by the Project Manager Common Hardware/Software.

PRODUCTION SCHEDULE (EXHIBIT P-21) | DATE: FEBRUARY 1995

APPROPRIATION/BUDGET ACTIVITY
OTHER PROCUREMENT, ARMY ACTIVITY 2 - COMMUNICATIONS AND ELECTRONIC S EQUIPMENT

P-1 ITEM NOMENCLATURE
LIGHTWEIGHT LEADER COMPUTER (W63800)

FACILITY NO.	U/M	SERV	PROGRAM QUANTITY FY 95	FY 96	FY 97	FY 98	FY 99	ACCEPT PRIOR TO 1 OCT	BALANCE DUE AS OF 1 OCT	FISCAL YEAR 95 CALENDAR YEAR 95 OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	FISCAL YEAR 96 CALENDAR YEAR 96 OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	FISCAL YEAR 97 CALENDAR YEAR 97 OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	LATER
1 LLC																																															
Option		A			730				730																											A				100	200	200	200	30				
TOTAL									730																															100	200	200	200	30				

FACILITY NO.	MANUFACTURER'S NAME AND LOCATION	PRODUCTION RATES MINIMUM QUANTITY	1-3-5	MAXIMUM	MONTHS TO REACH MAX AFTER D DAY
1	UNKNOWN	100	200	600	

PROCUREMENT LEAD TIME

	ADMIN LEAD TIME PRIOR 1 OCT	ADMIN LEAD TIME AFTER 1 OCT	MANUFACTURING TIME	TOTAL AFTER 1 OCT
INITIAL				
REORDER		0	4	4

REMARKS

The Lightweight Leader Computer will be procured as an option on a production contract currently being negotiated by Project Manager Common Hardware/Software. As a result of this, only the reorder time is shown under "Production Lead Time."

EXHIBIT P-21

REPORTS CONTROL SYMBOL DD-COMP (AR) 1092	"CODE B" ITEM DESCRIPTION	DATE: FEBRUARY 1995

APPROPRIATION/BUDGET ACTIVITY:
OTHER PROCUREMENT, ARMY 2
COMMUNICATIONS AND ELECTRONICS EQUIPMENT

P-1 ITEM NOMENCLATURE:
LIGHTWEIGHT LEADER COMPUTER (W63800)

CURRENT DEVELOPMENT AND TEST STATUS:

		CURRENT START DATE	SCHEDULE DATE LAST REPORTED	REASON FOR DELAY
DEV TEST & EVAL (DT&E)	PLAN/ACTUAL	3Q FY95		
INITIAL OPER TEST & EVAL (IOT&E)	PLAN/ACTUAL			
OPER TEST & EVAL (OT&E)	PLAN/ACTUAL	4Q FY95		
AVAIL DATE OF TECH DATA PKG (TDP) OR PERFORMANCE SPECIFICATIONS		4Q FY95		

ESTIMATED DATE OF APPROVAL FOR SERVICE USE: Jan-96

EQUIPMENT ITEM(S) TO BE REPLACED: NONE

EXTENT OF IMPROVEMENT OVER ITEM(S) TO BE REPLACED:
N/A

DEVELOPMENT CONTRACT INFORMATION:

PE 06044713 668

CONTRACTOR NAME	PLANT LOCATION	COMPONENT	THRU FY94	CYR 95	BYR 96	BEYOND BYR
Technical Evaluation Research Inc.	Little Silver, NJ		1030	0		
CECOM	Fort Monmouth, NJ		230	235	182	
TOTAL R&D FUNDING			1260	235	182	

REMARKS:

UNCLASSIFIED

REPORTS CONTROL SYMBOL
DD-COMP(AR)1092

BUDGET ITEM JUSTIFICATION SHEET

DATE: February 1995

APPROPRIATION/BUDGET ACTIVITY:
OTHER PROCUREMENT: ARMY2
COMMUNICATIONS AND ELECTRONICS

P-1 ITEM NOMENCLATURE:
Computer Ballistics: Mortar XM-23 (K99200)

	FY 94	FY 95	FY 96	FY 97	FY 98	FY 99	FY 00	FY 01
QUANTITY								
COST (IN MILLIONS)			5.0	4.1	3.8			

DESCRIPTION:

THE MORTAR BALLISTIC COMPUTER (MBC) CALCULATES BALLISTIC TRAJECTORIES AND GIVES THE MORTAR USER DATA TO ELEVATE GUN, SET CHARGE, AND DIRECT FIRE FOR ALL MORTAR ROUNDS. THE IMPROVED MBC USES STATE OF THE ART TECHNOLOGY TO PROVIDE DIGITAL MESSAGE CAPABILITY AND MORTAR FIRING COMPUTATIONS. THE IMPROVED MBC WILL INTERFACE WITH OTHER COMMAND AND CONTROL COMMUNICATION DEVICES TO IMPROVE REQUIRED RESPONSE TIME AND FIRST ROUND ACCURACY FOR MORTAR FIRE. IT INCORPORATES ADA SOFTWARE AND IS OPERATIONALLY COMPATIBLE WITH THE FORWARD ENTRY DEVICE. THE HARDWARE WILL BE A RUGGEDIZED HAND HELD COMPUTER WHICH WEIGHS LESS THAN SIX POUNDS (8.9 LBS WITH CASE, CARRYING STRAPS AND 72-HOUR BATTERIES).

JUSTIFICATION:

THE CURRENT M23 MBC WILL NOT BE SUPPORTABLE IN THE FIELD AFTER FY96 DUE TO REPAIR PARTS AND COMPONENTS NO LONGER BEING AVAILABLE/PROCURABLE. ALSO, THE MEMORY CAPACITY OF THE CURRENT M23 MBC DOES NOT SUPPORT PROJECTED MORTAR AMMUNITION ITEMS IN INVENTORY. THE IMPROVED MBC WILL BE CAPABLE OF ACCEPTING SOFTWARE UPGRADES ELECTRONICALLY, THUS REDUCING THE TIME AND COST CURRENTLY REQUIRED TO APPLY SOFTWARE UPGRADES VIA A HARDWARE CHANGE TO EACH FIELDED UNIT. THE FY96 PROCUREMENT SUPPORTS REPLACEMENT OF THE PRESENT M23 MBC WHICH PROVIDES BALLISTIC COMPUTATIONS FOR 60MM, I81MM, AND 120MM MORTAR FIRE MISSIONS AND PEACETIME TRAINING. A MORTAR BALLISTIC COMPUTER IS REQUIRED TO COMPUTE BALLISTICS, PROVIDE RESPONSIVE AND TIMELY FIRE SOLUTIONS, AND ELIMINATE HUMAN ERRORS FROM MANUAL CALCULATION OF FIRING INSTRUCTIONS, THEREBY PROVIDING ACCURATE ROUNDS ON TARGET.

IDENT CODE: B

WEAPON SYSTEM COST ANALYSIS EXHIBIT (P-5)			A. APPROPRIATION/BUDGET ACTIVITY OTHER PROCUREMENT: ARMY2 COMMUNICATIONS AND ELECTRONICS		B. WEAPON Computer Ballistic: Mortar XM-23		C. MANUFACTURER NAME PLANT CITY/STATE LOCATION UNKNOWN		D. DATE September 1994
Weapon System Cost Elements	**Ident. Code**	**FY94 Unit cost**	**Qty Total Cost**	**FY95 Unit cost**	**Qty Total Cost**	**FY96 Unit cost**	**Qty Total Cost**	**FY97 Unit cost**	**Qty Total Cost**
1. COMPUTER	B					14	302 4320	15	69 1017
2. INTEGRATED LOGISTICS SUPPORT							149		306
3. GOVT ENGINEERING SUPPORT							280		578
4. FIELDING							0		347
5. FIRST ARTICLE/PDN QUAL TEST							303		885
6. SOFTWARE UPGRADE									1020
GROSS P-1 END COST							5052		4153
PROGRAM UNIT COST						17		60	

BUDGET PROCUREMENT HISTORY AND PLANNING EXHIBIT (P-5A)

A. DATE: February 1995

B. APPROPRIATION / BUDGET ACTIVITY
OTHER PROCUREMENT: ARMY 2, COMMUNICATIONS AND ELECTRONICS EQUIPMENT

C. P-1 ITEM NOMENCLATURE
Computer Ballistics: Mortar XM-23 (K99200)

LINE ITEM / FISCAL YEAR	CONTRACTOR AND LOCATION	CONTRACT METHOD & TYPE	CONTRACTED BY	AWARD DATE	DATE OF FIRST DELIVERY	QUANTITY	UNIT COST	SPECS AVAILABLE NOW	SPEC REV REQ'D	IF YES, WHEN AVAILABLE
1. COMPUTER										
FY96	UNKNOWN	OPTION	CECOM	MAR 96	FEB 97	298	14,305	NO	YES	MAR 96
FY97	UNKNOWN	OPTION	CECOM	MAR 97	DEC 97	67	14,734	NO	YES	MAR 96

D. REMARKS

PRODUCTION SCHEDULE (EXHIBIT P-21)										P-1 ITEM NOMENCLATURE COMPUTER BALLISTICS: MORTAR XM-23														DATE February 1995										
FAC NO.	S V C	PROCUREMENT QUANTITY						ACCEP PRIOR OCT	BAL DUE OCT	FISCAL YEAR 95												FISCAL YEAR 96										LATER
		FY 94P	FY 95	FY 96	FY 97	FY 98	FY 99	94	94	CALENDAR YEAR 95												CALENDAR YEAR 96										
										O	N	D	J	F	M	A	M	J	J	A	S	O	N	D	J	F	M	A	M	J	J	A	S	
1	A	0						0	0																							0
1	A		0					0	0																							0
1	A			298				0	298																		A					298
1	A				67			0	67																							67
TOTAL		0	0	0	0	0	0	0	365	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	365
										O	N	D	J	F	M	A	M	J	J	A	S	O	N	D	J	F	M	A	M	J	J	A	S	

FAC	MAN NAME & LOC	MIN	185	MAX	REACHED
1	UNKNOWN	N/A	N/A	N/A	

	PROCUREMENT LEAD TIME			
	ADMIN LEAD TIME		PRODUCTION	TOTAL AFTER 1-OCT
	PRIOR 1 OCT	AFTER 1 OCT		
INITIAL	3	6	12	18
REORDER	3	6	9	15

REMARKS

PAGE 4 OF 6 PAGES

PRODUCTION SCHEDULE (EXHIBIT P-21)										P-1 ITEM NOMENCLATURE COMPUTER BALLISTICS: MORTAR XM-23																					DATE February 1995
FAC NO.	S V C	PROCUREMENT QUANTITY						ACCEP PRIOR OCT 94	BAL DUE OCT 94	FISCAL YEAR 97														FISCAL YEAR 98									L A T E R
										CALENDAR YEAR 97														CALENDAR YEAR 98									
		FY 94P	FY 95	FY 96	FY 97	FY 98	FY 99			O	N	D	J	F	M	A	M	J	J	A	S	O	N	D	J	F	M	A	M	J	J	A	S	
1	A	0						0	0																								0
1	A		0					0	0																								0
1	A			298				0	298					28	28	28	28	28	28	28	28	28	28	18									0
1	A				67			0	67						A									7	20	20	20						0
TOTAL		0	0	298	67	0	0	0	365	0	0	0	0	28	28	28	28	28	28	28	28	28	28	25	20	20	20	0	0	0	0	0	0	
										O	N	D	J	F	M	A	M	J	J	A	S	O	N	D	J	F	M	A	M	J	J	A	S	

FAC	MAN NAME & LOC	MIN	185	MAX	REACHED
1	UNKNOWN	N/A	N/A	N/A	

	PROCUREMENT LEAD TIME			
	ADMIN LEAD TIME		PRODUCTION	TOTAL AFTER 1-OCT
	PRIOR 1 OCT	AFTER 1 OCT		
INITIAL	3	6	12	18
REORDER	3	6	9	15

REMARKS

PAGE 5 OF 6 PAGES

CODE "B" ITEM DESCRIPTION	DATE: February 1994	REPORT CONTROL SYMBOL DD-COMP(AR) 1092
APPROPRIATION OTHER PROCUREMENT: ARMY2	ACTIVITY ACTIVITY 2 WEAPONS AND OTHER COMBAT VEHICLES	P-1 ITEM NOMENCLATURE: COMPUTER BALLISTICS: MORTAR XM-23

1. CURRENT DEVELOPMENT AND TEST STATUS

		SCHEDULE DATE		
		CURRENT	LAST REPORTED	REASON FOR DELAY
a. DEV TEST & EVAL (DT&E)	PLAN/ACTUAL	OCT 95	NA	
b. INITIAL OPER TEST & EVAL (IOT&E)	PLAN/ACTUAL	NOT REQUIRED		
c. OPER TEST & EVAL (OT&E)	PLAN/ACTUAL	DEC 95	NA	
d. AVAIL DATE OF TECH DATA PKG OR PERFORMANCE SPECIFICATIONS	PLAN/ACTUAL	MAR 96	NA	

2. ESTIMATED DATE OF APPROVAL FOR SERVICE USE
Type classified standard: Mar 1996

3. EQUIPMENT ITEM(S) TO BE REPLACED
M23 Mortar Ballistic Computer

4. EXTENT OF IMPROVEMENT OVER ITEM(S) EQUIPMENT TO BE REPLACED
The current M23 memory capacity does not support projected mortar ammunition items planned for inventory. Software upgrades for this computer will be effected electronically, thus reducing time and cost required to apply software modifications. This item will also interface with other command and control communications devices, which the current MBC cannot do. The current computer is unique hardware and software and this new system will be a common hardware computer and ADA software.

5. DEVELOPMENT CONTRACT INFORMATION

CONTRACTOR NAME	PLANT LOCATION	COMPONENT	THROUGH PYR	CYR	BY1	BY2	BEYOND BY'S
TOTAL RDT&E FUNDING		PE654802 D613	3.3	3.3			6.6

6. REMARKS

Software development is being performed by Government personnel from the Armament Research, Development and Engineering Center, Picatinny Arsenal, NJ.

REPORTS CONTROL SYMBOL
DD-COMP(AR) 1092

BUDGET ITEM JUSTIFICATION SHEET

DATE FEBRUARY 1995

APPROPRIATION /BUDGET ACTIVITY	P-1 ITEM NOMENCLATURE
Other Procurement: Army 2 Communications and Electronics Equipment	INTEGRATED METEOROLOGICAL SYSTEM (IMETS) (BW0021)

	FY 94	FY 95	FY 96	FY 97	FY 98	FY 99	FY 00	FY 01
QUANTITY		12	12	6				
COST (IN MILLIONS)	3.8	7.0	7.0	3.3	0.0	0.0	0.0	0.0

DESCRIPTION:

IMETS is a mobile tactical automated weather data receiving, processing, and dissemation system designed to provide timely weather and environmental effects forecasts, observations, and decision aid support to the Army. The IMETS is an Army-furnished system consisting of a standard shelter and vehicle, Army Tactical Command and Control System (ATCCS) common hardware/ software (CHS), and communications that will be operated by Air Force weather personnel and maintained within planned Army support for systems and components IAW AR 115-10/AFR 105-3).

IMETS is deployed in a single-shelter configuration at Echelons Above Corps (EAC), Corps, Division (DIV), Separate Brigade, Armored Cavalry Regiment (ACR), and Special Operations Forces (SOF). Standard Integrated command Post Shelters (SICPS) mounted on High Mobility Multi-purpose Wheeled Vehicles (heavy) house the IMETS. Each system tows a 10-KW tactical quiet generator.

The total system will utilize CHS, SICPS, vehicles, communications, Army software, and Air Force Automated Weather Distribution System (AWDS) developed software and weather products to support the Army.

Each IMETS is configured identically and is capable of performing the following functions: (1) receive weather (WX) data from all available sources: WX satellites,local and remote WX sensors, higher, lower, and adjacent echelon IMETS,WX radar, artillery meteorology sections (ARTYMET), theater forecast units (TFUs), and USAF Global Weather Central; (2) process and display weather information, display weather radar data, weather satellite data and imagery, and Tactical Decision Aids TDAs); (3) disseminate weather data, forecasts, and TDAs via area communications system, to all users and to other IMETS at higher lower, and adjacent echelons; (4) operate independently using HF receivers, satellites, or communications networks as appropriate; and (5) relocate with the unit to which it is assigned.

JUSTIFICATION:

With the advent of technologically precise weapons that use weather data input, it is imperative that the battlefield commander be provided the most accurate and current weather information. IMETS provides this information, allowing the commander to remain situationally aware through a common picture of the battlefield.

FY 96 funds provide 12 IMETS: EAC (2), Corps (2), Div (3), SOF (4), Training (1)

FY 97 funds provide 6 IMETS: Corps (1), Div (5)

IDENTIFICATION CODE: A

WEAPON [redacted]EM COST ANALYSIS			A. APPROPRIATION/BUDGE[redacted]			B.WEAPON MODEL/		C. MANUFACTURER NAME			D. [redacted]E	
EXHIBIT (P-5)			ACTIVITY TITLE NO.			SERIES/ POPULAR NAME		PLANT CITY/STATE LOCATION			MONTH/YEAR	
			Other Procurement: OPA 2			Integrated		Miltope	Montgomery, AL			
			Communications and Electronics			Meteorological System		SAIC	San Diego, CA		February 1995	
			Equipment									
Weapon System	Ident	FY94	QTY	FY95	QTY	FY96	QTY	FY97	QTY			
Cost Elements	Code	Unit Cost	Total Cost	Unit Cost	Total Cost	Unit Cost	Total Cost	Unit Cost	Total Cost			
1. Hardware	B											
-Transportable Computer					{18}*		{24}		{12}			
Unit (TCU)				68	1224	68	1632	68	816			
-Lightweight Computer			{5}		{9}*		{12}		{6}			
Unit (LCU)		29.2	146	20	180	20	240	20	120			
2. PM Administration			571		480		480		480			
3. Engineering Support			2475		3540		3147		1196			
4. Interim Contractor Support					420		420		200			
5. Fielding					960		960		458			
6. Other			600**		150		150					
TOTAL			3792		6954		7029		3270			

*FY 95 quantity adjusted to reflect current program planning

**HQDA directed Commercial Space Package Procurement
(receiver, antenna, processor, printer)

BUDGET PROCUREMENT HISTORY AND PLANNING EXHIBIT (P-5A)

A. DATE: FEBRUARY 1995

B: Appropriation/Budget Activity: Other Procurement Army 2 Communications and Electronics Equipment

C: P-1 Item Nomenclature: Integrated Meteorological System (IMETS)

COST ELEMENT/ FISCAL YEAR	CONTRACTOR AND LOCATION	CONTRACT METHOD & TYPE	CONTRACTED BY	AWAR DATE	DATE OF FIRST DELIVERY	QUANTITY	UNIT COST	SPECS AVAILABLE NOW	SPEC REV REQ'D	IF YES WHEN AVAILABLE
CHS-LCU/FY 94	SAIC San Diego, CA	C/OPTION	CECOM	Dec 93	May 94	5	$29,200	N/A		
CHS-TCU/FY 95	Miltope Corp. Montgomery, AL	C/OPTION	CECOM	Dec 94	Apr 95	18	$68,000	N/A		
CHS-LCU/FY 95	SAIC San Diego, CA	C/OPTION	CECOM	Dec 94	May 95	9	$20,000	N/A		
CHS-TCU/FY 96	TBS	C/OPTION	CECOM	Dec 95	Apr 96	24	$68,000	N/A		
CHS-LCU/FY 96	SAIC San Diego, CA	C/OPTION	CECOM	Dec 95	May 96	12	$20,000	N/A		
CHS-TCU/FY 97	TBS	C/OPTION	CECOM	Dec 96	Apr 97	12	$68,000	N/A		
CHS-LCU/FY 97	TBS	C/OPTION	CECOM	Dec 96	May 97	6	$20,000	N/A		

D. REMARKS:

REPORTS CONTROL SYMBOL DD-COMP (AR) 1092	BUDGET ITEM JUSTIFICATION SHEET	DATE FEBRUARY 1995
APPROPRIATION/BUDGET ACTIVITY - Other Procurement, Army 2, Communications and Electronics Equipment	P-1 ITEM NOMENCLATURE ADVANCED FIELD ARTILLERY TACTICAL DATA SYSTEM (AFATDS)	(B28600)

	FY 94	FY 95	FY 96	FY 97	FY 98	FY 99	FY 00	FY 01
QUANTITY	146	116	221	222	235	229	237	115
COST (In Millions)	4.4	8.1	30.9	34.9	39.2	40.6	42.5	42.7

DESCRIPTION:

The AFATDS is a single, integrated battlefield management and decision support system. It will function on the digital battlefield at Battery through Corps level as one of the five battlefield automated systems of the Army Tactical Command and Control System (ATCCS). AFATDS utilizes evolving commercial technology of the ATCCS Common Hardware/Software (CHS) procurement.

AFATDS is designed to overcome the size, vulnerability, high sustainment cost, limited functionality, central processing and training limitations of the present artillery battalion, division and corps fire direction systems. AFATDS will take advantage of advancing software technology, graphics, decision aids, and embedded training to expand the Fire Support functions. AFATDS will be the Fire Support node of the ATCCS utilizing the Army Common Operating Environment architecture and providing advanced software automation assistance to the Fire Support elements and interfacing with all subsystems subordinate to AFATDS and other nodes of the ATCCS via the standard communications media available to the force. AFATDS will provide all 27 Fire Support functions. These 27 function are grouped in five Fire Support operational needs: Fire Support Execution, Fire Support Planning, Movement Control, Field Artillery Mission Support, and Field Artillery Fire Direction Operations.

Based on the organizational structure to be supported, AFATDS hardware items will be comprised of the following: Tactical Computer Units (TCU), Lightweight Computer Units (LCU), Tactical Communications Interface Modules, Printers, Tactical Display Devices, and Installation Kits tailored to the force structure and available vehicles. This will all be ATCCS Common Hardware. Responsiveness, survivability, and continuity of operations will be enhanced via dispersed processing centers, intelligent remote terminals, a distributed data base management system and distributed operations. AFATDS will interface/interoperate with all functional control elements of existing and future Army Fire Support Systems, including the other ATCCS Battlefield Functional Areas, systems, other services employing Fire Support Joint Interoperability Tactical Command and Control System message standards and Allied Forces using NATO Fire Support Standards.

JUSTIFICATION:

AFATDS will add greatly to the fire support of the battlefield through responsiveness, survivability and continuity of operations. It will overcome the shortcomings that exist in the present fire support system and provide a better capability to the commander. FY96 funds will procure equipment to complete fielding of the two test units and procure 4 Light Divisions. FY97 funds will procure equipment for 1 Heavy Division, 1 Armored Cavalry Regiment, 3 Field Artillery Brigades and 1 Corps Artillery Battalion.

IDENT CODE B

WEAPON SYSTEM COST ANALYSIS EXHIBIT (P-5)

A. Appropriation	B. Weapon	C. Manufacturer Name	D. Date
Other Procurement, Army 2 Comm & Electronics Equipment	Advanced Field Artillery Tactical Data System (AFATDS) (B28600)	Miltope, Melville NY SAIC, San Diego CA	FEB 1995

Weapon System Cost Elements	Ident. code	FY 94 Unit Cost	FY 94 Qty	FY 94 Total Cost	FY 95 Unit Cost	FY 95 Qty	FY 95 Total Cost	FY 96 Unit Cost	FY 96 Qty	FY 96 Total Cost	FY97 Unit Cost	FY97 Qty	FY97 Total Cost
1. Hardware (1) (2)	B	$67	(54) $3,639		$67	(100) $6,739		$58	(351) $20,435		$77	(258) $19,782	
2. Project Management Administration			$287			$458			$1,677			$1,818	
3. Engineering Support			$342			$783			$3,252			$4,443	
4. Interim Contract Support (ICS)			$132			$161			$432			$513	
5. Fielding													
Total Package Fielding			$0			$0			$1,038			$2,108	
New Equipment Training			$0			$0			$2,251			$4,637	
First Destination Transportation			$0			$0			$1,812			$1,574	
TOTAL			$4,400			$8,141			$30,897			$34,875	

(1) Quantities have been adjusted to reflect the current program structure.

(2) FY94 and FY95 hardware reflects procurement of Training Base requirements
FY96 Unit Cost reflects the average of additional Training Base, Lightweight Computer Units (LCU), Fire Support Control Terminals (FSCT), and peripheral hardware.
FY97 Unit Cost increase reflects the greater proportion of higher cost FSCTs and peripherals required for fielding.

BUDGET PROCUREMENT HISTORY AND PLANNING EXHIBIT (P-5A)

A. DATE: FEB 1995

B. APPROPRIATION/BUDGET ACTIVITY: Army 2, Communications and Electronics Equipment

C. P-1 ITEM NOMENCLATURE: Advanced Field Artillery Tactical Data System (AFATDS) (B28600)

Cost Element/ FISCAL YEAR	CONTRACTOR	CONTRACT METHOD AND TYPE	CONTRACTED BY	AWARD DATE	DATE OF FIRST DELIVERY	QUANTITY	UNIT COST	SPECS AVAIL NOW	SPEC REV REQ'D	IF YES, WHEN AVAIL
FY94	MILTOPE Montgomery, Al	C/OPTION	CECOM	JAN 94	MAY 94	54	$67,388	YES		
FY95	MILTOPE Montgomery, Al	C/OPTION	CECOM	JAN 95	MAY 95	39	$85,321	YES		
	MILTOPE Montgomery, Al	C/OPTION	CECOM	JUN 95	OCT 95	24	$85,321	YES		
	SAIC-LCU San Diego CA	C/OPTION	CECOM	JUN 95	NOV 95	37	$36,859	YES		
FY96	TBS	C/OPTION	CECOM	JAN 96	MAY 96	111	$99,054	YES		
	SAIC-LCU San Diego CA	C/OPTION	CECOM	JAN 96	JUN 96	240	$39,366	YES		
FY97	TBS	C/OPTION	CECOM	JAN 97	MAY 97	134	$99,477	YES		
	TBS-LCU San Diego CA	C/OPTION	CECOM	JAN 97	JUN 97	124	$52,036	YES		

D. REMARKS

This is not a Multi-year procurement.

FY 96/97 BUDGET PRODUCTION SCHEDULE

P-1 ITEM NOMENCLATURE: Advanced Field Artillery Tactical Data System (AFATDS) (B29800)

Date: FEBRUARY 1995

ITEM/MANUFACTURER/ PROCUREMENT YEAR	SERV	PROC QTY	ACCEP PRIOR TO 1 OCT	BALANCE DUE AS OF 1 OCT	FISCAL YEAR 1994												FISCAL YEAR 1995									LATER
					CALNDR YR 93	CALENDAR YEAR 1994											CALENDAR YEAR 1995									
					OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	
TCU / MILTOPE / FY94	A	54		54				A				54															
TCU / MILTOPE / FY95	A	39		39																A				39				
TCU / MILTOPE / FY95	A	24		24																					A			24
LCU / SAIC / FY95	A	37		37																					A			37
TCU / TBS / FY96	A	111		111																								111
LCU / SAIC / FY96	A	240		240																								240
TCU / TBS / FY97	A	134		134																								134
LCU / TBS / FY97	A	124		124																								124
TOTAL		763	0	763	0	0	0	0	0	0	0	54	0	0	0	0	0	0	0	0	0	0	0	30	0	0	0	0	670
					OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	

MANUFACTURER'S NAME AND LOCATION	PRODUCTION RATES: MINIMUM SUST.	1-8-5	MAXIMUM	REACHED D*
MILTOPE MONTGOMERY, AL TACTICAL COMPUTER UNIT (TCU)	25	200	600	4
SAIC SAN DIEGO, CA LIGHTWEIGHT COMPUTER UNIT (LCU)	25	300	900	3
TBS				

PROCUREMENT LEAD TIME

	ADMIN LEAD TIME: PRIOR 1 OCT	ADMIN LEAD TIME: AFTER 1 OCT	MANUFACTURING TIME	TOTAL AFTER 1 OCT
INITIAL TCU	0	1	4	5
INITIAL LCU	0	1	5	6

REMARKS

Both TCU's and LCU's are commercial items being procured on the Common Hardware/Software (CHS) contracts. The quantities shown do not represent total production line output.

DD Form 2445, JUL 87 — Previous editions are obsolete

P-1 SHOPPING LIST ITEM NO. 78

Exhibit P-21 Production Schedule

FY 96/97 BUDGET PRODUCTION SCHEDULE

P-1 ITEM NOMENCLATURE: Advanced Field Artillery Tactical Data System (AFATDS) (B29600)

Date: FEBRUARY 1995

ITEM/MANUFACTURER/ PROCUREMENT YEAR	FISCAL YEAR 1996												FISCAL YEAR 1997												FISCAL YEAR 1998												LATER
	CALNDR YR 95			CALENDAR YEAR 1996													CALENDAR YEAR 1997												CALENDAR YEAR 1998										
	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	
TCU / MILTOPE / FY94																																					
TCU / MILTOPE / FY95																																					
TCU / MILTOPE / FY95	24																																				
LCU / SAIC / FY95		37																																			
TCU / TBS / FY96				A				50	50	11																											
LCU / SAIC / FY96				A					50	50	50	50	40																								
TCU / TBS / FY97																A				50	50	34															
LCU / TBS / FY97																A					50	50	24														
TOTAL	24	37	0	0	0	0	0	50	100	61	50	50	40	0	0	0	0	0	0	50	100	84	24	0	0	0	0	0	0	0	0	0	0	0	0	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	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	

REMARKS

Both TCU's and LCU's are commercial items being procured on the Common Hardware/Software (CHS) contracts.

The quantities shown do not represent total production line output.

CODE "B" ITEM DESCRIPTION		DATE February 1995	REPORT CONTROL SYMBOL DD-COMP(AR)1092
APPROPRIATION OTHER PROCUREMENT, ARMY 2,	ACTIVITY - COMMUNICATIONS AND ELECTRONICS EQUIPMENT	P-1 ITEM NOMENCLATURE ADVANCED FIELD ARTILLERY TACTICAL DATA SYSTEM (AFATDS) (B28600)	

1. CURRENT DEVELOPMENT AND TEST STATUS

		Schedule Date		
		Current (1)	Last Reported (2)	Reason For Delay (3)
FORCE DEV TEST & EXP (FDT&E) (V1)	Plan/Actual	Jan 94	Jan 94	
INITIAL OPERATIONAL TEST & EVAL (IOT&E) (V1)	Plan/Actual	Jul 95	Jul 95	
ASARC III	Plan/Actual	Nov 95	Nov 95	
AVAILABLE DATA FOR TECH DATA PKG (TDP) OR PERFORMANCE SPECS	Plan/Actual	Mar 91	Mar 91	

2. ESTIMATED DATE OF APPROVAL FOR SERVICE USE
Nov 1995

3. EQUIPMENT ITEM(S) TO BE REPLACED
Battery Computer System (BCS), Light TACFIRE, Initial Fire Support Automated System (IFSAS), Fire Support Ada Conversion (FSAC)

4. EXTENT OF IMPROVEMENT OVER ITEM(S) OF EQUIPMENT TO BE REPLACED
AFATDS will provide full automation of all Fire Support functions

5. DEVELOPMENT CONTRACT INFORMATION (PE 0203726A / D322) RDT&E FUNDING PROFILE ($ IN MILLIONS)

CONTRACTOR NAME (1)	PLANT LOCATION (2)	COMPONENT (3)	THROUGH PRIOR YEAR FY94 (4)	CURRENT YEAR FY95 (5)	BUDGET YEAR FY96 (6)	BEYOND BUDGET YEAR FY97 - 01 (7)
Magnavox	Ft. Wayne, Indiana	AFATDS D&V Contractor	$146.9	$32.1	$28.9	$32.6
Other Contractual Efforts	Various Locations		$105.5	$4.3	$3.2	$8.6
Other			$48.8	$8.6	$7.3	$10.0
Total RDT&E Funding			$301.2	$45.0	$39.4	$51.2

6. REMARKS

Reference entries on attachment to P-19 if additional space is required to explain delay from previous date.

REPORTS CONTROL SYMBOL DD-COMP (AR) 1092	BUDGET ITEM JUSTIFICATION SHEET	DATE FEBRUARY 1995
APPROPRIATION/BUDGET ACTIVITY - Other Procurement, Army 2, Communications and Electronics Equipment	P-1 ITEM NOMENCLATURE FIRE SUPPORT ADA CONVERSION (FSAC) (B78400)	

	FY 94	FY 95	FY 96	FY 97	FY 98	FY 99	FY 00	FY 01
QUANTITY	300	289	0	0	0	0	0	0
COST (In Millions)	18.0	11.5	0	0	0	0	0	0

DESCRIPTION:

The Fire Support Ada Conversion (FSAC) is composed of two software programs to provide Command and Control at corps through platoon level for Multiple Launch Rocket System (MLRS) units and for tactical fire control for cannon units at platoon and battery levels.

These two programs involve: (a) rewriting the Battery Computer System (BCS) cannon software from the Symbolic Interpretive Routine (SIR) language into Ada and replacing the BCS hardware (AN/GYK-29) with Army Tactical Command and Control System (ATCCS) common hardware (AN/GYK-37/LCU based system), and (b) rewriting the current MLRS Fire Direction System (FDS) software from SIR to Ada and replacing the Battery Computer Unit (BCU) (a modified AN/GYK-29) both at the battery level and as a stand-alone FDS at the platoon level, with ATCCS common hardware (AN/GYK-37/LCU based system). The software structure has been rewritten to provide a more flexible and mature design.

JUSTIFICATION:

FY96/97 funds -- N/A

IDENT CODE A

WEAPON SYSTEM COST ANALYSIS EXHIBIT (P-5)		A. Appropriation Other Procurement, Army 2 Comm & Electronics Equipment		B. Weapon Fire Support Ada Conversion (FSAC) (B78400)		C. Manufacturer Name SAIC San Diego, CA		D. Date FEBRUARY 1995	
Weapon System Cost Elements	Ident. code	FY 94 Unit Cost	Qty Total Cost	FY 95 Unit Cost	Qty Total Cost	FY 96 Unit Cost	Qty Total Cost	FY97 Unit Cost	Qty Total Cost
1. Hardware (1) (2)	A	$32	(412) $13,107	$45	(100) $4,462				
2. Project Management Administration			$595		$862				
3. Engineering Support			$3,005		$3,203				
4. Interim Contract Support (ICS)			$0		$0				
5. Fielding									
a. Total Package Fielding			$662		$1,699				
b. New Equipment Training			$627		$1,218				
c. First Destination Transportation			$21		$85				
TOTAL			$18,017		$11,529				

(1) Quantities have been adjusted to reflect the current program structure.

(2) Higher unit cost shown in FY95 reflects procurement of LCUs as well as the planned upgrade of previously procured LCUs to the current approved configuration.

BUDGET PROCUREMENT HISTORY AND PLANNING EXHIBIT (P-5A)

A. DATE: FEBRUARY 1995

B. APPROPRIATION/BUDGET ACTIVITY: Army 2, Communications and Electronics Equipment

C. P-1 ITEM NOMENCLATURE: Fire Support Ada Conversion (FSAC) (B78400)

Cost Element/ FISCAL YEAR	CONTRACTOR	CONTRACT METHOD AND TYPE	CONTRACTED BY	AWARD DATE	DATE OF FIRST DELIVERY	QUANTITY	UNIT COST	SPECS AVAIL NOW	SPEC REV REQ'D	IF YES, WHEN AVAIL
FY 94	SAIC-LCU San Diego CA	C/OPTION	CECOM	NOV 93	APR 94	412 (1)	$31,813	YES		
FY 95	SAIC-LCU San Diego CA	C/OPTION	CECOM	JAN 95	JUN 95	61 (1)	$44,620	YES		
FY 95	SAIC-LCU San Diego CA	C/OPTION	CECOM	MAR 95	AUG 95	39 (1)	$44,620	YES		

D. REMARKS

This is not a Multi-year procurement.

(1) Quantities have been adjusted to reflect the current program structure.

FY 96/97 BUDGET PRODUCTION SCHEDULE

P-1 ITEM NOMENCLATURE: Fire Support Ada Conversion (FSAC) (B78400)

Date: FEBRUARY 1995

ITEM/MANUFACTURER/ PROCUREMENT YEAR	SERV	PROC QTY	ACCEP PRIOR TO 1 OCT	BALANCE DUE AS OF 1 OCT	FISCAL YEAR 1994												FISCAL YEAR 1995									LATER
					CALNDR YR 93	CALENDAR YEAR 1994											CALENDAR YEAR 1995									
					OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	
AN/GYK-37 LCU / SAIC / FY93	A	304	304																								
AN/GYK-37 LCU / SAIC / FY94	A	412		412		A					50	50	50	50	50	50	50	50	12									
AN/GYK-37 LCU / SAIC / FY95	A	61		61																A					50	11		
AN/GYK-37 LCU / SAIC / FY95	A	39		39																		A					39	
TOTAL		816	304	512	0	0	0	0	0	0	50	50	50	50	50	50	50	50	12	0	0	0	0	0	50	11	39	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	

MANUFACTURER'S NAME AND LOCATION	PRODUCTION RATES: MINIMUM SUST.	1-8-5	MAXIMUM	REACHED D*
SAIC SAN DIEGO, CA	25	300	900	3

PROCUREMENT LEAD TIME

	ADMIN LEAD TIME: PRIOR 1 OCT	ADMIN LEAD TIME: AFTER 1 OCT	MANU-FACTURING TIME	TOTAL AFTER 1 OCT
INITIAL		1	5	6
REORDER (previous source)		1	5	6

REMARKS

The LCUs are commercial items being procured on the Common Hardware/ Software (CHS) contracts The quantities shown do not represent total production line output.

DD Form 2445, JUL 87 — *Previous editions are obsolete*

P-1 SHOPPING LIST

ITEM NO. 79

Exhibit P-21 Production Schedule

REPORTS CONTROL SYMBOL DD-COMP (AR) 1092	BUDGET ITEM JUSTIFICATION SHEET	DATE FEBRUARY 1995
APPROPRIATION/BUDGET ACTIVITY - Other Procurement, Army 2, Communications and Electronics Equipment		P-1 ITEM NOMENCLATURE Initial Fire Support Automation System (IFSAS) B78100

	FY 94	FY 95	FY 96	FY 97	FY 98	FY 99	FY 00	FY 01
QUANTITY	21	0	0	0	0	0	0	0
COST (In Millions)	21.4	0	0	0	0	0	0	0

DESCRIPTION:

The Initial Fire Support Automated System (IFSAS) is composed of the Light Tactical Fire Direction (LTACFIRE) system software ported to the Army Tactical Command and Control System (ATCCS) Lightweight Computer Unit (LCU).

For the Active Component (AC): IFSAS replaces TACFIRE and Variable Format Message Entry Devices (VFMED), as well as the Fire Support Team Digital Message Device (FIST DMD) in Light Divisions. IFSAS hardware fielded becomes part of the AFATDS architecture. IFSAS replaces 60's technology while generating O&S savings by replacing TACFIRE.

For the National Guard (NG) units: IFSAS is the first automated Command and Control system for fire support. IFSAS is fielded to Fire Direction Centers (FDC) and Fire Support Elements (FSE).

IFSAS automates the fire mission processing functions to include Tactical Fire Direction, Fire Support Target Analysis, Artillery Target Analysis, Non-nuclear Fire Planning, Support Geometry Display, Meteorological Data Processing, and Ammunition and Fire Unit Accounting.

JUSTIFICATION:

FY96/97 funds -- N/A

IDENT CODE A

WEAPON SYSTEM COST ANALYSIS EXHIBIT (P-5)		A. Appropriation Other Procurement, Army 2 Comm & Electronics Equipment		B. Weapon Initial Fire Support Automation System (IFSAS) B78100		C. Manufacturer Name SAIC-LCU San Diego, CA		D. Date FEBRUARY 1995	
Weapon System Cost Elements	ident. code	FY 94 Unit Cost	Qty Total Cost	FY 95 Unit Cost	Qty Total Cost	FY 96 Unit Cost	Qty Total Cost	FY97 Unit Cost	Qty Total Cost
1. Hardware (1) (2)	A		(305)						
a. Hardware Procurement		$33	$10,010						
b. Upgrades			$701						
2. Project Management Administration			$345						
3. Engineering Support			$4,963						
4. Interim Contract Support (ICS)			$0						
5. Fielding									
a. Total Package Fielding			$2,572						
b. New Equipment Training			$2,593						
c. First Destination Transportation			$203						
TOTAL			$21,387						

(1) FY 94 hardware includes upgrade costs to prior year quantities.
(2) FY 94 quantities have been adjusted to reflect the current program structure.

BUDGET PROCUREMENT HISTORY AND PLANNING EXHIBIT (P-5A)										A. DATE FEBRUARY 1995
B. APPROPRIATION/BUDGET ACTIVITY Army 2, Communications and Electronics Equipment						C. P-1 ITEM NOMENCLATURE Initial Fire Support Automation System (IFSAS) B78100				
Cost Element/ FISCAL YEAR	CONTRACTOR	CONTRACT METHOD AND TYPE	CONTRACTED BY	AWARD DATE	DATE OF FIRST DELIVERY	QUANTITY	UNIT COST	SPECS AVAIL NOW	SPEC REV REQ'D	IF YES, WHEN AVAIL
FY 94	SAIC-LCU San Diego CA	C/OPTION (1)	CECOM	FEB 94	JUL 94	305	$32,820	YES		

D. REMARKS

This is not a Multi-year procurement.

(1) To be procured against an existing contract.

FY 96/97 BUDGET PRODUCTION SCHEDULE

P-1 ITEM NOMENCLATURE: Initial Fire Support Automation System (IFSAS) B78100

Date: FEBRUARY 1995

ITEM/MANUFACTURER/ PROCUREMENT YEAR	SERV	PROC QTY	ACCEP PRIOR TO 1 OCT	BALANCE DUE AS OF 1 OCT	FISCAL YEAR 1994												FISCAL YEAR 1995									LATER
					CALNDR YR 93	CALENDAR YEAR 1994											CALENDAR YEAR 1995									
					OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	
AN/GYK-37 LCU / SAIC / FY93	A	194	130	64				34	30																		
AN/GYK-37 LCU / SAIC / FY94	A	305		305					A					45	45	45	45	45	45	35								
TOTAL		499	130	369	0	0	0	34	30	0	0	0	0	45	45	45	45	45	45	35	0	0	0	0	0	0	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

MANUFACTURER'S NAME AND LOCATION	PRODUCTION RATES MINIMUM SUST.	1-8-5	MAXIMUM	REACHED D*
SAIC SAN DIEGO, CA	25	300	900	3

PROCUREMENT LEAD TIME

	ADMIN LEAD TIME PRIOR 1 OCT	ADMIN LEAD TIME AFTER 1 OCT	MANU-FACTURING TIME	TOTAL AFTER 1 OCT
INITIAL		1	5	6
REORDER (previous source)		1	5	6

REMARKS

The LCUs are commercial items being procured on the Common Hardware/ Software (CHS) contracts. The quantities shown do not represent total production line output.

BUDGET ITEM JUSTIFICATION SHEET	DATE February 1995
APPROPRIATION/BUDGET ACTIVITY - Other Procurement, Army 2, Comm & Electronics Equipment	P-1 ITEM NOMENCLATURE Combat Service Support Control System (CSSCS)(W34600)

	FY 94	FY 95	FY 96	FY 97	FY 98	FY 99	FY 00	FY 01
QUANTITY		42	29	35	33	14	117	126
COST (In Millions)	$	$ 6.0	$ 5.9	$ 6.0	$ 6.1	$ 6.1	$ 14.9	$ 14.9

DESCRIPTION: Combat Service Support Control System (CSSCS) is one of the five Battlefield Functional Area (BFA) systems within the Army Tactical Command and Control System (ATCCS). The CSSCS will rapidly collect, analyze and disseminate CSS information to support the functions of command, control and resource management. CSS commanders and staffs are currently participating in the force level planning and decision-making processes through a manual effort of gathering correlating, and analyzing volumes of technical data from the existing Standard Army Management Information Systems (STAMIS). CSSCS will provide timely situational awareness and force projection to determine capability to support current operations and sustain future operations. CSSCS uses evolving commercial computer technology of the ATCCS Common Hardware/Software (CHS). CSSCS will be deployed at echelons above corps, divisions, maneuver brigades and armored cavalry regiments. The total OPA requirement for Force Package One for CSSCS is 481 systems.

JUSTIFICATION: FY96/97 funds will support the procurement and fielding of the CSSCS as an integral node of the Army Tactical Command and Control System (ATCCS), completing III Corps and beginning XVIII Airborne Corps. This automated CSSCS node is required to support the fielding and operation of ATCCS by providing a responsive automated CSS operation that is capable of supporting the Commander's requirement to perform timely prediction and situation analyses. CSSCS will provide the commanders and their staffs timely situational awareness and force projection information. It will be part of the Army Global Command and Control System. It will greatly enhance the commander's ability to make timely decisions, allocate resources, and fight the battle.

IDENTIFICATION CODE B

WEAPON SYSTEM COST ANALYSIS EXHIBIT (P-5)		a. Appropriation/Budget: Other Procurement, Army 2 Comm & Electronics Equipment		b. Weapon Model Name: Combat Service Support Control System (CSSCS) (W34600)		c. Mfg Name: Miltope Montgomery, AL		d. Date February 1995	
WEAPON SYSTE COST ELEMENT	Ident.	FY94 Unit Cost	Qty Total Cost	FY95 Unit Cost	Qty Total Cost	FY96 Unit Cost	Qty Total Cost	FY97 Unit Cost	Qty Unit Cost
1. Hardware *	B								
TCU				$64	(51)	$56	(53)	$62	(34)
				3,264			2,973	2,096	
|								$61	(17)
LCU								1,033	
2. Project Mgt Adm				637			233	240	
3. Engr Spt				656			816	841	
4. Fielding				481			515	510	
TPF				330			353	350	
NET				87			139	98	
FDT									
5. ICS				0			412	422	
				522			474	456	
6. Other **									
					5,977		5,915		6,046
TOTAL									

* Quantities have been adjusted to reflect current program structure.

**Category includes integration & assembly; smoke test; data; and common ATCCS logistics

BUDGET PROCUREMENT HISTORY AND PLANNING EXHIBIT (P-5A)) a. Date February 1995

b. Appropriation/Budget Activity
Other Procurement, Army 2
Comm and Electronics Equipment

c. P-1 Item Nomenclature: Combat Service Support Control System (CSSCS)(W34600)

Cost Element/ Fiscal Year	Contractor & Location	Contract Method & Type	Contracted By	Award Date	Date First Delivery	Quantity	Unit Cost	Specs Avail Now	Spec Rev Req'd	If Yes, When Avail
CHS/FY95	Miltope Montgomery, AL	C/Option	CECOM	MAR 95	JUL 95	51	$64,000	Yes		
CHS/FY96	TBS	C/Option	CECOM	JAN 96	MAY 96	53	$56,094	Yes		
CHS/FY97	TBS	C/Option	CECOM	JAN 97	MAY 97	34	$61,647	Yes		
LCU/FY97	TBS	C/Option	CECOM	JAN 97	JUN 97	17	$60,765	Yes		

d. Remarks

This is not a multiyear procurement. The CHS 2 contract is scheduled for award in March 1995.

Quantities have been adjusted to reflect current program structure.

FY 96/97 BUDGET PRODUCTION SCHEDULE

P-1 ITEM NOMENCLATURE: Combat Service Support Control System (W34600)

Date: FEBRUARY 1995

ITEM/MANUFACTURER/ PROCUREMENT YEAR	SERV	PROC QTY	ACCEP PRIOR TO 1 OCT	BALANCE DUE AS OF 1 OCT	FISCAL YEAR 1995												FISCAL YEAR 1996										LATER
					CALNDR YR 94	CALENDAR YEAR 1995											CALENDAR YEAR 1996										
					OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	
TCU /CHS MILTOPE , FY95	A	51		51						A				26	25													
TCU / TBS, FY96	A	53		53																A				27	26			
TCU / TBS FY97	A	34		34																								
TCU/TBS, FY97	A	17		17																								
TOTAL			0	155	0	0	0	0	0	0	0	0	0	26	25	0	0	0	0	0	0	0	0	27	26	0	0	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	

MANUFACTURER'S NAME AND LOCATION	PRODUCTION RATES			REACHED D*
	MINIMUM SUST.	1-8-5	MAXIMUM	
MILTOPE MONTGOMERY, AL	25	200	600	8
TBS:				

PROCUREMENT LEAD TIME

	ADMIN LEAD TIME PRIOR 1 OCT	ADMIN LEAD TIME AFTER 1 OCT	MANU-FACTURING TIME	TOTAL AFTER 1 OCT
INITIAL TCU	2	2	4	6
Reorder	2	2	5	7

REMARKS

Both TCU's and LCU's are commercial items being procured on the Common Hardware/Software (CHS) contracts. Quantities shown do not represent total production line output.

FY 96/97 BUDGET PRODUCTION SCHEDULE

P-1 ITEM NOMENCLATURE: Combat Service Support Control System (W34600)

Date: FEBRUARY 1995

ITEM/MANUFACTURER/ PROCUREMENT YEAR	FISCAL YEAR 1997												FISCAL YEAR 1998												FISCAL YEAR 1999												LATER
	CALNDR YR 96			CALENDAR YEAR 1997									CALENDAR YEAR 1998												CALENDAR YEAR 1999												
	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	
TCU/CHS Milltope, FY95																																				
TCU / TBS, FY96																																				
TCU / TBS, FY97				A				17	17																											
LCU/TBS, FY97				A					17																											
TOTAL	0	0	0	0	0	0	0	17	34	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	

REMARKS

Both TCU's and LCU's are commercial items being procured on the Common Hardware/Software (CHS) contracts.

The quantities shown do not represent total production line output.

UNCLASSIFIED

CLASSIFICATION

CODE "B" ITEM DESCRIPTION		DATE February 1995	REPORT CONTROL SYMBOL DD-COMP(AR)1092
APPROPRIATION Other Procurement, Army 2	ACTIVITY - Comm & Electronics Equipment	P-1 ITEM NOMENCLATURE Support Control System (CSSCS)(W34600)	Combat Service

1. CURRENT DEVELOPMENT AND TEST STATUS

	Schedule Date		
	Current	Last Reported	Reason For Delay
A. INITIAL OPER TEST & EVAL (IOT&E)	Jul-Sep 94	Jul-Sep 94	
B. FIRST UNIT EQUIPPED (FUE)	Mar 95	Mar 95	
C. MSIII/PRODUCTION DECISION	Mar 95	Mar 95	
D. INITIAL OPERATIONAL CAPABILITY (IOC)	Jul 95	Jul 95	

2. ESTIMATED DATE OF APPROVAL FOR SERVICE USE — Mar 1995 (MS III)

3. EQUIPMENT ITEM(S) TO BE REPLACED — N/A

4. EXTENT OF IMPROVEMENT OVER ITEM(S) OF EQUIPMENT TO BE REPLACED — N/A

5. DEVELOPMENT CONTRACT INFORMATION — PE 0603805A/D091 — RDT&E FUNDING PROFILE ($ IN MILLIONS)

CONTRACTOR NAME (1)	PLANT LOCATION (2)	COMPONENT (3)	THROUGH PRIOR YEA (4) FY-94	CURRENT YEAR (5) FY-95	BUDGET YEAR (6) FY-96	BEYOND BUDGET YEAR (7) FY97-01
*TRW	Carson, CA	Software	$47.7	$9.5	$4.5	
MARTIN-MARIETTA	Springfield, VA	Software		$1.5	$3.8	$15.0
Other			$15.0	$7.1	$4.1	$8.7
TOTAL RDT&E FUNDING			$62.7	$18.1	$12.4	$23.7

6. REMARKS:
* Software contractor through Jan 1996

BUDGET ITEM JUSTIFICATION SHEET	DATE: FEBRUARY 1995
APPROPRIATION/BUDGET ACTIVITY Other procurement, Army 2, Communications and Electronics Equipment	P-1 ITEM NOMENCLATURE Forward Area Air Defense Command and Control (FAAD C2) (AD 5050)

	FY 94	FY 95	FY 96	FY 97	FY 98	FY 99	FY 00	FY 01
QUANTITY	0	1	5	5	1	2	0	0
COST (In Millions)	13.3	14.2	32.9	38.2	16.8	12.6	0.0	0.0

DESCRIPTION: The Forward Area Air Defense Command and Control (FAAD C2) System is an automated system deployed with FAAD weapons to provide accurate and timely command, control, and targeting information for the weapons systems. The system utilizes non-developmental item sensors (Light and Special Division Idnterim Sensor and/or Ground Based Sensor), computers, displays, and interface hardware integrated with data communication equipment. It automates mission-related functions and uses the Single Channel Ground and Airborne Radio Systems (SINCGARS) for voice and the Army Data Distribution System (ADDS) for data. Limited production of the system was authorized in May 1993 and the first unit equipped was the 101st Airborne Division (Air Assault) in September 1993. Since this fielding occurred prior to the availability of the Enhanced Position Location Reporting Systems (EPLRS) portion of ADDS, additional SINCGARS radios were added to transmit data. The next fielding is scheduled for the 2nd Infantry Division in FY 95. The Defense Acquisition BOARD (DAB) is planned for the third quarter of FY 95 for Milestone III to provide initial software capability for fielding to heavy divisions and remaining units.

ID CODE: B

Justification: FY 96 and FY 97 dollars will be used to procure Common Hardware Software (CHS) computers, displays, software, and Joint Tactical Information Distribution System (JTIDS) to field heavy divisons and remaining units. FAAD C2 enables maneuver commanders to receive air attack warnings from Corps, Division, Brigade and battalion to the individual shooter. FAAD C2 also enables alerting the air defense gunners, enhances capability for air space management, and automated uptell of acknowledgement of mission and unit position, ultimately enhancing protection to the force.

WEAPON SYSTEM COST ANALYSIS EXHIBIT (P-5)	A. Appropriation/Budget Activity Title/No. OPA 2-COMM AND ELECTRONIC EQUIP	B. WEAPON MODEL/SERIES/POPULAR NAME FAAD C2	C. MANUFACTURER NAME PLANT CITY/STATE LOCATION MILTOPE, MONTGOMERY, AL	D. DATE Month/Year FEBRUARY 1995

Weapon System Cost Elements	Ident Code	FY94 Unit Cost	FY94 Qty Total Cost	FY95 Unit Cost	FY95 Qty Total Cost	FY96 Unit Cost	FY96 Qty Total Cost	FY97 Unit Cost	FY97 Qty Total Cost
1.HARDWARE-CHS	B	3,398	(2) 6.796	4,242	(2) 8,483	3,212	(4)12,848	4,111	(4) 16,443
HARDWARE-JTIDS							12,877		14,948
2.PROJECT MGT ADMIN			2,800		2,020		2,080		2,142
3.FIELDING									
TPF			754		768		761		776
NET			450		1,216		2,580		2495
FDT			200		36		329		339
4.INTERIM CONTRACTOR SUPPORT			600		1,010		671		654
5.ENGINEERING SUPPORT			1,700		617		796		439
TOTAL			(2)13,300		(2)14,150		(4)32,942		(4) 38,236

* QUANTITIES ARE BASED ON ORGANIZATIONAL UNITS, WITH VARIATIONS IN SIZES BASED ON SPECIFIC MISSION REQUIREMENTS AND AND EQUIPMENT REQUIRED. QUANTITIES REPORTED REFLECT A COMPOSITE NUMBER OF SPECIFIC REQUIREMENTS (HEAVY DIVISION, LIGHT DIVISION, ARMORED CAVALRY REGIMENT, CORPS MISSILE BATTALION, TRAINING BASE, AND SPECIAL DIVISION). FY 96 THROUGH FY 98 INCLUDES COSTS TO PROCURE JTIDS.

Quantities have been adjusted to reflect current program structure.

BUDGET PROCUREMENT HISTORY AND PLANNING EXHIBIT (P-5A)

A. DATE: FEBRUARY 1995

B: APPROPRIATION/BUDGET ACTIVITY
Other Procurement, Army 2, Communications and Electronic Equip

C. P-1 ITEM NOMENCLATURE
Forward Area Air Defense Command and Control AD5050

COST ELEMENT/ FISCAL YEAR	CONTRACTOR AND LOCATION	CONTRACT METHOD AND TYPE	CONTRACTED BY	AWARD DATE	DATE OF FIRST DELIVERY	QUANTITY	UNIT COST	SPECS AVAILABLE NOW	SPEC REV REQ'D	IF YES, WHEN AVAILABLE
HARDWARE										
FY 1994	MILTOPE, MELVILLE, NY	C/OPTION	CECOM	FEB 94	JUN 94	2	3,398			
FY 1995	MILTOPE, MELVILLE, NY	C/OPTION	CECOM	DEC 94	APR 95	2	4,242			
FY 1996	TBS	C/OPTION	CECOM	DEC 95	APR 96	4	3,212			
FY 1997	TBS	C/OPTION	CECOM	DEC 96	APR 97	4	4,111			

D. REMARKS

THESE ARE NOT MULTI-YEAR PROCUREMENTS

DELIVERY DATE REPRESENTS CONTRACTOR DELIVERY TO GOVERNMENT DEPOTS. TOTAL LEADTIME TO INCLUDE PROCUREMENT OF HARDWARE AND INTEGRATION OF HARDWARE AND SOFTWARE IS APPROXIMATELY 13 MONTHS.

QUANTITIES ARE BASED ON ORGANIZATIONAL UNITS, WITH VARIATIONS IN SIZES BASED ON SPECIFIC MISSION REQUIREMENTS AND EUQUIPMENT REQUIRED. QUANTITIES REPORTED REFLECT A COMPOSITE NUMBER OF SPECIFIC REQUIREMENTS (HEAVY DIVISION. LIGHT DIVISION, ARMORED CAVALRY REGIMENT, CORPS MISSILE BATTALION, TRAINING BASE, AND SPECIAL DIVISION).

FY96/97 BUDGET PRODUCTION SCHEDULE

DATE FEBRUARY 1995

APPROPRIATION /BUDGET ACTIVITY
Other Procurement: Army 2
Communications and Electronics Equipment

P-1 ITEM NOMENCLATURE
FORWARD AREA AIR DEFENSE COMMAND AND CONTROL SYSTEM
(FAADC2I) (AD5050)

ITEM/MANUFACTURER PROCUREMENT YEAR	SERV	PROC QTY	ACCEP PRIOR TO 1-Oct 93	BAL DUE AS OF 1-Oct 93	FISCAL YEAR 1994													FISCAL YEAR 1995												FISCAL YEAR 1996												LATER
					CALENDAR YEAR 93	CALENDAR YEAR 1994												CALENDAR YEAR 1995												CALENDAR YEAR 1996												
					OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	
CHS/MILTOPE/FY94	A	2		2					A				2																											
CHS/MILTOPE/FY95	A	2		2														A					2																	
CHS/TBS/FY96	A	4		4																										A				4						
CHS/TBS/FY97	A	4		4																																				4
TOTAL		12		12									2										2											4						4

MANUFACTURERS NAME & LOCATION	PRODUCTION RATES MIN	1-8-5	MAX	MONTHS TO REACH MAX AFTER D DAY
Miltope Montgomery, AL	25	300	600	4

PRODUCTION LEAD TIME	ADMIN LEAD TIME PRIOR 1 OCT	ADMIN LEAD TIME AFTER 1 OCT	PRODUCTION	TOTAL AFTER 1 OCT
INITIAL		2	4	6
REORDER		2	4	6

REMARKS:
The TCUs, HTUs, and LCUs are commercial items being procured on the Common Hardware/Software contracts. The quantities shown do not represent total production line output. Production leadtime is 4 months; total leadtime to include integration of hardware and software is approximately 13 months.

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FY96/97 BUDGET PRODUCTION SCHEDULE

DATE FEBRUARY 1995

APPROPRIATION/BUDGET ACTIVITY
Other Procurement: Army 2
Communications and Electronics Equipment

P-1 ITEM NOMENCLATURE
FORWARD AREA AIR DEFENSE COMMAND AND CONTROL SYSTEM
(FAADC2I) (AD5050)

ITEM/MANUFACTURER PROCUREMENT YEAR	SERV	PROC QTY	ACCEP PRIOR TO 1-Oct 93	BAL DUE AS OF 1-Oct 93	FISCAL YEAR 1997														FISCAL YEAR 1998													FISCAL YEAR 1999												LATER
					CALENDAR YEAR 96			CALENDAR YEAR 1997											CALENDAR YEAR 1998													CALENDAR YEAR 1999											
					OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	
CHS/MILTOPE/FY94	A	2		2																																				
CHS/MILTOPE/FY95	A	2		2																																				
CHS/TBS/FY96	A	4		4																																				
CHS/TBS/FY97	A	4		4			A				4																													
TOTAL		12		12							4																													

MANUFACTURERS NAME & LOCATION	PRODUCTION RATES MIN	1-8-5	MAX	MONTHS TO REACH MAX AFTER D DAY
Miltope Montgomery, AL	25	300	600	4

PRODUCTION LEAD TIME	ADMIN LEAD TIME PRIOR 1 OCT	AFTER 1 OCT	PRODUCTION	TOTAL AFTER 1 OCT
INITIAL		2	4	6
REORDER		2	4	6

REMARKS:
The TCUs, HTUs, and LCUs are commercial items being procured on the Common Hardware/Software contracts. The quantities shown do not represent total production line output. Production leadtime is 4 months; total leadtime to include integration of hardware and software is approximately 13 months.

P-1 SHOPPING LIST

DD Form 2445, JUL 87
UNCLASSIFIED

ITEM NO 83

EXHIBIT P-21

CODE "B" ITEM DESCRIPTION	DATE FEBRUARY 1995	REPORT CONTROL SYMBOL DD-COMP(AR)1092
APPROPRIATION/BUDGET ACTIVITY OTHER PROCUREMENT, ARMY 2 - Communications and Electronic Equipment	P-1 ITEM NOMENCLATURE FORWARD AREA AIR DEFENSE COMMAND AND CONTROL (FAAD C2) (AD 5050)	

1. CURRENT DEVELOPMENT AND TEST STATUS

	SCHEDULE DATE		
	CURRENT 1	LAST REPORTED 2	REASON FOR DELAY 3
BLOCK II DT	4QFY94	COMPLETE	
BLOCK II IOT&E	1QFY95	COMPLETE	
BLOCK III SCT	2QFY97		
AVAIL DATE OF FINAL TECH DATA PKG (TDP) OR PERFORMANCE SPECIFICATIONS	4QFY99		
BLOCK III IOT&E	4QFY99		

2. ESTIMATED DATE OF APPROVAL FOR SERVICE USE

LOW RATE INITIAL PRODUCTION DECISION APPROVED JUN 93 FOR BLOCK I ONLY; FSP FOR BLOCK II PLANNED FOR 3QFY95; FSP FOR BLOCK III PLANNED 3QFY99.

3. EQUIPMENT ITEMS(S) TO BE REPLACED

MANUAL SYSTEM

4. EXTENT OF IMPROVEMENT OVER ITEMS(S) EQUIPMENT TO BE REPLACED

INITIAL REPLACEMENT OF MANUAL SYSTEM WITH FULLY AUTOMATED SYSTEM

5. DEVELOPMENT CONTRACT INFORMATION PE 0604741A/D126

CONTRACTOR NAME 1	PLANT LOCATION 2	COMPONENT 3	THROUGH FY94 4	FY95 5	FY96 6	FY97 7	FY98-FY01 8
TRW	DOMINGUEZ HILLS,CA	FAAD C2SW BL I	175.4	0.0	0.0	0.0	0.0
TRW	DOMINGUEZ HILLS, CA	FAAD C2 SW BL II	24.4	5.5	0.0	0.0	0.0
TRW	DOMINGUEZ HILLS, CA	FAAD C2 SW BL III	0.3	10.0	16.5	15.0	12.4
OTHER/IN HOUSE			243.2	12.5	4.5	6.1	20
TOTAL RDT&E FUNDING			443.3	28.0	21.0	21.1	32.4

6. REMARKS

BLOCK I PROVIDES FIELDING OF FULL SOFTWARE CAPABILITY TO LIGHT DIVISIONS; BLOCK II WILL PROVIDE FIELDING OF INITIAL SOFTWARE CAPABILITY TO HEAVY DIVISIONS; BLOCK III WILL PROVIDE OBJECTIVE SOFTWARE CAPABILITY TO ALL AIR DEFENSE UNITS.

REPORTS CONTROL SYMBOL DD-COMP (AR) 1092	BUDGET ITEM JUSTIFICATION SHEET	DATE February 1995
APPROPRIATION/BUDGET ACTIVITY - Other Procurement, Other Procurement, Army 2 - Comm and Electronics Equipment	P-1 ITEM NOMENCLATURE FORWARD ENTRY DEVICE (FED) (BZ9851)	

	FY 94	FY 95	FY 96	FY 97	FY 98	FY 99	FY 00	FY 01
QUANTITY								
COST (In Millions)	21.9	0.1	0	0	0	0	0	0

DESCRIPTION:

The Forward Entry Device (FED) is a handheld, programmable input/output device used for composing, editing, transmitting, receiving and displaying alphanumeric and graphic messages for transmission over standard military radios.

The FED will be used in the Heavy Divisions by the Forward Observer (FO), Field Artillery (FA) battery commanders and Fire Support Team (FIST) personnel and in the Light Divisions by the Combat Observation Lasing Teams (COLTS) and the FA battery commanders.

The FED was initially fielded with the Forward Observer/Fire Support Team (FO/FIST) software (an ADA recode of the FIST Digital Message Device (DMD) software). The FO Command and Control (FOCC) software enables the user to plan, control, and execute fire support operations at maneuver platoon, company, battalion, and brigade levels. The FOCC devices are employed as the initial data entry point for information inputs into computer centers from remote locations.

The Meteorological Survey software, used with FED supports meteorological and survey computations and command and control messages.

JUSTIFICATION

Program is complete after FY95.

IDENT CODE A

WEAPON SYSTEM COST ANALYSIS EXHIBIT (P-5)		A. Appropriation Other Procurement, Army 2- Comm & Electronics Equipment		B. Weapon Forward Entry Device (FED) (BZ9851)		C. Manufacturer Name MILTOPE Melville, NY		D. Date February 1995	
Weapon System Cost Elements	ident. code	FY 94 Unit Cost	Qty Total Cost (K$)	FY 95 Unit Cost (K$)	Qty Total Cost (K$)	FY 96 Unit Cost (K$)	Qty Total Cost (K$)	FY97 Unit Cost (K$)	Qty Total Cost (K$)
			(754)		(0)				
1. Hardware		16,558.00	$12,485				$0		$0
2. Project Management Administration			$256		$0				
3. Engineering Support (1)			$5,093		$0				
4. Fielding			$4,019		$99				
TOTAL			$21,853		$99				

(1) Includes prime contractor for software support

BUDGET PROCUREMENT HISTORY AND PLANNING EXHIBIT (P-5A)										A. DATE February 1995
B. APPROPRIATION/BUDGET ACTIVITY Other Procurement, Army 2 - Comm and Electronics Equipment						C. P-1 ITEM NOMENCLATURE Forward Entry Device (FED) BZ9851				
Cost Element/ FISCAL YEAR	CONTRACTOR	CONTRACT METHOD AND TYPE	CONTRACTED BY	AWARD DATE	DATE OF FIRST DELIVERY	QUANTITY	UNIT COST	SPECS AVAIL NOW	SPEC REV REQ'D	IF YES, WHEN AVAIL
FY 94	MILTOPE Melville, NY	C/OPTION	CECOM	JAN 94	JUL 94	754	$16,558	YES		
D. REMARKS										

PRODUCTION SCHEDULE (EXHIBIT P-21)	DATE	REQUIREMENTS CONTROL SYMBOL
	February 1995	DD-COMP (AR) 1092

APPROPRIATION/BUDGET ACTIVITY	P-1 ITEM NOMENCLATURE
Other Procurement, Army 2- Comm and Electronics Equipment	Forward Entry Device (FED) (BE9851)

FACIL NO.	U/M	SERV	FY	FY	FY	FY	FY	ACCPT PRIOR TO 1 OCT 93	BAL DUE AS OF 1 OCT 93	FISCAL YEAR 1994														FISCAL YEAR 1995												FISCAL YEAR 1996												LATER
										CALNDR YR 93			CALENDAR YEAR 1994												CALENDAR YEAR 1995												CALENDAR YEAR 1996											
			93/ Prior	94	95	96				OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	
1	ea	A	2501					2400	101	101																																					
1	ea	A		754				0	754				A						200	200	200	154																									
			TOTAL MONTHLY PRODUCTION					2400	855				0	0	0	0	0	0	200	200	200	154	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	

FAC NO	MANUFACTURER'S NAME AND LOCATION	PRODUCTION RATES MIN	1-8-5	MAX	MO TO MAX AFT D DAY
1	MILTOPE Melville, NY	60	200	840	6

PROCUREMENT LEAD TIME	ADMIN LEAD TIME PRIOR 1 OCT	ADMIN LEAD TIME AFTER 1 OCT	PRODUCTION	TOTAL AFTER 1 OCT
INITIAL		1	6	7
REORDER		1	6	7

REMARKS:

THE FED IS A COMMERCIAL ITEM BEING PROCURED OFF
THE COMMON HARDWARE/SOFTWARE CONTRACT DAAB07-88-C-J015

P-1 LINE NO.____ PAGE NO 4 OF 4 PAGES

REPLACES DRSMC FORM 966, 1 JAN 84, WHICH MAY NOT BE USED.

REPORTS CONTROL SYMBOL
DD-COMP(AR) 1092

BUDGET ITEM JUSTIFICATION SHEET

DATE FEBRUARY 1995

APPROPRIATION /BUDGET ACTIVITY
Other Procurement: Army 2
Communications and Electronics Equipment

P-1 ITEM NOMENCLATURE
COMMON HARDWARE AND SOFTWARE (BZ9860)

	FY 94	FY 95	FY 96	FY 97	FY 98	FY 99	FY 00	FY 01
QUANTITY	0	0	0	0	0	0	0	0
COST (IN MILLIONS)	18.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

DESCRIPTION: Common Hardware/Software (CHS) is the Army's program to equip all five Battlefield Functional Areas (BFAs) of the Army Tactical Command and Control System (ATCCS), Corps to foxhole, with common hardware/software. The overall goal is to improve interoperability and lower life cycle costs by standardizing Battlefield Command and Control (C2) automation through centralized buys of non-developmental items, standard protocol and reusable software. Four hardware versions are available to meet the specific needs of each BFA; handheld, portable, transportable, and Lightweight Computer Unit (LCU).

JUSTIFICATION: FY96/97: N/A

IDENT CODE A

WEAP[redacted]YSTEM COST ANALYSIS			A. APPROPRIATION/BUDGET[redacted]			B.WEAPON MODEL/		C. MANUFACTURER NAME			D. DAT[redacted]	
EXHIBIT (P-5)			ACTIVITY TITLE NO. (BZ9860)			SERIES/ POPULAR NAME		PLANT CITY/STATE LOCATION			MONTH/YEAR	
			Other Procurement: OPA 2			Common Hardware/		TBS			February 1995	
			Communications and Electronics			Software						
			Equipment									
Weapon System	Ident	FY94	QTY	FY95	QTY	FY96	QTY	FY97	QTY			
Cost Elements	Code	Unit Cost	Total Cost	Unit Cost	Total Cost	Unit Cost	Total Cost	Unit Cost	Total Cost			
1. Common Hardware/Software	A		$18,000									
Engineering Support												
GROSS P-1 END COST			$18,000									
						UNCLASSIFIED				Page 2 of	3	

BUDGET PROCUREMENT HISTORY AND PLANNING EXHIBIT (P-5A)

A. DATE: FEBRUARY 1995

B: Appropriation/Budget Activity: Other Procurement Army 2 Communications and Electronics Equipment

C: P-1 Item Nomenclature: Common Hardware/Software

COST ELEMENT/ FISCAL YEAR	CONTRACTOR AND LOCATION	CONTRACTOR METHOD & TYPE	CONTRACTED BY	AWARD DATE	DATES OF FIRST DELIVERY	QUANTITY	UNIT COST	SPECS AVAILABLE NOW	SPEC REV REQ'D	IF YES WHEN AVAILABLE
FY1994	TBS	C/FP	CECOM	Mar-95	May 95 (V1)	N/A	N/A	YES	NO	
					Jan 96 (V2)					

D. REMARKS: FY94 FUNDS ARE SPECIFICALLY PROVIDED TO PAY FOR THE NON-RECURRING COSTS OF THE COMMON HARDWARE/SOFTWARE CONTRACT TO BE AWARDED MARCH 1995.

REPORTS CONTROL SYMBOL
DD-COMP(AR)1092

BUDGET ITEM JUSTIFICATION SHEET

DATE: February 1995

APPROPRIATION / BUDGET ACTIVITY
OTHER PROCUREMENT, ARMY 2 -
COMM AND ELECTRONICS EQUIPMENT

P-1 ITEM NOMENCLATURE

LIFE CYCLE SOFTWARE SUPPORT (LCSS)

(BD3955)

	FY 94	FY 95	FY 96	FY 97	FY 98	FY 99	FY 00	FY 01
QUANTITY								
COST(IN MILLIONS)	1.8	1.7	2.1	2.1	2.1	1.6	1.0	2.0

DESCRIPTION: LIFE CYCLE SOFTWARE ENGINEERING (LCSE) SUPPORT, BY THE SOFTWARE ENGINEERING DIRECTORTE (SED), PROVIDES THE ESSENTIAL SERVICES NEEDED TO MAINTAIN CECOM MANAGED FIELDED BATTLEFIELD AUTOMATED SYSTEMS (BAS) IN A STATE OF OPERATIONAL READINESS. THE MOBILE SUBSCRIBER EQUIPMENT, MANEUVER CONTROL SYSTEMS, FIREFINDER, TACFIRE, TRITAC SWITCHES, REGENCY NET, AND INTELLIGENCE/ELECTRONIC WARFARE SYSTEMS ARE SOME OF THE 221 BASs SUPPORTED BY THE SED 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 A STATE OF OPERATIONAL READINESS.

JUSTIFICATION: FY 96 WILL CONTINUE AN INCREASE IN THE DATA STORAGE CAPACITY AND THE COMPUTER PROCESSING CAPABILITY OF MULTI-HOST COMPUTER SYSTEMS REQUIRED TO MAINTAIN OPERATIONAL READINESS OF DEPLOYED BASs, IN SUPPORT OF THE SOLDIER IN THE FIELD. THIS INCREASE IN CAPACITY AND CAPABILITY REQUIREMENTS WILL CONTINUE THROUGH FY 97 AND WILL BE AN INCREASE IN THE NEED TO PROVIDE PROGRAMMING SECURITY, CONFIGURATION MANAGEMENT, TEST BEDS, NETWORKS, SOFTWARE DEVELOPMENT TOOLS, AND COMPUTER SYSTEMS USED TO MAINTAIN HOST SYSTEM SOFTWARE. IN ADDITION, THERE WILL BE AN INCREASED NEED TO CORRECT LATENT APPLICATION SOFTWARE DEFECTS AND 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 SED PERFORMING ITS MISSION OVER A COMTINUOUS 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 THE 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.

WEAPON SYSTEM COST ANALYSIS EXHIBIT (P-5)		A. APPROPRIATION NO. Other Procurement, Army 2 - Comm and Electronics Equipment			B. WEAPON MODEL/SERIES/POPULAR NAME LIFE CYCLE SOFTWARE SUPPORT (LCSS) (BD3955)						C.MANUF Numerous See P5a	D. DATE February 1995	
WEAPONS SYSTEM COST ELEMENTS	IDENT CODE	FY94 UNIT COST	FY94 QTY	FY94 TOTAL COST	FY95 UNIT COST	FY95 QTY	FY95 TOTAL COST	FY96 UNIT COST	FY96 QTY	FY96 TOTAL COST	FY97 UNIT COST	FY97 QTY	FY97 TOTAL COST
SYSTEM UPGRADE			5	1,264		5	846		6	1,564		5	1,274
S/W TOOLS			1	365		2	489		1	351		2	487
S/W STORAGE			1	117					1	117			
DIGITAL OSCILLOSCOPE			2	64					2	64			
S/W PROGRAMMER						4	280					4	280
UNIVERSAL TAPE						1	70					1	70
TOTALS			9	1,810		12	1,685		10	2,096		12	2,111

ITEM No. 86

BUDGET PROCUREMENT HISTORY AND PLANNING EXHIBIT (P-5A)

A. DATE: February 1995

B. APPROPRIATION/BUDGET ACTIVITY: Other Procurement, Army 2 - Comm and Electronics Equipment

C. P-1 ITEM NOMENCLATURE: LIFE CYCLE SOFTWARE SUPPORT (LCSS) (BD3955)

LINE ITEM/FISCAL YEAR	CONTRACTOR & LOCATION	CONTRACT METHOD AND TYPE	CONTRACTED BY	AWARD DATE	DATE OF FIRST DELIVERY	QTY	UNIT COST	SPECS AVAIL NOW	SPEC REVIS REQD	IF YES, WHEN AVAIL
94										
VAXCLUSTER HSC 50 UPGRADE	TELOS	C/TM	CECOM	Feb 94	May 94	1	204,000	YES	NO	
VAX LAN ULTRIX UPGRADE	TELOS	C/TM	CECOM	Mar 94	Jun 94	1	241,500	YES	NO	
ETHERNET UPGRADE	FT. SILL	C/FP	CECOM	Feb 94	May 94	1	300,000	YES	NO	
S/ DEVELOP TOOLS	NATIONS	C/TM	CECOM	Feb 94	May 94	1	365,000	YES	NO	
ENVIRONMENT UPGRADE	ILEX	C/TM	CECOM	Feb 94	May 94	1	300,000	YES	NO	
DOCUMENT STORAGE	WHITTAKER	C/TM	CECOM	Mar 94	Jun 94	1	117,000	YES	NO	
RSS UPGRADE/ HOST	ARINC	C/TM	CECOM	Feb 94	May 94	1	218,500	YES	NO	
DIGITAL OSCILLOSCOPE	GTE	C/TM	CECOM	Feb 94	May 94	2	32,000	YES	NO	

D. REMARKS:

BUDGET PROCUREMENT HISTORY AND PLANNING EXHIBIT (P-5A)

A. DATE
February 1995

B. APPROPRIATION/BUDGET ACTIVITY
Other Procurement, Army 2 - Comm and Electronics Equipment

C. P-1 ITEM NOMENCLATURE
LIFE CYCLE SOFTWARE SUPPORT (LCSS) (BD3955)

LINE ITEM/FISCAL YEAR	CONTRACTOR & LOCATION	CONTRACT METHOD AND TYPE	CONTRACTED BY	AWARD DATE	DATE OF FIRST DELIVERY	QTY	UNIT COST	SPECS AVAIL NOW	SPEC REVIS REQD	IF YES, WHEN AVAIL
95										
IBM 4341 UPGRADE	TBS	C/FP	CECOM	Nov 94	Feb 95	1	100,000	YES	NO	
PCB/BOX LVL PROGRAMMERS	TBS	C/FP	CECOM	Feb 95	May 95	4	70,000	YES	NO	
S/W DEVELOPMENT TOOLS	TBS	C/FP	CECOM	Feb 95	May 95	2	244,500	YES	NO	
S/W DELOPMENT ENVIR UPGRADE	TBS	C/FP	CECOM	Mar 95	Jun 95	3	202,000	YES	NO	
ETHERNET UPGRADE H/W	TBS	C/FP	CECOM	Mar 95	Jun 95	1	140,000	YES	NO	
UNIVERSAL TAPE REPLICA	TBS	C/FP	CECOM	Feb 95	May 95	1	70,000	YES	NO	

D. REMARKS:

BUDGET PROCUREMENT HISTORY AND PLANNING EXHIBIT (P-5A)

A. DATE
February 1995

B. APPROPRIATION/BUDGET ACTIVITY
Other Procurement, Army 2 - Comm and Electronics Equipment

C. P-1 ITEM NOMENCLATURE
LIFE CYCLE SOFTWARE SUPPORT (LCSS) (BD3955)

LINE ITEM/FISCAL YEAR	CONTRACTOR & LOCATION	CONTRACT METHOD AND TYPE	CONTRACTED BY	AWARD DATE	DATE OF FIRST DELIVERY	QTY	UNIT COST	SPECS AVAIL NOW	SPEC REVIS REQD	IF YES, WHEN AVAIL
96										
VAXCLUSTER HSC 50 UPGRADE	TELOS	C/TM	CECOM	Feb 96	May 96	1	204,000	YES	NO	
VAX LAN ULTRIX UPGRADE	TBS	C/TM	CECOM	Mar 96	Jun 96	1	241,500	YES	NO	
ETHERNET UPGRADE	TBS	C/FP	CECOM	Feb 96	May 96	1	300,000	YES	NO	
S/W DEVELOPMENT TOOLS	TBS	C/TM	CECOM	Feb 96	May 96	1	351,000	YES	NO	
ENVIRONMENT UPGRADE	ILEX	C/TM	CECOM	Feb 96	May 96	1	300,000	YES	NO	
DOCU STORAGE	TBS	C/TM	CECOM	Mar 96	Jun 96	1	117,000	YES	NO	
RSS UPGRADE/HOST	ARINC	C/TM	CECOM	Feb 96	May 96	1	218,500	YES	NO	
MULTI-TADIL UPGRADE	TBS	C/TM	CECOM	Mar 96	Jun 96	1	300,000	YES	NO	
DIGITAL OSCILLOSCOPE	GTE	C/TM	CECOM	Feb 96	May 96	2	32,000	YES	NO	

D. REMARKS:

BUDGET PROCUREMENT HISTORY AND PLANNING EXHIBIT (P-5A)

A. DATE: February 1995

B. APPROPRIATION/BUDGET ACTIVITY: Other Procurement, Army 2 - Comm and Electronics Equipment

C. P-1 ITEM NOMENCLATURE: LIFE CYCLE SOFTWARE SUPPORT (LCSS) (BD3955)

LINE ITEM/FISCAL YEAR	CONTRACTOR & LOCATION	CONTRACT METHOD AND TYPE	CONTRACTED BY	AWARD DATE	DATE OF FIRST DELIVERY	QTY	UNIT COST	SPECS AVAIL NOW	SPEC REVIS REQD	IF YES, WHEN AVAIL
97										
IBM 4341 UPGRADE	TBS	C/FP	CECOM	Nov 96	Feb 97	1	200,000	YES	NO	
S/W DEVELOPMENT ENVIR UPGRADE	TBS	C/FP	CECOM	Mar 97	Jun 97	3	302,000	YES	NO	
ETHERNET UPGRADE H/W	TBS	C/FP	CECOM	Mar 97	Jun 97	1	168,000	YES	NO	
S/W DEVELOPMENT TOOLS	TBS	C/FP	CECOM	Feb 97	May 97	2	243,500	YES	NO	
PCB/BOX LVL PROGRAMMERS	TBS	C/FP	CECOM	Feb 97	May 97	4	70,000	YES	NO	
UNIVERSAL TAPE REPLICA	TBS	C/FP	CECOM	Feb 97	May 97	1	70,000	YES	NO	

D. REMARKS:

BUDGET ITEM JUSTIFICATION SHEET

DATE: February 1995

APPROPRIATION/BUDGET ACTIVITY: Other Procurement, Army 2 – Communications and Electronics Equipment

P-1 ITEM NOMENCLATURE: LOGTECH (BZ8889)

	FY94	FY95	FY96	FY97	FY98	FY99	FY00	FY01
QUANTITY								
COST *(In Millions)*	$ 3.5	$ 4.6	4.5	$ 4.6	$ 3.6	$ 3.6	$ 4.9	$ 4.9

DESCRIPTION:

LOGTECH or Automatic Identification Technology (AIT) consists of various barcode scanning devices (both batch collection and radio frequency based), barcode label and page printers, and various data carrier devices with their associated readers and writers. These data carrier devices include optical laser cards, integrated circuit chip cards (smart cards) and PC memory cards. AIT devices are used with automated logistics systems to facilitate and expedite the functions of receiving, distribution, storage, inventory management and property 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 across the Services.

JUSTIFICATION:

FY96 and FY97 fieldings support Depot Systems Command, Major Commands, the DoD LOGMARS program and Army STAMIS with Portable Data Collection Devices and printers, Radio Frequency Portable Data Collection Device Networks and Automated Manifest System. Funds will continue these initiatives essential to satisfy logistics requirements in the tactical and non-tactical arenas.

(Identification Code A)

WEAPON SYSTEM COST ANALYSIS EXHIBIT (P-5)	A. APPROPRIATION NO. OPA 2 - Communications and Electronics Equipment				B. WEAPON MODEL/SERIES/POPULAR NAME LOGTECH (BZ8889)				C. MANUF. Numerous See 5a.			D. DATE February 1995		
	IDENT.	FY94			FY95			FY96			FY97			
WEAPON SYSTEM COST ELEMENTS	CODE	Unit Cost	Qty	Total Cost	Unit Cost	Qty	Total Cost	Unit Cost	Qty	Total Cost	Unit Cost	Qty	Total Cost	
PDCD*	A	2	1,156	1,929	2	685	1,144	2	365	609	2	360	601	
Barcode Printer (BCP)**	A	2	830	1,560	2	421	792	2	244	460	2	244	460	
COM Devices & Modems***	A	***	22	11	0		0							
RFPDCD NETWORK****	A				22	100	2,200	22	128	2,820	22	130	2,860	
Automated Manifest System*****	A				5	100	500	5	128	645	5	130	650	
TOTAL				3,500			4,636			4,534			4,571	

*PORTABLE DATA COLLECTION DEVICE - UNIT COST $1,668.00
**BCP UNIT COST $1,880.00
***COMM DEVICES - UNIT COST $500.00
****RADIO FREQUENCY PORTABLE DATA COLLECTION DEVICE NETWORK UNIT COST $22,000.00
*****AUTOMATED MANIFEST SYSTEM-UNIT COST $[illegible],000.00

BUDGET PROCUREMENT HISTORY AND PLANNING EXHIBIT (P-5A)

A. DATE: February 1995

B. APPROPRIATION/BUDGET ACTIVITY: Other Procurement, Army 2 - Communications and Electronics Equipment

C. P-1 ITEM NOMENCLATURE: LOGTECH (BZ8889)

LINE ITEM/FISCAL YEAR	CONTRACTOR	CONTRACT METHOD AND TYPE	CONTRACTED BY	AWARD DATE	DATE OF FIRST DELIVERY	QTY	UNIT COST	SPECS AVAILABLE NOW	SPEC REV REQ'D	IF YES, WHEN AVAILABLE
DCD*										
FY94	INTERMEC	C/FP	ISSAA	MAR 94	JUL 94	1,156	2	YES		
FY95	INTERMEC	OPTION	ISSAA	MAY 95	AUG 95	685	2	YES		
FY96	INTERMEC	OPTION	ISSAA	DEC 95	MAR 96	365	2	YES		
FY97	INTERMEC	OPTION	ISSAA	DEC 96	MAR 97	360	2	YES		
BAR CODE PRINTER**										
FY94	INTERMEC	C/FP	ISSAA	MAR 94	JUL 94	830	2	YES		
FY95	INTERMEC	OPTION	ISSAA	MAY 95	AUG 95	421	2	YES		
FY96	INTERMEC	OPTION	ISSAA	DEC 95	MAR 96	244	2	YES		
FY97	INTERMEC	OPTION	ISSAA	DEC 96	MAR 97	244	2	YES		
COM DEVICES & MODEMS***										
FY94	INTERMEC	C/FP	ISSAA	MAR 94	JUL 94	22	***	YES		
RFPDCD NETWORK****										
FY95	INTERMEC	OPTION	ISSAA	MAY 95	AUG 95	100	22	YES		
FY96	INTERMEC	OPTION	ISSAA	DEC 95	MAR 96	128	22	YES		
FY97	INTERMEC	OPTION	ISSAA	DEC 96	MAR 97	130	22	YES		

D. REMARKS

*Portable Data Collection Device (PDCD) - Unit Cost $1,668.00.

**Barcode Printer (BCP) - Unit cost $1,880.00.

***Comm Devices & Modems - Unit Cost $500.00.

****Radio Frequency Portable Data Collection Device (RFPDCD) Network - Unit Cost $22,000.00.

INTERMEC, Seattle, WA

P-1 SHOPPING LIST ITEM NO. 87

BUDGET PROCUREMENT HISTORY AND PL[redacted]NG EXHIBIT (P-5A)

A. DATE: Septemb[redacted]994

B. APPROPRIATION/BUDGET ACTIVITY: Other Procurement, Army 2 - Communications and Electronics Equipment

C. P-1 ITEM NOMENCLATURE: LOGTECH (BZ8889)

LINE ITEM/FISCAL YEAR	CONTRACTOR	CONTRACT METHOD AND TYPE	CONTRACTED BY	AWARD DATE	DATE OF FIRST DELIVERY	QTY	UNIT COST	SPECS AVAILABLE NOW	SPEC REV REQ'D	IF YES, WHEN AVAILABLE
Automated Manifest System										
FY95	INTERMEC	OPTION	ISSAA	MAY 95	AUG 95	100	5	YES		
FY96	INTERMEC	OPTION	ISSAA	DEC 96	MAR 96	128	5	YES		
FY97	INTERMEC	OPTION	ISSAA	DEC 95	MAR 97	130	5	YES		

D. REMARKS

*Portable Data Collection Device (PDCD) - Unit Cost $1,668.00.
**Barcode Printer (BCP) - Unit cost $1,880.00.
***Comm Devices & Modems - Unit Cost $500.00.
****Radio Frequency Portable Data Collection Device (RFPDCD) Network - Unit Cost $22,000.00.
*****Automated Manifest System-Unit Cost $5000.00
INTERMEC, Seattle, WA

P-1 SHOPPING LIST
ITEM NO. 87

REPORTS CONTROL SYMBOL
DD-COMP(AR)1092

BUDGET ITEM JUSTIFICATION SHEET

DATE February 1995

APPROPRIATION / BUDGET ACTIVITY
Other Procurement: Army 2
Communications and Electronics Equipment

P-1 ITEM NOMENCLATURE

ISYSCON EQUIPMENT (BX0007)

	FY 94	FY 95	FY 96	FY 97	FY 98	FY 99	FY 00 / 01
QUANTITY							
COST(IN MILLIONS)	.1	0.0	13.2	10.2	11.8	11.8	5.0 / 0.0

DESCRIPTION:
Integrated System Control (ISYSCON) will provide an automated method for managing the tactical communication network, establish an interface with each technical control facility and other non-signal management in the ATCCS architecture, and enable automation assisted configuration and management of a dynamic battlefield. The major functions of ISYSCON are network planning, signal command and control, spectrum management, wide area network management and COMSEC management.

JUSTIFICATION:
The need for an ISYSCON was reinforced during Operation Desert Storm. The current system control (AN/MSC 31 or AN/MSC-32) provides a manual and labor intensive capability which is not adequate to perform timely and effective synchronization of communication systems to meet C3I requirements of automated command and control systems. FY 96 dollars fund the production efforts associated with the ISYSCON program. ISYSCON production includes system enhancements to already fielded Mobile Subscriber Equipment (MSE) Network Management Tool (NMT) hardware. Modification kits consists of NDI hardware.
FY 97 funds continues the production efforts for the ISYSCON program.

(IDENT CODE B)

WEAPON SYSTEM COST ANALYSIS EXHIBIT (P-5)		A. APPROPRIATION NO. OPA2 - Communications and Electronics Equipment			B. WEAPON MODEL/SERIES/POPULAR NAME ISYSCON EQUIPMENT						C.MANUF Numerous See P5a	D. DATE February 1995	
WEAPONS SYSTEM COST ELEMENTS	IDENT CODE	FY94 UNIT COST	FY94 QTY	FY94 TOTAL COST	FY95 UNIT COST	FY95 QTY	FY95 TOTAL COST	FY96 UNIT COST	FY96 QTY	FY96 TOTAL COST	FY97 UNIT COST	FY97 QTY	FY97 TOTAL COST
1. RETRO FIT KITS GOVT/CONT FURNISHED EQUIPMENT	B			58				451,270	22	9,928	509,820	11	5,608
2. GOVT/CONT ENGINEERING										1,800			2,594
3. ENGINEERING CHANGE PROP										30			473
3. FIELDING / NET										1,056			1,023
4. SPARES										364			530
Unit costs are an average of the ISYSCON (v)1 and (v)2													
			0	58		0	0		22	13,178		11	10,228

BUDGET PROCUREMENT HISTORY AND PLANNING EXHIBIT (P-5A)

A. DATE: February 1995

B. APPROPRIATION/BUDGET ACTIVITY: Other Procurement, Army 2 - Communications and Electronics Equipment

C. P-1 ITEM NOMENCLATURE: ISYSCON EQUIPMENT

LINE ITEM/FISCAL YEAR	CONTRACTOR & LOCATION	CONTRACT METHOD AND TYPE	CONTRACTED BY	AWARD DATE	DATE OF FIRST DELIVERY	QTY	UNIT COST	SPECS AVAIL NOW	SPEC REVIS REQD	IF YES, WHEN AVAIL
1. RETRO FIT KITS FY 1996	TBS	TBS	CECOM	Apr 96	Oct 96	22	451,270	NO		
FY 1997	TBS	TBS	CECOM	Dec 96	Jun 97	11	509,820	NO		

D. REMARKS:

The ISYSCON program has recently been restructured. The PM is currently pursuing type classification - standard to accelerate the production of ISYSCON in order to meet the early fielding requirement imposed by Signal Center and DCSOPS.

Contract data is undefined at this time and will be definitized when type classification is approved (FY 96).

Unit costs are an average of the ISYSCON (v)1 and (v)2

CODE "B" ITEM DESCRIPTION

DATE February 1995

REPORT CONTROL SYMBOL
DD-COMP(A)1092

APPROPRIATION / BUDGET ACTIVITY
Other Procurement: Army 2
Communications and Electronics Equipment

P-1 ITEM NOMENCLATURE

ISYSCON EQUIPMENT (BX0007)

CURRENT DEVELOPMENT AND TEST STATUS

		SCHEDULE DATE		
		CURRENT	LAST REPORTED	REASON FOR DELAY
DEV TEST & EVAL (DT&E)	PLAN/ACTUAL	JAN 96	OCT 95	Acceleration is due to the integration of the NMT and ISYSCON programs under the Network Management Improvement Plan (NMIP).
INITIAL OPER TEST & EVAL (IOT&E)	PLAN/ACTUAL			
OPER TEST & EVAL (OT&E)	PLAN/ACTUAL	MAR 96	SEP 96	
AVAIL DATE OF TECH DATA PKG (TDP) OR PERFORMANCE SPECIFICATIONS				

ESTIMATED DATE OF APPROVAL FOR SERVICE USE APR 96

EQUIPMENT ITEM(S) TO BE REPLACED

NMT, CSCE, AN/MSC-31 and 32

EXTENT OF IMPROVEMENT OVER ITEM(S) EQUIPMENT TO BE REPLACED

DEVELOPMENT CONTRACT INFORMATION

RDT&E FUNDING PROFILE ($ IN MILLIONS)

CONTRACTOR NAME	PLANT LOCATION	COMPONENT	THRU PYR	CY	BY1	BY2	BEYOND BY'S
GTE	RALEIGH-DURHAM, NC		28344	19206	13368	15232	27216
TOTAL RDT&E FUNDING			28344	19206	13368	15232	27216

REMARKS DEVELOPMENT AND OPERATIONAL TESTS ARE BEING CONDUCTED ON PHASE 1 and 2 SOFTWARE

UNCLASSIFIED

REPORT CONTROL SYMBOL
DD-COMP(AR)1092

PRODUCTION SCHEDULE

DATE February 1995

APPROPRIATION / BUDGET ACTIVITY
Other Procurement: Army 2
Communications and Electronics Equipment

P-1 ITEM NOMENCLATURE

ISYSCON EQUIPMENT (BX0007)

FACILITY NO	U/M	SERV	PROGRAM QUANTITY FY 94	FY 95	FY 96	FY 97	FY 98	FY 99	ACCEPT PRIOR TO 1 OCT	BAL DUE AS OF 1 OCT	FISCAL YEAR 96 / CALENDAR YEAR 96 OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1		A			22					22							A					
1		A				11				11												
TOTAL MONTHLY PRODUCTION									0	33	0	0	0	0	0	0	0	0	0	0	0	0

FISCAL YEAR 97 / CALENDAR YEAR 97 OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
	2	2	2	2	3	3	3	3	2	2	2
			A					2			
0	2	2	2	2	3	3	3	5	2	2	2

FISCAL YEAR 98 / CALENDAR YEAR 98 OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	LATER
3												0
												0
0	0	0	0	0	0	0	0	0	0	0	0	0

FACILITY NO	MANUFACTURERS NAME & LOCATION	PRODUCTION RATES MINIMUM	1-3-5	MAXIMUM	MONTHS TO REACH MAX AFTER D DAY
1	TBS	2	3	5	

PROCUREMENT LEAD TIME	ADMIN LEAD TIME PRIOR 1 OCT	ADMIN LEAD TIME AFTER 1 OCT	MANUFACTURING TIME	TOTAL AFTER 1 OCT
INITIAL		3	6	9
REORDER				

REMARKS

P-1 SHOPPING LIST
ITEM NO 68 PAGE NO 5 OF 5

DD Form 2445, JUL 87

UNCLASSIFIED

BUDGET ITEM JUSTIFICATION SHEET					DATE February 1995			
APPROPRIATION/BUDGET ACTIVITY - Other Procurement, Army 2, Communications and Electronics Equipment					P-1 ITEM NOMENCLATURE MANEUVER CONTROL SYSTEM (MCS) (BA9320)			
	FY 94	FY 95	FY 96	FY 97	FY 98	FY 99	FY 00	FY01
QUANTITY			152	165	190	193	351	436
COST (In Millions)	0	0	13.9	15.9	16.9	19.9	24.9	39.8

DESCRIPTION:

The Maneuver Control System (MCS) is an automated tactical command and control (C2) 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 operations staffs, G3/S3, to process and distribute estimates, plans, orders and reports. The system is designed to operate with existing and planned communications networks. This is an evolutionary development including preplanned system improvements to insure increasing C2 capabilities and infusion of current technology while, in the interim, providing an essential core capability.

JUSTIFICATION:

MCS is the key to the commander's situational awareness and common picture of the battlefield. It will incorporate all fire support, intelligence, air defense, logistics, and maneuver information concerning friendly and enemy forces, and then allow the commander to make decisions, issue orders, allocate resources, and fight the battle.

The MCS Common Hardware/Software (CHS) equipment is needed to equip the active force with an automated C2 capability. This program is an integral part of the Army Tactical Command and Control System (ATCCS) and is critical to the successful operation of the overall system. This generation of computers will incorporate advancements in technology and achieves Life Cycle Cost savings due to commonality of support.

FY 96 funding of $13.8M will be required to proceed toward a Low Rate Initial Production (LRIP) decision to procure CHS-2 hardware hardware to be used for subsequent testing and the MCS Initial Operational Test and Evaluation (IOT&E) which supports Force XXI.

FY 97 funding of $15.9M will be required to purchase and field the 82nd Airborne.

WEAPON SYSTEM COST ANALYSIS EXHIBIT (P-5)		A. Appropriation/Budget Activity Other Procurement, Army 2, Communications Electronics Equipment		B. WEAPON MANEUVER CONTROL SYSTEM (MCS) (BA9320)			C. MANUFACTURER NAME PLANT CITY/STATE LOCATION SEE P-5A		D. DATE February 1995
Weapon System Cost Elements	Ident. Code	FY94 Unit Cost	(Qty) Total Cost	FY95 Unit Cost	(Qty) Total Cost	FY96 Unit Cost	(Qty) Total Cost	FY97 Unit Cost	(Qty) Total Cost
1. HARDWARE	B								
a. CHS-2 COMPUTER						$91	(85) $7,713	$95	(80) $7,598
Peripherals b. LARGE SCREEN DISPLAY (LSD)						$15	(13) $197	$17	(18) $299
2. PROJECT MANAGEMENT ADMIN.	B						$1,205		$1,241
3. FIELDING	B								
a. NEW EQUIPMENT TRAINING TEAM (NETT)							$2,566		$2,605
b. 1ST DESTINATION TRANSPORTATION							$354		$411
c. TOTAL PACK FIELD (TPF)							$471		$563
4. INTERIM CONTRACTOR SUPPORT (ICS)	B						$391		$1,612
5. OTHER CHS 2 Support Costs Includes: MCS Data and Integration, Common ATCCS Logistics & Maintenance Req, Integration & Assembly for SICPS	B						$911		$1,564
TOTAL							$13,808		$15,893

NOTE: QUANTITIES HAVE BEEN ADJUSTED TO REFLECT CURRENT PROGRAM STRUCTURE

BUDGET PROCUREMENT HISTORY AND PLANNING (P-5A)

A. DATE: February 1995

B. APPROPRIATION/BUDGET ACTIVITY - Other Procurement, Army 2, Communications and Electronics Equipment

C. P-1 ITEM NOMENCLATURE: MANEUVER CONTROL SYSTEM (MCS) (BA9320)

Cost Element/ FISCAL YEAR	CONTRACTOR AND LOCATION	CONTRACT METHOD & TYPE	CONTRACTED BY	AWARD DATE	DATE OF FIRST DELIVERY	QUANTITY	UNIT COST	SPECS AVAIL NOW	SPEC REV REQ'D	IF YES, WHEN AVAIL
FY94	N/A									
FY95	N/A									
FY96										
CHS-2 COMPUTER	TBS	C/Option	CECOM	Mar 96	Jul 96	85	$90,743	Yes		
Peripherals LSD	TBS	C/Option	CECOM	Mar 96	Jul 96	13	$15,136	Yes		
FY97										
CHS-2 COMPUTER	TBS	C/Option	CECOM	Jul 97	Nov 97	80	$94,975	Yes		
Peripherals LSD	TBS	C/Option	CECOM	Jul 97	Nov 97	18	$16,611	Yes		

D. REMARKS

- This is not a Multi-year procurement.
- Under current planning, delivery orders for MCS CHS hardware will be placed on the CHS-2 contract in FY96 and FY97.

FY-96 BUDGET PRODUCTION SCHEDULE

P-1 ITEM NOMENCLATURE: MANEUVER CONTROL SYSTEM (MCS) (BA9320)

DATE: February 1995

ITEM / MANUFACTURER / PROCUREMENT YEAR	SERV	PROC QTY	ACCPT PRIOR TO 1 OCT 1993	BAL DUE AS OF 1 OCT 1993	FY 1994 / CY 1994 OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	FY 1995 / CY 1995 OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	LATER
TCU UPGRADES CHS-1/MILTOPE CORP/FY-93	ARMY	279		279	54	76	75	75																					
CHS-2 /TBS/FY-96	ARMY	85		85																									85
CHS-2 /TBS/FY-97	ARMY	80		80																									80
LSD/TBS/FY-96	ARMY	13		13																									13
LSD/TBS/FY-97	ARMY	18		18																									18
TOTAL		475	0	475	54	76	75	75	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	199

MANUFACTURER'S NAME AND LOCATION	PRODUCTION RATES MINIMUM SUST.	1-6-6	MAXIMUM	REACHED D
MILTOPE CORP, MONTGOMERY, AL	25	200	600	4
TBS	N/A	N/A	N/A	N/A

PROCUREMENT LEAD TIME

	ADMIN LEAD TIME PRIOR	ADMIN LEAD TIME AFTER	MANU-FACTURING TIME	TOTAL AFTER
INITIAL				
REORDER (PREVIOUS SOURCE)	HCU 0	1	4	5

REMARKS

TCU Upgrades for ATCCS.

TCU Common Hardware has no breaks in production.

The TCUs, HCUs are commerical items being procured on the CHS contracts. The quantities shown do not represent total production line output.

DD FORM 2445, JUL 87 — Previous editions are obsolete. — P-1 SHOPPING LIST ITEM NO. 89

FY-96 BUDGET PRODUCTION SCHEDULE

P-1 ITEM NOMENCLATURE: MANEUVER CONTROL SYSTEM (MCS) (BA3320)

DATE: February 1995

ITEM / MANUFACTURER / PROCUREMENT YEAR	FISCAL YEAR 1996												FISCAL YEAR 1997												FISCAL YEAR 1998												LATER
				CALENDAR YEAR 1996												CALENDAR YEAR 1997												CALENDAR YEAR 1998										
	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	
TCU UPGRADES CHS-1/MELTOPE CORP/FY-93																																				
CHS-2 /TBS/FY-96						A				85																										
CHS-2 /TBS/FY-97																					A				80												
LSD/TBS/FY-96						A				13																										
LSD/TBS/FY-97																					A				18												
TOTAL	0	0	0	0	0	0	0	0	0	98	0	0	0	0	0	0	0	0	0	0	0	0	0	0	98	0	0	0	0	0	0	0	0	0	0	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	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	

REMARKS

UNCLASSIFIED

CODE "B" ITEM DESCRIPTION	DATE	REPORT CONTROL SYMBOL
	February 1995	DD-COMP(AR)1092

APPROPRIATION	ACTIVITY	P-1 ITEM NOMENCLATURE
Other Procurement, Army 2	Communications and Electronics Equipment	MANEUVER CONTROL SYSTEM (MCS) (BA9320)

1. CURRENT DEVELOPMENT AND TEST STATUS

		Schedule Date		
		Current	Last Reported	Reason For Delay
A. LIMITED USER TEST (LUT)	Planned	NOV 95	NONE	
B. LOW RATE INITIAL PROD (LRIP) Decision/Buy	Planned	MAR 96	NONE	
C. V 12.01 IOT&E	Planned	NOV 96	OCT 95	Continued delays in CHS-2 contract award
D. ASARC	Planned	JUN 97	MAR 96	Continued delays in CHS-2 contract award
E. MCS III DAB	Planned	JUN 97	APR 96	Continued delays in CHS-2 contract award
F. FUE/IOC	Planned	JUN 98	APR 97	Continued delays in CHS-2 contract award

2. ESTIMATED DATE OF APPROVAL FOR SERVICE USE — MCS MILESTONE III DAB - JUN 97

3. EQUIPMENT ITEM(S) TO BE SUPPLEMENTED

NDI (AN/UYQ-43 (V1) AND (V2))

4. EXTENT OF IMPROVEMENT OVER ITEM(S) OF EQUIPMENT TO BE REPLACED

PART OF ATCCS COMMON HARDWARE PROGRAM, THE NEXT GENERATION OF COMPUTERS WILL INCORPORATE ADVANCEMENTS IN TECHNOLOGY AND INCLUDE SAVINGS IN LIFE CYCLE COST DUE TO COMMONALITY OF SUPPORT.

5. DEVELOPMENT CONTRACT INFORMATION PE 0203740A /D484 — RDT&E FUNDING PROFILE ($ IN MILLIONS)

CONTRACTOR NAME (1)	PLANT LOCATION (2)	COMPONENT (3)	THROUGH PRIOR YEAR (4) FY-94	CURRENT YEAR (5) FY-95	BUDGET YEAR (6) FY-96	BEYOND BUDGET YEAR FY2001
LORAL C2 SYSTEM	COLORADO SPRINGS, CO	S/W DEV	$30.8	$0.0	$0.0	$0.0
MILTOPE CORPORATION	MONTGOMERY, AL	CHS-1	$7.4	$0.5	$0.0	$0.0
TBS	TBS	CHS-2	$0.0	$0.0	$1.8	$1.9
BLOCK IV (TBS)	TBS	S/W DEV & SE&I	$0.0	$0.0	$4.0	$55.7
CSC/MITRE/TELOS	EATONTOWN, NJ	S/W DEV	$18.1	$10.4	$7.0	$3.0
OTHER			$212.0	$6.1	$6.3	$24.7
TOTAL RDT&E FUNDING			$268.3	$17.0	$19.1	$85.3

6. REMARKS: .

BUDGET ITEM JUSTIFICATION SHEET

DATE: February 1995

APPROPRIATION/BUDGET ACTIVITY: Other Procurement, Army 2 – Communications and Electronics Equipment

P-1 ITEM NOMENCLATURE: STAMIS TACTICAL COMPUTERS (STACOMP) (W00800)

	FY94	FY95	FY96	FY97	FY98	FY99	FY00	FY01
QUANTITY								
COST *(In Millions)*	$ 31.6	$ 21.7	$ 23.5	$ 24.0	$ 24.2	$ 24.5	$25.9	$ 26.8

DESCRIPTION:

STAMIS Tactical Computers (STACOMP) are a group of Commercial-Off-the-Shelf (COTS)/Non-Developmental Item (NDI) computer systems. STACOMP systems support the Standard Army Management Information System (STAMIS) tactical computer requirements for the US Army. STACOMP systems are transportable and user friendly. These systems are used by soldiers on the battlefield to support CSS missions at all levels. STACOMP systems support the following STAMIS: Standard Army Retail Supply System (SARSS), Standard Army Ammunition System (SAAS), Standard Army Maintenance System (SAMS), Standard Property Book System-Redesign (SPBS-R), the Department of the Army Movements Management System-Redesign (DAMMS-R), the Unit Level Logistics System (ULLS) and Standard Installation Division Personnel System (SIDPERS).

JUSTIFICATION:

FY96 will procure COTS/NDI microcomputers for the logistic STAMIS SARSS, SAAS, SAMS, SPBS-R, DAMMS-R and ULLS; and STAMIS support systems.
FY97 will procure COTS/NDI microcomputers for SARSS, SAAS, SAMS, DAMMS-R, ULLS and STAMIS support systems.

(Idenfification Code A)

WEAPON SYSTEM COST ANALYSIS EXHIBIT (P-5)	A. APPROPRIATION NO. OPA 2 - Communications and Electronics Equipment	B. WEAPON SYSTEM MODEL/SERIES/POPULAR NAME STAMIS TACTICAL COMPUTERS (STACOMP) (W00800)	C. MANUF. Numerous See 5a.	D. DATE February 1995

WEAPON SYSTEM COST ELEMENTS	IDENT. CODE	FY94 Unit Cost	FY94 Qty	FY94 Total Cost	FY95 Unit Cost	FY95 Qty	FY95 Total Cost	FY96 Unit Cost	FY96 Qty	FY96 Total Cost	FY97 Unit Cost	FY97 Qty	FY97 Total Cost
NDI Microcomputers for:	A												
SAAS		VAR*	VAR*	1,488	VAR*	VAR*	2,000	VAR*	VAR*	3,477	VAR*	VAR*	2,683
SPBS-R		VAR*	VAR*	3,385	VAR*	VAR*	1,753	VAR*	VAR*	1,889	VAR*	VAR*	0
ULLS		VAR*	VAR*	8,946	VAR*	VAR*	600	VAR*	VAR*	5,233	VAR*	VAR*	8,939
DAMMS-R		VAR*	VAR*	2,830	VAR*	VAR*	600	VAR*	VAR*	3,674	VAR*	VAR*	1,988
SARSS		VAR*	VAR*	5,925	VAR*	VAR*	1,000	VAR*	VAR*	3,683	VAR*	VAR*	2,405
SAMS		VAR*	VAR*	235	VAR*	VAR*	600	VAR*	VAR*	5,315	VAR*	VAR*	7,747
SIDPERS		VAR*	VAR*	5,016	VAR*	VAR*	14,890			0			0
CAISI		VAR*	VAR*	2,705	VAR*	VAR*	0	VAR*	VAR*	0	VAR*	VAR*	0
STAMIS SUPPORT SYSTEMS		VAR*	VAR*	1,092	VAR*	VAR*	250	VAR*	VAR*	194	VAR*	VAR*	241
*VAR - Configurations vary by user requirement.													
TOTAL				31,622			21,693			23,465			24,003

BUDGET PROCUREMENT HISTORY AND PLANNING EXHIBIT (P-5A)

A. DATE: February 1995

B. APPROPRIATION/BUDGET ACTIVITY: Other Procurement, Army 2 - Communications and Electronics Equipment

C. P-1 ITEM NOMENCLATURE: STAMIS TACTICAL COMPUTERS (STACOMP) (W00800)

LINE ITEM/FISCAL YEAR	CONTRACTOR	CONTRACT METHOD AND TYPE	CONTRACTED BY	AWARD DATE	DATE OF FIRST DELIVERY	QTY	UNIT COST	SPECS AVAILABLE NOW	SPEC REV REQ'D	IF YES, WHEN AVAILABLE
NDI MICROCOMPUTER FOR:										
SARSS										
FY94	VAR*	C/FP	VAR*	APR 94	JUL 94	VAR**	VAR**	YES		
FY95	VAR*	C/FP	VAR*	MAR 95	JUN 95	VAR**	VAR**	YES		
FY96	VAR*	C/FP	VAR*	DEC 95	MAR 96	VAR**	VAR**	YES		
FY97	VAR*	C/FP	VAR*	DEC 96	MAR 97	VAR**	VAR**	YES		
SAMS										
FY94	VAR*	C/FP	VAR*	AUG 94	NOV 94	VAR**	VAR**	YES		
FY95	VAR*	C/FP	VAR*	MAR 95	JUN 95	VAR**	VAR**	YES		
FY96	VAR*	C/FP	VAR*	DEC 95	MAR 96	VAR**	VAR**	YES		
FY97	VAR*	C/FP	VAR*	DEC 96	MAR 97	VAR**	VAR**	YES		
SIDPERS										
FY94	VAR*	C/FP	VAR*	JUN 95	SEP 95	VAR**	VAR**	YES		
FY95	VAR*	C/FP	VAR*	JUN 95	SEP 95	VAR**	VAR**	YES		
STAMIS SUPPORT SYSTEMS										
FY94	VAR	C/FP	VAR*	JUN 94	SEP 94	VAR**	VAR**	YES		
FY95	VAR	C/FP	VAR*	FEB 95	MAY 95	VAR**	VAR**	YES		
FY96	VAR	C/FP	VAR*	DEC 95	MAR 96	VAR**	VAR**	YES		
FY97	VAR	C/FP	VAR*	DEC 96	DEC 96	VAR**	VAR**	YES		

D. REMARKS

*Standard Requirements Type Contracts will be used to procure these NDI microcomputers, such as Small Multiuser Computer (SMC), Lapheld II, STAMIS Computer Contract (SCC), etc.

**Configurations vary by user requirement.

*Contractors: Electronic Data Systems (EDS), Plano,TX; AT&T, Greensboro, NC; Sears Business Center, Vienna, VA; Sysorex Information Systems, Inc., Fairfax, VA; Planning Research Corp (PRC), McLean, VA.; Government Technology Services, Inc. (GTSI), Chantilly, VA; Zenith Data Systems (ZDS), Herndon, VA.

BUDGET PROCUREMENT HISTORY AND PL[illegible]NG EXHIBIT (P-5A)

A. DATE: Februar[illegible]

B. APPROPRIATION/BUDGET ACTIVITY: Other Procurement, Army 2 - Communications and Electronics Equipment

C. P-1 ITEM NOMENCLATURE: STAMIS TACTICAL COMPUTERS (STACOMP) (W00800)

LINE ITEM/FISCAL YEAR	CONTRACTOR	CONTRACT METHOD AND TYPE	CONTRACTED BY	AWARD DATE	DATE OF FIRST DELIVERY	QTY	UNIT COST	SPECS AVAILABLE NOW	SPEC REV REQ'D	IF YES, WHEN AVAILABLE
NDI MICROCOMPUTER FOR:										
SAAS										
FY94	VAR*	C/FP	VAR*	APR 94	JUL 94	VAR**	VAR**	YES		
FY95	VAR*	C/FP	VAR*	MAR 95	JUN 95	VAR**	VAR**	YES		
				AUG 95	NOV 95					
FY96	VAR*	C/FP	VAR*	DEC 95	MAR 96	VAR**	VAR**	YES		
FY97	VAR*	C/FP	VAR*	DEC 96	MAR 97	VAR**	VAR**	YES		
SPBS-R										
FY94	VAR*	C/FP	VAR*	APR 94	JUL 94	VAR**	VAR**	YES		
FY95	VAR*	C/FP	VAR*	APR 95	JUL 95	VAR**	VAR**	YES		
FY96	VAR*	C/FP	VAR*	DEC 95	MAR 96	VAR**	VAR**	YES		
ULLS										
FY94	VAR*	C/FP	VAR*	JUN 94	SEP 94	VAR**	VAR**	YES		
FY95	VAR*	C/FP	VAR*	MAY 95	AUG 95	VAR**	VAR**	YES		
FY96	VAR*	C/FP	VAR*	DEC 95	MAR 96	VAR**	VAR**	YES		
FY97	VAR*	C/FP	VAR*	DEC 96	MAR 97	VAR**	VAR**	YES		
CAISI										
FY94	VAR*	C/FP	VAR*	JUN 94	SEP 94	VAR**	VAR**	YES		
DAMMS-R										
FY94	VAR*	C/FP	VAR*	MAY 94	AUG 94	VAR**	VAR**	YES		
FY95	VAR*	C/FP	VAR*	MAY 95	AUG 95	VAR**	VAR**	YES		
FY96	VAR*	C/FP	VAR*	DEC 95	MAR 96	VAR**	VAR**	YES		
FY97	VAR*	C/FP	VAR*	DEC 96	MAR 97	VAR**	VAR**	YES		

D. REMARKS

*Standard Requirements Type Contracts will be used to procure these NDI microcomputers, such as Small Multiuser Computer (SMC), Lapheld II, STAMIS Computer Contract (SCC), etc.

**Configurations vary by user requirement.

*Contractors: Electronic Data Systems (EDS), Plano,TX; AT&T, Greensboro, NC; Sears Business Center, Vienna, VA; Sysorex Information Systems, Inc., Fairfax, VA; Planning Research Corp (PRC), McLean, VA.; Government Technology Services, Inc. (GTSI), Chantilly, VA; Zenith Data Systems (ZDS), Herndon, VA.

P-1 SHOPPING LIST
ITEM NO. 90

REPORTS CONTROL SYMBOL
DD-COMP(AR) 1092

BUDGET ITEM JUSTIFICATION SHEET

DATE FEBRUARY 1995

APPROPRIATION /BUDGET ACTIVITY
Other Procurement: Army 2
Communications and Electronics Equipment

P-1 ITEM NOMENCLATURE
STANDARDIZED INTEGRATED CMD POST SYSTEM
(SICPS) (BZ9962)

	FY 94	FY 95	FY 96	FY 97	FY 98	FY 99	FY 00	FY 01
QUANTITY	0	0	0	0	0	0	0	0
COST (IN MILILIONS)	0.0	9.5	28.9	27.4	27.6	24.8	19.9	14.9

DESCRIPTION: This program includes the procurement of six command post variants, each designed to accomodate the various Battlefield Functional Areas of the Army Tactical Command and Control System (ATCCS). These include the Maneuver Control System (MCS), the Advanced Field Artillery Tactical Data System (AFATDS), the Combat Service Support Control System (CSSCS), the Forward Area Air Defense Command and Control System (FAADC2), the Extended Air Defense Command and Control System (EAD), and the Integrated Meterological System (IMETS). The six command post variants are:

(1) A Tent Command Post (CP) that consists of a lightweight aluminum frame, interchangeable fabric wall sections, fabric roof, floor 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 Wheel Vehicle (HMMWV) Shelter Carrier consisting 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 accomodate two ATCCS workstations, an operator seat, a vehicular intercom system, and a 10 meter Quick Erect Antenna Mast (QEAM).

(3) Conversion Kits for the M577 Track Vehicle consisting of equipment racks for two ATCCS workstations, power and signal panels, tent interface panel, operator seats, antenna mounts, stowage provisions, an updated Auxilary Power Unit (APU), an updated vehicular intercom system, a power distribution system, a 10 meter QEAM, and signal/data wiring module. The converted M577 has been designated the M1068 Track CP.

(4) Installation Kits for the 5-Ton Expansible Van (E-Van) consisting of racks for up to six ATCCS 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 ATCCS workstations, communications patch module, antenna mounts, operator work surface, data patching module, and a power control module, white canvas liners, blackout curtains and a 10 meter QEAM.

(6) Installation Kits for the International Standard Organization (ISO) Shelter. This Large SICP Shelter (LSS) consists of equipment racks for up to six ATCCS workstations, communications racks, signal entry panel and antenna mounts. The LSS is currently in development. The first procurement is scheduled for FY01.

JUSTIFICATIONS: The Standard Integrated Command Post System is essential to the Army's Force XXI. It provides the mobility for ATCCS which is a major part of the Army Chief of Staff's effort to digitize the battlefield. Procurement of each of the above variants required to support the fielding of the noted ATCCS nodes with the Army's Common Hardware/Software Command and Control equipment.

NOTE: THRU FY94, FUNDS WERE APPROPRIATED UNDER SSN MX1010.

EXHIBIT (P-5)			ACTIVITY TITLE NO.			SERIES/ POPULAR NAME		PLANT CITY/STATE LOCATION			MONTH/YEAR	
			Other Procurement Army 2			[redacted]tandardized Integrated					February 1995	
			Comm & Elect Equipment			C[redacted]mand Post System						
						(SICPS) (BZ9962)						
Weapon System		FY94	QTY	FY95	QTY	FY96	QTY	FY97	QTY			
Cost Elements		Unit Cost	Total Cost	Unit Cost	Total Cost	Unit Cost	Total Cost	Unit Cost	Total Cost			
Tent Command Post					{0}		{0}	$4.7	{621}			
					$160		$160		$3,079			
Rigid Wall Shelter					{0}	$117	{124}		{0}			
					$2,848		$17,229		$3,217			
M1068 Conversion Kit					{0}		{0}	$112	{59}			
					$2,617		$2,056		$8,089			
5-Ton Installation Kit				$165	{17}	$174	{15}	$178	{28}			
					$3,035		$3,653		$6,227			
Soft Top HMMWV				$43	{16}	$44	{114}	$46	{123}			
Installation Kit					$871		$5,816		$6,748			
Large SICPS Shelter					$0		$0		$0			
Total					$9,531		$28,914		$27,360			
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UNCLASSIFIED

REPORTS CONTROL SYMBOL
DD-COMP(AR) 1092

BUDGET ITEM JUSTIFICATION SHEET

DATE FEB 1995

APPROPRIATION /BUDGET ACTIVITY
Other Procurement: Army 2
Communications and Electronics Equipment

P-1 ITEM NOMENCLATURE
STANDARDIZED INTEGRATED CMD POST SYSTEM
Tent Command Post (SICPS) (BZ9962)

	FY 94	FY 95	FY 96	FY 97	FY 98	FY 99	FY 00	FY 01
QUANTITY	0	0	0	621	172	232	147	121
COST (IN MILLIONS)	0.0	0.2	0.2	3.1	1.0	1.3	1.0	0.8

DESCRIPTION: This variant is a Tent Command Post (CP) consisting of a light-weight aluminum frame, interchangeable fabric wall sections, fabric roof, floor and liners, work tables, map boards and light set. The Tent CP can be complexed to other tents and to other SICPS variants via an interface wall.

JUSTIFICATION: Procurement of the Tent Command Post is required for fielding with the Rigid Wall Shelter, M1068, and Soft-Top HMMWV Command Posts to all the Battlefied Functional Area projects (the Advanced Field Artillery Tactical Data System, the Forward Area Air Defense Command and Control System, the Maneuver Control System, the Combat Service Support Control System, the Integrated Meterological System as well as stand alone fieldings to the Combat Service Support Control System. These systems will be fielded to all Army units.

NOTE: THRU FY94, FUNDS WERE APPROPRIATED UNDER SSN MX1010.

NOTE: Units Fielded through FY97:
CSSCS-III Corps, 2nd AD, 1st CD, III Corps, 82nd Airborne, 10th MTN Div, 2nd ACR, I Corps, and 3rd ACR
FAADC2-101st Airborne, 24th ID, 2nd ID, 10th MTN Div, 82nd Airborne, XVIII Corps, 1st CD, 2nd AD, 3rd ACR, 1st AD, 3rd Mech
AFATDS-2nd AD, 82nd Airborne, 10th MTN Div, 7th ID, 101st Airborne, 24th ID
MCS-2nd AD
IMETS-Various FORSCOM, Europe, and Korea units

WEAPON SYSTEM COST ANALYSIS EXHIBIT (P-1)			A. APPROPRIATION/BUDGET ACTIVITY TITLE NO. (BZ9962) Other Procurement: OPA 2 Communications and Electronics Equipment			WEAPON MODEL/ SERIES/ POPULAR NAME Standardized Integrated Command Post System (SICPS) Tent		C. MANUFACTURER NAME PLANT CITY/STATE LOCATION Camel/Lafollette,Tennessee			D. DATE MONTH/YEAR February 1995	
Weapon System Cost Elements	Ident Code	FY94 Unit Cost	QTY Total Cost	FY95 Unit Cost	QTY Total Cost	FY96 Unit Cost	QTY Total Cost	FY97 Unit Cost	QTY Total Cost			
1. Hardware								$4.7	(621)			
Tent	A								$2,919			
2. PM/Administration					$60		$60		$60			
3. Engineering Support					$100		$100		$100			
GROSS P-1 END COST					$160		$160		$3,079			
						UNCLASSIFIED				Page 4 of	31	

BUDGET PROCUREMENT HISTORY AND PLANNING EXHIBIT (P-5A)					A. DATE	FEBRUARY 1995					
B. Appropriation/Budget Activity:		C: P-1 Item Nomenclature:									
Other Procurement Army 2 Communications and Electronics Equipment		Standardized Integrated Command Post System (SICPS)									
		Tent Command Post									
COST ELEMENT/ FISCAL YEAR	CONTRACTOR AND LOCATION	CONTRACTOR METHOD & TYPE	CONTRACTED BY	AWARD DATE	DATES OF FIRST DELIVERY	QUANTITY	UNIT COST	SPECS AVAILABLE NOW	SPEC REV REQ'D	IF YES WHEN AVAILABLE	
FY1997	Camel, Lafollette Tennessee	C/FP	ATCOM	Feb 97	Aug 97	621	$4,700	YES	NO		
D. REMARKS:											
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FY96/97 BUDGET PRODUCTION SCHEDULE

DATE FEBRUARY 1995

APPROPRIATION /BUDGET ACTIVITY
Other Procurement: Army 2
Communications and Electronics Equipment

P-1 ITEM NOMENCLATURE
STANDARDIZED INTEGRATED COMMAND POST SYSTEM (SICPS)
Tent Command Post
(BZ9962)

ITEM/MANUFACTURER PROCUREMENT YEAR	SERV	PROC QTY	ACCEP PRIOR TO 1-Oct 94	BAL DUE AS OF 1-Oct 94	FISCAL YEAR 1995												FISCAL YEAR 1996												FISCAL YEAR 1997												LATER
					CALENDAR YEAR 94			CALENDAR YEAR 1995												CALENDAR YEAR 1996												CALENDAR YEAR 1997											
					OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	
Tent Command Post/ Camel/FY97	A	621		621																	A																100	100	421
TOTAL		621		621																																	100	100	421

MANUFACTURERS NAME & LOCATION	PRODUCTION RATES MIN	1-8-5	MAX	MONTHS TO REACH MAX AFTER D DAY
Camel, Lafollette, Tennessee	50	100	150	

PRODUCTION LEAD TIME	ADMIN LEAD TIME PRIOR 1 OCT	AFTER 1 OCT	PRODUCTION	TOTAL AFTER 1 OCT
INITIAL		3	9	12
REORDER		3	6	9

REMARKS:
FY97 Procurement is a reorder.

P-1 SHOPPING LIST

DD Form 2445, JUL 87
UNCLASSIFED

ITEM NO 91

EXHIBIT P-21

FY96/97 BUDGET PRODUCTION SCHEDULE

DATE FEBRUARY 1995

APPROPRIATION /BUDGET ACTIVITY
Other Procurement: Army 2
Communications and Electronics Equipment

P-1 ITEM NOMENCLATURE
STANDARDIZED INTEGRATED COMMAND POST SYSTEM (SICPS)
Tent Command Post
(BZ9962)

ITEM/MANUFACTURER PROCUREMENT YEAR	SERV	PROC QTY	ACCEP PRIOR TO 1-Oct 97	BAL DUE AS OF 1-Oct 97	FISCAL YEAR 1998															FISCAL YEAR 1999														FISCAL YEAR 2000										LATER
					CALENDAR YEAR 97			CALENDAR YEAR 1998												CALENDAR YEAR 1999														CALENDAR YEAR 2000										
					OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	
Tent Command Post/ Camel/FY97	A	621	200	421	100	100	100	100	21																																
TOTAL		621	200	421	100	100	100	100	21																																

MANUFACTURERS NAME & LOCATION	PRODUCTION RATES MIN	1-8-5	MAX	MONTHS TO REACH MAX AFTER D DAY
Camel, Lafollette, Tennessee	50	100	150	

PRODUCTION LEAD TIME	ADMIN LEAD TIME PRIOR 1 OCT	AFTER 1 OCT	PRODUCTION	TOTAL AFTER 1 OCT
INITIAL		3	9	12
REORDER		3	6	9

REMARKS:

P-1 SHOPPING LIST

DD Form 2445, JUL 87
UNCLASSIFED

ITEM NO 91

EXHIBIT P-21

REPORTS CONTROL SYMBOL
DD-COMP(AR) 1092

BUDGET ITEM JUSTIFICATION SHEET

DATE FEB 1995

APPROPRIATION /BUDGET ACTIVITY
Other Procurement: Army 2
Communications and Electronics Equipment

P-1 ITEM NOMENCLATURE
STANDARDIZED INTEGRATED CMD POST SYSTEM
Rigid Wall Shelter (SICPS) (BZ9962)

	FY 94	FY 95	FY 96	FY 97	FY 98	FY 99	FY 00	FY 01
QUANTITY	0	0	124	0	44	19	10	23
COST (IN MILLIONS)	0.0	2.8	17.2	3.2	6.8	3.5	2.4	4.3

DESCRIPTION: This variant consists of a Rigid Wall Shelter (RWS) CP mounted on the High Mobility Multipurpose Wheeled Vehicle (HMMWV) Shelter Carrier. The shelter is integrated with an on-board generator, power conversion/distribution system, environmental control unit, collective chemical protection, signal and power pass-through panels, equipment racks to accomodate two ATCCS workstations, an operator seat, a vehicular intercom system, and a 10 meter Quick Erect Antenna Mast (QEAM).

JUSTIFICATION: Procurement of the Rigid Wall Shelter is required for fielding to all of the Battlefield Functional Areas of the Army Tactical Command and Control System (Advanced Field Artillery Tactical Data System, Forward Area Air Defense Command and Control System, Maneuver Control System, the Integrated Meterological System, Extended Air Defense Command and Control System, and the Combat Service Support and Control System). These systems will be fielded to all Army units.

NOTE: UNITS FIELDED THROUGH FY97:
IMETS-Various FORSCOM, Europe and Korea Units
CSSCS-2nd AD, 1st CD, XVIII Corps, 24th ID, III Corps, 10th MTN Div, 2nd ACR, 3rd ACR, 101st Airborne
AFATDS-2nd AD, 10th MTN Div, 7th ID, 24th ID, XVIII Corps, 101st Airborne, 82nd Airborne
FAADC2-101st Airborne, 10th MTN Div, 2nd ID, 82nd Airborne, 24th ID, XVIII Corps, 1st CD, 3rd ACR, 1st AD, 3rd Mech, 2nd AD
EAD-III Corps, XVIII Corps, VII Corps, I Corps
MCS-2nd AD

NOTE: THRU FY94, FUNDS WERE APPROPRIATED UNDER SSN MX1010.

WEAPON SYSTEM COST ANALYSIS EXHIBIT (P-5)			A. APPROPRIATION/BUDGET ACTIVITY TITLE NO. (BZ9962) Other Procurement: OPA 2 Communications and Electronics Equipment			B. WEAPON MODEL/ SERIES/ POPULAR NAME Standardized Integrated Command Post System (SICPS) Rigid Wall Shelter		C. MANUFACTURER NAME PLANT CITY/STATE LOCATION TBS			D. DATE MONTH/YEAR February 1995	
Weapon System Cost Elements	Ident Code	FY94 Unit Cost	QTY Total Cost	FY95 Unit Cost	QTY Total Cost	FY96 Unit Cost	QTY Total Cost	FY97 Unit Cost	QTY Total Cost			
1. Hardware												
Rigid Wall Shelter	B				VAR	$117	(124)					
					$204		$14,508					
2. PM/Administration					$515		$350		$368			
3. Engineering Support					$867		$700		$923			
4. Interim Contractor Spt.					$1,262		$1,671		$1,926			
GROSS P-1 END COST					$2,848		$17,229		$3,217			
Note: The FY 95 hardware cost includes trailer modifications.												
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BUDGET PROCUREMENT HISTORY AND PLANNING EXHIBIT (P-5A) — A. DATE: FEBRUARY 1995

B: Appropriation/Budget Activity: Other Procurement Army 2 Communications and Electronics Equipment

C: P-1 Item Nomenclature: Standardized Integrated Command Post System (SICPS) Rigid Wall Shelter

COST ELEMENT/ FISCAL YEAR	CONTRACTOR AND LOCATION	CONTRACTOR METHOD & TYPE	CONTRACTED BY	AWARD DATE	DATES OF FIRST DELIVERY	QUANTITY	UNIT COST	SPECS AVAILABLE NOW	SPEC REV REQ'D	IF YES WHEN AVAILABLE
FY1996	TBS	C/FP	ATCOM	Feb 96	Nov 96	124	$117,000	NO	YES	Sep 95

D. REMARKS: 251 Type Classified Limited Procurement Rigid Wall Shelters were purchased in FY91 and FY92. The above contract is for a product improved version of this shelter which will be type classified in Feb 96.

FY96/97 BUDGET PRODUCTION SCHEDULE

DATE FEBRUARY 1995

APPROPRIATION /BUDGET ACTIVITY
Other Procurement: Army 2
Communications and Electronics Equipment

P-1 ITEM NOMENCLATURE
STANDARDIZED INTEGRATED COMMAND POST SYSTEM (SICPS)
Rigid Wall Shelter
(BZ9962)

ITEM/MANUFACTURER PROCUREMENT YEAR	SERV	PROC QTY	ACCEP PRIOR TO 1-Oct 93	BAL DUE AS OF 1-Oct 93	FISCAL YEAR 1995														FISCAL YEAR 1996												FISCAL YEAR 1997											AFTER
					CALENDAR YEAR 94			CALENDAR YEAR 1995											CALENDAR YEAR 1996												CALENDAR YEAR 1997										
					OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	
Rigid Wall Shelter/TBS FY96	A	124		124																A										25	25	25	25	24						
TOTAL		124		124																										25	25	25	25	24						

MANUFACTURERS NAME & LOCATION	PRODUCTION RATES MIN	1-8-5	MAX	MONTHS TO REACH MAX AFTER D DAY
TBS	10	25	75	

PRODUCTION LEAD TIME	ADMIN LEAD TIME PRIOR 1 OCT	AFTER 1 OCT	PRODUCTION	TOTAL AFTER 1 OCT
INITIAL		3	9	12
REORDER		3	9	12

REMARKS:

P-1 SHOPPING LIST

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ITEM NO 91

EXHIBIT P-21

CODE "B" ITEM DESCRIPTION | DATE: FEBRUARY 1995 | REPORT CONTROL SYMBOL DD-COMP(AR)1092

APPROPRIATION/BUDGET ACTIVITY
Other Procurement: Army 2
Communications and Electronics Equipment

P-1 ITEM NOMENCLATURE
Standardized Integrated Command Post System (SICPS)
Rigid Wall Shelter
(BZ9962)

1. CURRENT DEVELOPMENT AND TEST STATUS

	SCHEDULE DATE		
	CURRENT	LAST REPORTED	REASON FOR DELAY
Dev Test & Eval (DT&E)	Sep-94	Sep-94	
Initial Oper Test & Eval (IOT&E)	Sep-94	Sep-94	
Oper Test & Eval (OT&E)	May-95	Sep-96	Revised Test Strategy
Avail Date of Tech Data Pkg (TDP) or Performance Specifications	Sep-95	Dec-94	Revised Test Strategy

2. ESTIMATED DATE OF APPROVAL FOR SERVICE USE: Feb 96

3. EQUIPMENT ITEM(S) TO BE REPLACED: Gaining Unit's High Mobility Multipurpose Wheel Vehicle (HMMWV).

4. EXTENT OF IMPROVEMENT OVER ITEM(S) EQUIPMENT TO BE REPLACED: Provides Heavy HMMWV and shelter for facilities for Tactical Computers and Software in the Army Tactical Command and Control System.

5. DEVELOPMENT CONTRACT INFORMATION: PE64804/D429 — RDT&E FUNDING PROFILE ($ IN MILLIONS)

CONTRACTOR NAME (1)	PLANT LOCATION (2)	COMPONENT (3)	THROUGH PRIOR YEAR FY94 (4)	CURRENT YEAR FY95 (5)	BUDGET YEAR FY96 (6)	BEYOND BUDGET YEAR FY97-01 (7)	
NORDAM	TULSA, OKLA.	RIGID WALL SHELTER	$4.00	$0.00	$0.00	$0.00	
BRUNSWICK CORP.	MARION, VA.	RIGID WALL SHELTER	$4.50	$0.00	$0.00	$0.00	
TOTAL RDT&E FUNDING			$8.50	$0.00	$0.00	$0.00	

6. REMARKS:
The RWS was Type Classified (TC) Limited Procurement Urgent (LPU) in Aug 91. 251 TC-LPU shelters were purchased in FY91 and FY92.
The TC-LPU RWS went through Operational Test in Jul-Sep 94. A product improved version of the RWS is in development and will be available for Operational Test in May 95. Type Classification of the product improved shelter is planned for Feb 96.
RDT&E for the Standardized Integrated Command Post System was controlled by ATCOM through FY94.

REPORTS CONTROL SYMBOL
DD-COMP(AR) 1092

BUDGET ITEM JUSTIFICATION SHEET

DATE FEBRUARY 1995

APPROPRIATION /BUDGET ACTIVITY	P-1 ITEM NOMENCLATURE
Other Procurement: Army 2 Communications and Electronics Equipment	STANDARDIZED INTEGRATED CMD POST SYSTEM M1068 Track Conversion Kit (SICPS) (BZ9962)

	FY 94	FY 95	FY 96	FY 97	FY 98	FY 99	FY 00	FY 01
QUANTITY	0	0	0	59	108	76	84	14
COST (IN MILLIONS)	0.0	2.6	2.1	8.1	14.8	9.9	11.2	2.7

DESCRIPTION: This variant is a conversion kit for the M577 Track Vehicle consisting of equipment racks for two ATCCS work stations, power and signal panels, tent interface panel, operator seats, stowage provisions, an updated Auxilary Power Unit (APU), an updated vehicular intercom system, antenna mounts, a 10 meter Quick Erect Antenna Mast (QEAM), a power distribution panel, and signal/data wiring. The converted M577 has been designated the M1068 Track CP.

JUSTIFICATION: Procurement of the M1068 Track Conversion Kit is required for fielding to four of the Battlefield Functional Areas of the Army Tactical Command and Control System (Advanced Field Artillery Tactical Data System, Forward Area Air Defense Command and Control System, Maneuver Control System, and Combat Service Support Control System). The M1068 will be fielded to all heavy divisions and Corps in the Army as an associated item of the noted systems.

NOTE: Units Fielded through FY97:
AFATDS-2nd AD, 24th ID
FAADC2-2nd ID, 24th ID, 1st CD, 3rd ACR, 1st AD, 2nd AD, 3rd Mech
CSSCS-2nd AD, 1st CD
MCS-2nd AD

NOTE: THRU FY94, FUNDS WERE APPROPRIATED UNDER SSN MX1010.

WEAPON SYSTEM COST ANALYSIS			A. APPROPRIATION/BUDGET			B.WEAPON MODEL/		C. MANUFACTURER NAME			D. DATE	
EXHIBIT (R[redacted]			ACTIVITY TITLE NO. (BZ9962[redacted]			SERIES/ POPULAR NAME		PLANT CITY/STATE LOCATION			MO[redacted] YEAR	
			Other Procurement: OPA 2			Standardized Integrated		TBS			February 1995	
			Communications and Electronics			Command Post System (SICPS)						
			Equipment			M1068 Track Conversion Kit						
Weapon System	Ident	FY94	QTY	FY95	QTY	FY96	QTY	FY97	QTY			
Cost Elements	Code	Unit Cost	Total Cost	Unit Cost	Total Cost	Unit Cost	Total Cost	Unit Cost	Total Cost			
1. Hardware												
M1068 Track	B				Var			$112	(59)			
Conversion Kit					$884				$6,608			
2. PM/Administration					$745		$450		$473			
3. Engineering Support					$432		$325		$325			
4. Other					$556		$1,281		$683			
GROSS P-1 END COST					$2,617		$2,056		$8,089			

NOTE: The FY95 hardware includes the procurement of Auxilary Power Units.
The FY95 other includes installation funds for previously purchased M1068 kits.
The FY96 other includes installation funds for previously purchased M1068 kits.
The FY97 hardware includes the procurement of 59 installation kits.
The FY97 other includes installation funds for previously purchased M1068 kits.

BUDGET PROCUREMENT HISTORY AND PLANNING EXHIBIT (P-5A)

A. DATE: FEBRUARY 1995

B: Appropriation/Budget Activity:
Other Procurement Army 2 Communications and Electronics Equipment

C: P-1 Item Nomenclature:
Standardized Integrated Command Post System
M1068 Track Conversion Kit

COST ELEMENT/ FISCAL YEAR	CONTRACTOR AND LOCATION	CONTRACTOR METHOD & TYPE	CONTRACTED BY	AWARD DATE	DATES OF FIRST DELIVERY	QUANTITY	UNIT COST	SPECS AVAILABLE NOW	SPEC REV REQ'D	IF YES WHEN AVAILABLE
FY1997	TBS	C/FP	TACOM	Feb 97	Nov 97	59	$112,000	YES	NO	

D. REMARKS:

FY96/97 BUDGET PRODUCTION SCHEDULE

DATE FEBRUARY 1995

APPROPRIATION /BUDGET ACTIVITY
Other Procurement: Army 2
Communications and Electronics Equipment

P-1 ITEM NOMENCLATURE
STANDARDIZED INTEGRATED COMMAND POST SYSTEM (SICPS)
M1068 Track Conversion Kit
(BZ9962)

ITEM/MANUFACTURER PROCUREMENT YEAR	SERV	PROC QTY	ACCEP PRIOR TO 1-Oct 94	BAL DUE AS OF 1-Oct 94	FISCAL YEAR 1995														FISCAL YEAR 1996												FISCAL YEAR 1997												LATER
					CALENDAR YEAR 94			CALENDAR YEAR 1995											CALENDAR YEAR 1996												CALENDAR YEAR 1997											
					OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	
M1068 Kit/TBS/FY97	A	59		59																												A								59
TOTAL		59		59																																				59

MANUFACTURERS NAME & LOCATION	PRODUCTION RATES MIN	1-8-5	MAX	MONTHS TO REACH MAX AFTER D DAY
TBS	10	30	90	

PRODUCTION LEAD TIME	ADMIN LEAD TIME PRIOR 1 OCT	AFTER 1 OCT	PRODUCTION	TOTAL AFTER 1 OCT
INITIAL		4	9	13
REORDER		4	7	11

REMARKS:

P-1 SHOPPING LIST

ITEM NO 91

DD Form 2445, JUL 87
UNCLASSIFED

EXHIBIT P-21

FY96/97 BUDGET PRODUCTION SCHEDULE

DATE FEBRUARY 1995

APPROPRIATION /BUDGET ACTIVITY
O[redacted]ocurement: Army 2
C[redacted]nications and Electronics Equipment

P-1 ITEM NOMENCLATURE
STANDARDIZED INTEGRATED COMMAND POST SYSTEM (SICPS)
M1068 Track Conversion Kit
(BZ9962)

ITEM/MANUFACTURER PROCUREMENT YEAR	SERV	PROC QTY	ACCEP PRIOR TO 1-Oct 97	BAL DUE AS OF 1-Oct 97	FISCAL YEAR 1998														FISCAL YEAR 1999													FISCAL YEAR 2000												LATER
					CALENDAR YEAR	97		CALENDAR YEAR 1998											CALENDAR YEAR 1999													CALENDAR YEAR 2000												
					OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	
M1068 Kit/TBS/FY97	A	59		59		30	29																																	
TOTAL		59		59		30	29																																	

MANUFACTURERS NAME & LOCATION	PRODUCTION RATES MIN	1-8-5	MAX	MONTHS TO REACH MAX AFTER D DAY
TBS	10	30	90	

PRODUCTION LEAD TIME	ADMIN LEAD TIME PRIOR 1 OCT	AFTER 1 OCT	PRODUCTION	TOTAL AFTER 1 OCT
INITIAL		4	9	13
REORDER		4	7	11

REMARKS:

P-1 SHOPPING LIST

DD Form 2445, JUL 87
UNCLASSIFED

ITEM NO 91

EXHIBIT P-21

UNCLASSIFIED

CODE "B" ITEM DESCRIPTION

DATE: SEPTEMBER 1994

REPORT CONTROL SYMBOL
DD-COMP(AR)1092

APPROPRIATION/BUDGET ACTIVITY
Other Procurement: Army 2
Communications and Electronics Equipment

P-1 ITEM NOMENCLATURE
Standardized Integrated Command Post System (SICPS)
M1068 Track Conversion Kit
(BZ9962)

1. CURRENT DEVELOPMENT AND TEST STATUS

	SCHEDULE DATE		
	CURRENT	LAST REPORTED	REASON FOR DELAY
Dev Test & Eval (DT&E)	Mar 92	Mar 92	
Initial Oper Test & Eval (IOT&E)	Mar 94	Mar 94	
Avail Date of Tech Data Pkg (TDP) or Performance Specifications	Jun 94	Jun 94	

2. ESTIMATED DATE OF APPROVAL FOR SERVICE USE: Mar 95

3. EQUIPMENT ITEM(S) TO BE REPLACED: M577

4. EXTENT OF IMPROVEMENT OVER ITEM(S) EQUIPMENT TO BE REPLACED: Provides facilities for Tactical Computers and Software in the Army Tactical Command and Control System.

5. DEVELOPMENT CONTRACT INFORMATION: PE64804/D429 RDT&E FUNDING PROFILE ($ IN MILLIONS)

CONTRACTOR NAME (1)	PLANT LOCATION (2)	COMPONENT (3)	THROUGH PRIOR YEAR FY94 (4)	CURRENT YEAR FY95 (5)	BUDGET YEAR FY96 (6)	BEYOND BUDGET YEAR FY97-01 (7)
FMC CORP.	SAN JOSE, CA.	M1068 KITS	$2.00	$0.00	$0.00	$0.00
TOTAL RDT&E FUNDING			$2.00	$0.00	$0.00	$0.00

6. REMARKS:
The M1068 was Type Classified (TC) Limited Procurement Urgent (LPU) in Jul 92 and 330 kits were purchased in FY92 and FY93. TC Standard is planned for March 95. RDT&E funding for the Standardized Integrated Command Post System was controlled by ATCOM through FY94.

REPORTS CONTROL SYMBOL
DD-COMP(AR) 1092

BUDGET ITEM JUSTIFICATION SHEET

DATE FEBRUARY 1995

APPROPRIATION /BUDGET ACTIVITY
Other Procurement: Army 2
Communications and Electronics Equipment

P-1 ITEM NOMENCLATURE
STANDARDIZED INTEGRATED CMD POST SYSTEM
5-Ton E Van Installation Kit (SICPS) (BZ9962)

	FY 94	FY 95	FY 96	FY 97	FY 98	FY 99	FY 00	FY 01
QUANTITY	0	17	15	28	12	27	15	7
COST (IN MILLIONS)	0.0	3.0	3.6	6.2	3.1	6.3	4.0	2.5

DESCRIPTION: This variant consists of an installation kit (IK) for the 5-ton Expansible Van (E-Van) consisting of racks for up to six ATCCS work stations, centralized communications rack, communications patch panel, signal entry panel, mapboards, an updated power distribution system, vehicular intercom system, a 10 meter Quick Erect Antenna Mast, and signal/data wiring.

JUSTIFICATION: Procurement of the 5-Ton E-Van (IK) is required for fielding to three of the five Battlefield Functional Areas of the Army Tactical Command and Control System (Advanced Field Artillery Tactical Data System, Maneuver Control System and the Combat Service Support Control System). The 5-Ton E-Van kits will be fielded to all Army units of the noted Battlefield Functional Areas.

NOTE: Units Fielded through FY97:
CSSCS-2nd AD, XVIII Airborne Corps, 24th ID, 1st CD, 2nd ACR, and the 3rd ACR
AFATDS-10th MTN Div, 2nd AD
MCS-2nd AD

NOTE: THRU FY94, FUNDS WERE APPROPRIATED UNDER SSN MX1010.

WEAPON SYSTEM COST ANALYSIS			A. APPROPRIATION/BUDGET			B.WEAPON MODEL/		C. MANUFACTURER NAME			D. [redacted]	
EXHIBIT (P-[redacted]			ACTIVITY TITLE NO. (BZ9962)			SERIES/ POPULAR NAME		PLANT CITY/STATE LOCATION			MO[redacted]YEAR	
			Other Procurement: OPA 2			Standardized Integrated		LETTERKENNEY army DEPOT				
			Communications and Electronics			Command Post/					February 1995	
			Equipment			5-Ton E-Van Installation Kit						
Weapon System	Ident	FY94	QTY	FY95	QTY	FY96	QTY	FY97	QTY			
Cost Elements	Code	Unit Cost	Total Cost	Unit Cost	Total Cost	Unit Cost	Total Cost	Unit Cost	Total Cost			
1. Hardware												
5-Ton E-Van Installation Kit	B			$165	(17)	$174	(15)	$178	(28)			
					$2,805		$2,610		$4,984			
2. PM/Administration							$350		$368			
3. Engineering Support					$200		$393		$425			
4. Interim Contractor Spt.					$30		$300		$450			
GROSS P-1 END COST					$3,035		$3,653		$6,227			
						UNCLASSIFIED				Page 20	of	31

BUDGET PROCUREMENT HISTORY AND PLANNING EXHIBIT (P-5A)					A. DATE	FEBRUARY 1995					
B: Appropriation/Budget Activity: Other Procurement Army 2 Communications and Electronics Equipment			C: P-1 Item Nomenclature: Standardized Integrated Command Post System (SICPS) 5-Ton E-Van Installation Kit								
COST ELEMENT/ FISCAL YEAR	CONTRACTOR AND LOCATION	CONTRACT METHOD & TYPE	CONTRACTED BY	AWARD DATE	DATES OF FIRST DELIVERY	QUANTITY	UNIT COST	SPECS AVAILABLE NOW	SPEC REV REQ'D	IF YES WHEN AVAILABLE
FY1995	LETTERKENNEY ARMY DEPOT	MIPR	CECOM	Aug 95	Apr 96	17	$165,000	NO	YES	Jul 95
FY1996	LETTERKENNEY ARMY DEPOT	MIPR	CECOM	Apr 96	Dec 96	15	$174,000	NO	YES	Jul 95
FY1997	LETTERKENNEY ARMY DEPOT	MIPR	CECOM	Jan 97	Sep 97	28	$178,000	NO	YES	Jul 95
D. REMARKS:										
DD Form 2446-1, Jul 87			UNCLASSIFIED			P-1 Shopping List	91		Page 21	of 31

FY96/97 BUD[redacted] PRODUCTION SCHEDULE | DATE FEBRUA[redacted] 1995

APPROPRIATION /BUDGET ACTIVITY
Other Procurement: Army 2
Communications and Electronics Equipment

P-1 ITEM NOMENCLATURE
STANDARDIZED INTEGRATED C[redacted] POST SYSTEM (SICPS)
5 Ton E-Van Installation Kit
(BZ9962)

ITEM/MANUFACTURER PROCUREMENT YEAR	SERV	PROC QTY	ACCEP PRIOR TO 1-Oct 94	BAL DUE AS OF 1-Oct 94	FISCAL YEAR 1995												FISCAL YEAR 1996												FISCAL YEAR 1997										LTER
					CALENDAR YEAR 94			CALENDAR YEAR 1995										CALENDAR YEAR 1996												CALENDAR YEAR 1997										
					OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	
5 Ton E-Van Installation Kit/ Letterkenney Army Depot FY95	A	17		17											A								17															
5 Ton E-Van Installation Kit/ Letterkenney Army Depot FY96	A	15		15																			A						15									
5 Ton E-Van Installation Kit/ Letterkenney Army Depot FY97	A	28		28																										A							20	8
TOTAL		60		60																			17						15							20	8

MANUFACTURERS NAME & LOCATION	PRODUCTION RATES MIN	1-8-5	MAX	MONTHS TO REACH MAX AFTER D DAY
LETTERKENNEY ARMY DEPOT	10	20	60	

PRODUCTION LEAD TIME	ADMIN LEAD TIME PRIOR 1 OCT	AFTER 1 OCT	PRODUCTION	TOTAL AFTER 1 OCT
INITIAL		2	8	10
REORDER		2	8	10

REMARKS:
FY95 PROCUREMENT IS AN INITIAL ORDER

P-1 SHOPPING LIST

DD Form 2445, JUL 87
UNCLASSIFED

ITEM NO 91

EXHIBIT P-21

FY96/97 BUDGET PRODUCTION SCHEDULE

DATE FEBRUARY 1995

APPROPRIATION /BUDGET ACTIVITY
Other Procurement: Army 2
Communications and Electronics Equipment

P-1 ITEM NOMENCLATURE
STANDARDIZED INTEGRATED COMMAND POST SYSTEM (SICPS)
5 Ton E-Van Installation Kit
(BZ9962)

ITEM MANUFACTURER PROCUREMENT YEAR	SERV	PROC QTY	ACCEP PRIOR TO 1-Oct 97	BAL DUE AS OF 1-Oct 97	FISCAL YEAR 1998															FISCAL YEAR 1999												FISCAL YEAR 2000												LATER
					CALENDAR YEAR 97			CALENDAR YEAR 1998												CALENDAR YEAR 1999												CALENDAR YEAR 2000												
					OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	
5 Ton E-Van Installation Kit/ Letterkenney Army Depot FY95	A	17	17																																						
5 Ton E-Van Installation Kit/ Letterkenney Army Depot FY96	A	15	15																																						
5 Ton E-Van Installation Kit/ Letterkenney Army Depot FY97	A	28	20	8	8																																				
TOTAL		60	52	8	8																																				

MANUFACTURERS NAME & LOCATION	PRODUCTION RATES MIN	1-8-5	MAX	MONTHS TO REACH MAX AFTER D DAY
LETTERKENNEY ARMY DEPOT	10	20	60	

PRODUCTION LEAD TIME	ADMIN LEAD TIME PRIOR 1 OCT	AFTER 1 OCT	PRODUCTION	TOTAL AFTER 1 OCT
INITIAL		2	8	10
REORDER		2	8	10

REMARKS:

P-1 SHOPPING LIST

DD Form 2445, JUL 87
UNCLASSIFED

ITEM NO 91

EXHIBIT P-21

APPROPRIATION/BUDGET ACTIVITY
Other Procurement: Army 2
Communications and Electronics Equipment

P-1 ITEM NOMENCLATURE
Standardized Integrated Command Post System (SICPS)
5-Ton E-Van Installation Kit
(BZ9962)

1. CURRENT DEVELOPMENT AND TEST STATUS

	SCHEDULE DATE		
	CURRENT	LAST REPORTED	REASON FOR DELAY
Dev Test & Eval (DT&E)	Jun 94	Jun 94	
Initial Oper Test & Eval (IOT&E)	Sep 94	Sep 94	
Avail Date of Tech Data Pkg (TDP) or Performance Specifications	Jul 95	Jul 95	

2. ESTIMATED DATE OF APPROVAL FOR SERVICE USE: Aug 95

3. EQUIPMENT ITEM(S) TO BE REPLACED: N/A

4. EXTENT OF IMPROVEMENT OVER ITEM(S) EQUIPMENT TO BE REPLACED: N/A

5. DEVELOPMENT CONTRACT INFORMATION: PE64804/D429 (FY94 and Prior); PE65818/D323 (FY95)

RDT&E FUNDING PROFILE ($ IN MILLIONS)

CONTRACTOR NAME (1)	PLANT LOCATION (2)	COMPONENT (3)	THROUGH PRIOR YEAR FY94 (4)	CURRENT YEAR FY95 (5)	BUDGET YEAR FY96 (6)	BEYOND BUDGET YEAR FY97-01 (7)
LETTERKENNEY ARMY DEPOT	CHAMBERSBURG, PA.	5-TON KIT	$2.50	$0.97	$0.00	$0.00
TOTAL RDT&E FUNDING			$2.50	$0.97	$0.00	$0.00

6. REMARKS: RDT&E funding for the Standardized Integrated Command Post System was controlled by ATCOM through FY94. PM CHS controls RDT&E funding in FY95.

REPORTS CONTROL SYMBOL
DD-COMP(AR) 1092

BUDGET ITEM JUSTIFICATION SHEET

DATE FEBRUARY 1995

APPROPRIATION /BUDGET ACTIVITY
Other Procurement: Army 2
Communications and Electronics Equipment

P-1 ITEM NOMENCLATURE
STANDARDIZED INTEGRATED COMMAND POST SYSTEM
(SICPS) Soft Top HMMWV Installation Kit
(BZ9962)

	FY 94	FY 95	FY 96	FY 97	FY 98	FY 99	FY 00	FY 01
QUANTITY	0	16	114	123	28	62	12	39
COST (IN MILLIONS)	0.0	0.9	5.8	6.7	1.9	3.7	1.3	2.8

DESCRIPTION: This variant consists of an installation kit for the Soft-Top HMMWV consisting of racks for up to two ATCCS work stations, communications patch module, power control module, antenna mounts, operator work surface, data patching module, white canvas liners, blackout curtains, and the Quick Erect Antenna Mast (QEAM).

JUSTIFICATION: Procurement of the Soft-Top HMMWV Installation Kits is required for fielding to three of the five Battlefield Functional Areas of the Army Tactical Command and Control System (Advanced Field Artillery Tactical Data System, the Forward Area Air Defense Command and Control System, and the Maneuver Control System).

NOTE: Units fielded through FY97:
FAADC2-101st Airborne, 82nd Airborne
AFATDS-82nd Airborne, 10th MTN Div, 7th ID, 101st Airborne
MCS-2nd AD

NOTE: THRU FY94, FUNDS WERE APPROPRIATED UNDER SSN MX1010.

WEAPON SYST COST ANALYSIS EXHIBIT (P-5)			A. APPROPRIATION/BUDGET ACTIVITY TITLE NO. (BZ9962) Other Procurement: OPA 2 Communications and Electronics Equipment			EAPON MODEL/ SERIES/ POPULAR NAME Standardized Integrated Command Post (SICPS) Soft Top HMMWV Inst. Kit		C. MANUFACTURER NAME PLANT CITY/STATE LOCATION TOBYHANNA ARMY DEPOT			D. DAT MONTH/YEAR February 1995	
Weapon System Cost Elements	Ident Code	FY94 Unit Cost	QTY Total Cost	FY95 Unit Cost	QTY Total Cost	FY96 Unit Cost	QTY Total Cost	FY97 Unit Cost	QTY Total Cost			
1. Hardware												
Soft Top HMMWV	B			$43	{16}	$44	{114}	$46	{123}			
Installation Kit					$680		$5,016		$5,658			
2. PM/Administration							$350		$365			
3. Engineering Support					$131		$325		$325			
4. Interim Contractor Spt.					$60		$125		$400			
GROSS P-1 END COST					$871		$5,816		$6,748			
						UNCLASSIFIED				Page 26	of	31

BUDGET PROCUREMENT HISTORY AND PLANNING EXHIBIT (P-5A) | **A. DATE** FEBRUARY1995

B: Appropriation/Budget Activity: | C: P-1 Item Nomenclature:
C: Procurement Army 2 Communications and Electronics Equipment | Standardized Integrated Command Post System (SICPS) Soft Top HMMWV Installation Kit

COST ELEMENT/ FISCAL YEAR	CONTRACTOR AND LOCATION	CONTRACT METHOD & TYPE	CONTRACTED BY	AWARD DATE	DATES OF FIRST DELIVERY	QUANTITY	UNIT COST	SPECS AVAILABLE NOW	SPEC REV REQ'D	IF YES WHEN AVAILABLE
FY1995	TOBYHANNA ARMY DEPOT	MIPR	CECOM	Apr 95	Jan 96	16	$42,500	NO	YES	Apr 95
FY1996	TOBYHANNA ARMY DEPOT	MIPR	CECOM	Jan 96	Aug 96	114	$44,000	NO	YES	Apr 95
FY1997	TOBYHANNA ARMY DEPOT	MIPR	CECOM	Jan 97	Aug 97	123	$46,000	NO	YES	Apr 95

D. REMARKS:

FY96/97 BUDGET PRODUCTION SCHEDULE

DATE FEBRUARY 1995

APPROPRIATION /BUDGET ACTIVITY
Other Procurement: Army 2
Communications and Electronics Equipment

P-1 ITEM NOMENCLATURE
STANDARDIZED INTEGRATED COMMAND POST SYSTEM (SICPS)
Soft Top HMMWV Installation Kit
(BZ9962)

ITEM/MANUFACTURER PROCUREMENT YEAR	SERV	PROC QTY	ACCEP PRIOR TO 1-Oct 94	BAL DUE AS OF 1-Oct 94	FISCAL YEAR 1995												FISCAL YEAR 1996												FISCAL YEAR 1997												LATER
					CALENDAR YEAR 94			CALENDAR YEAR 1995											CALENDAR YEAR 1996												CALENDAR YEAR 1997											
					OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	
Soft Top HMMWV Inst. Kit	A																																						
Tobyhanna Army Depot																																							
FY95		16		16							A									16																				
Soft Top HMMWV Inst. Kit	A																																						
Tobyhanna Army Depot																																							
FY96		114		114																A							20	20	20	20	20	14								
Soft Top HMMWV Inst. Kit	A																																						
Tobyhanna Army Depot																																							
FY97		123		123																											A							20	20	83
TOTAL		253		253																16							20	20	20	20	20	14						20	20	83

MANUFACTURERS NAME & LOCATION	PRODUCTION RATES MIN	1-8-5	MAX	MONTHS TO REACH MAX AFTER D DAY
TOBYHANNA ARMY DEPOT	10	20	60	

PRODUCTION LEAD TIME

	ADMIN LEAD TIME PRIOR 1 OCT	AFTER 1 OCT	PRODUCTION	TOTAL AFTER 1 OCT
INITIAL		3	9	12
REORDER		3	7	10

REMARKS:
FY95 PROCUREMENT IS AN INITIAL ORDER

P-1 SHOPPING LIST

ITEM NO 91

DD Form 2445, JUL 87
UNCLASSIFED

EXHIBIT P-21

Y96/97 BUDGET PRODUCTION SCHEDULE

DATE FEBRUARY 1995

PROPRIATION /BUDGET ACTIVITY
ther Procurement: Army 2
O[illegible]cations and Electronics Equipment

P-1 ITEM NOMENCLATURE
STANDARDIZED INTEGRATED COMMAND POST SYSTEM (SICPS)
Soft Top HMMWV Installation Kit
(BZ9962)

EM/MANUFACTURER OCUREMENT YEAR	SERV	PROC QTY	ACCEP PRIOR TO 1-Oct 97	BAL DUE AS OF 1-Oct 97	FISCAL YEAR 1998 / CALENDAR YEAR 1998												FISCAL YEAR 1999 / CALENDAR YEAR 1999												FISCAL YEAR 2000 / CALENDAR YEAR 2000												LATER
					CALENDAR YEAR 97			CALENDAR YEAR 1998																														
					OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	
ft Top HMMWV Inst. Kit	A																																					
byhanna Army Depot FY95		16	16																																			
ft Top HMMWV Inst. Kit	A																																					
byhanna Army Depot FY96		114	114																																			
ft Top HMMWV Inst. Kit	A																																					
byhanna Army Depot FY97		123	40	83	20	20	20	20	3																													
TOTAL		253	170	83	20	20	20	20	3																													

MANUFACTURERS NAME & LOCATION	PRODUCTION RATES MIN	1-8-5	MAX	MONTHS TO REACH MAX AFTER D DAY
TOBYHANNA ARMY DEPOT	10	20	60	

PRODUCTION LEAD TIME	ADMIN LEAD TIME PRIOR 1 OCT	AFTER 1 OCT	PRODUCTION	TOTAL AFTER 1 OCT
INITIAL		3	9	12
REORDER		3	7	10

REMARKS:

APPROPRIATION/BUDGET ACTIVITY
Other Procurement, Army 2
Communications and Electronics Equipment

P-1 ITEM NOMENCLATURE
Standardized Integrated Command Post System (SICPS)
Soft Top HMMWV Installation Kit
(BZ9962)

C. CURRENT DEVELOPMENT AND TEST STATUS

	SCHEDULE DATE		
	CURRENT	LAST REPORTED	REASON FOR DELAY
Dev Test & Eval (DT&E)	Jun 94	Jun 94	
Initial Oper Test & Eval (IOT&E)	Oct 94	Oct 94	
Avail Date of Tech Data Pkg (TDP) for Performance Specifications	Aug 95	Aug 95	

D. ESTIMATED DATE OF APPROVAL FOR SERVICE USE: Apr-95

E. EQUIPMENT ITEM(S) TO BE REPLACED: Gaining Unit's High Mobility Multipurpose Wheel Vehicle (HMMWV).

F. EXTENT OF IMPROVEMENT OVER ITEM(S) EQUIPMENT TO BE REPLACED: Provides Heavy HMMWV and kit for facilities for Tactical Computers and Software in the Army Tactical Command and Control System.

G. DEVELOPMENT CONTRACT INFORMATION: RDT&E FUNDING PROFILE ($ IN MILLIONS)

PE 64818 (FY94 and prior)/D323; PE 65818 (FY95)/D323

CONTRACTOR NAME (1)	PLANT LOCATION (2)	COMPONENT (3)	THROUGH PRIOR YEAR FY94 (4)	CURRENT YEAR FY95 (5)	BUDGET YEAR FY96 (6)	BEYOND BUDGET YEAR FY97-01 (7)
TOBYHANNA ARMY DEPOT	TOBYHANNA, PA.		$2.52	$0.32	$0.00	$0.00
TOTAL RDT&E FUNDING			$2.52	$0.32	$0.00	$0.00

H. REMARKS:
RDT&E for the Soft Top HMMWV Installation Kit was funded with PEO Command and Control Systems Funds, not SICPS funds.

REPORTS CONTROL SYMBOL
DD-COMP(AR) 1092

BUDGET ITEM JUSTIFICATION SHEET

DATE FEBRUARY 1995

APPROPRIATION /BUDGET ACTIVITY
Other Procurement: Army 2
Communications and Electronics Equipment

P-1 ITEM NOMENCLATURE
STANDARDIZED INTEGRATED CMD POST SYSTEM
Large SICPS Shelter (LSS) (SICPS) (BZ9962)

	FY 94	FY 95	FY 96	FY 97	FY 98	FY 99	FY 00	FY 01
QUANTITY	0	0	0	0	0	0	0	3
COST (IN MILLIONS)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.8

DESCRIPTION: This variant consists of an International Standard Organization (ISO) Shelter mounted on a 5 Ton trailer. The shelter will be integrated with an on-board generator, power conversion/distribution system, environmental control unit, signal and power pass-through panels, equipment racks for eight ATCCS workstations, and collective chemical protection.

JUSTIFICATION: Procurement of the LSS is required for fielding of the Army Tactical Command and Control System (ATCCS) to the Army. The LSS will be fielded at Corps level only.

REPORTS CONTROL SYMBOL DD-COMP(AR) 1092	BUDGET ITEM JUSTIFICATION SHEET	DATE February 1995

APPROPRIATION / BUDGET ACTIVITY	P-1 ITEM NOMENCLATURE
Other Procurement, Army 2 - Communications and Electronics Equipment	AUTOMATED DATA PROCESSING EQUIP (BD3000)

	FY 94	FY 95	FY 96	FY 97	FY 98	FY 99	FY 00	FY 01
QUANTITY								
COST (In Millions)	$ 46.8	$ 83.4	$ 132.8	$ 122.3	$ 117.9	$ 101.2	$ 117.9	$ 118.7

DESCRIPTION: This budget line supports the Army's sustaining base automation systems. The Army's primary sustaining base information mission area (IMA) 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 on 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. Further justification is contained within the P-40 for specific systems comprising this BLIN.

(ID CODE A)

WEAPON SYSTEM COST ANALYSIS EXHIBIT (P-5)	A. APPROPRIATION/TITLE/NO. OPA 2 - Communications and Electronics Equipment				B. WEAPON MODEL/SERIES/POPULAR NAME AUTOMATED DATA PROCESSING EQUIP (BD3000)						C. MANUF Numerou See 5a.	D. DATE February 1995	
WEAPON SYSTEM COST ELEMENTS	IDENT CODE	FY 94 Unit Cost	FY 94 Qty	FY 94 Total Cost	FY 95 Unit Cost	FY 95 Qty	FY 95 Total Cost	FY 96 Unit Cost	FY 96 Qty	FY 96 Total Cost	FY 97 Unit Cost	FY 97 Qty	FY 97 Total Cost
Summary: Installation Support Module (ISM) (BD3010)	A			1,546									
Optical Digital Equip (ODE) (BD3956)	A			1,996			2,904			2,563			3,932
ASIMS (BD3970)	A			30									
Strategic Logistics Program (SLP) (BD7000)	A			6,417			23,254			25,338			23,632
Acquisition Information Management (AIM) (BE2000)	A						3,011						
National Guard Reform Initiative (BE3800)	A									7,475			
Reserve HQ Automation (BE4000)	A			0			860			855			913
High Performance Computing (BE4152)	A			0			464			461			458
HQ Management Information Sys. (BE4161)	A			7,659			7,564			6,513			6,135
MACOM Automation Systems (BE4162)	A			9,100			14,995			22,459			17,795
Medical Automation Systems (BE4163)	A			1,153			1,614			1,868			1,808
Personnel Automation Systems (BE4164)	A			14,219			23,610			41,071			38,964
Logistics Automation Systems (BE4166)	A			49			4,983			4,930			5,038
Strategic Wargaming (BE4170)	A			3,150									
Sustaining Base Info Svc (SBIS) (BE4200)	A			1,500			119			19,218			23,608
TOTAL				46,819			83,378			132,751			122,283

REPORTS CONTROL SYMBOL DD-COMP(AR) 1092	BUDGET ITEM JUSTIFICATION SHEET	DATE February 1995

APPROPRIATION / BUDGET ACTIVITY	P-1 ITEM NOMENCLATURE
Other Procurement, Army 2 - Communications and Electronics Equipment	OPTICAL DIGITAL EQUIP (BD3956)

	FY 94	FY 95	FY 96	FY 97	FY 98	FY 99	FY 00	FY 01
QUANTITY								
COST (In Millions)	$ 2.0	$ 2.9	$ 2.6	$ 3.9	$ 3.5	$ 3.2	$ 2.5	$ 2.5

DESCRIPTION:
This budget line supports high payoff initiatives to replace obsolete, inefficient records management systems with state-of-the-art optical digital equipment and other electronic recordkeeping system. 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) will provide an electronic system for the maintenance of military personnel files at headquarters level Army Personnel Records Management Centers for Active Army, Army National Guard, and Army Reserve. PERMS will convert current paper and microfiche personnel files to digital images. PERMS will allow for selective retrieval of individual files, groups of files or individual documents within these files. Retrieval selections can be individually tailored to the needs of the soldier, their personnel managers and selection/promotion boards.

The Standard Army Computer Output Microform (STACOM) is a centrally managed program begun in FY 92 to achieve a $40 - $50 million cost avoidance through COM production of report data. To support end user requirements and maintain state-of-the-art capability, STACOM systems must be periodically upgraded. Modernization of two large records management systems, the Crime Records Center System and the Intelligence Records Repository System, will eliminate manual filing and retrieval of over 93million Army paper files. The transition to modern electronic storage and retrieval of these files will improve service to MACOMs and improve management of Army civilian and military personnel.

JUSTIFICATION: PERMS: FY 96/97 funds will support purchasing additional storage capacity and enhanced functionality and technology insertion.

STACOM II: FY 96/97 funds support continued enhancement of the existing Army-owned Standard Army Computer Output Microform (STACOM) systems and modernization of two large scale records management systems, the Crime Records Center System and Intelligence Records Respository System.

WEAPON SYSTEM COST ANALYSIS EXHIBIT (P-5)	A. APPROPRIATION/TITLE/NO. OPA 2 - Communications and Electronics Equipment				B. WEAPON MODEL/SERIES/POPULAR NAME OPTICAL DIGITAL EQUIP (ODE) (BD3956)						C. MANUF. Numerous See 5a.	D. DATE February 1995	
WEAPON SYSTEM COST ELEMENTS	IDENT CODE	FY 94 Unit Cost	FY 94 Qty	FY 94 Total Cost	FY 95 Unit Cost	FY 95 Qty	FY 95 Total Cost	FY 96 Unit Cost	FY 96 Qty	FY 96 Total Cost	FY 97 Unit Cost	FY 97 Qty	FY 97 Total Cost
PERMS	A	VAR	VAR	1,996	VAR	VAR	1,215	VAR	VAR	1,378	VAR	VAR	3,004
STACOM II	A				VAR	VAR	1,689	VAR	VAR	1,185	VAR	VAR	928
TOTAL				1,996			2,904			2,563			3,932

BUDGET PROCUREMENT HISTORY AND PLANNING EXHIBIT (P - 5A)

A. DATE: February 1995

B. APPROPRIATION / BUDGET ACTIVITY: Other Procurement, Army 2 - Communications and Electronics Equipment

C. P-1 ITEM NOMENCLATURE: OPTICAL DIGITAL EQUIPMENT (BD3956)

LINE ITEM / FISCAL YEAR	CONTRACTOR	CONTRACT METHOD AND TYPE	CONTRACTED BY	AWARD DATE	DATE OF FIRST DELIVERY	QTY	UNIT COST	SPEC AVAIL NOW	SPEC REVIS REQ'D	IF YES, WHEN AVAIL
PERMS:										
Addl Storage Technology Insertion										
FY94	PRC	OPTION*	ISSAA	APR 94	JUL 94	VAR**	VAR**			
FY95	PRC	OPTION*	ISSAA	MAR 95	JUN 95	VAR**	VAR**	YES	NO	
FY96	PRC	OPTION*	ISSAA	OCT 95	JAN 96	VAR**	VAR**	YES	NO	
FY97	PRC	OPTION*	ISSAA	OCT 96	JAN 97	VAR**	VAR**	YES	NO	
STACOM II:										
STACOM II (JMIPS) Upgrade										
FY95	KODAK	OPTION*	ISSAA	DEC 94	JAN 95	VAR#	VAR#			
FY96	KODAK	OPTION*	ISSAA	DEC 95	JAN 96	VAR#	VAR#	YES	NO	
FY97	KODAK	OPTION*	ISSAA	DEC 96	MAY 97	VAR#	VAR#	YES	NO	
Optical Digital Imaging Equipment (ODIE)										
FY95	VAR***	C/FP	Ft. Meade	FEB 95	MAR 95	6	VAR#	YES	NO	
FY96	VAR***	C/FP	Ft. Meade	DEC 95	MAY 96	2	VAR#	YES	NO	

D. Remarks:

PRC-Planning Research Corp., Maclean, Va.

JMIPS-Joint Multi-Media Info Processing Systems

SAA-Information Systems Selection and Acquisition Agency

KODAK, Arlington, Va.

ption to existing C/FP contract

**Buys additional terminals & juke box storage units to meet various site configurations.

#Option will consist of multiple sites and unique unit costs.

***Kajax Engineering Inc., Arlington, Va.; Ensure Inc., Columbia, Md.; Planning Research Corp., Maclean, Va.

REPORTS CONTROL SYMBOL DD-COMP(AR) 1092	BUDGET ITEM JUSTIFICATION SHEET	DATE February 1995

APPROPRIATION / BUDGET ACTIVITY	P-1 ITEM NOMENCLATURE
Other Procurement, Army 2 - Communications and Electronics Equipment	STRATEGIC WARGAMING (BE4170)

	FY 94	FY 95	FY 96	FY 97	FY 98	FY 99	FY 00	FY 01
QUANTITY								
COST (In Millions)	$ 3.2	$ 0.0	$ 0.0	$ 0.0	$ 0.0	$ 0.0	$ 0.0	$ 0.0

DESCRIPTION: The U.S. Army War College (USAWC) will establish a Strategic Wargaming Operations Group Special Security Office and Army Worldwide Military Command and Control System (WWMCCS) Information System (AWIS) Center. Additionally, there will be a consolidation of all installation voice/data and record communications systems in this facility. Support for the Army operational mission requirements, Strategic Wargaming and Commanders-in-Chief (CINC) level conferencing are also to be consolidated into the new building. Implementation of the Information Mission Area (IMA) systems requires the engineering, furnishing, installing, and testing of systems to include Local Area Networks (LANs); Switched Video for generation and display on large screens, conference rooms, and wargaming rooms; translation audio system; secure intercom for wargaming; and relocation and expansion of the Video Teleconferencing Center (VTC). This project will meet the requirement from the Army Chief of Staff (CSA) and Deputy Chief of Staff for Operations (DCSOPS) for the USAWC to support Army level operational missions and warfighting through strategic level wargaming, simulations, symposia, Commander in Chief (CINC) conferences, and similar functions.

(ID CODE A)

WEAPON SYSTEM COST ANALYSIS EXHIBIT (P-5)	A. APPROPRIATION/TITLE/NO. OPA 2 - Communications and Electronics Equipment				B. WEAPON MODEL/SERIES/POPULAR NAME STRATEGIC WARGAMING (BE4170)						C. MANUF. Numerous See 5a.	D. DATE February 1995	
WEAPON SYSTEM COST ELEMENTS	IDENT CODE	FY 94 Unit Cost	FY 94 Qty	FY 94 Total Cost	FY 95 Unit Cost	FY 95 Qty	FY 95 Total Cost	FY 96 Unit Cost	FY 96 Qty	FY 96 Total Cost	FY 97 Unit Cost	FY 97 Qty	FY 97 Total Co
Procurement of new equipment, (Local area network components, video switch equipment, large screen displays, monitors, video origination equipment, audio components), and relocation of existing equipment (Data processing center, high frequency radios, news services, Video Teleconferencing Center, Army Worldwide Military Command and Control System), first year warranty extension and New Equipment Training.	A	VAR	VAR	3,150									
TOTAL				3,150									

BUDGET PROCUREMENT HISTORY AND PLANNING EXHIBIT (P - 5A)

A. DATE: February 1995

B. APPROPRIATION / BUDGET ACTIVITY: Other Procurement, Army 2 - Communications and Electronics Equipment

C. P-1 ITEM NOMENCLATURE: STRATEGIC WARGAMING (BE4170)

LINE ITEM / FISCAL YEAR	CONTRACTOR	CONTRACT METHOD AND TYPE	CONTRACTED BY	AWARD DATE	DATE OF FIRST DELIVERY	QTY	UNIT COST	SPEC AVAIL NOW	SPEC REVIS REQ'D	IF YES, WHEN AVAIL
System Hardware, Installation, & Test FY 94	E-Systems, Inc	C/FP/OPTION	CECOM	DEC 93	FEB 94	VAR *	VAR *			

D. Remarks:

E-System, Inc, Garland, TX

* The subsystems provided under this program are to be engineered, furnished, installed, and tested at a specific site and have no standard production cost.

REPORTS CONTROL SYMBOL DD-COMP(AR) 1092	BUDGET ITEM JUSTIFICATION SHEET	DATE February 1995
APPROPRIATION / BUDGET ACTIVITY Other Procurement, Army 2 - Communications and Electronics Equipment	P-1 ITEM NOMENCLATURE ACQUISITION INFORMATION MANAGEMENT (AIM) (BE2000)	

	FY 94	FY 95	FY 96	FY 97	FY 98	FY 99	FY 00	FY 01
QUANTITY								
COST (In Millions)	$ 0.0	$ 3.0	$ 0.0	$ 0.0	$ 0.0	$ 0.0	$ 0.0	$ 0.0

DESCRIPTION: The Acquisition Information Management (AIM) system is the sole acquisition information initiative which will support the Army acquisition community in a multi-level secure environment. AIM will provide an integrated executive information system capability, which will promote efficiencies in program execution and facilitate statutory reporting from the lowest levels of the acquisition process to Congress. AIM will also provide standard DOD acquisition management data for joint weapon system programs, facilitate the exchange of timely, accurate information in a standard reusable format, and improve the decision making process of managers at all levels.
AIM features incremental development and rapid prototyping. This acquisition process will streamline and expedite the procurement of an information system in support of the Army Acquisition Corps (AAC) acquisition management reporting requirements by using Commercial Off the Shelf (COTS) and Non-Developmental Item (NDI) products. The long term AIM objective is to provide the Army leadership with a common, multi-level secure, research, development, and acquisition (RDA) information infrastructure by linking acquisition community networks and providing access to authorized users at all levels. Data within the network will be collected, reviewed, validated, controlled, and retransmitted to users to meet Army and DOD RDA information management needs. AIM will provide the AAC with the requisite tools to support executive decision making; to improve acquisition information accuracy and timeliness through data sharing, elimination of redundant data entries and reduction in erroneous data. AIM will provide the infrastructure to process and transmit data in classified and unclassified environments.

(ID CODE A)

WEAPON SYSTEM COST ANALYSIS EXHIBIT (P-5)	A. APPROPRIATION/TITLE/NO. OPA 2 - Communications and Electronics Equipment				B. WEAPON MODEL/SERIES/POPULAR NAME ACQUISITION INFORMATION MANAGEMENT (AIM)(BE200				C. MANUF. Numerous See 5a.				D. DATE February 1995		
WEAPON SYSTEM COST ELEMENTS	IDENT CODE	FY 94 Unit Cost	FY 94 Qty	FY 94 Total Cost	FY 95 Unit Cost	FY 95 Qty	FY 95 Total Cost	FY 96 Unit Cost	FY 96 Qty	FY 96 Total Cost	FY 97 Unit Cost	FY 97 Qty	FY 97 Total Cost		
OSE Compliant Infrastructure	A				VAR	VAR	3,011								
TOTAL							3,011								

BUDGET PROCUREMENT HISTORY AND PLANNING EXHIBIT (P - 5A)

A. DATE: February 1995

APPROPRIATION / BUDGET ACTIVITY: Other Procurement, Army 2 - Communications and Electronics Equipment

C. P-1 ITEM NOMENCLATURE: ACQUISITION INFORMATION MANAGEMENT (AIM) (BE2000)

LINE ITEM / FISCAL YEAR	CONTRACTOR	CONTRACT METHOD AND TYPE	CONTRACTED BY	AWARD DATE	DATE OF FIRST DELIVERY	QTY	UNIT COST	SPEC AVAIL NOW	SPEC REVIS REQ'D	IF YES, WHEN AVAIL
Data Servers & Process/Data Servers FY95	Loral Fed Sys., Oswego, NY.	C/FP	ISSAA	FEB 95	MAR 95	VAR*	VAR*	YES	NO	
Assosciated Communications Infrastructure FY95	AT&T, Greensboro, NC.	C/FP	ISSAA	FEB 95	MAR 95	VAR*	VAR*	YES	NO	
COTS Software FY95	Loral Fed Sys., Oswego, NY.	C/FP	ISSAA	FEB 95	MAR 95	VAR*	VAR*	YES	NO	
Multi-Functional Workstations FY95	Loral Fed Sys., Oswego, NY.	C/FP	ISSAA	FEB 95	MAR 95	VAR*	VAR*	YES	NO	
Printers FY95	Loral Fed Sys., Oswego, NY.	C/FP	ISSAA	FEB 95	MAR 95	VAR*	VAR*	YES	NO	

D. Remarks:

*Unit costs vary by configuration. Quantities vary to meet specific needs of developmental, design/testing, and prototype test bed sites.

COTS-Commercial Off the Shelf

REPORTS CONTROL SYMBOL DD-COMP(AR) 1092	BUDGET ITEM JUSTIFICATION SHEET	DATE February 1995

APPROPRIATION / BUDGET ACTIVITY	P-1 ITEM NOMENCLATURE
Other Procurement, Army 2 - Communications and Electronics Equipment	NG REFORM INITIATIVE - TITLE XI (BE3800)

	FY 94	FY 95	FY 96	FY 97	FY 98	FY 99	FY 00	FY 01
QUANTITY								
COST (In Millions)	$ 0.0	$ 0.0	$ 7.5	$ 0.0	$ 0.0	$ 0.0	$ 0.0	$ 0.0

DESCRIPTION:

This program is a new initiative in support of the Army National Guard Combat Readiness Reform Act of 1992. It implements Title XI, Ground Force Readiness Enhancement. Funds will provide automation/communications infrastructure necessary for Forces Command (FORSCOM) to support the training of National Guard (NG) units at FORSCOM installations. Primary emphasis is to comply with the Readiness Reform Act by providing mandated training and equipment.

JUSTIFICATION:

FY 96 funds will buy non-tactical trunked radio systems and departmental LANs at selected FORSCOM installations. FORSCOM will use these funds to implement non-tactical trunked radio systems (NTTR) on FORSCOM installations training NG units. The NTTR system permits multiple users and talk groups to share frequencies, thereby conserving the frequency spectrum. The NTTR system will save funds by eliminating the need for numerous radio nets on the installation and widespread use of cellular phones. The enhanced infrastructure has a direct correlation to quality of training given. Funds will also be used to provide automation support to NG units receiving training on FORSCOM installations. This will include mobilization and reconstitution support for deployed units, and connectivity to the installation backbone LAN at FORSCOM installations (not covered under other centrally managed programs). Funds will bridge shortfalls and capability to conduct day to day business at the installation, and link automation resources within an office or building to the backbone LAN. 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 platforms is severely handicapped without the full integration of functional LANs for command and control, supply, transportation, finance, medical support, etc.

WEAPON SYSTEM COST ANALYSIS EXHIBIT (P-5)	A. APPROPRIATION/NO. OPA 2 - Communications and Electronics Equipment	B. WEAPON MODEL/SERIES/POPULAR NAME NG REFORM INITIATIVE - TITLE XI (BE3800)	C. MANUF. Numerous See 5a.	D. DATE February 1995

WEAPON SYSTEM COST ELEMENTS	IDENT CODE	FY 94 Unit Cost	FY 94 Qty	FY 94 Total Cost	FY 95 Unit Cost	FY 95 Qty	FY 95 Total Cost	FY 96 Unit Cost	FY 96 Qty	FY 96 Total Cost	FY 97 Unit Cost	FY 97 Qty	FY 97 Total C
Installation Non - Tactical Trunked Radio Systems	A							VAR	VAR	5,622			
Departmental Local Area Networks (LANs)	A							VAR	VAR	1,853			
TOTAL				0			0			7,475			0

BUDGET PROCUREMENT HISTORY AND PLANNING EXHIBIT (P - 5A)

A. DATE: February 1995

B. APPROPRIATION / BUDGET ACTIVITY
Other Procurement, Army 2 - Communications and Electronics Equipment

C. P-1 ITEM NOMENCLATURE
NG REFORM INITIATIVE - TITLE XI (3800)

LINE ITEM / FISCAL YEAR	CONTRACTOR	CONTRACT METHOD AND TYPE	CONTRACTED BY	AWARD DATE	DATE OF FIRST DELIVERY	QTY	UNIT COST	SPEC AVAIL NOW	SPEC REVIS REQ'D	IF YES, WHEN AVAIL
Non - Tactical Trunked Radio Systems	TBS	C/FP	FORSCOM	Nov 95 **	Jan-96	VAR *	VAR *	YES	NO	
Departmental Local Area Networks (LANs)	TBS	C/FP	FORSCOM	Nov 95 **	Jan-96	VAR *	VAR *	YES	NO	

REMARKS:
* Quantities and unit costs vary by site configuration.
** Multiple awards throughout the fiscal year.

REPORTS CONTROL SYMBOL DD-COMP(AR) 1092	BUDGET ITEM JUSTIFICATION SHEET	DATE February 1995

APPROPRIATION / BUDGET ACTIVITY	P-1 ITEM NOMENCLATURE
Other Procurement, Army 2 - Communications and Electronics Equipment	RESERVE HQ AUTOMATION (BE4000)

	FY 94	FY 95	FY 96	FY 97	FY 98	FY 99	FY 00	FY 01
QUANTITY								
COST (In Millions)	$ 0.0	$ 0.9	$ 0.9	$ 0.9	$ 0.9	$ 0.9	$ 2.1	$ 2.1

DESCRIPTION:

US Army Reserve Information Management Master Plan (USAR IMMP) provides automation support for Headquarters, US Army Reserve Personnel Center (ARPERCEN) missions, to include providing for Total Army mobilization with trained personnel through command and control, providing life cycle personnel management for Army reserve soldiers, and providing personnel services and administrative support to Army Veterans. The Total Army Personnel Data Base (TAPDB) Reserve is the "Top-Of-The-System" central repository of Reserve Personnel data in support of the Army's Personnel Enterprise System. ARPERCEN is responsible for providing the data necessary for the implementation of the Reserve Component Automation System (RCAS), developing interim interface systems that support phased fielding of RCAS, and developing end-state interfaces between TAPDB-Reserve and RCAS.

JUSTIFICATION:

FY 96/97 funds will buy the upgrade of Army's Personnel Enterprise System Platform and will provide initial interface support between TAPDB-Reserve to assist in the implementation of the phased fielding of RCAS; the Army build-down; and the modernization of the mobilization process based upon lessons learned during Desert Storm. As the Active, Reserve, and the National Guard draw-down, ARPERCEN's missions increase in size and scope. ARPERCEN has over 2.2million soldiers' records in TAPDB-Reserve and a database of over 25million Veterans and Retirees, dating back to 1917. These customers deserve the best service possible. If ARPERCEN is to provide adequate support to handle the increased workload and improve quality of service, the business processes must be reengineered and supported with adequate ADP equipment.

WEAPON SYSTEM COST ANALYSIS EXHIBIT (P-5)	A. APPROPRIATION/TITLE/NO. OPA 2 - Communications and Electronics Equipment				B. WEAPON MODEL/SERIES/POPULAR NAME RESERVE HQ AUTOMATION (BE4000)						C. MANUF. Numerous See 5a.	D. DATE February 1995	
WEAPON SYSTEM COST ELEMENTS	IDENT CODE	FY 94 Unit Cost	FY 94 Qty	FY 94 Total Cost	FY 95 Unit Cost	FY 95 Qty	FY 95 Total Cost	FY 96 Unit Cost	FY 96 Qty	FY 96 Total Cost	FY 97 Unit Cost	FY 97 Qty	FY 97 Total Cost
USA RESERVE INFORMATION MANAGEMENT MASTER PLAN (USAR IMMP)	A				860	1	860	855	1	855	913	1	913
TOTAL							860			855			913

BUDGET PROCUREMENT HISTORY AND PLANNING EXHIBIT (P - 5A)

A. DATE: February 1995

B. APPROPRIATION / BUDGET ACTIVITY
Other Procurement, Army 2 - Communications and Electronics Equipment

C. P-1 ITEM NOMENCLATURE
RESERVE HQ AUTOMATION (BE4000)

LINE ITEM / FISCAL YEAR	CONTRACTOR	CONTRACT METHOD AND TYPE	CONTRACTED BY	AWARD DATE	DATE OF FIRST DELIVERY	QTY	UNIT COST	SPEC AVAIL NOW	SPEC REVIS REQ'D	IF YES, WHEN AVAIL
USAR IMMP:										
Army's Personnel Enterprise System										
FY95	EDS	C/FP	DSSW	APR 95	JUL 95	1	860	YES	NO	
FY96	EDS	C/FP	DSSW	MAY 96	SEP 96	1	855	YES	NO	
FY97	EDS	C/FP	DSSW	APR 97	JUN 97	1	913	YES	NO	

D. Remarks:
EDS-Electronic Data Systems, Plano, Tx.
DSSW-Defense Supply Service-Washington

REPORTS CONTROL SYMBOL D-COMP(AR) 1092	BUDGET ITEM JUSTIFICATION SHEET	DATE February 1995

APPROPRIATION / BUDGET ACTIVITY	P-1 ITEM NOMENCLATURE
Other Procurement, Army 2 - Communications and Electronics Equipment	SUSTAINING BASE INFO SVC (SBIS) (BE4200)

	FY 94	FY 95	FY 96	FY 97	FY 98	FY 99	FY 00	FY 01
QUANTITY								
COST (In Millions)	$ 1.5	$ 0.1	$ 19.2	$ 23.6	$ 27.2	$ 14.6	$ 14.6	$ 14.6

DESCRIPTION:
The SBIS program will transition the Army's sustaining base information processing, including applications software and the infrastructure needed to support it, into an Open Systems Environment (OSE). The OPA funding provides for the acquisition of computer hardware, executive software, software tools, and communications in support of sustaining base OSE applications.

JUSTIFICATION:
The contract for the SBIS Open Systems Environment (OSE) compliant automation infrastructure and applications software was awarded in June 1993. An OSE Proof of Concept Test is being conducted. The FY 93 automation infrastructure acquisitions in support of this test were funded with OSD CIM funds. FY 96 OPA continues fielding of infrastructure to support the initial group of OSE applications beyond the 12 test sites. The final mix of workstations, processors, servers and related commercial-off-the-shelf software and communications per site will be determined by site surveys. FY 96 OPA will buy 19 Increment I sites
FY 97 funds will buy 21 Increment I sites and the initial Increment II sites to begin testing and validation of Increment II software.

(ID CODE A)

WEAPON SYSTEM COST ANALYSIS EXHIBIT (P-5)	A. APPROPRIATION/NO. OPA 2 - Communications and Electronics Equipment	B. WEAPON MODEL/SERIES/POPULAR NAME SUSTAINING BASE INFO SVC (SBIS) (BE4200)	C. MANUF. Numerous See 5a.	D. DATE February 1995

WEAPON SYSTEM COST ELEMENTS	IDENT CODE	FY 94 Unit Cost	FY 94 Qty	FY 94 Total Cost	FY 95 Unit Cost	FY 95 Qty	FY 95 Total Cost	FY 96 Unit Cost	FY 96 Qty	FY 96 Total Cost	FY 97 Unit Cos	FY 97 Qty	FY 97 Total C
Infrastructure to complete Proof of Concept Site	A	VAR	VAR	1500									
Infrastructure to include: Workstations NCR 3550 Data Servers NCR 3450 Process/Data Servers COTS Software Associated Communications Infrastructure Printers	A				VAR	VAR	119	VAR	VAR	19,218	VAR	VAR	23,608
TOTAL				1,500			119			19,218			23,608

BUDGET PROCUREMENT HISTORY AND PLANNING EXHIBIT (P-5A)

A. DATE: February 1995

B. APPROPRIATION / BUDGET ACTIVITY
Other Procurement, Army 2 - Communications and Electronics Equipment

C. P-1 ITEM NOMENCLATURE
SUSTAINING BASE INFO SVC (SBIS) (BE4200)

LINE ITEM / FISCAL YEAR	CONTRACTOR	CONTRACT METHOD AND TYPE	CONTRACTED BY	AWARD DATE	DATE OF FIRST DELIVERY	QTY	UNIT COST	SPEC AVAIL NOW	SPEC REVIS REQ'D	IF YES, WHEN AVAIL
SBIS OSE Devices*										
FY 94	PRC, McLean, VA	C/FP	ISSAA	Mar-94	Apr-94	VAR**	VAR**			
FY 95	LORAL Federal Sys Co. Oswego, NY	C/FP/Option	ISSAA	Feb-95	Apr-95	VAR**	VAR**	YES	NO	
FY 96	LORAL Federal Sys Co. Oswego, NY	C/FP/Option	ISSAA	Dec-95	Mar-96	VAR**	VAR**	YES	NO	
FY 97	LORAL Federal Sys Co. Oswego, NY	C/FP/Option	ISSAA	Dec-96	Mar-97	VAR**	VAR**			

REMARKS:

** Unit costs vary by configuration.
Quantities vary to meet specific needs at variety of functional work centers.

REPORTS CONTROL SYMBOL DD-COMP(AR) 1092	BUDGET ITEM JUSTIFICATION SHEET	DATE February 1995

APPROPRIATION / BUDGET ACTIVITY	P-1 ITEM NOMENCLATURE
Other Procurement, Army 2 - Communications and Electronics Equipment	INSTALLATION SUPPORT MODULE (ISM) (BD3010)

	FY 94	FY 95	FY 96	FY 97	FY 98	FY 99	FY 00	FY 01
QUANTITY								
COST (In Millions)	$ 1.5	$ 0.0	$ 0.0	$ 0.0	$ 0.0	$ 0.0	$ 0.0	$ 0.0

DESCRIPTION:
Installation Support Module (ISM) will automate and integrate multi-functional day-to-day installation processes. ISM is an Army program to standardize/centrally manage selected installation level functional software applications and their supporting automation infrastructure. ISM will replace multiple command, installation unique, manual and stand-alone automated systems with a comprehensive integrated set of modular applications. ISM will reduce sustainment costs, improve data accuracy, and improve overall installation management by reducing multiple installation level systems and databases.

(ID CODE A)

(ID CODE A)

WEAPON SYSTEM COST ANALYSIS EXHIBIT (P-5)	A. APPROPRIATION/TITLE/NO. OPA 2 - Communications and Electronics Equipment				B. WEAPON MODEL/SERIES/POPULAR NAME INSTALLATION SUPPORT MODULE (ISM) (BD3010)						C. MANUF. Numerous See 5a.	D. DATE February 1995	
WEAPON SYSTEM COST ELEMENTS	IDENT CODE	FY 94 Unit Cost	FY 94 Qty	FY 94 Total Cost	FY 95 Unit Cost	FY 95 Qty	FY 95 Total Cost	FY 96 Unit Cost	FY 96 Qty	FY 96 Total Cost	FY 97 Unit Cost	FY 97 Qty	FY 97 Total Cost
Installation Infrastructure (includes PCs, Workstations, Printers, & required connectivity	A	VAR	VAR	1,546									
TOTAL				1,546									

BUDGET PROCUREMENT HISTORY AND PLANNING EXHIBIT (P - 5A)

A. DATE: February 1995

APPROPRIATION / BUDGET ACTIVITY: Other Procurement, Army 2 - Communications and Electronics Equipment

C. P-1 ITEM NOMENCLATURE: INSTALLATION SUPPORT MODULE (ISM) (BD3010)

LINE ITEM / FISCAL YEAR	CONTRACTOR	CONTRACT METHOD AND TYPE	CONTRACTED BY	AWARD DATE	DATE OF FIRST DELIVERY	QTY	UNIT COST	SPEC AVAIL NOW	SPEC REVIS REQ'D	IF YES, WHEN AVAIL
Installation Infrastructure FY94	Planning Research Corp., Maclean, Va.	C/FP	Ft. Belvoir	MAR 94	MAY 94	VAR*	VAR**			

D. Remarks:

*Quantities vary to meet specific needs at a variety of functional work centers

**Unit costs vary by configuration

REPORTS CONTROL SYMBOL DD-COMP(AR) 1092	BUDGET ITEM JUSTIFICATION SHEET	DATE February 1995
APPROPRIATION / BUDGET ACTIVITY Other Procurement, Army 2 - Communications and Electronics Equipment	P-1 ITEM NOMENCLATURE STRATEGIC LOGISTICS PROGRAM (SLP) (BD7000)	

	FY 94	FY 95	FY 96	FY 97	FY 98	FY 99	FY 00	FY 01
QUANTITY								
COST (In Millions)	$ 6.4	$ 23.3	$ 25.3	$ 23.6	$ 27.0	$ 29.8	$ 29.8	$ 29.8

DESCRIPTION: This budget line assigned to the Strategic Logistics Agency (SLA), one of 15 Agencies with implementation responsibility, has been developed to support the Total Distribution Program (TDP) a Vice Chief of Staff, Army directed initiative to correct the deficiencies in the distribution of materiel, equipment, personnel replacements and mail which occurred during Operation Desert Shield/Storm. The TDP supports Program Budget Decision (PBD) 731, "Improving Logistics Support in Combat Zones." Lessons Learned during Desert Shield/Storm revealed that the materiel distribution system suffered from chronic problems. System users ordered the same part over and over. Backlogs developed at both CONUS and theater ports. Shipping and receiving documentation was missing or inadequate. Over 40,000 containers were shipped into theater and about 25,000 had to be opened to determine contents. Resupply of spare parts was ineffective, and equipment was deadlined. The TDP is an initiative whose purpose is to develop an effective distribution pipeline with Total Asset Visibility (TAV) from origin to destination. Critical corrective actions include development and fielding of assured 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 foundation of the TDP is the Total Distribution Action Plan (TDAP), developed by a Task Force under the direction of the Army DCSLOG and approved by the VCSA on 27 May 92. The TDAP identifies 140 problem areas with milestones for implementing corrective actions. Approximately 15 Army and Joint agencies have implementing responsibilities. This budget line reflects the funding necessary to implement key fixes for issues assigned to one agency.

JUSTIFICATION: FY96/97 Funding will be used to develop assured communications for transmission of logistics information both within a theater of operations and between the theater and sustaining base. Work is underway to interface the Tactical Packet Network operating in the tactical environment with communications architecture of the sustaining base systems, enabling the warfighter to pass data to the sustaining base. The lack of such assured communications was a critical shortfall hampering the distribution process during the Gulf War. In addition, the FY96/97 funding will support the development of source data automation capability which will be able to generate "tags" or Automated Information Technology (AIT), a capability to enhance tracking of critical materiel through the distribution pipeline. The tags can be read at a distance while assets are moving through or being stored at DOD facilities. Container contents can be identified in an austere environment without access to an automated system and receipt processing will be enhanced, thus shortening the distribution pipeline.

WEAPON SYSTEM COST ANALYSIS EXHIBIT (P-5)	A. APPROPRIATION/TITLE/NO. OPA 2 - Communications and Electronics Equipment				B. WEAPON MODEL/SERIES/POPULAR NAME STRATEGIC LOGISTICS PROGRAM SLP) (BD7000)						C. MANUF. Numerous See 5a.	D. DATE February 1995	
WEAPON SYSTEM COST ELEMENTS	IDENT CODE	FY 94 Unit Cost	FY 94 Qty	FY 94 Total Cost	FY 95 Unit Cost	FY 95 Qty	FY 95 Total Cost	FY 96 Unit Cost	FY 96 Qty	FY 96 Total Cost	FY 97 Unit Cost	FY 97 Qty	FY 97 Total Cost
STRATEGIC LOGISTICS PROGRAM													
Total Distribution Program (TDP)/TPN-DDN Interface/Mobile Gateway Van	A	VAR	VAR	1,322	VAR	VAR	2,000	VAR	VAR	2,000			
Packet Switches upgrade AN/TTC 39 to AN/TTC 39E	A				VAR	VAR	11,669	VAR	VAR	4,400	VAR	VAR	3,931
CSS Automation Fixes Hardware & Software	A				VAR	VAR	3,160	VAR	VAR	12,413	VAR	VAR	12,711
Automation ID Technology RF Tags/ interrogators/RF Links/Solar Panels	A	VAR	VAR	674	VAR	VAR	6,425	VAR	VAR	6,525	VAR	VAR	6,990
Army Food Management Information System (AFMIS)	A	VAR	VAR	1,074									
Standard Army Maintenance System (SAMS)	A	VAR	VAR	1,000									
Standard Army Retail Supply System (SARSS)	A	VAR	VAR	2,202									
OSC	A	VAR	VAR	145									
TOTAL				6,417			23,254			25,338			23,632

BUDGET PROCUREMENT HISTORY AND PLANNING EXHIBIT (P - 5A)

A. DATE: February 1995

B. APPROPRIATION / BUDGET ACTIVITY
Other Procurement, Army 2 - Communications and Electronics Equipment

C. P-1 ITEM NOMENCLATURE
STRATEGIC LOGISTICS PROGRAM (SLP) (BD7000)

LINE ITEM / FISCAL YEAR	CONTRACTOR	CONTRACT METHOD AND TYPE	CONTRACTED BY	AWARD DATE	DATE OF FIRST DELIVERY	QTY	UNIT COST	SPEC AVAIL NOW	SPEC REVIS REQ'D	IF YES, WHEN AVAIL
SLP										
TOTAL DISTRIBUTION PROGRAM										
Mobile Gateway Van										
FY94	VAR*	C/FP	CECOM	AUG 94	SEP 94	VAR**	VAR**			
FY95	VAR*	C/FP	CECOM	FEB 95	MAY 95	VAR**	VAR**			
FY96	VAR*	C/FP	CECOM	FEB 96	MAY 96	VAR**	VAR**	YES	NO	
Packet Switch Upgrade										
FY95	GTE, Taunton, Ma.	C/FP	CECOM	APR 95	MAY 95	VAR**	VAR**	YES	NO	
FY96	GTE, Taunton, Ma.	C/FP	CECOM	JAN 95	APR 95	VAR**	VAR**	YES	NO	
FY97	GTE, Taunton, Ma.	C/FP	CECOM	JAN 96	APR 96	VAR**	VAR**	YES	NO	
CSS Auto Fixes										
FY95	Sysorex Inc.	C/FP	Ft. Belvoir	JAN 95	JUL 95	VAR**	VAR**			
FY96	TBS	C/FP	Ft. Belvoir	JAN 96	APR 96	VAR**	VAR**	YES	NO	
FY97	TBS	C/FP	Ft. Belvoir	DEC 97	MAR 97	VAR**	VAR**	YES	NO	
Automation ID Technology										
FY94	Savi Tech.,	C/FP	AF MITLA Ofc.	AUG 94	OCT 94	VAR**	VAR**			
FY95	Mountain View, Ca.	C/FP	AF MITLA Ofc.	JAN 95	MAY 95	VAR**	VAR**			
FY96	Savi Tech.,	C/FP	AF MITLA Ofc.	JAN 96	MAY 96	VAR**	VAR**	YES	NO	
FY97	Mountain View, Ca.	C/FP	AF MITLA Ofc.	JAN 97	MAY 97	VAR**	VAR**	YES	NO	

D. Remarks: Sysorex Inc., Fairfax, Va. AF MITLA Ofc.- Air Force Microcircuit Tech. Logistics Application Office

*Contractors Vary depending on component purchased.

**Qty & unit cost vary with location.

BUDGET PROCUREMENT HISTORY AND PLANNING EXHIBIT (P - 5A)

A. DATE: February 1995

B. APPROPRIATION / BUDGET ACTIVITY: Other Procurement, Army 2 - Communications and Electronics Equipment

C. P-1 ITEM NOMENCLATURE: STRATEGIC LOGISTICS PROGRAM (SLP) (BD7000)

LINE ITEM / FISCAL YEAR	CONTRACTOR	CONTRACT METHOD AND TYPE	CONTRACTED BY	AWARD DATE	DATE OF FIRST DELIVERY	QTY	UNIT COST	SPEC AVAIL NOW	SPEC REVIS REQ'D	IF YES, WHEN AVAIL
SLP (Continued):										
AFMIS										
Minicomputers with peripherals FY94	AT&T Greensboro, NC.	C/FPM-8(6)	Ft. Belvoir	JAN 94	MAR 94	VAR*	VAR*			
SAMS:										
Development Hardware FY94	Planning Research Corp. Maclean Tx.	C/FP	ISSAA	APR 94	JUN 94	VAR*	VAR*			
SARSS:										
Installation Infrastructure Hardware FY94	Electronic Data Sys. Plano, Tx.	C/FP	Ft. Belvoir	APR 94	JUN 94	VAR*	VAR*			
Objective Supply Capability:										
PCs, MODEMS, & Peripherals FY94	Electronic Data Sys. Plano, Tx.	C/FPM5(4)	Ft. Belvoir	DEC 93	MAR 94	VAR*	VAR*			

D. Remarks:

ISSAA- Information Systems Selection & Acquisition Agency

*Unit cost & Equipment configuration Requirements vary by site.

REPORTS CONTROL SYMBOL DD-COMP(AR) 1092	BUDGET ITEM JUSTIFICATION SHEET	DATE February 1995

APPROPRIATION / BUDGET ACTIVITY	P-1 ITEM NOMENCLATURE
Other Procurement, Army 2 - Communications and Electronics Equipment	HQ MANAGEMENT INFORMATION SYSTEMS (BE4161)

	FY 94	FY 95	FY 96	FY 97	FY 98	FY 99	FY 00	FY 01
QUANTITY								
COST (In Millions)	$ 7.7	$ 7.6	$ 6.5	$ 6.1	$ 5.7	$ 5.7	$ 6.0	$ 6.1

DESCRIPTION: This budget line includes a number of systems that support Army headquarters worldwide. These systems are included in Army's Information Mission Area (IMA) Modernization Plan.

JUSTIFICATION:

HQDA ADPE

Provides for information management support to HQDA across the entire Information Mission Area (IMA) spectrum. It includes initiatives approved by a joint OSA/ARSTAF senior planning group, and is reflected in the HQDA Information Management Plan (DA IMP). The FY 96/97 funds will buy IMA support including file servers, LANs, multipurpose workstations, copiers, stand-alone end-user devices, other peripherals, and decision support systems. These acquisitions will continue to improve the productivity of the senior leadership and their staffs located within the National Capital Area through improved access to functional and decision-level information. These decisions impact force structure and modernization, logistics, personnel, finance and every functional area of the Army.

LEGAL AUTOMATION ARMY-WIDE SYSTEM (LAAWS)

LAAWS is an approved STAMIS for Army law offices. It supports automated research and preparation of legal advice to Army commanders, from brigade through HQDA level, on target selections, treatment and classification of refugees and prisoners of war, military operations in occupied areas, international treaties, Law of War, etc., and assists individual soldiers with legal readiness matters. LAAWS produces different types of legal documents, including wills and powers-of-attorney. It supports automated legal research, electronic mail (through DDN connectivity), the processing and management of claims for/against the Army, and the electronic distribution of legal materials. FY96/97 funds provide for the acquisition of LANs, CD-ROM drives, software, and other peripheral equipment required to support Army law offices' automation standardization and development of an Armywide legal resources network. Automation of law offices is a critical step required to offset the effects of the Army drawdown on legal personnel. It will enable the legal staff to continue its efforts in protecting Army's interests in civil/environmental litigation, procurement fraud, and other legal claims areas. This effort is made even more urgent by today's military involvement in multinational peacekeeping/humanitarian efforts.

REPORTS CONTROL SYMBOL DD-COMP(AR) 1092	BUDGET ITEM JUSTIFICATION SHEET	DATE February 1995
APPROPRIATION / BUDGET ACTIVITY Other Procurement, Army 2 - Communications and Electronics Equipment	P-1 ITEM NOMENCLATURE HQ MANAGEMENT INFORMATION SYSTEMS (BE4161)	

(Continuation)

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. 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 data bases. These models will support studies, research, and training. Component models will be interfaced and tested for validity and consistency of representations and results. The FY 96/97 funds will procure state-of-the-art computer simulation and graphics equipment/software. 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, sustainment, policies, and enhance the overall warfighting capability of the Army. The funds will also provide for the upgrading of existing simulation/support equipment and software. AMIP directly supports Task 9, Integration of C4I Models and Simulation, of the Army Enterprise Strategy.

HOUSING OPERATIONS MANAGEMENT SYSTEM (HOMES)

HOMES is a standard management system designed to provide efficient processing of soldiers' housing needs. Since initial fielding of HOMES, Army installation Housing Offices have become dependent on the system to fulfill their mission: management of Army housing inventory and its military occupants. The current reassignment of Army units and concomitant relocation of personnel is too large an activity to be managed without an automated information system. An equipment failure effectively closes a Housing Office operation. The HOMES Project Plan includes replacement of outdated INTEL 310/320 and AT&T 3B2 hardware. INTEL Corp. no longer manufactures replacement parts for this line of computers. The increasing frequency of equipment failures and the lack of equipment replacement parts may soon jeopardize the ability of Army housing personnel to perform their mission. The HP9000 will support integration of the HOMES system with local office automation. HOMES has been revitalized using the IEF/I-CASE tool to obtain the maintenance benefits identified by CIM/DISA. HOMES has demonstrated software maintenance time reduction of 30%. Software engineered with I-CASE tools requires powerful processors, and existing equipment provides inadequate performance. Fielding I-CASE generated software requires HP9000 class equipment. FY 96/97 funds will procure HP9000 and peripheral equipment to replace current obsolete equipment.

REPORTS CONTROL SYMBOL DD-COMP(AR) 1092	BUDGET ITEM JUSTIFICATION SHEET	DATE February 1995
APPROPRIATION / BUDGET ACTIVITY Other Procurement, Army 2 - Communications and Electronics Equipment	P-1 ITEM NOMENCLATURE HQ MANAGEMENT INFORMATION SYSTEMS (BE4161)	

(Continuation)

STRATEGIC C2 FACILITIES

Provides funds for the Army Operations Center (AOC) and the Command and Control Support Agency. Funding is necessary to maintain state-of-the-art information management capability for the senior leadership of the Army and to provide a completely integrated, multi-level security system with connectivity to DoD's Global Command and Control System (GCCS). The system currently includes an Information Processing System with a variety of work-stations; a local area network (over 250 users); an Automated Message Handling System (AMHS); a Credential Access System (CAS); and a Briefing Display and Support System. A fully integrated desktop with user friendly tools and access to most Army and DoD databases is a key AOC goal. The system supports every crisis action involving the Army and allows the Senior Army Leadership and ARSTAFF Action Officers to quickly access, manipulate, and send command and control directives and mission essential information. The system supports day-to-day operations within the Army Operations Directorate as well as all crisis action and JCS exercises. FY 96/97 acquisitions include critical components for LAN, AMHS, and CAS to improve systems reliability and ensure complete compatibility with AGCCS, GCCS and other joint staff initiatives.

SITE R INTEGRATION PROGRAM (SRIP)

The Army as the Executive Agent for the Alternate Joint Communication Center (AJCC) at Site R, has responsibility for insuring the integration of the systems/improvements implemented at the AJCC. This responsibility includes planning and executing the replacement of various information systems and other IMA equipment reaching the end of their life cycle. The AJCC includes communications facilities at Site C, Site RT and the underground facility at Site R. The SRIP supports the Army Executive Agent mission. The FY 96/97 funds will support the following projects. Automation of the Communications Systems Shielded Room (CSSR) Patch and Test Facility (PTF) will automate the patch and test function so that it can be operated from the main technical control facility. This will allow the 1111th Sig Battalion to trouble shoot, manage, and test circuits from a central circuit management office. The Technical Control Automation effort will automate manual functions in the Army's Technical Control Facility (TCF) with various state-of-the-art diagnostic and alarming equipment capable of circuit establishment, communications service restoral, subsystems fault isolation, status reporting, maintenance database management, and circuit quality control. The existing manual TCF continues to have excessive circuit down time due to lack of state-of-the-art diagnostic and alarm equipment. The present method of trouble shooting and fault isolation is labor intensive and is based on technology of the 1970's. Without this automation effort the Army cannot guarantee 99.9% world wide communications reliability as mandated in Joint Staff directives. Many of the circuits maintained by the TCF are JCS required Command and Control systems which support the National Military Command Center (NMCC) Site R. The Site R LAN Integration Project will integrate 8 individual LANs within the Alternate Joint Communications Center into one multi-user Wide Area Network (WAN). The system will allow users in the network to communicate or share resources with other users. Also, there will be common access to the Fort Ritchie E-mail host, file servers, printer servers, a site bulletin board, and any mainframe system desired. Finally, this system will be able to run at multilevel secure from unclassified to Top Secret with Special Access.

(ID CODE A)

WEAPON SYSTEM COST ANALYSIS EXHIBIT (P-5)	A. APPROPRIATION/TITLE/NO. OPA 2 - Communications and Electronics Equipment				B. WEAPON MODEL/SERIES/POPULAR NAME HQ MANAGEMENT INFORMATION SYSTEMS (BE4161)						C. MANUF. Numerous See 5a.	D. DATE February 1995	
WEAPON SYSTEM COST ELEMENTS	IDENT CODE	FY 94 Unit Cost	FY 94 Qty	FY 94 Total Cost	FY 95 Unit Cost	FY 95 Qty	FY 95 Total Cost	FY 96 Unit Cost	FY 96 Qty	FY 96 Total Cost	FY 97 Unit Cost	FY 97 Qty	FY 97 Total Cost
MAPP	A	VAR	VAR	970	VAR	VAR	632						
HQDA ADPE	A	VAR	VAR	1,614	VAR	VAR	1,488	VAR	VAR	1,496	VAR	VAR	1,499
LAAWS	A	VAR	VAR	114	VAR	VAR	677	VAR	VAR	664	VAR	VAR	668
AMIP	A	VAR	VAR	248	VAR	VAR	1,380	VAR	VAR	1,373	VAR	VAR	1,409
HOMES	A	VAR	VAR	1,380	VAR	VAR	503	VAR	VAR	348	VAR	VAR	526
STRATEGIC C2 FACILITIES	A	VAR	VAR	1,850	VAR	VAR	1,432	VAR	VAR	1,501	VAR	VAR	877
SITE R INTEGRATION PROGRAM	A	VAR	VAR	1,483	VAR	VAR	1,452	VAR	VAR	1,131	VAR	VAR	1,156
TOTAL				7,659			7,564			6,513			6,135

BUDGET PROCUREMENT HISTORY AND PLANNING EXHIBIT (P - 5A)

A. DATE: February 1995

B. APPROPRIATION / BUDGET ACTIVITY: Other Procurement, Army 2 - Communications and Electronics Equipment

C. P-1 ITEM NOMENCLATURE: HQ MANAGEMENT INFORMATION SYSTEMS (BE4161)

LINE ITEM / FISCAL YEAR	CONTRACTOR	CONTRACT METHOD AND TYPE	CONTRACTED BY	AWARD DATE	DATE OF FIRST DELIVERY	QTY	UNIT COST	SPEC AVAIL NOW	SPEC REVIS REQ'D	IF YES, WHEN AVAIL
MAPP:										
Defense Simulation Internet Upgrade										
FY94	Bolt, Baranek, & Newman	C/FP	ARPA	FEB 94	MAR 94	1	210			
European Simulation After Action Review System										
FY94	SUN, Vienna, Va.	C/FP	NPIC	JAN 94	FEB 94	1	47			
Theater Transition & Sustainment Model										
FY94	Digital Equip.	C/FP	NATO	FEB 94	MAR 94	1	88			
Joint Special Operations Task Force/Analysis & Data Movement System										
FY94	Booz-Allen	C/FP	DISA	FEB 94	MAR 94	1	357			
Dynamic Analysis Replanning Tool										
FY94	SUN & MTI	C/FP	JSJ8	APR 94	MAY 94	1	78			
Distributed Collaborative Planning-Proof of Concept										
FY94	Digital Equip.	C/FP	USAREUR	APR 94	MAY 94	1	149			
CD-ROM Server										
FY94	Digital Equip.	C/FP	USAREUR	APR 94	MAY 94	1	42			
Distributed Collaborative Planning-System										
FY95	SUN, Vienna, Va.	C/FP	NPIC	DEC 94	MAR 95	1	442			

D. Remarks:
Bolt, Baranek, & Newman, Boston, Ma.
Digital Equip., Greenbelt, Md.
MTI-Manufacturing Tech. Inc.

BUDGET PROCUREMENT HISTORY AND PLANNING EXHIBIT (P - 5A)

A. DATE: February 1995

B. APPROPRIATION / BUDGET ACTIVITY: Other Procurement, Army 2 - Communications and Electronics Equipment

C. P-1 ITEM NOMENCLATURE: HQ MANAGEMENT INFORMATION SYSTEMS (BE4161)

LINE ITEM / FISCAL YEAR	CONTRACTOR	CONTRACT METHOD AND TYPE	CONTRACTED BY	AWARD DATE	DATE OF FIRST DELIVERY	QTY	UNIT COST	[illegible] AVAIL NOW	SPEC REVIS REQ'D	IF YES, WHEN AVAIL
MAPP (Continued)										
C4 Intelligence for the Warrior Planning System										
FY95	TBS	MIPR	USAREUR	FEB 95	MAR 95	1	35	YES	NO	
Distributed Collaborative Planning Network										
FY95	TBS	MIPR	USAISC	FEB 95	APR 95	1	155	YES	NO	
HQDA ADPE:										
End User Devices/LAN Components										
FY94	VAR*	C/FP	DSSW	VAR**	VAR**	VAR**	VAR**			
FY95	VAR*	C/FP	DSSW	MAR 95	JUN 95	1	1,609	YES	NO	
FY96	VAR*	C/FP	DSSW	MAR 96	JUN 96	1	1,206	YES	NO	
FY97	VAR*	C/FP	DSSW	MAR 97	JUN 97	1	1,209			
HQDA Correspondence Tracking System										
FY94	VAR*	C/FP	DSSW	VAR**	VAR**	VAR**	VAR**			
High Volume Copier										
FY94	XEROX, Wash D.C.	C/FP	DSSW	APR 94	MAY 94	1	51			
FY96	XEROX, Wash D.C.	C/FP	DSSW	APR 96	JUL 96	1	60	YES	NO	
FY97	XEROX, Wash D.C.	C/FP	DSSW	APR 97	JUL 97	1	70			

D. Remarks:

*Spectrafax Corp, Bethesda, Md.; Micro Star Inc., Jessup, Md.; Inacom Federal, Vienna, Va.; Westco, Silver Springs, Md.; Global Mgt. Systems, Bethesda, Md. Planning Research Corp., Reston, Va.; Oracle, Arlington, Va.

**Multiple awards with various quantities and unit costs.

BUDGET PROCUREMENT HISTORY AND PLANNING EXHIBIT (P - 5A)

A. DATE: February 1995

B. APPROPRIATION / BUDGET ACTIVITY: Other Procurement, Army 2 - Communications and Electronics Equipment

C. P-1 ITEM NOMENCLATURE: HQ MANAGEMENT INFORMATION SYSTEMS (BE4161)

LINE ITEM / FISCAL YEAR	CONTRACTOR	CONTRACT METHOD AND TYPE	CONTRACTED BY	AWARD DATE	DATE OF FIRST DELIVERY	QTY	UNIT COST	SPEC AVAIL NOW	SPEC REVIS REQ'D	IF YES, WHEN AVAIL
HQDA ADPE Continued:										
Mid Volume Copier										
FY96	XEROX, Wash. D.C.	C/FP	DSSW	APR 96	JUL 96	2	50	YES	NO	
FY97	XEROX, Wash. D.C.	C/FP	DSSW	APR 97	JUL 97	2	60	YES	NO	
Mini-Computer Upgrade										
FY96	WANG & IBM	C/FP	DSSW	MAY 96	AUG 96	2	50	YES	NO	
FY97	Wash. D.C.	C/FP	DSSW	JUN 97	SEP 97	2	60	YES	NO	
LAAWS:										
Wide Area Network										
FY94	WESTCO	C/FP	DSSW	JUN 94	OCT 94	1	114			
FY95	TBS	C/FP	DSSW	FEB 95	APR 95	VAR*	VAR*	YES	NO	
FY96	TBS	C/FP	Ft. Belvoir	NOV 95	JAN 96	VAR*	VAR*	YES	NO	
FY97	TBS	C/FP	Ft. Belvoir	NOV 96	JAN 97	VAR*	VAR*	YES	NO	
AMIP:										
Iris Computers & Peripherals										
FY94	Falcon & Silicon Grap.	C/FP	TRAC & AMSAA	APR 94	MAY 94	VAR*	VAR*			
FY95	Falcon & Silicon Grap.	C/FP	TRAC & AMSAA	MAR 95	JUL 95	VAR*	VAR*	YES	NO	

D. Remarks: WESTCO, Silver Springs, Md. Falcon, Lanover, Md.. Silicon Graphics, Silver Springs, Md.

*Qty and unit cost will be determined by location & configuration.

TRAC-TRADOC Analysis Center
AMSAA- Army Material Sys. Analysis Agency

BUDGET PROCUREMENT HISTORY AND PLANNING EXHIBIT (P - 5A)

A. DATE: February 1995

B. APPROPRIATION / BUDGET ACTIVITY: Other Procurement, Army 2 - Communications and Electronics Equipment

C. P-1 ITEM NOMENCLATURE: HQ MANAGEMENT INFORMATION SYSTEMS (BE4161)

LINE ITEM / FISCAL YEAR	CONTRACTOR	CONTRACT METHOD AND TYPE	CONTRACTED BY	AWARD DATE	DATE OF FIRST DELIVERY	QTY	UNIT COST	SPEC AVAIL NOW	SPEC REVIS REQ'D	IF YES, WHEN AVAIL
AMIP (Continued)										
Workstations & Peripherals										
FY94	VAR**	C/FP	VAR***	MAY 94	JUN 94	VAR*	VAR*			
FY95	VAR**	C/FP	VAR***	MAY 95	JUN 95	VAR*	VAR*	YES	NO	
FY96	VAR**	C/FP	VAR***	MAY 96	JUN 96	VAR*	VAR*	YES	NO	
FY97	VAR**	C/FP	VAR***	MAY 97	JUN 97	VAR*	VAR*			
Crimson Workstations & Peripherals										
FY96	Silicon Graphics	C/FP	TRAC & AMSAA	APR 96	MAY 97	7	57	YES	NO	
FY97	Silicon Graphics	C/FP	TRAC & AMSAA	APR 97	MAY 98	7	57			
RS 6000 Workstations										
FY96	IBM, Bethesda, Md.	C/FP	CAA	APR 96	MAY 96	2	70	YES	NO	
FY97	TBS	C/FP	CAA	APR 97	MAY 97	2	70			
Transputer & Peripherals										
FY96	TBS	C/FP	TRAC	JAN 96	FEB 96	1	150	YES	NO	
FY97	TBS	C/FP	TRAC	JAN 97	FEB 97	1	150			
HP 9000/735 Workstations & Peripherals										
FY94	Hewlett Packard	C/FP	TRAC	FEB 94	MAR 94	2	38			

D. Remarks: TRAC-Analysis Center AMSAA-Army Material Sys. Analysis Agency CAA-Concepts Analysis Agency

*Qty & unit cost vary with site & location requirements.

**Sun Microsystems, Mountain View, Ca.; Hewlett Packard, Rockville, Md.; Silicon Graphics, Silver Springs, Md.

***Aberdeen Proving Ground, Tradoc.

BUDGET PROCUREMENT HISTORY AND PLANNING EXHIBIT (P - 5A)

A. DATE: February 1995

APPROPRIATION / BUDGET ACTIVITY: Other Procurement, Army 2 - Communications and Electronics Equipment

C. P-1 ITEM NOMENCLATURE: HQ MANAGEMENT INFORMATION SYSTEMS (BE4161)

LINE ITEM / FISCAL YEAR	CONTRACTOR	CONTRACT METHOD AND TYPE	CONTRACTED BY	AWARD DATE	DATE OF FIRST DELIVERY	QTY	UNIT COST	SPEC AVAIL NOW	SPEC REVIS REQ'D	IF YES, WHEN AVAIL
AMIP (Continued):										
HP 750 Workstations & Peripherals										
FY96	Hewlett Packard	C/FP	CAA/AMSAA	JAN 96	FEB 96	5	60	YES	NO	
FY97	Rockville, Md.	C/FP	CAA/AMSAA	JAN 97	FEB 97	5	60			
Sun Sparc with Peripherals										
FY96	SUN, Mountain View,	C/FP	CAA/AMSAA	APR 96	MAY 96	2	54	YES	NO	
FY97	Ca.	C/FP	CAA/AMSAA	APR 97	MAY 97	2	54			
RS 6000-590										
FY95	IBM, Bethesda, Md.	C/FP	CAA	MAR 95	AUG 95	2	120	YES	NO	
Simlab Simsets										
FY95	TBS	C/FP	CAA	MAR 95	JUN 95	1	65	YES	NO	
Distributed QT Lab										
FY95	TBS	C/FP	CAA	MAR 95	JUN 95	1	110	YES	NO	
Controls Cluster										
FY95	TBS	C/FP	CAA	MAR 95	JUN 95	1	100	YES	NO	
Fire Supp C2/Digit Testbed										
FY95	TBS	C/FP	OPTEC	FEB 95	MAY 95	1	150	YES	NO	

D. Remarks:
CAA-Concepts Analysis Agency
AMSAA-Army Materiel Systems Analysis Agency
OPTEC-Operational Test & Evaluation Cmd.

BUDGET PROCUREMENT HISTORY AND PLANNING EXHIBIT (P - 5A)

A. DATE: February 1995

B. APPROPRIATION / BUDGET ACTIVITY: Other Procurement, Army 2 - Communications and Electronics Equipment

C. P-1 ITEM NOMENCLATURE: HQ MANAGEMENT INFORMATION SYSTEMS (BE4161)

LINE ITEM / FISCAL YEAR	CONTRACTOR	CONTRACT METHOD AND TYPE	CONTRACTED BY	AWARD DATE	DATE OF FIRST DELIVERY	QTY	UNIT COST	SPEC AVAIL NOW	SPEC REVIS REQ'D	IF YES, WHEN AVAIL
AMIP (Continued):										
Syn Terr Integ & Cons System										
FY95	TBS	C/FP	COE	FEB 95	MAY 95	1	75	YES	NO	
HOMES:										
Technology Insertion, System Upgrades										
FY94	Planning & Research	C/FP	DCMAO	FEB 94	APR 94	VAR *	VAR*			
FY95	Corp., Reston, Va.	C/FP	DCMAO	FEB 95	APR 95	VAR *	VAR*	YES	NO	
FY96	Planning & Research	C/FP	DCMAO	FEB 96	APR 96	VAR *	VAR*	YES	NO	
FY97	Corp., Reston, Va.	C/FP	DCMAO	FEB 97	APR 97	VAR *	VAR*			
STRATEGIC C2 FACILITIES:										
AOC Upgrades (Security Compliance, COTS Upgrades & AMH Enhancements)										
FY94	Jet Propulsion Lab.	MIPR	NASA	JAN 94	MAR 94	1	1,850			
FY95	Pasadena, Ca.	MIPR	NASA	JAN 95	MAR 95	1	1,432			
FY96	Jet Propulsion Lab.	MIPR	NASA	JAN 96	MAR 96	1	1,501	YES	NO	
FY97	Pasadena, Ca.	MIPR	NASA	JAN 97	MAR 97	1	877			

D. Remarks: DCMAO-Defense Contracting Administration Office COE-Corps of Engineers

*Qty & unit cost vary with site & location requirements.

BUDGET PROCUREMENT HISTORY AND PLANNING EXHIBIT (P - 5A)

A. DATE: February 1995

B. APPROPRIATION / BUDGET ACTIVITY
Other Procurement, Army 2 - Communications and Electronics Equipment

C. P-1 ITEM NOMENCLATURE
HQ MANAGEMENT INFORMATION SYSTEMS (BE4161)

LINE ITEM / FISCAL YEAR	CONTRACTOR	CONTRACT METHOD AND TYPE	CONTRACTED BY	AWARD DATE	DATE OF FIRST DELIVERY	QTY	UNIT COST	SPEC AVAIL NOW	SPEC REVIS REQ'D	IF YES, WHEN AVAIL
Site R Integration Program:										
NEACP Radio Upgrade FY95	USAF	MIPR	ISMA	NOV 94	JUN 95	3	242			
NEACP Radio Installation FY95	USAF	MIPR	ISMA	APR 95	JUN 95	1	100	YES	NO	
Tech Control Automation & Site Survey FY95	TBS	C/FP	ISMA	APR 95	JUN 95	1	408	YES	NO	
Site R LAN Automation FY96 FY97	TBS TBS	C/FP C/FP	Ft. Ritchie Ft. Ritchie	FEB 96 NOV 96	NOV 96 OCT 97	1 1	640 1,164	YES	NO	
NEACP Multiplexers FY94	AT&T, Silver Springs, Md	C/FP	Ft. Ritchie	MAR 94	JUL 94	3	9			
PDS Monitors FY94	RGB Tech., Reston, Va.	C/FP	Ft. Ritchie	MAR 94	JUN 94	4	9			
Fiber Optic BOM FY94	SERVE-AIR Lexington, Ky.	C/FP	Lexington Blue Grass Depot	MAR 94	JUN 94	1	546			

D. Remarks:

BUDGET PROCUREMENT HISTORY AND PLANNING EXHIBIT (P - 5A)

A. DATE: February 1995

B. APPROPRIATION / BUDGET ACTIVITY: Other Procurement, Army 2 - Communications and Electronics Equipment

C. P-1 ITEM NOMENCLATURE: HQ MANAGEMENT INFORMATION SYSTEMS (BE4161)

LINE ITEM / FISCAL YEAR	CONTRACTOR	CONTRACT METHOD AND TYPE	CONTRACTED BY	AWARD DATE	DATE OF FIRST DELIVERY	QTY	UNIT COST	SPEC AVAIL NOW	SPEC REVIS REQ'D	IF YES, WHEN AVAIL
Site R Integration Program (Continued):										
Site C Alternate Route FY94	ISEC-CONUS	MIPR	ISMA	FEB 94	MAY 94	1	875			
Patch & Test Facility Automation FY96	TBS	C/FP	Ft. Ritchie	JAN 96	DEC 96	1	500	YES	NO	
Helipad Radios & Installation FY95	US Air Force	C/FP	ISMA	APR 95	JUN 95	1	15	YES	NO	

D. Remarks:

REPORTS CONTROL SYMBOL DD-COMP(AR) 1092	BUDGET ITEM JUSTIFICATION SHEET	DATE February 1995

APPROPRIATION / BUDGET ACTIVITY	P-1 ITEM NOMENCLATURE
Other Procurement, Army 2 - Communications and Electronics Equipment	MACOM AUTOMATION SYSTEMS (BE4162)

	FY 94	FY 95	FY 96	FY 97	FY 98	FY 99	FY 00	FY 01
QUANTITY								
COST (In Millions)	$ 9.1	$ 15.0	$ 22.5	$ 17.8	$ 17.3	$ 17.5	$ 30.1	$ 32.1

DESCRIPTION:
This budget line supports automation systems requirements of Major Army Commands (MACOMs) and field activities not included in other centrally managed programs. These requirements conform with the Army's Information Mission Area (IMA) Architecture and are included in MACOM IMA Modernization Plans. Funding has been programmed to accomplish high priority/high payoff initiatives which offer efficiencies and improvements in mission support and reduce operations and maintenance costs. Acquisitions will be accomplished primarily through standard requirements contracts.

JUSTIFICATION:
MACOM AUTOMATION SYSTEMS: FY 96/97 funds will support systems modernization/life cycle replacement throughout the Army Materiel Command (AMC), Training and Doctrine Command (TRADOC), Forces Command (FORSCOM), US Army Europe (USAREUR), Military District of Washington (MDW), US Army Pacific (USARPAC), US Army Information Systems Command (USAISC), Eighth US Army (EUSA), Criminal Investigation Command (CIDC), Intelligence and Security Command (INSCOM), US Army Recruiting Command (USAREC), and Army War College (AWC). Also included are local area networks (LANs) for Army medical treatment facilities to improve data sharing and management/delivery of health care. Acquisitions include hardware, software, networking products, and peripherals that are required for MACOM/end user level systems architecture. These systems perform vital functions throughout the sustaining base, and modernization is essential to accomodate growing information processing requirements with declining manpower resources. Due to increased emphasis on expense/investment criteria for Information Mission Area (IMA) acquisitions, this budget line reflects MACOM funding realignments (OMA to OPA transfers) to ensure investment items are budgeted in the correct appropriation. In addition, OPA funding is necessary to provide life cycle replacement of obsolete information processing equipment (IPE), which will eliminate excessive maintenance costs and facilitate productivity growth through advances in information systems technology that will streamline manpower intensive operations. Funding will also support MACOM efforts to reengineer business processes and infrastructure to support leaner organizations and the needs of a force projection Army. All acquisitions have or will be supported by MACOM Information Requirements Studies and documentation in the MACOM IMA Modernization Plans, and will conform with the Army's IMA Architecture.

REPORTS CONTROL SYMBOL DD-COMP(AR) 1092	BUDGET ITEM JUSTIFICATION SHEET	DATE February 1995
APPROPRIATION / BUDGET ACTIVITY Other Procurement, Army 2 - Communications and Electronics Equipment	P-1 ITEM NOMENCLATURE MACOM AUTOMATION SYSTEMS (BE4162)	

(Continuation)

SMALL COMPUTER PROGRAM (SMC): The SMC program will provide the Army, other services, and participating agencies, with small computer systems which combine hardware, software, and networking products through a cadre of indefinite delivery/indefinite quantity contracts. FY 96/97 funds will buy procurement systems components, and tools for test and evaluation, and configuration management at the Technology Integration Center and Small Computer Program Office, to ensure systems interoperability and conformance to Army architecture.

ARMY ELECTRONIC COMMERCE: Army Electronic Commerce (EC) synthesizes the benefits of business process re-engineering and the migration from aged paper-based business processes to fully electronic processes. Using streamlined and technically innovative business practices, Army EC unites all functional areas into a cohesive electronic business network. Army EC complements other Defense-wide efforts such as the Defense Acquisition Reform, Corporate Information Management, and the Joint Computer-aided Acquisition and Logistics Support. By conducting business electronically, the Army will be able to expedite normal business transactions, particularly during surges associated with military mobilization. Army EC will facilitate the increase of administrative, transportation, contracting, and acquisition requirements which support the deployment. FY 96/97 funds will acquire hardware and software upgrades and communications for implementing Army EC based on business process re-engineering efforts and Army priorities. Implementation will be coordinated with functional proponents, OSD, and the Defense Information Systems Agency (DISA). Acquisitions will include hardware and software to accommodate translating electronic output into American National Standards Institute Electronic Data Interchange standards (ANSI X12).

ARMY DATA MANAGEMENT AND STANDARDS PROGRAM (ADMSP): The ADMSP provides the foundation for future information systems development, i.e., data models, architectures, and standard data elements. Through modeling, data is being standardized, creating the capability to share data Army-Wide, which promotes interoperability between organizations, improves accuracy, and reduces data redundancy. The derived benefits include: modernized cost effective systems, lower system maintenance costs, elimination of duplicate reports and forms, and the identification of new business methods and information system opportunities for the Army. The data models, which have been developed for information class proponents, will be further integrated into the Army Data Model (ADM). The FY 96/97 funding will support implementation through investment in automated tools for the US Army Information Systems Software Center (USAISSC) Data Management Directorate, HQDA functional proponents, and Major Army Commands (MACOMs).

REPORTS CONTROL SYMBOL DD-COMP(AR) 1092	BUDGET ITEM JUSTIFICATION SHEET	DATE February 1995
APPROPRIATION / BUDGET ACTIVITY Other Procurement, Army 2 - Communications and Electronics Equipment	P-1 ITEM NOMENCLATURE MACOM AUTOMATION SYSTEMS (BE4162)	

(Continuation)

SOFTWARE ENVIRONMENT - SOFTWARE ENGINEERING MODERNIZATION PROGRAM (SEMP): SEMP will permit Army Central Design Activities (CDA) to provide higher quality, more reliable and responsive automation software systems and services to the MACOMs at lower cost. Funding has been programmed to acquire state-of-the-art software engineering environment support for the optimization and automation of critical MACOM processes and functions. This program will result in Army automation systems which increase MACOM productivity, efficiency, and operational effectiveness; reduce operation and sustainment costs; and are developed and deployed faster at lower costs. FY 96/97 funding will support the modernization of automation systems software engineering environments with Army CDAs. Modernization is essential to accommodate rapidly escalating information processing requirements with declining manpower resources. Acquisitions include Scalable Processor Architecture (SPARC), Reduced Instruction Set Computer (RISC), hardware file servers, and engineering workstations; telecommunications equipment and software; and Integrated Computer Aided Software Engineering (I-CASE) tools required to develop, re-engineer, and provide post deployment software support for MACOM and end user automation systems. File servers support the consolidation, integration, coordination, and sharing of automation project information within and among CDAs. This supports the deployment of standard databases and software applications, increases interoperability, and eliminates duplication of functions among systems. Engineering workstations improve the productivity of project personnel. Improved telecommunications supports multi-disciplinary and cooperative work group development teams. This shortens development time and ensures delivered systems will meet operational requirements. I-CASE tools improve the quality of delivered systems, ensure consistency and completeness of information throughout a project's life cycle, provide automated generation of applications codes from information contained within the project repository, and reduce the time required for testing. The small investment cost will substantially improve end user productivity, efficiency, and operational effectiveness; and reduce recurring support costs through the elimination and consolidation of duplicative software applications and databases.

ARMY REUSE CENTER (ARC): The Army Reuse Center's mission is to ensure that DoD and Army objectives of reusable, maintainable, and reliable software are achieved. This is accomplished through the development, implementation, maintenance, and administration of a total reuse program supporting the entire software development cycle. FY 96/97 funding will be used to expand communications, hardware, and software to support the ARC's expanding Army user base. Emphasis will be placed on providing on line access to Software Development Centers, key support activities such as the Computer Science School, and selected PM's (e.g., SBA and RCAS). In addition to expanding the communication requirements, particular attention will be paid to expanding the user interface features such as expert systems and other Artificial Intelligence (AI) applications to assist the user in searching and analyzing the ARC's reusable components.

REPORTS CONTROL SYMBOL DD-COMP(AR) 1092	BUDGET ITEM JUSTIFICATION SHEET	DATE February 1995
APPROPRIATION / BUDGET ACTIVITY Other Procurement, Army 2 - Communications and Electronics Equipment	P-1 ITEM NOMENCLATURE MACOM AUTOMATION SYSTEMS (BE4162)	

(Continuation)

LOUISIANA MANEUVERS Task Force Mission - to explore and assess emerging policy options related to the Army's ability to fulfill its U.S. Code Title 10 responsibilities; participate in joint and combined operations and exercises to support warfighting CINCs; and evaluate new weapon systems, equipment, and organizations through the use of simulations in a "fly before you buy" commitment. Louisiana Maneuvers Process brings Senior Army Leaders together four times a year at General Officers Working Group (GOWG) and Board of Directors (BOD) Meetings to discuss and investigate the most pressing issues facing the Army. LAM BOD will assign issues to proponents for examination. FY 96 funding will support the following projects. (`1) Office Automation/Simulation Center. LAM-TF will acquire equipment and software to support mission requirements, effectively configure a simulation center and simulation/modeling requirements, and provide modernization and technological growth in the future. FY96/97 funds will upgrade and integrate simulation center devices to increase compatibility with other Army and joint agencies and enhance technological support within the Task Force. (2) Simulation/Modeling Tech Insertion. LAM will piggyback on existing tools, and thru modernization of these operational tools, use them as projection and "what if" environments. The tools are targeted for modernization and utilization due to collective global capacity to provide senior leadership of the Army a comprehensive visionary focus. Resources will be used to procure hardware, software, and connectivity to implement existing operational tools as enhanced and modernized versions to project the force structure and provide an operational evaluation and assessment of the warfighting impact across the continuum of the Army. Thru piggybacking on existing tools, and modernizing those tbols to be "skunk works" applications, LAM will procure devices and applications that will be used to develop the force structure of the future and view the downsizing of the Force thru visionary lenses and integrated concepts. The following tools are targeted for modernization and utilization: FOCEGEN/FORCEFLO, SABRE, ATLAS, AMP Linkage, and DEEM.

(ID CODE A)

EXHIBIT (P-5)	A. APPROPRIATION/NO. OPA 2 - Communications and Electronics Equipment				B. WEAPON MODEL/SERIES/POPULAR NAME MACOM AUTOMATION SYSTEMS (BE4162)						C. MANUF. Numerous See 5a.	D. DATE February 1995	
WEAPON SYSTEM COST ELEMENTS	IDENT CODE	FY 94 Unit Cost	FY 94 Qty	FY 94 Total Cost	FY 95 Unit Cost	FY 95 Qty	FY 95 Total Cost	FY 96 Unit Cost	FY 96 Qty	FY 96 Total Cost	FY 97 Unit Cost	FY 97 Qty	FY 97 Total Cost
MACOM AUTOMATION SYSTEMS:													
FORSCOM AUTOMATION	A	VAR	VAR	1,508	VAR	VAR	1,726	VAR	VAR	3,580	VAR	VAR	2,805
USAREUR AUTOMATION	A	VAR	VAR	557	VAR	VAR	474	VAR	VAR	1,286	VAR	VAR	886
TRADOC AUTOMATION	A	VAR	VAR	1,314	VAR	VAR	4,843	VAR	VAR	4,603	VAR	VAR	3,379
AMC AUTOMATION	A	VAR	VAR	0	VAR	VAR	1,337	VAR	VAR	3,152	VAR	VAR	2,760
MDW AUTOMATION	A	VAR	VAR	398	VAR	VAR	407	VAR	VAR	412	VAR	VAR	315
EUSA AUTOMATION	A	VAR	VAR	168	75	1	75	77	1	77	77	1	77
USARPAC AUTOMATION	A	VAR	VAR	399	VAR	VAR	192	VAR	VAR	389	VAR	VAR	389
USAREC AUTOMATION	A	VAR	VAR	270	VAR	VAR	401	VAR	VAR	512	VAR	VAR	729
USAISC AUTOMATION	A	VAR	VAR	888	VAR	VAR	1,541	VAR	VAR	1,535	VAR	VAR	1,022
AWC & INSCOM AUTOMATION	A	VAR	VAR	724	VAR	VAR	96	VAR	VAR	477	VAR	VAR	162
CIDC AUTOMATION	A	VAR	VAR	0	VAR	VAR	0	VAR	VAR	868	VAR	VAR	300
MEDICAL FACILITY LANS	A	VAR	VAR	0	VAR	VAR	0	VAR	VAR	800	VAR	VAR	800
TASA AUTOMATION (AFIS)	A	900	1	900	VAR	VAR	0	VAR	VAR	0	VAR	VAR	0
APPC AUTOMATION	A	VAR	VAR	0	VAR	VAR	0	VAR	VAR	761	VAR	VAR	300
SUBTOTAL				7,126			11,092			18,452			13,924
SMALL COMPUTER PROGRAM	A	VAR	VAR	378	VAR	VAR	250	VAR	VAR	287	VAR	VAR	264
ELECTRONIC COMMERCE	A	VAR	VAR	0	VAR	VAR	903	VAR	VAR	892	VAR	VAR	910
ARMY DATA MGT/STDS PROG	A	VAR	VAR	115	VAR	VAR	121	VAR	VAR	79	VAR	VAR	79
SOFTWARE ENVIRONMENT SPT	A	VAR	VAR	1,330	VAR	VAR	1,439	VAR	VAR	1,383	VAR	VAR	1,369
ARMY REUSE CENTER (ARC)	A	VAR	VAR	151	VAR	VAR	350	VAR	VAR	425	VAR	VAR	475
LAM AUTOMATION	A	VAR	VAR	0	VAR	VAR	840	VAR	VAR	941	VAR	VAR	774
TOTAL				9,100			14,995			22,459			17,795

BUDGET PROCUREMENT HISTORY AND PLANNING EXHIBIT (P - 5A)

A. DATE: February 1995

B. APPROPRIATION / BUDGET ACTIVITY
Other Procurement, Army 2 - Communications and Electronics Equipment

C. P-1 ITEM NOMENCLATURE
MACOM AUTOMATION SYSTEMS (BE4162)

LINE ITEM / FISCAL YEAR	CONTRACTOR	CONTRACT METHOD AND TYPE	CONTRACTED BY	AWARD DATE	DATE OF FIRST DELIVERY	QTY	UNIT COST	SPEC AVAIL NOW	SPEC REVIS REQ'D	IF YES, WHEN AVAIL
FORSCOM AUTOMATION										
FY94	VAR *	C/FP	Ft McPherson, GA	Nov-93	Feb-94	VAR *	VAR *			
FY95	VAR *	C/FP	Ft McPherson, GA	Jan-95	Apr-95	VAR *	VAR *			
FY96		C/FP								
FORSCOM Cmd Data Base	DataCom	C/FP	Ft McPherson, GA	Oct-95	Jan-96	VAR *	VAR *	YES	NO	
Office Local Area Network	TBS	C/FP	VAR *	Nov-95	Feb-96	VAR *	VAR *	YES	NO	
FORSCOM Cmd & Control Net	NAWC	C/FP	Ft McPherson, GA	Nov-95	Jan-96	VAR *	VAR *	YES	NO	
FORSCOM Automation Modern-ization Effort	TBS	C/FP	Ft McPherson, GA	Dec-95	Feb-96	VAR *	VAR *	YES	NO	
FY97										
FORSCOM Cmd Data Base	DataCom	C/FP	Ft McPherson, GA	Oct-95	Jan-96	VAR *	VAR *			
Office Local Area Network	TBS	C/FP	VAR *	Nov-95	Feb-96	VAR *	VAR *	YES	NO	
FORSCOM Cmd & Control Net	NAWC	C/FP	Ft McPherson, GA	Nov-95	Jan-96	VAR *	VAR *	YES	NO	
FORSCOM Automation Modern-ization Effort	TBS	C/FP	Ft McPherson, GA	Dec-95	Feb-96	VAR *	VAR *	YES	NO	
USAREUR AUTOMATION										
FY94										
File Server	VAR *	C/FP	Frankfurt, Germany	Jun-94	Aug-94	VAR *	VAR *			
FY95										
File Server	VAR *	C/FP	Frankfurt, Germany	Nov-94	Jan-95	VAR *	VAR *			
FY96										
File Server	TBS	C/FP	Frankfurt, Germany	Nov-95	Jan-96	VAR *	VAR *	YES	NO	
FY97										
File Server	TBS	C/FP	Frankfurt, Germany	Nov-96	Jan-97	VAR *	VAR *	YES	NO	

REMARKS:
Procurement is accomplished primarily via standard requirements contracts and by various contracting offices, resulting in multiple awards throughout the fiscal year. Quantities and unit costs vary by site and configuration.
NAWC - Naval Air Warfare Center
DataCom - Burr Ridge, IL
PRC - Planning Reaserch Corp, Inc, Reston, VA.

BUDGET PROCUREMENT HISTORY AND PLANNING EXHIBIT (P - 5A)

A. DATE: February 1995

B. APPROPRIATION / BUDGET ACTIVITY
Other Procurement, Army 2 - Communications and Electronics Equipment

C. P-1 ITEM NOMENCLATURE
MACOM AUTOMATION SYSTEMS (BE4162)

LINE ITEM / FISCAL YEAR	CONTRACTOR	CONTRACT METHOD AND TYPE	CONTRACTED BY	AWARD DATE	DATE OF FIRST DELIVERY	QTY	UNIT COST	SPEC AVAIL NOW	SPEC REVIS REQ'D	IF YES WHEN AVAIL
TRADOC AUTOMATION										
FY94										
TRADOC Integrated Multi-Media										
System (TIMS2)	Canon	C/FP	TRADOC	Mar-94	Jun-94	VAR *	1			
Distributed Training	VAR *	C/FP	TRADOC	VAR *	VAR *	VAR *	949			
Satellite Education Network to										
Compressed Digital Video (CD	AT&T	C/FP	Scott AFB	Jul-94	Jul-94	VAR *	221			
CASCOM Realignment	VAR *	C/FP	TRADOC	Sep-94	Nov-94	VAR *	8			
LAM ADPE	VAR *	C/FP	TRADOC	Sep-94	Oct-94	VAR *	135			
FY95										
Distance Learning	VAR *	C/FP	TRADOC	VAR *	VAR *	VAR *	VAR *			
Battle Labs	TBS	C/FP	TRADOC	VAR *	VAR *	VAR *	VAR *			
Desktop VTC	AT&T	C/FP	USARCCO	Nov-94	VAR *	VAR *	VAR *			
ROTC Automation	TBS	C/FP	TRADOC	VAR *	VAR *	VAR *	VAR *			
CASCOM Realignment	TBS	C/FP	TRADOC	VAR *	VAR *	VAR *	VAR *			
FY96										
Open Systems Environment	TBS	C/FP	TRADOC	Nov-95	Jan-96	VAR *	VAR *	YES	NO	
FY97										
Open Systems Environment	TBS	C/FP	TRADOC	Nov-96	Jan-97	VAR *	VAR *			
AMC AUTOMATION										
FY95		C/FP								
Minicomputer Processor Syste	PRC	C/FP	CECOM	VAR *	VAR *	VAR *	VAR *			
Library System	CSDC	C/FP	DSSW	Feb-95	May-95	1	182			
FY96										
Electronic Mailroom	TBS	C/FP	DSSW	Feb-96	May-96	1	400	YES	NO	
Minicomputer Processor Syste	PRC	C/FP	VAR *	VAR *	VAR *	VAR *	VAR *	YES	NO	

REMARKS:

* Procurement is accomplished primarily via standard requirements contracts and by various contracting offices, resulting in multiple awards throughout the fiscal year. Quantities and unit costs vary by site and configuration.

Canon - Lake Success, NY

AT&T - Greensboro, NC

PRC-Planning Reaserch Corp, Inc, Reston, VA.

CSDC - Computer Systems Development Corp, Chantilly, VA

BUDGET PROCUREMENT HISTORY AND PLANNING EXHIBIT (P - 5A)

A. DATE: February 1995

B. APPROPRIATION / BUDGET ACTIVITY
Other Procurement, Army 2 - Communications and Electronics Equipment

C. P-1 ITEM NOMENCLATURE
MACOM AUTOMATION SYSTEMS (BE4162)

LINE ITEM / FISCAL YEAR	CONTRACTOR	CONTRACT METHOD AND TYPE	CONTRACTED BY	AWARD DATE	DATE OF FIRST DELIVERY	QTY	UNIT COST	SPEC AVAIL NOW	SPEC REVIS REQ'D	IF YES, WHEN AVAIL
Minicomputer Processor Syste	PRC	C/FP	VAR *	VAR *	VAR *	VAR *	VAR *	YES	NO	
Starmaster System	TBS	C/FP	CECOM	Jan-96	Mar-96	1	119	YES	NO	
UNIX Platform	PRC	C/FP	I&SA	Dec-95	Mar-96	1	207	YES	NO	
FY97										
Digitize HQ AMC with MSCs	TBS	C/FP	DSSW	Feb-97	May-97	1	480	YES	NO	
Minicomputer Processor Syste	PRC	C/FP	VAR *	Dec-96	Mar-97	VAR *	VAR *	YES	NO	
MDW AUTOMATION										
FY94 Life cycle replacement	VAR*	C/FP	DTS-W/Ft Richie	VAR *	VAR *	VAR *	VAR *			
FY95 Life cycle replacement	VAR *	C/FP	Local	VAR *	VAR *	VAR *	VAR *			
FY96 Life cycle replacement	TBS	C/FP	DOC, Ft Belvoir	Jan-96	VAR *	VAR *	VAR *	YES	NO	
Replacement of UNISYS 5000/	TBS	C/FP	DOC, Ft Belvoir	Jan-96	VAR *	VAR *	VAR *	YES	NO	
Job Information Kiosks	TBS	C/FP	DOC, Ft Belvoir	Jan-96	VAR *	VAR *	VAR *	YES	NO	
Network CD-ROM Reg Subscri	TBS	C/FP	DOC, Ft Belvoir	Jan-96	VAR *	VAR *	VAR *	YES	NO	
Library System	TBS	C/FP	DOC, Ft Belvoir	Jan-96	VAR *	VAR *	VAR *	YES	NO	
FY97 Life cylce replacement	TBS	C/FP	DOC, Ft Belvoir	Jan-97	VAR *	VAR *	VAR *	YES	NO	
EUSA AUTOMATION										
FY94 Life cycle replacement	EDS, PRC, Dolsh	C/FP	USACCK	VAR *	VAR *	VAR *	168			
FY95 Life cycle replacement	Korea Comm	C/FP	USACCK	Jan-95	Apr-95	1	75			
FY96 Life cycle replacement	EDS	C/FP	USACCK	VAR *	VAR *	VAR *	VAR *	YES	NO	
FY97 Life cylce replacement	TBS	C/FP	USACCK	VAR *	VAR *	VAR *	VAR *	YES	NO	
USARPAC AUTOMATION										
Departmental Local Area Net										
FY94	VAR *	C/FP	Ft Richardson DOC	VAR *	VAR *	VAR *	VAR *			

REMARKS:
Procurement is accomplished primarily via standard requirements contracts and by various contracting offices, resulting in multiple awards throughout the fiscal year. Quantities and unit costs vary by site and configuration.

EDS - Plano, TX
UNISYS, McLean, VA
PRC-Planning Research Corp, Inc, Reston, VA.
Korea Comm - Seoul, Korea
Dolsh - Milpitas, CA
USACCK - US Army Central Contracting-Korea
MDW - Military District of Washington
Harris Corp - Melbourne, FL

BUDGET PROCUREMENT HISTORY AND PLANNING EXHIBIT (P - 5A)

A. DATE: Feb 1995

B. APPROPRIATION / BUDGET ACTIVITY
Other Procurement, Army 2 - Communications and Electronics Equipment

C. P-1 ITEM NOMENCLATURE
MACOM AUTOMATION SYSTEMS (BE4162)

LINE ITEM / FISCAL YEAR	CONTRACTOR	CONTRACT METHOD AND TYPE	CONTRACTED BY	AWARD DATE	DATE OF FIRST DELIVERY	QTY	UNIT COST	SPEC AVAIL NOW	SPEC REVIS REQ'D	IF YES WHEN AVAIL
FY95	VAR *	C/FP	Ft Richardson DOC	VAR *	VAR *	VAR *	VAR *			
FY96	VAR *	C/FP	Ft Richardson DOC	VAR *	VAR *	VAR *	VAR *	YES	NO	
FY97	VAR *	C/FP	Ft Richardson DOC	VAR *	VAR *	VAR *	VAR *	YES	NO	
USAREC AUTOMATION										
FY94										
Auto Attendant	Syntelle	C/FP	Ft Knox	Feb-94	Mar-94	1	35			
LAN System Upgrade	EDS	C/FP	Ft Knox	Dec-93	Mar-94	1	65			
Novell Software	Digital	C/FP	Naval AV Sup	Feb-94	Mar-94	1	49			
RDC Transition	Integrated C	C/FP	Lex Army Depot	Aug-94	Sep-94	1	47			
ARADS Patch	GTSI	C/FP	Lex Army Depot	Aug-94	Sep-94	1	27			
Recruiting 2000	Falcon Micro	C/FP	TRADOC	Aug-94	Sep-94	1	47			
FY95										
Remote Switch Unit	Halifax Eng	C/FP	Ft Knox	Nov-94	Dec-94	VAR *	VAR *			
Transition for RDC	Presidio Corp	C/FP	TRADOC	Dec-94	Dec-94	1	57			
FY96										
Futures Branch LAN	TBS	C/FP	Ft Knox	Jan-96	Apr-96	1	77	YES	NO	
Building 6580 Reuse	TBS	C/FP	Ft Knox	Jan-96	Apr-96	1	81	YES	NO	
USAREC-NET Testbed	TBS	C/FP	Ft Knox	Jan-96	Apr-96	1	209	YES	NO	
Dail-in remote Phase I	TBS	C/FP	Ft Knox	Jan-96	Apr-96	1	145	YES	NO	
FY97										
Life Cycle Replacement	TBS	C/FP	Ft Knox	Jan-97	Apr-97	1	251	YES	NO	
Dial-in remote Phase I	TBS	C/FP	Ft Knox	Jan-97	Apr-97	1	95	YES	NO	
Asynchronous Phase I	TBS	C/FP	Ft Knox	Jan-97	Apr-97	1	183	YES	NO	
Electronic Message Backbone	TBS	C/FP	Ft Knox	Jan-97	Apr-97	1	200	YES	NO	

REMARKS:

* Procurement is accomplished primarily via standard requirements contracts and by various contracting offices, resulting in multiple awards throughout the fiscal year. Quantities and unit costs vary by site and configuration.

Syntelle - Bethesda, MD
EDS - Plano, TX
Digital Electronics Corp - Landover, MD
Integrated C - Frederick, MD
GTSI - Chantilly, VA
Falcon Micro - Landover, MD
Halifax Engineering - Alexandria, VA
Presidio Corp - Lanham, MD
HSFI - McLean, VA

BUDGET PROCUREMENT HISTORY AND PLANNING EXHIBIT (P - 5A)

A. DATE: February 1995

B. APPROPRIATION / BUDGET ACTIVITY
Other Procurement, Army 2 - Communications and Electronics Equipment

C. P-1 ITEM NOMENCLATURE
MACOM AUTOMATION SYSTEMS (BE4162)

LINE ITEM / FISCAL YEAR	CONTRACTOR	CONTRACT METHOD AND TYPE	CONTRACTED BY	AWARD DATE	DATE OF FIRST DELIVERY	QTY	UNIT COST	SPEC AVAIL NOW	SPEC REVIS REQ'D	IF YES, WHEN AVAIL
USAISC AUTOMATION										
FY94 Life cycle replacement	VAR*	C/FP	ISC Contracting	VAR*	VAR*	VAR*	VAR*			
FY95 Life cycle replacement	VAR*	C/FP	ISC Contracting	VAR*	VAR*	VAR*	VAR*	YES	NO	
FY96 Life cycle replacement	VAR*	C/FP	ISC Contracting	VAR*	VAR*	VAR*	VAR*	YES	NO	
FY97 Life cycle replacement	VAR*	C/FP	ISC Contracting	VAR*	VAR*	VAR*	VAR*	YES	NO	
AWC AUTOMATION										
FY94										
Network Server	HSFI	C/FP	Ft Ritchie	Jul-94	Sep-94	1	146			
Network Integration	HSFI	C/FP	Carlisle Barracks	Apr-94	May-94	1	365			
INSCOM AUTOMATION										
FY94										
Fiber Optics LAN	GTE	C/FP	INSCOM	Apr-94	May-94	1	213			
FY95										
IRRATS Management System	TBS	C/FP	INSCOM	May-95	Jun-95	1	96	YES	NO	
FY96										
LAN - 513th MI Bde	TBS	C/FP	INSCOM	Apr-96	May-96	VAR *	VAR *	YES	NO	
Optical Disk	TBS	C/FP	INSCOM	Apr-96	May-96	VAR *	VAR *	YES	NO	
FY97										
LAN - 513th MI Bde	TBS	C/FP	INSCOM	Apr-97	May-97	VAR *	VAR *	YES	NO	
Optical Disk	TBS	C/FP	INSCOM	Apr-97	May-97	VAR *	VAR *	YES	NO	
CIDC AUTOMATION										
FY96										
AFIS Automation Upgrade	NEC	C/FP	Ft Gilliem DOC	Mar-96	May-96	VAR *	VAR *	YES	NO	

REMARKS:
Various: Procurement is accomplished primarily via standard requirements contracts and by various contracting offices, resulting in multiple awards throughout the fiscal year. Quantities and unit costs vary by site and configuration.
GTE - Westlake Village, CA
NEC - Richardson, CA
PRC-Planning Research Corp, Inc, Reston, VA.
ISSAA-Information Systems Selection and Acquisition Agency.

BUDGET PROCUREMENT HISTORY AND PLANNING EXHIBIT (P - 5A)

A. DATE: February 1995

B. APPROPRIATION / BUDGET ACTIVITY
Other Procurement, Army 2 - Communications and Electronics Equipment

C. P-1 ITEM NOMENCLATURE
MACOM AUTOMATION SYSTEMS (BE4162)

LINE ITEM / FISCAL YEAR	CONTRACTOR	CONTRACT METHOD AND TYPE	CONTRACTED BY	AWARD DATE	DATE OF FIRST DELIVERY	QTY	UNIT COST	SPEC AVAIL NOW	SPEC REVIS REQ'D	IF YES WHE AVAIL
EI Automation Upgrade	PRC	C/FP	ISSC/DISD	Mar-96	May-96	VAR *	VAR *	YES	NO	
FY97										
ACIRS Automation Upgrade	TBS	C/FP	DSSW/CECOM	Mar-97	May-97	VAR *	VAR *	YES	NO	
MEDICAL LANs										
FY96										
Communications Hardware	TBS	C/FP	ISSAA	Jan-96	Mar-96	VAR *	VAR *	YES	NO	
Standard ADPE	TBS	C/FP	Ft Sam Houston	Jan-96	Mar-96	VAR *	VAR *	YES	NO	
FY97										
Communications Hardware	TBS	C/FP	ISSAA	Jan-97	Mar-97	VAR *	VAR *	YES	NO	
Standard ADPE	TBS	C/FP	Ft Sam Houston	Jan-97	Mar-97	VAR *	VAR *	YES	NO	
TASA AUTOMATION										
FY94	AFIS	MIPR	ISC	Mar-94	Jun-94	1	900			
APPC AUTOMATION										
FY96										
Warehouse Systems	TBS	C/FP	USAPPC	VAR *	VAR *	VAR *	VAR *	YES	NO	
FY97										
Warehouse Systems	TBS	C/FP	USAPPC	VAR *	VAR *	VAR *	VAR *	YES	NO	
SMALL COMPUTER PRGM										
Hardware & Software										
FY 94	UNISYS/PRC. Inc	C/FP/OPTION	CECOM	Jan-94	VAR *	VAR *	VAR *			

REMARKS:
* Procurement is accomplished primarily via standard requirements contracts and by various contracting offices, resulting in multiple awards throughout the fiscal year. Quantities and unit costs vary by site and configuration.

DSSW - Defense Supply Service Washington
UNISYS, McLean, VA
PRC-Planning Research Corp, Inc, Reston, VA.
ISSAA-Information Systems Selection and Acquisition Agency.
DISD - Document Image Support Directorate
ISSC - Information Systems Software Center
CECOM - Communications & Electronics Command
AFIS - Armed Forces Information Service

BUDGET PROCUREMENT HISTORY AND PLANNING EXHIBIT (P - 5A)

A. DATE: February 1995

B. APPROPRIATION / BUDGET ACTIVITY
Other Procurement, Army 2 - Communications and Electronics Equipment

C. P-1 ITEM NOMENCLATURE
MACOM AUTOMATION SYSTEMS (BE4162)

LINE ITEM / FISCAL YEAR	CONTRACTOR	CONTRACT METHOD AND TYPE	CONTRACTED BY	AWARD DATE	DATE OF FIRST DELIVERY	QTY	UNIT COST	SPEC AVAIL NOW	SPEC REVIS REQ'D	IF YES, WHEN AVAIL
Small Computer Prog (Cont)										
FY 95	PRC	C/FP	CECOM/ISMA	Jan-95	VAR *	VAR *	VAR *			
FY 96	VAR *	C/FP	CECOM/ISMA	Jan-96	VAR *	VAR *	VAR *	YES	NO	
FY 97	VAR *	C/FP	CECOM/ISMA	Jan-97	VAR *	VAR *	VAR *	YES	NO	
ELECTRONIC COMMERCE:										
ADPE/Software/Comm Devices										
FY95	TBS	C/FP	ISSAA	Mar-95	Jun-95	VAR *	VAR *	YES	NO	
FY96	TBS	C/FP	ISSAA	Mar-96	Jun-96	VAR *	VAR *	YES	NO	
FY97	TBS	C/FP	ISSAA	Mar-97	Jun-97	VAR *	VAR *	YES	NO	
ARMY DATA MGMT & STANDARDS										
Hardware/Software Upgrades										
FY94:	VAR*	C/FP	Ft Belvoir DOC	VAR*	VAR	VAR *	VAR *			
FY95:	VAR*	C/FP	Ft Belvoir DOC	VAR*	VAR	VAR *	VAR *	YES	NO	
FY96:	VAR*	C/FP	Ft Belvoir DOC	VAR*	VAR	VAR *	VAR *	YES	NO	
FY97:	VAR*	C/FP	Ft Belvoir DOC	VAR*	VAR	VAR *	VAR *	YES	NO	
SOFTWARE ENVIRONMENT SUPPORT										
Hardware/Software upgrades										
FY94	VAR*	C/FP	Ft Belvoir DOC	VAR*	VAR*	VAR *	VAR *			
FY95	VAR*	C/FP	Ft Belvoir DOC	VAR*	VAR*	VAR *	VAR *	YES	NO	
FY96	VAR*	C/FP	Ft Belvoir DOC	VAR*	VAR*	VAR *	VAR *	YES	NO	
FY97	VAR*	C/FP	Ft Belvoir DOC	VAR*	VAR*	VAR *	VAR *	YES	NO	

REMARKS:
Procurement is accomplished primarily via standard requirements contracts and by various contracting offices, resulting in multiple awards throughout the fiscal year. Quantities and unit costs vary by site and configuration.
CECOM - Communications & Electronics Command
ISMA - Information Systems Management Agency
PRC-Planning Research Corp, Inc, Reston, VA.
ISSAA-Information Systems Selection and Acquisition Agency.

BUDGET PROCUREMENT HISTORY AND PLANNING EXHIBIT (P - 5A)

A. DATE: Febr 1995

B. APPROPRIATION / BUDGET ACTIVITY
Other Procurement, Army 2 - Communications and Electronics Equipment

C. P-1 ITEM NOMENCLATURE
MACOM AUTOMATION SYSTEMS (BE4162)

LINE ITEM / FISCAL YEAR	CONTRACTOR	CONTRACT METHOD AND TYPE	CONTRACT BY	DATE OF AWARD	DATE OF FIRST LIVERY	QTY	UNIT COST	SPEC AVAIL NOW	SPEC REVIS REQ'D	IF YES WHE AVAIL
ARMY REUSE CENTER (ARC)										
Reusable ADA Products for Informa-										
mation System Development (RAPID):										
HW/SW analyst tools:										
FY94	VAR*	C/FP	FT BELVOIR, DOC	VAR*	VAR*	VAR**	VAR**			
FY95	VAR*	C/FP	FT BELVOIR, DOC	VAR*	VAR*	VAR**	VAR**	YES	NO	
FY96	VAR*	C/FP	FT BELVOIR, DOC	VAR*	VAR*	VAR**	VAR**	YES	NO	
FY97	VAR*	C/FP	FT BELVOIR, DOC	VAR*	VAR*	VAR**	VAR**	YES	NO	
LOUISIANA MANEUVERS										
Simulation Center										
FY95										
Secure DSI Node	VAR***	C/FP	TCA	Feb-95	May-95	1	172			
Flying Carpet Suite	SSDC/COLSA	MIPR/CFP/8A	TCA	Feb-95	May-95	1	593			
FY96										
Upgrade	SSDC/COLSA	MIPR/CFP/8A	TCA	Jan-96	Mar-96	1	540	YES	NO	
Office Automation	TBS	C/FP	TCA	Jan-96	Jul-96	1	144	YES	NO	
FY97	TBS	C/FP	TCA	Jan-97	Jul-97	1	500	YES	NO	
LAM DIAS Data Base Equip										
FY95	TBS	C/FP	TCA	Apr-95	Jul-95	1	75	YES	NO	
Simulation/Modeling Tech										
Insertion Tool Modernization										
FY96	TBS	C/FP	TCA	Jan-96	Jul-96	1	257	YES	NO	
FY97	TBS	C/FP	TCA	Jan-97	Jul-97	1	274	YES	NO	

REMARKS:
* Procurement is accomplished primarily via standard requirements contracts and by various contracting offices, resulting in multiple awards throughout the fiscal year. Quantities and unit costs vary by site and configuration.
*** UNICOR, Washington DC; RHC, Raymond Horizontal Carousels, New York, NY ; NSMA Arlington VA.; Strategic Space Defense Cmd (SSDC) Huntsville, AL
COLSA - Huntsville Al
TCA: TRADOC Contracting Activity

REPORTS CONTROL SYMBOL DD-COMP(AR) 1092	BUDGET ITEM JUSTIFICATION SHEET	DATE February 1995

APPROPRIATION / BUDGET ACTIVITY	P-1 ITEM NOMENCLATURE
Other Procurement, Army 2 - Communications and Electronics Equipment	LOGISTICS AUTOMATION SYSTEMS (BE4166)

	FY 94	FY 95	FY 96	FY 97	FY 98	FY 99	FY 00	FY 01
QUANTITY								
COST (In Millions)	$ 0.0	$ 5.0	$ 4.9	$ 5.0	$ 5.1	$ 5.1	$ 5.8	$ 6.8

DESCRIPTION: This budget line funds automation initiatives which support transportation, cargo movement, and resupply initiatives under the Army's 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 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 resupply.

JUSTIFICATION:

TRANSPORTATION COORDINATOR AUTOMATED COMMAND & CONTROL INFORMATION SYSTEM (TCACCIS). TCACCIS is a Defense Guidance (DG) compliance program which will support command and control by automating transportation functions to improve timeliness, accuracy, and availability of unit movement data from the unit through the Installation Transportation Office (ITO) and MACOMs to the joint deployment community. The system will automate transportation functions at 49 CONUS locations and 2 OCONUS theaters to comply with the DG. TCACCIS supports the Army's worldwide mission to perform peace/wartime unit deployment planning and execution of transportation functions. The system provides source data automation at the unit/installation level. The ITO will be the clearing house to transmit unit movement data to FORSCOM's COMPASS system for deployment planning and input into the Joint Deployment System (JDS)/ Joint Operational Planning and Execution System (JOPES). The ITO also will transmit unit movement requirements to MTMC's Automated System for Processing Unit Requirements (ASPUR) and Air Mobility Command (AMC), as appropriate, for routing, port clearance, and input into JDS/JOPES. The Army's Automated Airload Planning System (AALPS) will be incorporated into TCACCIS as the air module prior to full system fielding on Army standard hardware in an open systems architecture that utilizes deployable hardware. TCACCIS has been identified by GAO and DAIG as a key element to resolve the Army's deployment planning/execution problems. The FY 96/97 funds are required for purchase of microcomputers to replace the existing obsolete Unisys computers. Maintenance for the Unisys computers will no longer be available. In addition, the old computers no longer meet performance requirements. The functional application has grown in size and the Unisys platform processing time is unacceptable to the user. These funds are also required for the purchase of deployable microcomputers to support the contigency and deployed corps. New microcomputers will be fielded at TCACCIS sites where Unisys computers are currently fielded. The deployable micros will be fielded to war fighters so that they will have the ability to deploy, further deploy, or redeploy from a theater of operations.

WORLDWIDE PORT SYSTEM (WPS): WPS is a Military Traffic Management Command (MTMC) automated information system (AIS) initiative essential to effective force projection and intransit visibility of unit and sustainment cargos. At the center of the new Army strategy for rapid power projection to meet unspecified threats, WPS is one of several systems that provides movement control support to the Army's Strategic Mobility Program (ASMP), initiated as a result of lessons learned from Operation Desert Storm/ Shield and the Congressionally mandated Mobility Requirements Study (MRS). When fully fielded, WPS will support MTMC ocean terminals and US Navy port

REPORTS CONTROL SYMBOL DD-COMP(AR) 1092	BUDGET ITEM JUSTIFICATION SHEET	DATE February 1995
APPROPRIATION / BUDGET ACTIVITY Other Procurement, Army 2 - Communications and Electronics Equipment	P-1 ITEM NOMENCLATURE LOGISTICS AUTOMATION SYSTEMS (BE4166)	

	FY 94	FY 95	FY 96	FY 97	FY 98	FY 99	FY 00	FY 01
QUANTITY								
COST (In Millions)	$	$	$	$	$	$	$	$

(Continued:)
activities worldwide, US Army Forces Command reserve component Transportation Terminal Units and active component Automated Cargo Documentation Detachments with worldwide warfighting support missions. Compact and transportable, WPS substantially increases the ability of the Defense Transportation System to provide intransit visibility information to the warfighting CINCs and 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 AIS that support the ocean terminal management and cargo documentation missions during peace and war. The replaced AIS include the obsolete Terminal Management System (TERMS) in CONUS, and the Department of the Army Standard Port System - Enhanced (DASPS-E), whose significant deficiencies were identified during Operation Desert Storm/ Shield. FY 96/97 funds will buy hardware and software to continue fielding of WPS to selected sites.

(ID CODE A)

WEAPON SYSTEM COST ANALYSIS EXHIBIT (P-5)	A. APPROPRIATION/TITLE/NO. OPA 2 - Communications and Electronics Equipment				B. WEAPON MODEL/SERIES/POPULAR NAME LOGISTICS AUTOMATION SYSTEMS (BE4166)						C. MANUF. Numerous See 5a.	D. DATE February 1995	
WEAPON SYSTEM COST ELEMENTS	IDENT CODE	FY 94 Unit Cost	FY 94 Qty	FY 94 Total Cost	FY 95 Unit Cost	FY 95 Qty	FY 95 Total Cost	FY 96 Unit Cost	FY 96 Qty	FY 96 Total Cost	FY 97 Unit Cost	FY 97 Qty	FY 97 Total Cost
TRANSPORTATION COORDINATOR AUTOMATED COMMAND & CONTROL INFORMATION SYSTEM (TCACCIS)	A	VAR	VAR	49	VAR	VAR	1,817	VAR	VAR	3,000	VAR	VAR	2,000
WORLDWIDE POST SYSTEM (WPS)	A				VAR	VAR	3,166	VAR	VAR	1,930	VAR	VAR	3,038
TOTAL				49			4,983			4,930			5,038

BUDGET PROCUREMENT HISTORY AND PLANNING EXHIBIT (P - 5A)

A. DATE: February 1995

B. APPROPRIATION / BUDGET ACTIVITY: Other Procurement, Army 2 - Communications and Electronics Equipment

C. P-1 ITEM NOMENCLATURE: LOGISTICS AUTOMATION SYSTEMS (BE4166)

LINE ITEM / FISCAL YEAR	CONTRACTOR	CONTRACT METHOD AND TYPE	CONTRACTED BY	AWARD DATE	DATE OF FIRST DELIVERY	QTY	UNIT COST	SPEC AVAIL NOW	SPEC REVIS REQ'D	IF YES, WHEN AVAIL
TRANSPORTATION COORDINATOR AUTOMATED COMMAND & CONTROL INFORMATION SYSTEM										
(TCACCIS)										
Hardware & Software										
FY94	Planning Research Corp.	IDIQ**	MTMC	APR 94	JUN 94	6	8			
FY95	Maclean, Va.	IDIQ**	MTMC	APR 95	JUN 95	25	73	YES	NO	
FY96	Planning Research Corp.	IDIQ**	MTMC	APR 96	JUN 96	VAR*	VAR*	YES	NO	
FY97	Maclean, Va.	IDIQ**	MTMC	APR 97	JUN 97	VAR*	VAR*			
WORLDWIDE PORT SYSTEM (WPS)										
Hardware & Software										
FY95	Planning Research Corp.	IDIQ**	MTMC	APR 95	JUN 95	VAR*	VAR*	YES	NO	
FY96	Maclean, Va.	IDIQ**	MTMC	APR 96	JUN 96	VAR*	VAR*	YES	NO	
FY97	Planning Research Corp.	IDIQ**	MTMC	APR 97	JUN 97	VAR*	VAR*			

D. Remarks:

* Site specific.

** IDIQ -- Indefinite delivery, indefinite quantity contract.

REPORTS CONTROL SYMBOL DD-COMP(AR) 1092	BUDGET ITEM JUSTIFICATION SHEET	DATE February 1995

APPROPRIATION / BUDGET ACTIVITY	P-1 ITEM NOMENCLATURE
Other Procurement, Army 2 - Communications and Electronics Equipment	MEDICAL AUTOMATION SYSTEMS (BE4163)

	FY 94	FY 95	FY 96	FY 97	FY 98	FY 99	FY 00	FY 01
QUANTITY								
COST (In Millions)	$ 1.2	$ 1.6	$ 1.9	$ 1.8	$ 0.0	$ 0.0	$ 0.0	$ 0.0

DESCRIPTION: These funds procure information systems for the Army Medical Command (MEDCOM). The MEDCOM systems support the clinical and health care management areas and use existing applications purchased on standard Army contracts. Funds will be used to procure new equipment and software, LANs, and to upgrade and replace existing systems at the Army medical treatment facilities. This program also supports the Army portion of the DOD-wide Defense Blood Support System (DBSS), which is a tactical automated blood management system. This system provides the capability to manage blood program operations such as collecting, manufacturing, testing, processing, freezing, storing, shipping, distributing, and issuing blood and blood products for infusion or destruction. DBSS will utilize a client/server architecture in accordance with the guidelines provided by the Military Health Services Systems (MHSS). The system will be used by deployable medical service elements, blood supply units, and Joint Blood Program Offices. Efficient/effective management of blood products within the theater is critical to sustainment of life of battlefield casualties. The DBSS allows deployed elements to manage, receive, store, ship, and track blood products/donors. The systems supports these functions by providing donor collection data (at either mobile and fixed sites), inventory control, management reporting, and transfusion services. DBSS facilitates post-transfusion follow-up and tracking of suspected/tainted blood supplies.

JUSTIFICATION: FY 96/97 funds will procure the hardware, software, and peripheral equipment for fielding of DBSS to deployable Army Medical Service units.

(ID CODE A)

WEAPON SYSTEM COST ANALYSIS EXHIBIT (P-5)	A. APPROPRIATION/TITLE/NO. OPA 2 - Communications and Electronics Equipment	B. WEAPON MODEL/SERIES/POPULAR NAME MEDICAL AUTOMATION SYSTEMS (BE4163)	C. MANUF. Numerous See 5a.	D. DATE February 1995

WEAPON SYSTEM COST ELEMENTS	IDENT CODE	FY 94			FY 95			FY 96			FY 97		
		Unit Cost	Qty	Total Cost	Unit Cost	Qty	Total Cost	Unit Cost	Qty	Total Cost	Unit Cost	Qty	Total Cost
HSC SYSTEMS	A	VAR	VAR	952	VAR	VAR	1,614						
AFIP SYSTEMS	A	VAR	VAR	201									
DEFENSE BLOOD SUPPORT SYSTEM (DBSS)	A							VAR	VAR	1,868	VAR	VAR	1,808
TOTAL				1,153			1,614			1,868			1,808

BUDGET PROCUREMENT HISTORY AND PLANNING EXHIBIT (P - 5A)

A. DATE: February 1995

APPROPRIATION / BUDGET ACTIVITY: Other Procurement, Army 2 - Communications and Electronics Equipment

C. P-1 ITEM NOMENCLATURE: MEDICAL AUTOMATION SYSTEMS (BE4163)

LINE ITEM / FISCAL YEAR	CONTRACTOR	CONTRACT METHOD AND TYPE	CONTRACTED BY	AWARD DATE	DATE OF FIRST DELIVERY	QTY	UNIT COST	SPEC AVAIL NOW	SPEC REVIS REQ'D	IF YES, WHEN AVAIL
HSC SYSTEMS:										
Standard ADPE										
FY94	VAR**	C/FP	Ft. Sam Houston	FEB 94	MAR 94	VAR *	VAR *			
FY95	TBS	C/FP	Ft. Sam Houston	MAR 95	JUN 95	VAR *	VAR *	YES	NO	
Communications										
FY94	VAR**	C/FP	ISEC	JAN 94	MAR 94	VAR *	VAR *			
FY95	VAR**	C/FP	ISSAA	MAR 95	MAY 95	VAR *	VAR *	YES	NO	
AFIP:										
A PADIMIS/PADSTARS			Walter Reed Army							
FY94	VAR**	C/FP	Medical Center	JAN 94	MAY 94	VAR *	VAR *			
LAN/DDA			Walter Reed Army							
FY94	VAR**	C/FP	Medical Center	FEB 94	MAY 94	VAR *	VAR *			
DBSS HW / SW / COMM										
FY96	VAR**	C/FP	Ft. Sam Houston	MAR 96	OCT 96	VAR *	VAR *	YES	NO	
FY97	VAR**	C/FP	Ft. Sam Houston	MAR 97	OCT 97	VAR *	VAR *			

D. Remarks: ISSAA-Information Systems Selection & Acquisition Agency

ISEC-Information Systems Engineering Command

*System cost varied with size and configuration at each hospital.

**GSA, Multiple contracts

REPORTS CONTROL SYMBOL DD-COMP(AR) 1092	BUDGET ITEM JUSTIFICATION SHEET	DATE February 1995

APPROPRIATION / BUDGET ACTIVITY	P-1 ITEM NOMENCLATURE
Other Procurement, Army 2 - Communications and Electronics Equipment	PERSONNEL AUTOMATION SYSTEMS (BE4164)

	FY 94	FY 95	FY 96	FY 97	FY 98	FY 99	FY 00	FY 01
QUANTITY								
COST (In Millions)	$ 14.2	$ 23.6	$ 41.1	$ 39.0	$ 30.7	$ 24.0	$ 26.4	$ 24.2

DESCRIPTION:

This budget line provides for the purchase of automated data processing equipment (ADPE) for management information systems in the personnel community. The systems are part of the approved Personnel System Architecture and the Information Mission Area (IMA) Modernization Plan.

JUSTIFICATION:

ARMY CIVILIAN PERSONNEL SYSTEM (ACPERS): ACPERS processes civilian personnel data for over 400,000 civilians at over 148 Civilian Personnel Offices (CPOs) and Equal Employment Opportunity Offices (EEOOs) worldwide. Processing is centralized at the Operations Center managed by the Air Force at the Defense Information Processing Center (DIPC) in San Antonio, Texas. Equipment currently used by the CPOs and EEOOs was fielded in 1984 and has long since out-lived its lifecycle. The UNISYS 5000/70s which provide access to the ACPERS database are continually having problems which interrupt personnel action processing and retrieval of information from the database. Existing ACPERS equipment is proprietary in nature, no longer produced by the vendor, and incompatible with the DoD Open System Environment (OSE). FY 96/97 funding will be used to provide state-of-the-art OSE equipment at selective sites as approved by Army MAISRC in July, 1993.

REPORTS CONTROL SYMBOL DD-COMP(AR) 1092	BUDGET ITEM JUSTIFICATION SHEET	DATE February 1995
APPROPRIATION / BUDGET ACTIVITY Other Procurement, Army 2 - Communications and Electronics Equipment		P-1 ITEM NOMENCLATURE PERSONNEL AUTOMATION SYSTEMS (BE4164)

(Continuation)

PERSONNEL ENTERPRISE SYSTEM-AUTOMATION (PES-A)

The Personnel Enterprise System-Automation (PES-A) is an ADP acquisition and redesign/implementation program which insures that an adequate, modern, top-of-the-system automation infrastructure (automation training, computer platforms, services, telecommunications and productivity/automation tools) is available to support the War Fighter. The PES-A supports all five personnel functions, to include 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). It is the vehicle by which personnel are managed and information is provided to the Department of Defense and, ultimately, to Congress. The PES-A provides interoperability between key data processing installations of the Army's Personnel Community; the Total Army Personnel Command (PERSCOM), Army Reserve Personnel Center (ARPERCEN), Army Recruiting Command (USAREC), National Guard Personnel Center (NGPERCEN), and the Military Entrance Processing Command (MEPCOM) (a joint command for which the Army is the executive agent). It has been the cornerstone of the Army's personnel automation architecture since 1987 and has the flexibility/capability required to support emerging systems through the late 1990's and beyond. It fits into the Army Enterprise Strategy, supporting the Modernization of Power Projection Platforms. It is fully compatible with and supports DOD's Enterprise Strategy/Corporate Information Management Initiative and the Administration's Information Superhighway Initiative. FY 96/97 funding will buy automation infrastructure to support migration to open system architecture and user distributed processing under the Personnel Enterprise System.

USMEPCOM JOINT COMPUTER CENTER (JCC) A memorandum of understanding between the Dept. of Defense and Selective Service System (SSS) formalized the establishment of the JCC where automatic data processing resources can be shared by USMEPCOM and SSS. The JCC mission includes the management and enhancement of shared resources, in full support of USMEPCOM and SSS peacetime and mobilization mission requirements. To provide the required mobilizatization manpower flow, USMEPCOM will process 4-5 times as many applicants into the armed services as they are currently processing. The current and out-years DASD growth rate for USMEPCOM and SSS is 20 gigabytes per year. This program includes actions to add additional storage control units with cache memory and to replace old type DASD technology with newer technology. FY 96/97 funds will purchase operating system software and hardware, to include additional DASD, communications controller, mainframe upgrade and technical refreshment, and Relational Data Base Management System software to support SSS and USMEPCOM mobilization and peace time growth requirements.

REPORTS CONTROL SYMBOL DD-COMP(AR) 1092	BUDGET ITEM JUSTIFICATION SHEET	DATE February 1995

APPROPRIATION / BUDGET ACTIVITY	P-1 ITEM NOMENCLATURE
Other Procurement, Army 2 - Communications and Electronics Equipment	PERSONNEL AUTOMATION SYSTEMS (BE4164)

(Continuation)

US MILITARY ACADEMY (USMA) IMA MODERNIZATION

The USMA is an accredited institution of higher learning. To maintain its accreditation standards and to instruct/prepare future Army Leaders to operate in the sophisticated high-tech world of modern warfare, it must employ in its classrooms/laboratories the latest technology/instructional tools available. Mini/microcomputers supporting the academic departments, must periodically be replaced as they become technologically obsolete or uneconomical to repair. FY 96/97 funds will procure equipment for replacement of the technological obsolete minicomputers at the Wargaming/Computer Aided System Engineering Labs. Additionally, funds will acquire high tech multi-media learning environments, procure digital imaging and photography technology, expanded library software, and upgrade the USMA wide area network.

USMEPCOM INTEGRATED RESOURCE SYSTEM (MIRS)

MIRS: The purpose of the US Military Enlistment Processing Command (USMEPCOM) Integrated Resource System (MIRS) is to provide the automation and communication capability for USMEPCOM to meet its peacetime and mobilization, wartime military manpower accession mission in the 1990s and beyond. The MIRS will be the cornerstone for a DOD-wide military accession system, incorporating the concept of electronic data sharing between USMEPCOM and the recruiting services, greatly reducing redundant data entry. It will replace the current Military Entrance Processing Reporting System (MEPRS), Automated Test Scoring System (ATS), Student Test Scoring System (STS) and other partially automated and manual procedures used in applicant processing. Replacing the saturated and obsolete systems at 66 Military Enlistment Processing Stations (MEPS) throughout the United States is vital to sustaining USMEPCOM's accession and data distribution mission. MIRS will accomodate DOD requirements for data capture and service connectivity.

a. Maintenance. The minicomputer equipment in use at the MEPS has passed the end of its programmed life cycle, is based on obsolescent technology, is out of production, and will not be supported by the vendor for maintenance and technical support past FY 95. Spare parts must be cannibalized from excess equipment and are becoming increasingly difficult to obtain. The design and development efforts are on a time-critical path to replace the system before it is fully unsupportable.

b. Connectivity. The Army is the only service with a connection to the existing equipment. The capability does not exist to connect any of the other services. By providing all of the services with electronic links to the MIRS system, we can eliminate the need for redundant data entry by the services, reduce data input errors, and provide the recruiters with more timely access to their applicant's data.

c. Benefits. The validated MIRS economic Analysis showed $11.9M in hard savings and $64.6M of other quantifiable benefits we can achieve by replacing the current system. Once MIRS is fielded and the services' systems are connected we anticipate significant additional savings and benefits.

The FY 96/97 funds will buy hardware, software, and peripherals equipment to continue phased fielding of MIRS to the MEPS. Procurement will be through the Sustaining Base Information Service (SBIS) contract awarded in June 1993.

REPORTS CONTROL SYMBOL DD-COMP(AR) 1092	BUDGET ITEM JUSTIFICATION SHEET	DATE February 1995
APPROPRIATION / BUDGET ACTIVITY Other Procurement, Army 2 - Communications and Electronics Equipment	P-1 ITEM NOMENCLATURE PERSONNEL AUTOMATION SYSTEMS (BE4164)	

(Continuation)

DEFENSE CIVILIAN PERSONNEL DATA SYSTEM (DCPDS)/REGIONAL PERSONNEL CENTERS (RPC)

The DCPDS/RPC program will support the standardization of business processes in the Civilian Personnel functional area and regionalization of Civilian Personnel Offices. DCPDS/RPC OPA expenditures provide automation infrastructure to support fielding of this DOD-wide system to Army activities receiving the DCPDS/RPC capability. Automation infrastructure fielded to Army activities will consist 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 Army RPCs and subordinate Customer Support Units (CSUs). Army Automation infrastructure acquisitions will be compatible with the DOD DCPDS applications and integrate with the OSE architecture at Army's sustaining base sites. Procurement strategy calls for maximum use of existing contracts. The proposed architecture consists of data and process servers, user workstations, system peripherals, associated communications infrastructure and COTS software. FY 96/97 funds will procure automation infrastructure for four Army regions, and augment previously acquired systems.

JOINT RECRUITING INFORMATION SUPPORT SYSTEM (JRISS)

The JRISS program will support the standardization of business processes in the Military Enlisted Recruiting functional area. Army is the DOD lead agency for this automation initiative. JRISS OPA expenditures provide automation infrastructure to support development of software for the DOD-wide system, and for fielding to Army users. JRISS consists of OSE compliant automation infrastructure, COTS software (operating system, DBMS, office automation, etc.), with a limited amount of software development, fielded to service recruiters and supporting activities. Acquisitions will be accomplished by making use of existing Army and DOD-wide contracts. FY96 funds will buy developmental infrastructure, operational data/process servers, and desk top/portable workstations. FY97 funds will buy portable workstations.

(ID CODE A)

WEAPON SYSTEM COST ANALYSIS EXHIBIT (P-5)	A. APPROPRIATION/TITLE/NO. OPA 2 - Communications and Electronics Equipment				B. WEAPON MODEL/SERIES/POPULAR NAME PERSONNEL AUTOMATION SYSTEMS (BE4164)						C. MANUF. Numerous See 5a.	D. DATE February 1995	
WEAPON SYSTEM COST ELEMENTS	IDENT CODE	FY 94 Unit Cost	FY 94 Qty	FY 94 Total Cost	FY 95 Unit Cost	FY 95 Qty	FY 95 Total Cost	FY 96 Unit Cost	FY 96 Qty	FY 96 Total Cost	FY 97 Unit Cost	FY 97 Qty	FY 97 Total Cost
ACPERS	A	VAR	VAR	3,796	VAR	VAR	576	VAR	VAR	651	VAR	VAR	2,966
Personnel Enterprise System-Automation (PES-A)	A	VAR	VAR	1,453	VAR	VAR	6,618	VAR	VAR	6,589	VAR	VAR	6,572
MEPCOM JCC	A	VAR	VAR	726	VAR	VAR	1,615	VAR	VAR	830	VAR	VAR	863
USMA Key Automation	A	VAR	VAR	2,262	VAR	VAR	2,235	VAR	VAR	2,483	VAR	VAR	2,483
MEPCOM Interactive Resource System (MIRS)	A	VAR	VAR	5,982	VAR	VAR	8,596	VAR	VAR	3,299	VAR	VAR	352
Defense Civilian Personnel Data System (DCPDS)/Regional Personnel Centers (RPC)	A				VAR	VAR	3,970	VAR	VAR	8,444	VAR	VAR	4,172
Joint Recruiting Information Support System (JRISS)	A							VAR	VAR	18,775	VAR	VAR	21,556
TOTAL				14,219			23,610			41,071			38,964

BUDGET PROCUREMENT HISTORY AND PLANNING EXHIBIT (P - 5A)

A. DATE: February 1995

APPROPRIATION / BUDGET ACTIVITY: Other Procurement, Army 2 - Communications and Electronics Equipment

C. P-1 ITEM NOMENCLATURE: PERSONNEL AUTOMATION SYSTEMS (BE4164)

LINE ITEM / FISCAL YEAR	CONTRACTOR	CONTRACT METHOD AND TYPE	CONTRACTED BY	AWARD DATE	DATE OF FIRST DELIVERY	QTY	UNIT COST	SPEC AVAIL NOW	SPEC REVIS REQ'D	IF YES, WHEN AVAIL
ACPERS:										
Hardware, Software & Peripherals										
FY94	VAR***	C/FPM*	AF/Ft. Belvoir	VAR**	VAR**	VAR**	VAR**			
FY95	VAR***	C/FPM*	AF/Ft. Belvoir	VAR**	VAR**	VAR**	VAR**	YES	NO	
FY96	VAR***	C/FPM*	AF/Ft. Belvoir	VAR**	VAR**	VAR**	VAR**	YES	NO	
FY97	VAR***	C/FPM*	AF/Ft. Belvoir	VAR**	VAR**	VAR**	VAR**			
Personnel Enterprise System-Automation:										
Distributed Processing & Peripherals										
FY94	Electronic Data Sys.	C/FPM-9(6)	ISSAA	JUL 94	SEP 94	VAR**	VAR**			
FY95	Herndon, Va.	C/FPM-9(7)	ISSAA	MAR 95	OCT 95	VAR**	VAR**	YES	NO	
FY96	Electronic Data Sys.	C/FPM-9(8)	ISSAA	MAR 96	OCT 96	VAR**	VAR**	YES	NO	
FY97	Herndon, Va.	C/FPM-9(9)	ISSAA	MAR 97	OCT 97	VAR**	VAR**			
MEPCOM JCC:										
Central Processing Unit FY94	Computer Sales International, St. Clair, Mi.	C/FP	FORSCOM	JAN 94	MAY 94	1	726			

D. Remarks: ISSAA-Information Systems Selection & Acquisition Agency

*Contract has option provision for an additional 12 years.

**Qty & unit cost vary by site & location requirements.

***GTSI, Chantilly, Va.; AT&T, Greensboro, NC.; SMC, Hauppauge, NY.; Anixter Bros., Chantilly, Va.

BUDGET PROCUREMENT HISTORY AND PLANNING EXHIBIT (P - 5A)

A. DATE: February 1995

B. APPROPRIATION / BUDGET ACTIVITY: Other Procurement, Army 2 - Communications and Electronics Equipment

C. P-1 ITEM NOMENCLATURE: PERSONNEL AUTOMATION SYSTEMS (BE4164)

LINE ITEM / FISCAL YEAR	CONTRACTOR	CONTRACT METHOD AND TYPE	CONTRACTED BY	AWARD DATE	DATE OF FIRST DELIVERY	QTY	UNIT COST	SPEC AVAIL NOW	SPEC REVIS REQ'D	IF YES, WHEN AVAIL
MEPCOM JCC (Continued):										
Direct Access Storage Device										
FY95	TBS	C/FP	Rock Island	MAR 95	APR 95	1	600	YES	NO	
FY96	TBS	C/FP	Rock Island	FEB 96	MAR 96	1	300	YES	NO	
FY97	TBS	C/FP	Rock Island	FEB 97	MAR 97	1	200			
Mainframe Operating System Software										
FY95	TBS	C/FP	Rock Island	MAR 95	APR 95	1	900	YES	NO	
Central Processing Unit (Mainframe) Technology Refreshment										
FY95	TBS	C/FP	FORSCOM	MAR 95	APR 95	1	115	YES	NO	
FY96	TBS	C/FP	FORSCOM	MAR 96	APR 96	1	330	YES	NO	
FY97	TBS	C/FP	FORSCOM	MAR 97	APR 97	1	663			
Front End Processor Upgrade										
FY96	TBS	C/FP	Rock Island	FEB 96	MAR 96	1	200	YES	NO	
USMA Key Automation:										
Upgrade Host Minis										
FY97	TBS	C/FP	US Military Academy	JAN97	MAR 97	8	50			

D. Remarks:

BUDGET PROCUREMENT HISTORY AND PLANNING EXHIBIT (P - 5A)

A. DATE: February 1995

B. APPROPRIATION / BUDGET ACTIVITY: Other Procurement, Army 2 - Communications and Electronics Equipment

C. P-1 ITEM NOMENCLATURE: PERSONNEL AUTOMATION SYSTEMS (BE41.64)

LINE ITEM / FISCAL YEAR	CONTRACTOR	CONTRACT METHOD AND TYPE	CONTRACTED BY	AWARD DATE	DATE OF FIRST DELIVERY	QTY	UNIT COST	SPEC AVAIL NOW	SPEC REVIS REQ'D	IF YES, WHEN AVAIL
USMA Key Automation (Continued):										
Minicomputers for Installation Support										
FY95	Sun Computers	C/FP	US Military Academy	JAN 95	MAR 95	4	78			
FY96	TBS	C/FP	US Military Academy	JAN 96	MAR 96	4	75	YES	NO	
FY97	TBS	C/FP	US Military Academy	JAN 97	MAR 97	5	70			
Lab System Upgrades										
FY94	VAR*	C/FP	US Military Academy	MAR 94	APR 94	1	581			
FY95	TBS	C/FP	US Military Academy	MAR 95	APR 95	1	851	YES	NO	
FY96	TBS	C/FP	US Military Academy	MAR 96	APR 96	1	850	YES	NO	
FY97	TBS	C/FP	US Military Academy	MAR 97	APR 97	1	300			
Library System & Upgrades										
FY94	VAR*	C/FP	US Navy	MAR 94	JUL 94	1	655			
FY95	Kestral, Arlington, Va.	C/FP	US Navy	FEB 95	MAR 95	1	53	YES	NO	
FY96	TBS	C/FP	US Navy	JAN 96	MAR 96	2	50	YES	NO	
FY97	TBS	C/FP	US Navy	NOV 96	DEC 96	2	50			
Academy Minicomputers										
FY94	Sylvest Mgmt. Sys.	C/FP	US Military Academy	JUN 94	JUL 94	VAR**	VAR**			
FY95	TBS	C/FP	US Military Academy	FEB 95	MAR 95	16	12	YES	NO	
FY97	TBS	C/FP	US Military Academy	JAN 97	MAR 97	5	100			

D. Remarks:

*Electronic Data Sys., Plano, Tx.; Cintronix Microage, Annapolis, Md.; Matrox International Corp., Edison, NJ.; Unisource, Williamsville, NY.

Sun Computers, Mountain View, CA
Sylvest Mgmt Systems, Lanham, Md.

BUDGET PROCUREMENT HISTORY AND PLANNING EXHIBIT (P - 5A)

A. DATE: February 1995

B. APPROPRIATION / BUDGET ACTIVITY: Other Procurement, Army 2 - Communications and Electronics Equipment

C. P-1 ITEM NOMENCLATURE: PERSONNEL AUTOMATION SYSTEMS (BE4164)

LINE ITEM / FISCAL YEAR	CONTRACTOR	CONTRACT METHOD AND TYPE	CONTRACTED BY	AWARD DATE	DATE OF FIRST DELIVERY	QTY	UNIT COST	SPEC AVAIL NOW	SPEC REVIS REQ'D	IF YES, WHEN AVAIL
USMA Key Automation (Continued):										
High Tech Classroom Conversion										
FY95	VAR*	C/FP	US Military Academy	JAN 95	MAR 95	5	21			
FY96	TBS	C/FP	US Military Academy	JAN 96	MAR 96	5	50	YES	NO	
FY97	TBS	C/FP	US Military Academy	JAN 97	MAR 97	4	50			
Remote Switching Modules/B Routers										
FY94	Halifax, Alexandria, Va.	C/FP	US Military Academy	MAR 94	MAY 94	1	709			
FY95	Applied Info Serv.	C/FP	US Military Academy	JAN 95	MAR 95	3	57			
FY96	TBS	C/FP	US Military Academy	JAN 96	MAR 96	5	70	YES	NO	
FY97	TBS	C/FP	US Military Academy	JAN 97	MAR 97	4	50			
Digital Imaging and Photography System										
FY95	Computer Science Dev	C/FP	CECOM	JAN 95	MAR 95	1	401			
FY96	TBS	C/FP	US Military Academy	JAN 96	MAR 96	1	450	YES	NO	
FY97	TBS	C/FP	US Military Academy	JAN 97	MAR 97	1	450			

D. Remarks: Applied Information Serv., Summerset, NJ.

*Electronic Data Sys., Plano, Tx.; Cintronix Microage, Annapolis, Md.; Matrox International Corp., Edison, NJ.; Unisource, Williamsville, NY.

Applied Information Serv., Summerset, NJ.
Computer Science Development Corp., Chantilly, VA

BUDGET PROCUREMENT HISTORY AND PLANNING EXHIBIT (P - 5A)

A. DATE: February 1995

APPROPRIATION / BUDGET ACTIVITY: Other Procurement, Army 2 - Communications and Electronics Equipment

C. P-1 ITEM NOMENCLATURE: PERSONNEL AUTOMATION SYSTEMS (BE4164)

LINE ITEM / FISCAL YEAR	CONTRACTOR	CONTRACT METHOD AND TYPE	CONTRACTED BY	AWARD DATE	DATE OF FIRST DELIVERY	QTY	UNIT COST	SPEC AVAIL NOW	SPEC REVIS REQ'D	IF YES, WHEN AVAIL
MEPCOM INTERACTIVE RESOURCE SYSTEM										
Mincomputers/peripherals/software										
FY94	Loral Federal Sys.	C/FP	ISSAA	JUN 94	JUL 94	19	315			
FY95	Bethesda, Md.	C/FP	ISSAA	APR 95	JUL 95	24	325	YES	NO	
FY96	Loral Federal Sys.	C/FP	ISSAA	APR 96	JUL 96	3	333	YES	NO	
FY97	Bethesda, Md.	C/FP	ISSAA	APR 97	JUL 97	1	292			
DCPDS/RPC										
Regional Process/Data Servers										
FY95	Loral Federal Sys.	C/FP	ISSAA	JUN 95	AUG 95	2	245	YES	NO	
FY96	Bethesda, Md.	C/FP	ISSAA	MAY 96	JUL 96	4	245	YES	NO	
FY97	Loral Federal Sys.	C/FP	ISSAA	JAN 97	MAR 97	2	245			
Regional Communications Infrastructure										
FY95	Loral Federal Sys.	C/FP	ISSAA	JUN 95	AUG 95	2	150	YES	NO	
FY96	Bethesda, Md.	C/FP	ISSAA	MAY 96	JUL 96	4	150	YES	NO	
FY97	Loral Federal Sys.	C/FP	ISSAA	JAN 97	MAR 97	2	150			

D. Remarks: ISSAA-Information Systems Selection & Acquisition Agency

BUDGET PROCUREMENT HISTORY AND PLANNING EXHIBIT (P - 5A)

A. DATE: February 1995

B. APPROPRIATION / BUDGET ACTIVITY: Other Procurement, Army 2 - Communications and Electronics Equipment

C. P-1 ITEM NOMENCLATURE: PERSONNEL AUTOMATION SYSTEMS (BE4164)

LINE ITEM / FISCAL YEAR	CONTRACTOR	CONTRACT METHOD AND TYPE	CONTRACTED BY	AWARD DATE	DATE OF FIRST DELIVERY	QTY	UNIT COST	SPEC AVAIL NOW	SPEC REVIS REQ'D	IF YES, WHEN AVAIL
DCPDS/RPC:										
Customer Support Unit Process/Data Servers										
FY95	Loral Federal Sys.	C/FP	ISSAA	JUN 95	AUG 95	15	72	YES	NO	
FY96	Bethesda, Md.	C/FP	ISSAA	MAY 96	JUL 96	34	72	YES	NO	
FY97	Loral Federal Sys.	C/FP	ISSAA	JAN 97	MAR 97	16	72			
Customer Support Unit Communications Infrastructure										
FY95	Loral Federal Sys.	C/FP	ISSAA	JUN 95	AUG 95	1	378	YES	NO	
FY96	Bethesda, Md.	C/FP	ISSAA	MAY 96	JUL 96	1	953	YES	NO	
FY97	Loral Federal Sys.	C/FP	ISSAA	JAN 97	MAR 97	1	510			
User Workstations										
FY95	Loral Federal Sys.	C/FP	ISSAA	JUN 95	AUG 95	125	4	YES	NO	
FY96	Bethesda, Md.	C/FP	ISSAA	MAY 96	JUL 96	500	4	YES	NO	
FY97	Loral Federal Sys.	C/FP	ISSAA	JAN 97	MAR 97	260	4			
System Peripherals										
FY95	Loral Federal Sys.	C/FP	ISSAA	JUN 95	AUG 95	VAR	VAR	YES	NO	
FY96	Bethesda, Md.	C/FP	ISSAA	MAY 96	JUL 96	VAR	VAR	YES	NO	
FY97	Loral Federal Sys.	C/FP	ISSAA	JAN 97	MAR 97	VAR	VAR			

D. Remarks: ISSAA-Information Systems Selection & Acquisition Agency

VAR-Qty & unit cost will vary with configuration

BUDGET PROCUREMENT HISTORY AND PLANNING EXHIBIT (P - 5A)

A. DATE: February 1995

B. APPROPRIATION / BUDGET ACTIVITY: Other Procurement, Army 2 - Communications and Electronics Equipment

C. P-1 ITEM NOMENCLATURE: PERSONNEL AUTOMATION SYSTEMS (BE4164)

LINE ITEM / FISCAL YEAR	CONTRACTOR	CONTRACT METHOD AND TYPE	CONTRACTED BY	AWARD DATE	DATE OF FIRST DELIVERY	QTY	UNIT COST	SPEC AVAIL NOW	SPEC REVIS REQ'D	IF YES, WHEN AVAIL
JOINT RECRUITING INFORMATION SUPPORT SYSTEM (JRISS)										
Developmental Infrastructure										
FY96	Loral Federal Sys.	C/FP	ISSAA	MAY 96	JUL 96	1	120	YES	NO	
FY97	Bethesda, Md.	C/FP	ISSAA	JAN 97	MAR 97	1	150			
Large Process/Data Servers										
FY96	Loral Federal Sys.	C/FP	ISSAA	MAY 96	JUL 96	10	325	YES	NO	
Brigade LANS										
FY96	Loral Federal Sys.	C/FP	ISSAA	MAY 96	JUL 96	4	80	YES	NO	
JRISS Components										
FY96	Loral Federal Sys.	C/FP	ISSAA	MAY 96	JUL 96	VAR	VAR	YES	NO	
FY97	Bethesda, Md.	C/FP	ISSAA	JAN 97	MAR 97	VAR	VAR			

D. Remarks:
VAR-Qty & unit cost will vary with configuration
JRISS components include servers, Battalion LANS, high speed printers & workstations.

REPORTS CONTROL SYMBOL DD-COMP(AR) 1092	BUDGET ITEM JUSTIFICATION SHEET	DATE February 1995

APPROPRIATION / BUDGET ACTIVITY	P-1 ITEM NOMENCLATURE
Other Procurement, Army 2 - Communications and Electronics Equipment	HIGH PERFORMANCE COMPUTING (BE4152)

	FY 94	FY 95	FY 96	FY 97	FY 98	FY 99	FY 00	FY 01
QUANTITY								
COST (In Millions)	$ 0.0	$ 0.5	$ 0.5	$ 0.5	$ 0.5	$ 0.5	$ 0.5	$ 0.5

DESCRIPTION:
This program satisfies critical needs for advanced computational technology for Army scientists, engineers and analysts, and represents the leading edge of high speed processing. This capability is not available through other technology and is designed to solve problems which cannot be solved in other ways. The program provides for an Army-Wide Supercomputing resource consisting of networked Supercomputers at various CONUS locations.

JUSTIFICATION:
Supercomputer systems are required to satisfy critical research and development missions in combat and material 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 material dynamics and composition. Supercomputers are contributing to efforts for high leverage, high payoff programs which exploit technological advances, reduce logistics burden, lower acquisition and O&M costs, and provide required lethality at reduced weight and volume.

FY 96 funds will be used to purchase a robotic mass storage upgrade for Army Research Lab (ARL), Aberdeen Proving Ground. FY 97 funds will be used to increase system input/output capability for ARL through a technological change. Growth in file sizes and requirements for additional storage have created inefficiencies due to lack of necessary supporting peripherals. Funds will leverage assets being procured through the DoD High Performance Computing (HPC) modernization program and capitalize on leading edge technology in multi-terabyte mass storage systems.

(ID CODE A)

WEAPON SYSTEM COST ANALYSIS EXHIBIT (P-5)	A. APPROPRIATION/NO. OPA 2 - Communications and Electronics Equipment	B. WEAPON MODEL/SERIES/POPULAR NAME HIGH PERFORMANCE COMPUTING (BE4152)	C. MANUF. Numerous See 5a.	D. DATE February 1995

WEAPON SYSTEM COST ELEMENTS	IDENT CODE	FY 94			FY 95			FY 96			FY 97		
		Unit Cost	Qty	Total Cost	Unit Cost	Qty	Total Cost	Unit Cost	Qty	Total Cost	Unit Cost	Qty	Total Cost
Mass Storage Upgrade	A				464	1	464						
Robotic Mass Storage Upgrade	A							461	1	461			
I/O Technology Upgrade	A										458	1	458
TOTAL				0			464			461			458

BUDGET PROCUREMENT HISTORY AND PLANNING EXHIBIT (P - 5A)	A. DATE February 1995
B. APPROPRIATION / BUDGET ACTIVITY er Procurement, Army 2 - Communications and Electronics Equipment	C. P-1 ITEM NOMENCLATURE HIGH PERFORMANCE COMPUTING (BE4152)

LINE ITEM / FISCAL YEAR	CONTRACTOR	CONTRACT METHOD AND TYPE	CONTRACTED BY	AWARD DATE	DATE OF FIRST DELIVERY	QTY	UNIT COST	SPEC AVAIL NOW	SPEC REVIS REQ'D	IF YES, WHEN AVAIL
Mass Storage upgrade FY95	GMSI **	C/FP	ARL *	Jan-95	Feb-95	1	464			
Robotic mass storage upgrade FY96	TBS	C/FP	ARL *	Jan-96	Mar-96	1	461	YES	NO	
I/O Technology Upgrade FY97	TBS	C/FP	ARL*	Jan-97	Mar-97	1	458	YES	NO	

REMARKS:
* Army Research Laboratory.

** GMSI Global Management Systems Inc., Bethesda, MD

BUDGET ITEM JUSTIFICATION SHEET

DATE February 1995

APPROPRIATION/BUDGET ACTIVITY	P-1 ITEM NOMENCLATURE
OTHER PROCUREMENT, ARMY 2 COMMUNICATIONS AND ELECTRONICS EQUIPMENT	RESERVE COMPONENT AUTOMATION SYSTEM (RCAS) SSN: BE4167

COST	FY 94	FY 95	FY 96	FY 97	FY 98	FY 99	FY 00	FY 01
($ M)	184.6	163.5	83.2	25.4	51.2	43.2	22.6	22.8

DESCRIPTION: The Reserve Component Automation System (RCAS) is an automated information system that will provide the Army the capability to more effectively mobilize and deploy Army Guard and Reserve forces. The RCAS will link over 8,000 Guard and Reserve units at over 4,754 locations. The system will link the units with their mobilization stations and higher headquarters; supply current readiness data on the units and individual ready reserve; and provide information management at the mobilization station to prepare for deployment. The RCAS is being developed and fielded through procedures outlined in OMB Circular A-109. The acquisition strategy is in three stages:

Phase I - Validation of Design (Competitive Demo - FY 91)
Phase II - Fielding Critical Elements
Phase III - Fielding the Remainder of the System and Sustainment

The RCAS received Milestone I approval in September 1989 and Milestone II in November 1991. A revised baseline and associated funding requirement is currently in staffing which describes completion of fielding system hardware, commercial-off-the-shelf (COTS) software, and the development of critical elements of application software in FY 1998.

JUSTIFICATION: In FY96 the program will continue to procure and field hardware and COTS software at a reduced rate as compared to previous years. The program will also continue to develop applications software. In addition, training and the Help Desk will continue as the program is fielded. In FY97 the current funding supports a minimal development effort for software, and basic system functions such as the Help Desk and the Systems Operations Center, but no new fielding starts.

Over fifty percent of the Army's force structure is in the Reserve Components. The existing information systems in the Reserve Components are not integrated, are limited in scope, and require excessive time to complete functions. This requires time to be spent on administrative functions that could be used for operational training. The RCAS will provide an integrated system that will ensure current, readily available data to feed the mobilization requirement. The fielding for the RCAS began with limited user testing and site preparation. Fielding of the "critical elements" began in FY93. As of Dec 94 over 1,600 units have been fielded with hardware and commercial off-the-shelf software.

Identification Code: A

INFORMATION MANAGEMENT COST ANALYSIS EXHIBIT (P-5)	A. APPROPRIATION / NO. OPA 2 - COMMUNICATIONS ELECTRONICS EQUIPMENT SSN: BE4167	B. INFO MGMT NAME: RESERVE COMPONENT AUTOMATION SYSTEM (RCAS)	C. MANUF : BOEING VIENNA, VA	D. DATE : February 1995

INFORMATION MANAGEMENT COST ELMENTS	IDENT CODE	TOTAL COST IN THOUSANDS OF DOLLARS											
		FY 94			FY 95			FY 96			FY 97		
		UNIT COST	QTY	TOTAL COST	UNIT COST	QTY	TOTAL COST	UNIT COST	QTY	TOTAL COST	UNIT COST	QTY	TOTAL COST
Hardware/COTS S/W	A		1	75,837		1	63,357		1	10,551		0	0
Software Development			1	22,154		1	23,717		1	23,961		1	3,810
System Integration			1	10,722		1	11,032		1	8,130		1	1,430
Training			1	2,344		1	1,973		1	365		1	198
Fielding			1	44,720		1	37,982		1	17,409		1	9,184
Program Management			1	14,460		1	13,829		1	14,787		1	2,361
Help Desk			1	2,817		1	3,625		1	3,239		1	3,239
Other – Award Fee, CDRL's, System Warranty, Proposal Prep			1	11,573		1	7,967		1	4,732		1	5,199
TOTAL				184,627			163,482			83,174			25,421

BUDGET PROCUREMENT HISTORY AND PLANNING EXHIBIT (P - 5A)

A. DATE: February 1995

B. APPROPRIATION / BUDGET ACTIVITY
OTHER PROCUREMENT, ARMY 2
COMMUNICATIONS AND ELECTRONICS EQUIPMENT

C. P-1 ITEM NOMENCLATURE
RESERVE COMPONENT AUTOMATION SYSTEM (RCAS)
SSN: BE4167

LINE ITEM/ FISCAL YEAR	CONTRACTOR	CONTRACT METHOD & TYPE	CONTRACTED BY	AWARD DATE	DATE OF FIRST DELIVERY	QUANTITY	UNIT COST	SPECS AVAILABLE NOW	SPEC REV REQ'D	IF YES, WHEN AVAILABLE
FY 93	BIS *	OPTION	ISSAA	**	OCT 92	1		YES	NO	
FY 94	BIS	OPTION	ISSAA	**	OCT 93	1		YES	NO	
FY 95	BIS	OPTION	ISSAA	**	OCT 94	1		YES	NO	
FY 96	BIS	OPTION	ISSAA	**	OCT 95	1		YES	NO	
FY 97	BIS	OPTION	ISSAA	**	OCT 96	1		YES	NO	

D. Remarks :

oo * Boeing Information Service (BIS), Vienna, VA.

oo The RCAS is a "turn key" system, and as such, is viewed as one system. The quantity therefore is one.

oo Source Selection for Phase II (Development & Deployment) completed 4th Qtr, FY 91.

oo ** Contract awarded to Boeing Information Services in accordance with OMB Circular A-109 on an annual option basis to the orginal contract awarded Oct 91.

REPORTS CONTROL SYMBOL DD-COMP(AR) 1092	BUDGET ITEM JUSTIFICATION SHEET	DATE February 1995

APPROPRIATION / BUDGET ACTIVITY	P-1 ITEM NOMENCLATURE
Other Procurement, Army 2 - Communications and Electronics Equipment	AFRTS (BZ8480)

	FY 94	FY 95	FY 96	FY 97	FY 98	FY 99	FY 00	FY 01
QUANTITY								
COST (In Millions)	$ 3.4	$ 3.0	$ 2.6	$ 0.4	$ 0.5	$ 0.5	$ 0.5	$ 0.5

DESCRIPTION:

The Army Broadcasting Service (ABS) is the DoD Executive Agent for the Army's Armed Forces Radio and Television Service (AFRTS) operations. AFRTS provides overseas CINCs with radio and television mass communications during normal and emergency/contingency/wartime operations in accordance with DoD Directive 5122.10, and serves DoD personnel overseas with American language news, command information and entertainment programming. Geographical areas served by Army AFRTS facilities are central and northern Europe, including Germany, England and Scotland; Italy, Spain, and the Middle East, including the Sinai and Saudi Arabia; Korea, Central and South America, and the Marshall Islands. Four Army radio and television networks, consisting of approximately 600 radio and television facilities, broadcast continuous 24 hour programming to nearly 500,000 soldiers, sailors, airmen, marines, DoD civilians and their families worldwide. AFRTS is the only mass communications available to overseas commanders to communicate time-sensitive emergency health/welfare announcements, command information and news. Overseas wartime operational CINCs consider AFRTS a battlefield support function that is essential in maintaining and enhancing the morale, readiness, and well-being of overseas troops, DoD personnel and their families. Overseas availability of the AFRTS communications service has become increasingly important to disseminate timely information as the Army downsizes and shifts resources in support of contingency, peace keeping and wartime operations such as Desert Shield/Storm and Operations Just Cause, Restore Hope and Provide Promise. Congress mandates that AFRTS provide the same type of radio and television service to personnel overseas which is available to American citizens in the United States.

JUSTIFICATION:

FY 96/97 funds will purchase commercial, off-the-shelf (COTS) audio and video recording/editing/playback systems, studio control/monitor/switching systems, radio and television broadcast transmitters, audio/video amplifiers/processors and associated test, measurement, and diagnostic equipment (TMDE). Equipment purchased supports fixed and full spectrum contingency operations, such as Desert Storm, Operation Deny Flight, Operation Support Hope (Rwanda, Uganda, Zaire), PREPO AFLOAT, Joint Task Force Bravo (Honduras), Zagreb and Macedonia, to ensure warfighting CINCs have required AFRTS broadcast resources to execute wartime and contingency/emergency information needs. In addition to a Health, Safety and Quality of Life issue, "Observations and Lessons Learned, Operation Desert Storm" validated ARMY AFRTS as a force multiplier and Battlefield Support Agency. Army AFRTS through its primary mission of command information serves as a conduit for the battlefield commander in the "Information War" (IW). The "mass communications" mission of AFRTS is not duplicated by the strategic communication mission of Army, or other services, and is the only means of direct communication from the President of the United States to US deployed forces. Overseas force reductions, force realignment, post-Conventional Forces Europe (CFE), troop strength reductions in Korea, and overseas base closures have been considered, and are factored into the items required to sustain the basic broadcast capability to remaining forces.

(ID CODE A)

WEAPON SYSTEM COST ANALYSIS EXHIBIT (P-5)	A. APPROPRIATION/NO. OPA 2 - Communications and Electronics Equipment				B. WEAPON MODEL/SERIES/POPULAR NAME AFRTS (BZ8480)						C. MANUF. Numerous See 5a.	D. DATE February 1995	
WEAPON SYSTEM COST ELEMENTS	IDENT CODE	FY 94 Unit Cost	FY 94 Qty	FY 94 Total Cost	FY 95 Unit Cost	FY 95 Qty	FY 95 Total Cost	FY 96 Unit Cost	FY 96 Qty	FY 96 Total Cost	FY 97 Unit Cost	FY 97 Qty	FY 97 Total Cost
Armed Forces Network Europe													
Replacement Equipment	A	VAR	VAR	1,240	VAR	VAR	1,585	VAR	VAR	1,444	VAR	VAR	200
System Expansion	A	VAR	VAR	298			0			0			0
New Equipment	A		VAR	0	VAR	VAR	59	VAR	VAR	120			0
American Forces Korea Network													
Replacement Equipment	A	VAR	VAR	1,325	VAR	VAR	598	VAR	VAR	623	VAR	VAR	130
System Expansion	A	VAR	VAR	90			0			0			0
New Equipment	A		VAR	0	VAR	VAR	83			0			0
Southern Command Network													
Replacement Equipment	A	VAR	VAR	336	VAR	VAR	428	VAR	VAR	329	VAR	VAR	28
System Expansion	A	VAR	VAR	52			0			0			0
New Equipment	A		VAR	0	VAR	VAR	154			0			0
Central Pacific Network													
Replacement Equipment	A	VAR	VAR	28	VAR	VAR	65	VAR	VAR	70	VAR	VAR	15
System Expansion	A	VAR	VAR	0			0			0			0
New Equipment	A		VAR	0			0			0			0
TOTAL				3,369			2,972			2,586			373

BUDGET PROCUREMENT HISTORY AND PLANNING EXHIBIT (P - 5A)

A. DATE: February 1995

B. APPROPRIATION / BUDGET ACTIVITY
Other Procurement, Army 2 - Communications and Electronics Equipment

C. P-1 ITEM NOMENCLATURE
AFRTS (BZ8480)

LINE ITEM / FISCAL YEAR	CONTRACTO	CONTRACT METHOD AND TYPE	CONTRACTED BY	AWARD DATE	DATE OF FIRST DELIVERY	QTY	UNIT COST	SPEC AVAIL NOW	SPEC REVIS REQ'D	IF YES, WHEN AVAIL
TV Transmission Equip & Accessories										
FY 94	VAR	C/FP	SAAD*	VAR	VAR	VAR	VAR			
FY 95	VAR	C/FP	T-ASA**	VAR	VAR	VAR	VAR	YES	NO	
FY 96	VAR	C/FP	T-ASA**	VAR	VAR	VAR	VAR	YES	NO	
FY 97	VAR	C/FP	T-ASA**	VAR	VAR	VAR	VAR	YES	NO	
Radio Trans. Equip. & Accessories										
FY 94	VAR	C/FP	SAAD*	VAR	VAR	VAR	VAR			
FY 95	VAR	C/FP	T-ASA**	VAR	VAR	VAR	VAR	YES	NO	
FY 96	VAR	C/FP	T-ASA**	VAR	VAR	VAR	VAR	YES	NO	
FY 97	VAR	C/FP	T-ASA**	VAR	VAR	VAR	VAR	YES	NO	
TV Studio & Production Equipment										
FY 94	VAR	C/FP	SAAD*	VAR	VAR	VAR	VAR			
FY 95	VAR	C/FP	T-ASA**	VAR	VAR	VAR	VAR	YES	NO	
FY 96	VAR	C/FP	T-ASA**	VAR	VAR	VAR	VAR	YES	NO	
FY 97	VAR	C/FP	T-ASA**	VAR	VAR	VAR	VAR	YES	NO	
Radio Studio and Production Equipment										
FY 94	VAR	C/FP	SAAD*	VAR	VAR	VAR	VAR			
FY 95	VAR	C/FP	T-ASA**	VAR	VAR	VAR	VAR	YES	NO	
FY 96	VAR	C/FP	T-ASA**	VAR	VAR	VAR	VAR	YES	NO	
FY 97	VAR	C/FP	T-ASA**	VAR	VAR	VAR	VAR	YES	NO	

REMARKS:
*Sacramento Army Depot - SAAD
** Television-Audio Support Activity - T-ASA

Equipment items are grouped into bulk buy contracts, therefore, the number of contracts and the number of items do not correspond. The list of contractors is too voluminous to address all of them on this form.

REPORTS CONTROL SYMBOL DD-COMP(AR) 1092	BUDGET ITEM JUSTIFICATION SHEET	DATE February 1995

APPROPRIATION / BUDGET ACTIVITY	P-1 ITEM NOMENCLATURE
Other Procurement, Army 2 - Communications and Electronics Equipment	ITEMS LESS THAN $2M (A/V) (BK5289)

	FY 94	FY 95	FY 96	FY 97	FY 98	FY 99	FY 00	FY 01
QUANTITY								
COST (In Millions)	$ 6.0	$ 3.8	$ 5.1	$ 2.9	$ 3.4	$ 3.5	$ 10.3	$ 11.0

DESCRIPTION: This budget line buys commercial Visual Information (VI) systems costing from $50 thousand to $2 million each in support of DOD and Army mission requirements. Army Commanders, Joint Chiefs of Staff and Unified Commanders, along with their staff, use graphics, still photography, film productions, and presentation systems to convey and clarify information for command, control, intelligence, training, recruitment, health care, procurement, readiness maintenance, operational planning and documentation. This equipment provides commanders with video, photography, audio, and computer generated media which can be integrated to convey real-time, two way information up and down the chain of command. Total VI requirements exceed $25 million annually.

All equipment has been approved for purchase through the Army Information Mission Area (IMA) Requirements Statement (RS) process and included in the Visual Information Systems Program (VISP). The VISP Program is the only means for commanders to procure, replace, or augment their VI investment systems and equipment. The equipment in the VISP has been reviewed and prioritized, both by the major command (MACOM), and Headquarters, Department of Army (HQDA), Director, Information Systems for Command, Control, Communications and Computers (DISC4). These funds are in support of the Army Plan SEC VII, Para J3b(4) "Obtain a family of information systems to meet the needs of all disciplines in the Information Mission Area developed in the context of approved information models and architecture". Funds will purchase equipment to support commanders at each post, camp and station, plus HQDA, Office of the Joint Chiefs of Staff (OJCS), Office of the Secretary of Defense (OSD), other government agencies in the National Capital Region, as well as, the U.S. Military Academy, National Defense University CAPSTONE course, Training and Doctrine Command (TRADOC) schools, and the National Guard and Army Reserves training. Visual Information Center is designated by policy regulated by DoD Directive 5040.2 and AR 25-1 as Joint Visual Information Service (JVIS).

JUSTIFICATION: FY 96/97 funds provide VI equipment for CONUS, Korea, Japan, Europe, Southern Command (SOUTHCOM), and US Army Pacific (USARPAC). The equipment to be purchased is listed in the associated FY VISP program.

(ID CODE A)

WEAPON SYSTEM COST ANALYSIS EXHIBIT (P-5)	A. APPROPRIATION/NO. OPA 2 - Communications and Electronics Equipment	B. WEAPON MODEL/SERIES/POPULAR NAME ITEMS LESS THAN $2M (A/V) (BK5289)	C. MANUF. Numerous See 5a.	D. DATE February 1995

WEAPON SYSTEM COST ELEMENTS	IDENT CODE	FY 94 Unit Cost	FY 94 Qty	FY 94 Total Cost	FY 95 Unit Cost	FY 95 Qty	FY 95 Total Cost	FY 96 Unit Cost	FY 96 Qty	FY 96 Total Cost	FY 97 Unit Cost	FY 97 Qty	FY 97 Total Cost
Procurement actions consisting of one or more items of Visual Information Equipment. Individual items are listed in the Visual Information Systems Program (VISP) for year indicated. The Army maintains a priority listing.	A	VAR	VAR	6,020	VAR	VAR	3,822	VAR	VAR	5,102	VAR	VAR	2,850
TOTAL				6,020			3,822			5,102			2,850

BUDGET PROCUREMENT HISTORY AND PLANNING EXHIBIT (P-5A)

A. DATE: February 1995

B. APPROPRIATION / BUDGET ACTIVITY
Other Procurement, Army 2 - Communications and Electronics Equipment

C. P-1 ITEM NOMENCLATURE
ITEMS LESS THAN $2M (A/V) (BK5289)

LINE ITEM / FISCAL YEAR	CONTRACTOR	CONTRACT METHOD AND TYPE	CONTRACTED BY	AWARD DATE	DATE OF FIRST DELIVERY	QTY	UNIT COST	SPEC AVAIL NOW	SPEC REVIS REQ'D	IF YES, WHEN AVAIL
Various VI Equipment*										
FY 94	VAR*	C/FP	T-ASA	VAR*	VAR*	VAR*	VAR*			
FY 95	VAR*	C/FP	T-ASA	VAR*	VAR*	VAR*	VAR*	YES	NO	
FY 96	VAR*	C/FP	T-ASA	VAR*	VAR*	VAR*	VAR*	YES	NO	
FY 97	VAR*	C/FP	T-ASA	VAR*	VAR*	VAR*	VAR*			

REMARKS:
The various items of Visual Information (VI) equipment are listed in the Visual Information System Program (VISP) for the year indicated.
Because some equipment items are grouped into a bulk buy contract, the number of contracts and the number of items do not correspond.

Television-Audio Support Activity (T-ASA)

REPORTS CONTROL SYMBOL: DD-COMP (AR) 1092	UNCLASSIFIED	DATE:
BUDGET ITEM JUSTIFICATION SHEET		February 1995

APPROPRIATION/BUDGET ACTIVITY:	P-1 ITEM NOMENCLATURE:
Other Procurement, Army 2 Communications and Electronics Equipment	Calibration Sets Equipment (BZ5269)

	FY94	FY95	FY96	FY97	FY98	FY99	FY00	FY01
QUANTITY								
COST (IN MILLIONS)	14.7	10.3	11.5	11.6	8.7	8.7	12.9	25.7

DESCRIPTION:
Calibration Sets Equipment comprises calibration standards (hardware), accessories, and repair equipment required to perform the Army-wide test, measurement, and diagnostic equipment (TMDE) calibration and repair mission. This equipment provides for accuracy verification of TMDE by maintaining legal traceability to standards established and maintained by the U.S. National Institute of Standards and Technology. The AN/GSM-286 and AN/GSM-287 Calibration Sets and the Reference Calibration Sets are an integral part of the Army calibration system and are used by direct support/general support maintenance units worldwide. This program supports the TMDE required to assure the operability, accuracy, and effectiveness of the Army's weapons systems.

JUSTIFICATION:
The Calibration Sets Equipment funding provides for the replacement of obsolete and worn-out calibration equipment and for procurement of state-of-the-art equipment required to support new and technologically advanced weapons systems such as the Multiple Launch Rocket System (MLRS), Apache, Bradley Fighting Vehicle, and Patriot. The calibration equipment is required to ensure the Army's weapons systems are maintained in the proper state of readiness.

The FY96 funds will provide for replacement of the current inventory of pneumatic pressure standards which were custom built for the Army 12 years ago. The commercial replacement will be much easier and less expensive to maintain. High frequency generators will be procured in FY96 to augment the generators used in the signal generator workstation. The augmentation will enable TMDE maintenance units to meet requirements that are continually backlogged because of the demands on the available equipment when the signal generator workstations are in operation. Alternating current standards and voltage/current amplifiers will be procured in FY96 to replace ageing equipment which is extremely difficult and expensive to maintain because spare parts are no longer available on the market. Calibration activities will gain the capability to perform off-line calibration and repair of the Integrated Family of Test Equipment digital multimeter and three-function virtual instrument cards through procurement of the VXI input/output bus. The gage block comparator and pressure calibration systems will provide capability for automated calibration and result in reduced manpower expenditures. The pressure calibration system allows for batch reference level calibrations of pneumatic and hydraulic pressure standards and significantly reduces the total calibration time for these items.

The FY97 funds will be used to replace the current signal generator workstations with VXI-based equipment. The existing equipment is obsolete and difficult to maintain because spare parts are no longer available. The signal generator workstation is the crucial link of calibration traceability for all Army radar and communications systems. Expanded bandwidth into the millimeter range will support systems such as MLRS, Satellite Communications, and advanced combat identification systems. The new workstations will have a much smaller footprint and weigh significantly less than the existing equipment. Obtaining this smaller size and lighter weight is an essential first step in downsizing the calibration sets and will enhance on-site weapons systems support. The frequency counter which is part of the AN/GSM-286 and AN/GSM-287 Calibration Sets is 14 years old and will be replaced during FY97. A replacement counter with an extended range into the microwave frequencies is needed to support weapons systems such as Avenger, All Source Analysis System, MLRS, Paladin, and Kiowa Warrior. A replacement for the Calibration Sets instrument controller will also be procured in FY97. The present controllers are obsolete and are becoming increasingly difficult to support because spare parts are not available. The oscilloscope workstation augmentation to be procured in FY97 will increase the workstation bandwidth to 1 GHz and provide a capability to support the next generation of digitized oscilloscopes.

WEAPON SYSTEM COST ANALYSIS EXHIBIT (P-5)	A. Appropriation/Budget Activity Title/No. OPA 2/C-E Equipment	B. WEAPON MODEL/SERIES/POPULAR NAME Calibration Sets Equipment	C MANUFACTURER NAME PLANT CITY/STATE LOCATION Various	D. DATE February 1995

Weapon System Cost Elements	IDENT CODE	FY94 Unit Cost	FY94 Qty Total Cost	FY95 Unit Cost	FY95 Qty Total Cost	FY96 Unit Cost	FY96 Qty Total Cost	FY97 Unit Cost	FY97 Qty Total Cost
Hardware	A		12,374		8,020		9,202		9,295
Government Engineering/Support			2,160		2,100		2,100		2,100
Fielding									
New Equipment Training (NET)			148		155		155		155
Program Totals			14,682		10,275		11,457		11,550

BUDGET PROCUREMENT HISTORY AND PLANNING EXHIBIT (P-5A)

A. DATE: February 1995

B. APPROPRIATION/BUDGET ACTIVITY:
Other Procurement, Army 2
Communications and Electronics Equipment

C. P-1 ITEM NOMENCLATURE:
Calibration Sets Equipment (BZ5269)

Cost Element/ FISCAL YR	CONTRACTOR AND LOCATION	CONTRACT METHOD & TYPE	CONTRACTED BY	AWARD DATE	DATE OF FIRST DELIVERY	QUANTITY	UNIT COST	SPECS AVAILABLE NOW	SPEC REV REQ'D	IF YES, WHEN AVAILABLE
FY94										
Long Gage Block	Edmunds; Farmington, CT	C/FP	MICOM	Mar 94	Jan 95	18	14,061			
HP 5345 Freq Counter	Hewlett Packard; HSV, AL	SS/FP	MICOM	Nov 93	Dec 93	46	19,043			
Scalar Analyzer	Gigatronics; Sunnyvale, CA	MIPR	NAVY	Dec 93	Jul 94	64	22,875			
Auto Network Analyzer	Wiltron; Morgan Hill, CA	C/FP	MICOM	Jun 94	Oct 94	4	100,471			
RLC Workstation	Wayne Kerr; Woburn, MA	C/FP	MICOM	Jun 94	Mar 95	157	4,738			
Argo Calibrator	Argo Systems; Sunnyvale, CA	C/FP	MICOM	Jan 94	Jan 95	1	210,604			
Pulse Generator	Lecroy; Chestnut Ridge, NY	C/FP	MICOM	Apr 94	Jan 95	105	11,607			
Fiber Opt Source (FOCUS)	Nichols Research; HSV, AL	SS/FP	MICOM	Aug 94	Aug 95	56	38,423			
Source Co 60/CS 137	JL Sheppard; San Fernando,CA	C/FP	MICOM	Jun 94	Oct 94	1	216,590			
High Freq Generator	Rhode Schwary; Lanham, MD	MIPR	AF	May 94	Dec 94	102	8,790			
Fiber Optic Power Meter	Hewlett Packard; HSV, AL	C/FP	MICOM	May 94	Aug 94	39	6,975			
Multiple	Various	Various	Various	FY94	Various	Various	*3,668,952			

D. REMARKS:

The Calibration Sets acquisitions are numerous, therefore, only production acquisitions totalling more than $200,000 are identified above.

* The FY94 line items with individual acquisitions less than $200,000 have combined costs of $3.669 million.

BUDGET PROCUREMENT HISTORY AND PLANNING EXHIBIT (P-5A)

A. DATE: February 1995

B. APPROPRIATION/BUDGET ACTIVITY:
Other Procurement, Army 2
Communications and Electronics Equipment

C. P-1 ITEM NOMENCLATURE:
Calibration Sets Equipment (BZ5269)

Cost Element/ FISCAL YR	CONTRACTOR AND LOCATION	CONTRACT METHOD & TYPE	CONTRACTED BY	AWARD DATE	DATE OF FIRST DELIVERY	QUANTITY	UNIT COST	SPECS AVAILABLE NOW	SPEC REV REQ'D	IF YES, WHEN AVAILABLE
FY95										
Pulse Generator	Lecroy; Chestnut Ridge, NY	C/Option	MICOM	Nov 94	Aug 95	71	10,873			
IFF Peak Pulser	TBS	C/FP	MICOM	May 95	Feb 96	58	16,638	Yes		
DC/HV Calibrator	TBS	C/FP	MICOM	May 95	Mar 96	82	8,000	Yes		
Pneumatic Pressure Std	TBS	C/FP	MICOM	Jun 95	Jan 96	81	10,000	Yes		
High Accuracy DVM	Hewlett Packard; Dallas, TX	MIPR	AF	Feb 95	Dec 95	96	3,480			
High Freq Source	Wiltron; Morgan Hill, CA	MIPR	Marine Corp	Jan 95	Sep 95	57	17,509			
Bar Code Scanner	Intermec; Everett, WA	MIPR	PM TACMIS	Mar 95	Dec 95	75	4,453			
Repository ADPE	TBS	C/FP	MICOM	Feb 95	Nov 95	1	381,000	Yes		
Multiple	Various	Various	Various	FY95	Various	Various	*2,769,945			

D. REMARKS:

The Calibration Sets acquisitions are numerous, therefore, only production acquisitions totalling more than $200,000 are identified above.

* The FY95 line items with individual acquisitions less than $200,000 have combined costs of $2.770 million.

BUDGET PROCUREMENT HISTORY AND PLANNING EXHIBIT (P-5A)

A. DATE: February 1995

B. APPROPRIATION/BUDGET ACTIVITY:
Other Procurement, Army 2
Communications and Electronics Equipment

C. P-1 ITEM NOMENCLATURE:
Calibration Sets Equipment (BZ5269)

Cost Element/ FISCAL YR	CONTRACTOR AND LOCATION	CONTRACT METHOD & TYPE	CONTRACTED BY	AWARD DATE	DATE OF FIRST DELIVERY	QUANTITY	UNIT COST	SPECS AVAILABLE NOW	SPEC REV REQ'D	IF YES, WHEN AVAILABLE
FY96										
Pneumatic Pressure Std	TBS	C/Option	MICOM	Jan 96	Sep 96	107	10,000			
High Freq Source	Wiltron; Morgan Hill, CA	MIPR	Marine Corp	Jan 96	Jun 96	57	17,509			
AC Current Standard	TBS	C/FP	MICOM	Feb 96	Jan 97	89	3,382	No		
IFTE I/O VXI Bus	TBS	C/FP	MICOM	Mar 96	Dec 96	36	10,000	No		
Voltage/Current Amp	TBS	C/FP	MICOM	Mar 96	Dec 96	166	9,036	No		
Auto Gage Block Comp	TBS	C/FP	MICOM	Mar 96	Dec 96	1	250,000	Yes		
Pressure Cal System	TBS	C/FP	MICOM	Mar 96	Dec 96	6	75,333	No		
Micrometer Calibrator	TBS	C/FP	MICOM	Feb 96	Dec 96	9	30,000	No		
Scope/Meter	TBS	C/FP	MICOM	Mar 96	Jul 96	175	2,000	No		
Repository ADPE	TBS	C/FP	MICOM	Mar 96	Aug 96	1	219,000	No		
Multiple	Various	Various	Various	FY96	Various	Various	*3,432,015			

D. REMARKS:

The Calibration Sets acquisitions are numerous, therefore, only production acquisitions totalling more than $200,000 are identified above.

* The FY96 line items with individual acquisitions less than $200,000 have combined costs of $3.432 million.

BUDGET PROCUREMENT HISTORY AND PLANNING EXHIBIT (P-5A)

A. DATE: February 1995

B. APPROPRIATION/BUDGET ACTIVITY:
Other Procurement, Army 2
Communications and Electronics Equipment

C. P-1 ITEM NOMENCLATURE:
Calibration Sets Equipment (BZ5269)

Cost Element/ FISCAL YR	CONTRACTOR AND LOCATION	CONTRACT METHOD & TYPE	CONTRACTED BY	AWARD DATE	DATE OF FIRST DELIVERY	QUANTITY	UNIT COST	SPECS AVAILABLE NOW	SPEC REV REQ'D	IF YES, WHEN AVAILABLE
FY97										
Accessories Kit	TBS	C/FP	MICOM	Dec 96	Sep 97	187	2,000	No		
Sig Gen Workstation	TBS	C/FP	MICOM	Feb 97	Oct 97	100	50,000	No		
O'scope WS Augmentation	TBS	C/FP	MICOM	Feb 97	Oct 97	187	5,000	No		
Frequency Counter	TBS	C/FP	MICOM	Feb 97	Jul 97	87	15,000	No		
Instrument Controller	TBS	C/FP	MICOM	Mar 97	Oct 97	187	6,000	No		
Multiple	Various	Various	Various	FY97	Various	Various	559,000 *			

D. REMARKS:

The Calibration Sets acquisitions are numerous, therefore, only production acquisitions totalling more than $200,000 are identified above.

* The FY97 line items with individual acquisitions less than $200,000 have combined costs of $0.559 million.

REPORTS CONTROL SYMBOL:
DD-COMP (AR) 1092

UNCLASSIFIED

DATE: February 1995

PRODUCTION SCHEDULE

APPROPRIATION/BUDGET ACTIVITY:
Other Procurement, Army 2
Communications and Electronics Equipment

P-1 ITEM NOMENCLATURE:
Calibration Sets Equipment (BZ5269)

FAC NO	U/M	SERV	PROGRAM QUANTITY FY 94 & Pr	FY 95	FY 96	FY 97	FY 98	FY 99	ACCEPT PRIOR TO 1 OCT 1994	BAL DUE AS OF 1 OCT 1994	FISCAL YEAR 95														FISCAL YEAR 96												FISCAL YEAR 97												LATER
											CY 94			CALENDAR YEAR 95												CALENDAR YEAR 96												CALENDAR YEAR 97												
											OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	
			Long Gage Block																																													
1	ea	A	18							18				5	5	5	3																															
			HP 5345 Freq Counter																																													
2	ea	A	46						46																																							
			Scalar Analyzer																																													
3	ea	A	64						48	16	16																																					
			Auto Network Analyzer																																													
4	ea	A	4							4	1	1	1	1																																	
			RLC Workstation																																													
5	ea	A	157							157						20	20	20	20	20	20	20	17																									
TOTAL MONTHLY PRODUCTION									94	195	17	1	1	6	5	25	23	20	20	20	20	20	17	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	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	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	

FAC. NO.	MANUFACTURER'S NAME AND LOCATION	PRODUCTION RATES MINIMUM	1-8-5	MAXIMUM	MONTHS TO REACH MAX AFTER D DAY
1	Edmunds	2	5	10	
2	Hewlett Packard	2	5	10	
3	Gigatronics	5	16	20	
4	Wiltron	1	1	5	
5	Wayne Kerr	16	20	24	

PROCUREMENT LEAD TIME				
	ADMIN LEAD TIME			
INITIAL	PRIOR 1 OCT	AFTER 1 OCT	MANUFACTURING TIME	TOTAL AFTER 1 OCT
FAC 1	6	5	10	15
FAC 2	9	1	1	2
FAC 3	9	2	7	9
FAC 4	3	8	4	12
FAC 5	0	8	9	17

REMARKS:

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REPORTS CONTROL SYMBOL:
DD-COMP (AR) 1092

UNCLASSIFIED

DATE: February 1995

PRODUCTION SCHEDULE

APPROPRIATION/BUDGET ACTIVITY:
Other Procurement, Army 2
Communications and Electronics Equipment

P-1 ITEM NOMENCLATURE:
Calibration Sets Equipment (BZ5269)

FAC NO	U/M	SERV	PROGRAM QUANTITY	FY 94 & Pr	FY 95	FY 96	FY 97	FY 98	FY 99	ACCEPT PRIOR TO 1 OCT 1994	BAL DUE AS OF 1 OCT 1994	FISCAL YEAR 95												FISCAL YEAR 96												FISCAL YEAR 97												LATER
												CY 94			CALENDAR YEAR 95												CALENDAR YEAR 96												CALENDAR YEAR 97												
												OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	
			Argo Calibrator																																													
6	ea	A		1							1				1																																	
			Pulse Generator																																													
7	ea	A		105							105				15	15	15	15	15	15	15																										
			Fiber Opt Source(FOCUS)																																													
8	ea	A		56							56											6	6	6	6	6	6	6	6	5	3																		
			Source CO 60/CS 137																																													
9	ea	A		1							1	1																																			
			High Freq Generator																																													
10	ea	A		102							102			20	20	20	20	20	2																												
TOTAL MONTHLY PRODUCTION											265	1	0	20	36	35	35	35	17	15	15	6	6	6	6	6	6	6	6	5	3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	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	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	

FAC. NO.	MANUFACTURER'S NAME AND LOCATION	PRODUCTION RATES MINIMUM	1-8-5	MAXIMUM	MONTHS TO REACH MAX AFTER D DAY
6	Argo Systems	1	1	2	
7	Lecroy	1	15	20	
8	Nichols Research	3	6	10	
9	J.L. Sheppard	1	1	2	
10	Rhode Schwary	10	20	30	

PROCUREMENT LEAD TIME	INITIAL	ADMIN LEAD TIME PRIOR 1 OCT	ADMIN LEAD TIME AFTER 1 OCT	MANUFACTURING TIME	TOTAL AFTER 1 OCT
FAC 6		8	3	12	15
FAC 7		5	6	9	15
FAC 8		1	10	12	22
FAC 9		3	8	4	12
FAC 10		4	7	7	14

REMARKS:

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REPORTS CONTROL SYMBOL:
DD-COMP (AR) 1092

UNCLASSIFIED

PRODUCTION SCHEDULE

DATE: February 1995

APPROPRIATION/BUDGET ACTIVITY:
Other Procurement, Army 2
Communications and Electronics Equipment

P-1 ITEM NOMENCLATURE:
Calibration Sets Equipment (BZ5269)

FAC NO	U/M	SERV	PROGRAM QUANTITY FY 94 & Prior	FY 95	FY 96	FY 97	FY 98	FY 99	ACCEPT PRIOR TO 1 OCT 1994	BAL DUE AS OF 1 OCT 1994	FISCAL YEAR 95														FISCAL YEAR 96												FISCAL YEAR 97												LATER
											CY 94			CALENDAR YEAR 95												CALENDAR YEAR 96												CALENDAR YEAR 97												
											OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	
			Fiber Optic Power Meter																																													
11	ea	A	39						12	27	6	6	6	6	3																																	
TOTAL MONTHLY PRODUCTION									12	27	6	6	6	6	3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	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	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	

FAC. NO.	MANUFACTURER'S NAME AND LOCATION	PRODUCTION RATES MINIMUM	1-8-5	MAXIMUM	MONTHS TO REACH MAX AFTER D DAY
11	Hewlett Packard	3	6	10	

PROCUREMENT LEAD TIME	ADMIN LEAD TIME PRIOR 1 OCT	ADMIN LEAD TIME AFTER 1 OCT	MANUFACTURING TIME	TOTAL AFTER 1 OCT
INITIAL				
FAC 11	4	7	3	10

REMARKS:

P-1 SHOPPING LIST

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REPORTS CONTROL SYMBOL:
DD-COMP (AR) 1092

UNCLASSIFIED

PRODUCTION SCHEDULE

DATE: February 1995

APPROPRIATION/BUDGET ACTIVITY:
Other Procurement, Army 2
Communications and Electronics Equipment

P-1 ITEM NOMENCLATURE:
Calibration Sets Equipment (BZ5269)

FAC NO	U/M	SERV	PROGRAM QUANTITY FY 94 & Pr	FY 95	FY 96	FY 97	FY 98	FY 99	ACCEPT PRIOR TO 1 OCT 1994	BAL DUE AS OF 1 OCT 1994	FISCAL YEAR 95												FISCAL YEAR 96												FISCAL YEAR 97												LATER
											CY 94			CALENDAR YEAR 95										CALENDAR YEAR 96												CALENDAR YEAR 97												
											OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	
			Pulse Generator																																											
1	ea	A		71						71		A									15	15	15	15	11																						
			IFF Peak Pulser																																											
2	ea	A		58						58								A								10	10	10	10	10	8															
			DC/HV Calibrator																																											
3	ea	A		82						82								A									10	10	10	10	10	10	10	10	2										
			Pneumatic Pressure Std																																											
4	ea	A		81						81									A							10	10	10	10	10	10	10	10	1										
			High Accuracy DVM																																											
5	ea	A		96						96					A										10	10	10	10	10	10	10	10	6										
TOTAL MONTHLY PRODUCTION										388	0	0	0	0	0	0	0	0	0	0	15	15	15	15	21	20	30	40	40	40	40	38	30	17	10	2	0	0	0	0	0	0	0	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	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	

FAC. NO.	MANUFACTURER'S NAME AND LOCATION	PRODUCTION RATES MINIMUM	1-8-5	MAXIMUM	MONTHS TO REACH MAX AFTER D DAY
1	Lecroy	1	15	20	
2	TBS	3	10	20	
3	TBS	3	10	15	
4	TBS	1	10	15	
5	Hewlett Packard	3	10	15	

PROCUREMENT LEAD TIME	ADMIN LEAD TIME PRIOR 1 OCT	ADMIN LEAD TIME AFTER 1 OCT	MANUFACTURING TIME	TOTAL AFTER 1 OCT
INITIAL				
FAC 1	* 0	1	9	10
FAC 2	4	7	9	16
FAC 3	4	7	10	17
FAC 4	3	8	7	15
FAC 5	7	4	10	14

REMARKS:
* Reorder

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REPORTS CONTROL SYMBOL:
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DATE: February 1995

PRODUCTION SCHEDULE

APPROPRIATION/BUDGET ACTIVITY:
Other Procurement, Army 2
Communications and Electronics Equipment

P-1 ITEM NOMENCLATURE:
Calibration Sets Equipment (BZ5269)

FAC NO	U/M	SERV	PROGRAM QUANTITY FY 94 & Pr	FY 95	FY 96	FY 97	FY 98	FY 99	ACCEPT PRIOR TO 1 OCT 1994	BAL DUE AS OF 1 OCT 1994	FISCAL YEAR 95												FISCAL YEAR 96												FISCAL YEAR 97												LATER
											CY 94			CALENDAR YEAR 95												CALENDAR YEAR 96												CALENDAR YEAR 97												
											OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	
			High Freq Source																																												
6	ea	A		57						57				A							10	10	10	10	10	7																					
			Bar Code Scanner																																												
7	ea	A		75						75						A							20	20	20	15																					
			Repository ADPE																																												
8	ea	A		1						1					A								1																							
TOTAL MONTHLY PRODUCTION										133	0	0	0	0	0	0	0	0	0	0	0	10	10	11	30	30	27	15	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	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	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	

FAC. NO.	MANUFACTURER'S NAME AND LOCATION	PRODUCTION RATES MINIMUM	1-8-5	MAXIMUM	MONTHS TO REACH MAX AFTER D DAY
6	Wiltron	2	10	15	
7	Intermec	10	20	25	
	TBS	1	1	2	

PROCUREMENT LEAD TIME	ADMIN LEAD TIME PRIOR 1 OCT	ADMIN LEAD TIME AFTER 1 OCT	MANUFACTURING TIME	TOTAL AFTER 1 OCT
INITIAL				
FAC 6	8	3	8	11
FAC 7	6	5	9	14
FAC 8	7	4	9	13

REMARKS:

REPORTS CONTROL SYMBOL:
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PRODUCTION SCHEDULE

APPROPRIATION/BUDGET ACTIVITY:
Other Procurement, Army 2
Communications and Electronics Equipment

P-1 ITEM NOMENCLATURE:
Calibration Sets Equipment (BZ5269)

FAC NO	U/M	SERV	PROGRAM QUANTITY FY 94 & Pr	FY 95	FY 96	FY 97	FY 98	FY 99	ACCEPT PRIOR TO 1 OCT 1994	BAL DUE AS OF 1 OCT 1994	FISCAL YEAR 95														FISCAL YEAR 96												FISCAL YEAR 97												LATER
											CY 94			CALENDAR YEAR 95												CALENDAR YEAR 96												CALENDAR YEAR 97												
											OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	
			Pneumatic Pressure Std																																														
1	ea	A			107					107																A								** 9	10	10	10	10	10	10	10	10	10	8				
			High Freq Source																																														
2	ea	A			57					57																A					10	10	10	10	10	7												
			AC Current Standard																																														
3	ea	A			89					89																	A												10	10	10	10	10	10	10	10	9		
			IFTE I/O VXI Bus																																														
4	ea	A			36					36																		A												10	10	6								
			Voltage/Current Amp																																														
5	ea	A			166					166																		A												20	20	20	20	20	20	20	6			
TOTAL MONTHLY PRODUCTION										455	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	10	10	10	19	20	17	40	50	50	46	40	40	40	38	16	9	
											OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	

* Reorder.

** Production schedule for Sep 96 on FY95/96 contracts totals 10, the 1-8-5 production rate.

FAC. NO.	MANUFACTURER'S NAME AND LOCATION	PRODUCTION RATES MINIMUM	1-8-5	MAXIMUM	MONTHS TO REACH MAX AFTER D DAY
1	TBS	1	10	15	
2	Wiltron	2	10	15	
3	TBS	5	10	15	
4	TBS	5	10	15	
5	TBS	10	20	25	

PROCUREMENT LEAD TIME INITIAL	ADMIN LEAD TIME PRIOR 1 OCT	ADMIN LEAD TIME AFTER 1 OCT	MANUFACTURING TIME	TOTAL AFTER 1 OCT
FAC 1	* 0	3	8	11
FAC 2	* 0	3	5	8
FAC 3	7	4	11	15
FAC 4	6	5	9	14
FAC 5	6	5	9	14

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PRODUCTION SCHEDULE

APPROPRIATION/BUDGET ACTIVITY:
Other Procurement, Army 2
Communications and Electronics Equipment

P-1 ITEM NOMENCLATURE:
Calibration Sets Equipment (BZ5269)

FAC NO	U/M	SERV	PROGRAM QUANTITY FY 94 & Pr	FY 95	FY 96	FY 97	FY 98	FY 99	ACCEPT PRIOR TO 1 OCT 1994	BAL DUE AS OF 1 OCT 1994	FISCAL YEAR 95												FISCAL YEAR 96												FISCAL YEAR 97												LATER
											CY 94			CALENDAR YEAR 95											CALENDAR YEAR 96												CALENDAR YEAR 97												
											OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	
			Auto Gage Block Comp																																												
6	ea	A			1					1															A											1										
			Pressure Cal System																																												
7	ea	A			6					6															A											5	1									
			Micrometer Calibrator																																												
8	ea	A			9					9															A											9										
			Scope/Meter																																												
9	ea	A			175					175															A						20	20	20	20	20	20	20	20	15								
			Repository ADPE																																											
10	ea	A			1					1															A										1										
TOTAL MONTHLY PRODUCTION										192	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	20	21	20	20	20	35	21	20	15	0	0	0	0	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	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	

FAC. NO.	MANUFACTURER'S NAME AND LOCATION	PRODUCTION RATES MINIMUM	1-8-5	MAXIMUM	MONTHS TO REACH MAX AFTER D DAY
6	TBS	1	1	2	
7	TBS	3	5	10	
8	TBS	5	10	15	
9	TBS	10	20	25	
10	TBS	1	1	2	

	PROCUREMENT LEAD TIME INITIAL	ADMIN LEAD TIME PRIOR 1 OCT	ADMIN LEAD TIME AFTER 1 OCT	MANUFACTURING TIME	TOTAL AFTER 1 OCT
FAC 6		6	5	9	14
FAC 7		6	5	9	14
FAC 8		7	4	10	14
FAC 9		6	5	4	9
FAC 10		6	5	5	10

REMARKS:

REPORTS CONTROL SYMBOL:
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DATE: February 1995

PRODUCTION SCHEDULE

APPROPRIATION/BUDGET ACTIVITY:
Other Procurement, Army 2
Communications and Electronics Equipment

P-1 ITEM NOMENCLATURE:
Calibration Sets Equipment (BZ5269)

FAC NO	U/M	SERV	PROGRAM QUANTITY FY 94 & Pr	FY 95	FY 96	FY 97	FY 98	FY 99	ACCEPT PRIOR TO 1 OCT 1994	BAL DUE AS OF 1 OCT 1994	FISCAL YEAR 95												FISCAL YEAR 96												FISCAL YEAR 97												LATER
											CY 94			CALENDAR YEAR 95												CALENDAR YEAR 96												CALENDAR YEAR 97												
											OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	
			Accessories Kit																																												
1	ea	A				187				187															A																					20	167
			Sig Gen Workstation																																												
2	ea	A				100				100																															A								100
			O'scope WS Augmentation																																												
3	ea	A				187				187																															A								187
			Frequency Counter																																												
4	ea	A				87				87																															A					20	20	20	27
			Instrument Controller																																												
5	ea	A				187				187																																A								187
TOTAL MONTHLY PRODUCTION										748	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	20	20	40	668
											OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	

FAC. NO.	MANUFACTURER'S NAME AND LOCATION	PRODUCTION RATES MINIMUM	1-8-5	MAXIMUM	MONTHS TO REACH MAX AFTER D DAY
1	TBS	10	20	30	
2	TBS	10	20	30	
3	TBS	10	20	30	
4	TBS	10	20	30	
5	TBS	10	20	30	

PROCUREMENT LEAD TIME	ADMIN LEAD TIME PRIOR 1 OCT	ADMIN LEAD TIME AFTER 1 OCT	MANUFACTURING TIME	TOTAL AFTER 1 OCT
INITIAL				
FAC 1	9	2	9	11
FAC 2	7	4	8	12
FAC 3	7	4	8	12
FAC 4	7	4	5	9
FAC 5	6	5	7	12

REMARKS:

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PRODUCTION SCHEDULE

APPROPRIATION/BUDGET ACTIVITY:
Other Procurement, Army 2
Communications and Electronics Equipment

P-1 ITEM NOMENCLATURE:
Calibration Sets Equipment (BZ5269)

FAC NO	U/M	SERV	PROGRAM QUANTITY FY 94 & Pr	FY 95	FY 96	FY 97	FY 98	FY 99	ACCEPT PRIOR TO 1 OCT 1997	BAL DUE AS OF 1 OCT 1997	FISCAL YEAR 98														FISCAL YEAR 99												FISCAL YEAR 00												LATER
											CY 97			CALENDAR YEAR 98											CALENDAR YEAR 99												CALENDAR YEAR 00												
											OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	
			Accessories Kit																																													
1	ea	A				187			20	167	20	20	20	20	20	20	20	20	7																														
			Sig Gen Workstation																																													
2	ea	A				100				100	20	20	20	20	20																																	
			O'scope WS Augmentation																																													
3	ea	A				187				187	20	20	20	20	20	20	20	20	20	7																													
			Frequency Counter																																													
4	ea	A				87			60	27	20	7																																					
			Instrument Controller																																													
5	ea	A				187				187	20	20	20	20	20	20	20	20	20	7																													
TOTAL MONTHLY PRODUCTION									80	668	100	87	80	80	80	60	60	60	47	14	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
											OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	

FAC. NO.	MANUFACTURER'S NAME AND LOCATION	PRODUCTION RATES MINIMUM	1-8-5	MAXIMUM	MONTHS TO REACH MAX AFTER D DAY
1	TBS	10	20	30	
2	TBS	10	20	30	
3	TBS	10	20	30	
4	TBS	10	20	30	
5	TBS	10	20	30	

PROCUREMENT LEAD TIME	INITIAL	ADMIN LEAD TIME PRIOR 1 OCT	ADMIN LEAD TIME AFTER 1 OCT	MANUFACTURING TIME	TOTAL AFTER 1 OCT
FAC 1	9	2	9	11	
FAC 2	7	4	8	12	
FAC 3	7	4	8	12	
FAC 4	7	4	5	9	
FAC 5	6	5	7	12	

REMARKS:

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BUDGET ITEM JUSTIFICATION SHEET

APPROPRIATION/BUDGET ACTIVITY:
Other Procurement, Army 2
Communications and Electronics Equipment

P-1 ITEM NOMENCLATURE:
Integrated Family of Test Equipment (IFTE) (KA4000)

	FY94	FY95	FY96	FY97	FY98	FY99	FY00	FY01
QUANTITY								
COST (IN MILLIONS)	57.8	62.3	26.4	20.1	15.7	16.1	68.4	68.4

DESCRIPTION:

The Integrated Family of Test Equipment (IFTE) is the Army's program to provide automatic test equipment (ATE) which is configurable to support multiple weapons systems. It consists of the Base Shop Test Facility (BSTF), the Contact Test Set (CTS), and the Electro-Optics (EO) program. IFTE provides standard ATE capabilities at unit and direct support/general support (DS/GS) maintenance levels to fault isolate/repair line replaceable units and printed circuit boards.

JUSTIFICATION:

IFTE will eliminate the proliferation of system-unique ATE at unit and DS/GS levels, and thereby decrease logistics, personnel, and training requirements. Standard ATE capabilities will support requirements for the increasing amount of electronics-intensive equipment being fielded throughout the Army. Digital technology on the battlefield is increasing dramatically, appearing on virtually every major Army system. This trend will accelerate in the future as technology allows for fewer, yet more capable systems. IFTE provides the capability to meet the full range of known and anticipated dynamic digital test requirements and continuing analog test requirements.

The FY96 funds will provide for procurement of ATE to support Avenger, All Source Analysis System (ASAS), Kiowa Warrior, Multiple Launch Rocket System (MLRS) (rocket launcher only), Paladin, Abrams, Apache Longbow, Ground Based Sensor (GBS), Joint Tactical Unmanned Aerial Vehicle (JT-UAV), Patriot, Explosive Ordnance Disposal, and Nuclear, Biological, and Chemical Reconnaissance System (FOX) (NBC-FOX).

The FY97 funds will provide for procurement of ATE to support Abrams, Avenger, ASAS, Kiowa Warrior, Apache Longbow, MLRS, Paladin, GBS, JT-UAV, NBC-FOX, and All Terrain Lifter Articulated System.

WEAPON SYSTEM COST ANALYSIS EXHIBIT (P-5)		A. Appropriation/Budget Activity Title/No. OPA 2/C-E Equipment			B. WEAPON MODEL/SERIES/POPULAR NAME Int Fam of Test Eqpmt (IFTE)		C. MANUFACTURER NAME PLANT CITY/STATE LOCATION		D. DATE F[illegible] y 1995	
Weapon System Cost Elements		IDENT CODE	FY94 Unit Cost	Qty Total Cost	FY95 Unit Cost	Qty Total Cost	FY96 Unit Cost	Qty Total Cost	FY97 Unit Cost	Qty Total Cost
Hardware	BSTF	A	2,123,830	15 *	2,061,496	10	2,413,544	6	2,654,898	
				31,857		20,615		14,481		
	CTS	A	16,423	715 *	16,003	1084	11,000	80	10,000	
				11,742		17,347		880		11,100
	EO	B			608,000	6 *	615,000	9 *		
						3,648		5,535		
Government Furnished Equipment	BSTF			1,056		2,080		913		100
Accessories	CTS			1,785		1,113		100		500
Engineering Changes/Retrofit Kits	BSTF			409		2,200		479		1,146
	CTS			1,540		68				
Acceptance Testing	BSTF			35		193				
Assembly/Shipment	CTS			392		506		50		350
Calibration Fixtures	BSTF			100						
ILS Products/Support	BSTF					687				
	CTS			776		280		200		702
	EO							308		
Interim Contractor Support	BSTF			1,016		2,458				
Depot Support	BSTF			545		175		250		500
	CTS			600						109
Fielding	BSTF			126		250		200		275
	CTS			120		200		150		200
Production Engineering	BSTF			1,153		1,200		600		600
	CTS			475		490		320		300
	EO					249		398		
Software Engineering/Support	BSTF			1,760		1,700		1,005		1,005
	CTS			22		436		287		250
Configuration Management	BSTF			391		250		193		175
Quality Assurance	BSTF			164		190		100		100
Publications/Technical Data	BSTF			85		729				
Spares/Support Equipment	BSTF			868						
	CTS			818		703				
DSESTS-TOW	BSTF					4,500				
Program Totals				57,835		62,267		26,449		20,067

* P-1 quantity has not been updated to reflect the latest projections.

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REPORTS CONTROL SYMBOL:
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DATE: February 1995

BUDGET ITEM JUSTIFICATION SHEET

APPROPRIATION/BUDGET ACTIVITY:
Other Procurement, Army 2
Communications and Electronics Equipment

P-1 ITEM NOMENCLATURE:
Base Shop Test Facility (BSTF) (K18400)

	FY94	FY95	FY96	FY97	FY98	FY99	FY00	FY01
QUANTITY	14	10	6	1	1	1	18	18
COST (IN MILLIONS)	39.6	37.2	18.2	6.6	4.6	5.6	48.5	48.5

DESCRIPTION:

The Base Shop Test Facility (BSTF) is the basic direct support/general support (DS/GS) component of the field version of the Integrated Family of Test Equipment (IFTE). It consists of a Base Shop Test Station in an S280 shelter mounted on a 5-ton truck, with another S280 shelter mounted on a second 5-ton truck for test program set storage. The BSTF is a modular system of automatic test equipment (ATE) which supports repair of line replaceable units (LRU) through printed circuit board screening and replacement. The capabilities of this reconfigurable ATE can be expanded with minimal development to meet new test requirements. The BSTF will be fielded to Missile Maintenance companies (both division and non-division), Direct Support Maintenance companies (Corps), and Aviation Intermediate Maintenance companies.

JUSTIFICATION:

The BSTF is general purpose ATE which will support multiple weapons systems. It replaces the HAWK High Frequency Console, the AN/MSM-105(V)1 Electronic Quality Assurance Test Equipment, the Land Combat Support System, and the Test Support System for the Kiowa Warrior. The BSTF supports the fix forward concept of maintenance and saves significant operations and maintenance funding by permitting owning commands to repair expensive LRUs without having to evacuate them to CONUS depots.

The FY96 funds provide for procurement of BSTFs to support Avenger; All Source Analysis System; Multiple Launch Rocket System (rocket launcher only); Paladin; Kiowa Warrior; Nuclear, Biological, and Chemical Reconnaissance System (FOX); and Ground Based Sensor.

The FY97 funds provide for procurement of a BSTF to provide ATE support for the weapons systems above at an additional site. The funds also provide for procurement of retrofit kits for a limited number of previously procured BSTFs to incorporate state-of-the-art technologies into the ATE systems and to expand capabilities of those systems to meet the changing test support requirements of the Army's weapons systems. Previously procured systems will be upgraded in lieu of pursuing a complete redesign of the system over the short to mid term because of funding reductions and uncertainties related to upward compatibility with fielded test program sets and those under development.

WEAPON SYSTEM COST ANALYSIS EXHIBIT (P-5)	A. Appropriation/Budget Activity Title/No.	B. WEAPON MODEL/SERIES/POPULAR NAME	C. MANUFACTURER NAME PLANT CITY/STATE LOCATION	D. DATE
	OPA 2/C-E Equipment	Base Shop Test Facility	Northrup Grumman; Bethpage, NY	February 1995

Weapon System Cost Elements	IDENT CODE	FY94 Unit Cost	FY94 Qty Total Cost	FY95 Unit Cost	FY95 Qty Total Cost	FY96 Unit Cost	FY96 Qty Total Cost	FY97 Unit Cost	FY97 Qty Total Cost
Hardware	A	2,123,830*	15 ** 31,857	2,061,496	10 20,615	2,413,544	6 14,481	2,654,898	1 2,655
Government Furnished Equipment			1,056		2,080		913		100
Engineering Changes/Retrofit Kits			409		2,200		479		1,146
Acceptance Testing			35		193				
Calibration Fixtures			100						
Interim Contractor Support			1,016		2,458				
Depot Support			545		175		250		500
Fielding			126		250		200		275
Production Engineering			1,153		1,200		600		600
Software Engineering/Support			1,760		1,700		1,005		1,005
Configuration Management			391		250		193		175
Quality Assurance			164		190		100		100
ILS Products/Support					687				
Publications/Technical Data			85		729				
Spares/Support Equipment			868						
DSESTS-TOW					4,500				
* 10 @ $2,154,998; 5 @ $2,061,496									
** P-1 quantity has not been updated.									
Program Totals			39,565		37,227		18,221		6,556

ITEM No. 97

BUDGET PROCUREMENT HISTORY AND PLANNING EXHIBIT (P-5A)

A. DATE: February 1995

B. APPROPRIATION/BUDGET ACTIVITY:
Other Procurement, Army 2
Communications and Electronics Equipment

C. P-1 ITEM NOMENCLATURE:
Base Shop Test Facility (BSTF) (K18400)

Cost Element/ FISCAL YR	CONTRACTOR AND LOCATION	CONTRACT METHOD & TYPE	CONTRACTED BY	AWARD DATE	DATE OF FIRST DELIVERY	QUANTITY	UNIT COST	SPECS AVAILABLE NOW	SPEC REV REQ'D	IF YES, WHEN AVAILABLE
FY94	Northrup Grumman Bethpage, NY	SS/Option	MICOM	Jan 94	Oct 95	10	2,154,998			
FY94	Northrup Grumman Bethpage, NY	SS/Option	MICOM	Dec 94	Jul 96	5	2,061,496			
FY95	Northrup Grumman Bethpage, NY	SS/Option	MICOM	Dec 94	Oct 96	10	2,061,496			
FY96	Northrup Grumman Bethpage, NY	SS/FP	MICOM	Jan 96	Aug 97	6	2,413,544	Yes		
FY97	Northrup Grumman Bethpage, NY	SS/Option	MICOM	Jan 97	Jul 98	1	2,654,898			

D. REMARKS:
The second buy for FY94 was financed with a Congressional increase to the Integrated Family of Test Equipment program for procurement of equipment for the Reserve Component. This procurement was combined with the FY95 buy, and the higher quantity purchased resulted in a lower unit price for the total buy. Unit prices for FY96 and FY97 are higher because of the smaller quantities to be procured.

REPORTS CONTROL SYMBOL:
DD-COMP (AR) 1092

UNCLASSIFIED

PRODUCTION SCHEDULE

DATE: February 1995

APPROPRIATION/BUDGET ACTIVITY:
Other Procurement, Army 2
Communications and Electronics Equipment

P-1 ITEM NOMENCLATURE:
Base Shop Test Facility (BSTF) (K18400)

FAC NO	U/M	SERV	PROGRAM QUANTITY FY 94 & Pr	FY 95	FY 96	FY 97	FY 98	FY 99	ACCEPT PRIOR TO 1 OCT 1994	BAL DUE AS OF 1 OCT 1994	FISCAL YEAR 95												FISCAL YEAR 96												FISCAL YEAR 97												LATER
											CY 94			CALENDAR YEAR 95												CALENDAR YEAR 96												CALENDAR YEAR 97												
											OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	
1	ea	A	50						38	12	1	1	1	1	1	1	1	1	1	1	1																										
1	ea	A	15							15			A**										1	1	1	1	1	1	1	1	1	2	2	2													
1	ea	A		10						10			A																					1	1	1	1	1	1	1						
1	ea	A			6					6																A																		1	4
1	ea	A				1				1																									A											1
TOTAL MONTHLY PRODUCTION									38	44	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	2	2	2	1	1	1	1	1	1	1	1	1	1	1	5
											OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	

FAC. NO.	MANUFACTURER'S NAME AND LOCATION	PRODUCTION RATES MINIMUM	1-8-5	MAXIMUM	MONTHS TO REACH MAX AFTER D DAY
1	Northrup Grumman	1	2	4 ***	
					****

	PROCUREMENT LEAD TIME ADMIN LEAD TIME PRIOR 1 OCT	AFTER 1 OCT	MANUFACTURING TIME	TOTAL AFTER 1 OCT
INITIAL	0	9	18	27
REORDER	0	3	22 *	25

REMARKS:

* Lead time for option is extended to prevent the production line closing down and unit price going up.

** Exercise of option for additional quantities to meet Reserve Component requirements.

*** Maximum production capability of 4 in current facility. Vendor has capability at additional facilities to produce maximum of 8.

**** Leadtime based on FY92 award date and production schedule.

REPORTS CONTROL SYMBOL:
DD-COMP (AR) 1092

UNCLASSIFIED

PRODUCTION SCHEDULE

DATE: February 1995

APPROPRIATION/BUDGET ACTIVITY:
Other Procurement, Army 2
Communications and Electronics Equipment

P-1 ITEM NOMENCLATURE:
Base Shop Test Facility (BSTF) (K18400)

FAC NO	U/M	SERV	PROGRAM QUANTITY FY 94 & Pr	FY 95	FY 96	FY 97	FY 98	FY 99	ACCEPT PRIOR TO 1 OCT 1997	BAL DUE AS OF 1 OCT 1997	FISCAL YEAR 98														FISCAL YEAR 99												FISCAL YEAR 00												LATER
											CY 97			CALENDAR YEAR 98											CALENDAR YEAR 99												CALENDAR YEAR 00												
											OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	
1	ea	A	50						50																																							
1	ea	A	15						15																																							
1	ea	A		10					10																																							
1	ea	A			6				2	4	1	1	1	1																																	
1	ea	A				1				1										1																											
TOTAL MONTHLY PRODUCTION									77	5	1	1	1	1	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
											OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	

FAC. NO.	MANUFACTURER'S NAME AND LOCATION	PRODUCTION RATES MINIMUM	1-8-5	MAXIMUM	MONTHS TO REACH MAX AFTER D DAY
	Northrup Grumman	1	2	4 **	

PROCUREMENT LEAD TIME	ADMIN LEAD TIME PRIOR 1 OCT	ADMIN LEAD TIME AFTER 1 OCT	MANUFACTURING TIME	TOTAL AFTER 1 OCT
INITIAL	0	9	18	27
REORDER	0	3	22 *	25

REMARKS:

* Lead time for option is extended to prevent the production line closing down and unit price going up.

** Maximum production capability of 4 in current facility. Vendor has capability at additional facilities to produce maximum of 8.

BUDGET ITEM JUSTIFICATION SHEET

APPROPRIATION/BUDGET ACTIVITY:
Other Procurement, Army 2
Communications and Electronics Equipment

P-1 ITEM NOMENCLATURE:
Contact Test Set (CTS) (K51600)

	FY94	FY95	FY96	FY97	FY98	FY99	FY00	FY01
QUANTITY	937	1084	80	1110	870	810	1750	1750
COST (IN MILLIONS)	18.3	21.1	2.0	13.5	11.1	10.5	19.9	19.9

DESCRIPTION:

The Contact Test Set (CTS) is a ruggedized, man-portable automatic tester used at all levels of maintenance primarily to identify failed line replaceable units (LRU) by augmenting built-in test/built-in test equipment in weapons systems. It diagnoses and verifies, in an on-line environment, operational status of the system under test and identifies failed LRUs for subsequent testing at a higher maintenance level. The CTS uses a lightweight computer unit (LCU), controlling instruments on circuit cards, to accomplish system level fault diagnosis. The CTS is also the Army's primary platform for electronic technical manuals/interactive electronic technical manuals and for downloading mission-critical software into weapons systems. The CTS will be fielded to organizational and direct support maintenance units which deploy maintenance support teams with the supported systems. Within aviation, CTS will be fielded to contact teams which are a part of aviation unit maintenance and aviation intermediate maintenance.

JUSTIFICATION:

The CTS is general purpose automatic test equipment which will support multiple weapons systems and mission requirements. In support of the fix forward concept of maintenance, the CTS identifies failed LRUs on the weapon system, thereby allowing the unit maintenance support team to pull only the correct, failed LRUs. This saves both time and money when compared with the previous methods of diagnosis.

The FY96 funds will procure a new version of the CTS in limited quantities for introduction into the aviation community.

The FY97 funds will procure hardware in support of Abrams, Avenger, Apache Longbow, All Terrain Lifter Articulated System, Paladin, and the aviation systems.

WEAPON SYSTEM COST ANALYSIS EXHIBIT (P-5)	A. Appropriation/Budget Activity Title/No.	B. WEAPON MODEL/SERIES/POPULAR NAME	C. MANUFACTURER NAME PLANT CITY/STATE LOCATION	D. DATE
	OPA 2/C-E Equipment	Contact Test Set (CTS)	SAIC; San Diego, CA	February 1995

Weapon System Cost Elements	IDENT CODE	FY94 Unit Cost	FY94 Qty	FY94 Total Cost	FY95 Unit Cost	FY95 Qty	FY95 Total Cost	FY96 Unit Cost	FY96 Qty	FY96 Total Cost	FY97 Unit Cost	FY97 Qty	FY97 Total Cost
Hardware	A	16,423	715 *	11,742	16,003	1084	17,347	11,000	80	880	10,000	1110	11,100
Accessories				1,785			1,113			100			500
Engineering Changes/Retrofit Kits				1,540			68						
Assembly/Shipment				392			506			50			350
ILS Products/Support				776			280			200			702
Depot Support				600									109
Fielding				120			200			150			200
Production Engineering				475			490			320			300
Software Engineering				22			436			287			250
Spares/Support Equipment				818			703						
Program Totals				18,270			21,143			1,987			13,511

* P-1 quantity has not been updated to reflect the latest projection.

ITEM No: 97

BUDGET PROCUREMENT HISTORY AND PLANNING EXHIBIT (P-5A)

A. DATE: February 1995

B. APPROPRIATION/BUDGET ACTIVITY:
Other Procurement, Army 2
Communications and Electronics Equipment

C. P-1 ITEM NOMENCLATURE:
Contact Test Set (CTS) (K51600)

Cost Element/ FISCAL YR	CONTRACTOR AND LOCATION	CONTRACT METHOD & TYPE	CONTRACTED BY	AWARD DATE	DATE OF FIRST DELIVERY	QUANTITY	UNIT COST	SPECS AVAILABLE NOW	SPEC REV REQ'D	IF YES, WHEN AVAILABLE
FY94	SAIC San Diego, CA	C/Option	CECOM	Apr 94	Jul 94	542	16,423			
FY94	SAIC San Diego, CA	C/Option	CECOM	Aug 94	Dec 94	109	16,423			
FY94	SAIC San Diego, CA	C/Option	CECOM	Sep 94	Jan 95	64	16,423			
FY95	SAIC San Diego, CA	C/Option	CECOM	Apr 95	Jul 95	1084	16,003			
FY96	TBS	C/FP	MICOM	Jan 96	Jul 96	80	11,000	Yes		
FY97	TBS	C/Option	MICOM	Jan 97	Jul 97	1110	10,000			

D. REMARKS:

Replacement system to be procured beginning in FY96 will be a nondevelopmental item, and the unit cost is expected to be lower due to technological changes in the computer industry. Quantity variations account for differences in the FY96 and FY97 unit costs.

REPORTS CONTROL SYMBOL:
DD-COMP (AR) 1092

UNCLASSIFIED

PRODUCTION SCHEDULE

DATE: February 1995

APPROPRIATION/BUDGET ACTIVITY:
Other Procurement, Army 2
Communications and Electronics Equipment

P-1 ITEM NOMENCLATURE:
Contact Test Set (CTS) (K51600)

FAC NO	U/M	SERV	PROGRAM QUANTITY FY 94 & Pr	FY 95	FY 96	FY 97	FY 98	FY 99	ACCEPT PRIOR TO 1 OCT 1994	BAL DUE AS OF 1 OCT 1994	FISCAL YEAR 95														FISCAL YEAR 96												FISCAL YEAR 97										LATER
											CY 94			CALENDAR YEAR 95												CALENDAR YEAR 96												CALENDAR YEAR 97										
											OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	
1	ea	A	2478						2063	415	100	100	100	100	15																															
1	ea	A		1084						1084							A			200	200	200	200	200	84																				
2	ea	A			80					80																A						80													
2	ea	A				1110				1110																												A						200	200	200	510
TOTAL MONTHLY PRODUCTION									2063	2689	100	100	100	100	15	0	0	0	0	200	200	200	200	200	84	0	0	0	0	0	0	80	0	0	0	0	0	0	0	0	0	0	0	200	200	200	510
											OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	

FAC. NO.	MANUFACTURER'S NAME AND LOCATION	PRODUCTION RATES MINIMUM	1-8-5	MAXIMUM	MONTHS TO REACH MAX AFTER D DAY
1	SAIC	30	300	700	
2	TBS	30	300	700	
					*

PROCUREMENT LEAD TIME	ADMIN LEAD TIME PRIOR 1 OCT	ADMIN LEAD TIME AFTER 1 OCT	MANUFACTURING TIME	TOTAL AFTER 1 OCT
INITIAL	0	6	3	9
REORDER	0	6	3	9

REMARKS:

This system is being procured by other Army customers from the same production line, thus production breaks shown do not necessarily reflect actual production breaks at the contractor facility.

* Leadtimes based on FY92 award date and production schedule.

REPORTS CONTROL SYMBOL:
DD-COMP (AR) 1092

UNCLASSIFIED

DATE: February 1995

PRODUCTION SCHEDULE

APPROPRIATION/BUDGET ACTIVITY:
Other Procurement, Army 2
Communications and Electronics Equipment

P-1 ITEM NOMENCLATURE:
Contact Test Set (CTS) (K51600)

FAC NO	U/M	SERV	PROGRAM QUANTITY FY 94 & PR	FY 95	FY 96	FY 97	FY 98	FY 99	ACCEPT PRIOR TO 1 OCT 1997	BAL DUE AS OF 1 OCT 1997	FISCAL YEAR 98 CY 97 OCT	NOV	DEC	CALENDAR YEAR 98 JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	FISCAL YEAR 99 CALENDAR YEAR 99 JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	FISCAL YEAR 00 CALENDAR YEAR 00 JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	LATER
1	ea	A	2478						2478																																						
1	ea	A		1084					1084																																						
2	ea	A			80				80																																						
2	ea	A				1110			600	510	200	200	110																																		
TOTAL MONTHLY PRODUCTION									4242	510	200	200	110	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	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	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	

FAC. NO.	MANUFACTURER'S NAME AND LOCATION	PRODUCTION RATES MINIMUM	1-8-5	MAXIMUM	MONTHS TO REACH MAX AFTER D DAY
1	SAIC	30	300	700	
2	TBS	30	300	700	
					*

PROCUREMENT LEAD TIME	ADMIN LEAD TIME PRIOR 1 OCT	AFTER 1 OCT	MANUFACTURING TIME	TOTAL AFTER 1 OCT
INITIAL	0	6	3	9
REORDER	0	6	3	9

REMARKS:

This system is being procured by other Army customers from the same production line, thus production breaks shown do not necessarily reflect production breaks at the contractor facility.

* Leadtimes based on FY92 award date and production schedule.

REPORTS CONTROL SYMBOL:
DD-COMP (AR) 1092

UNCLASSIFIED

DATE: February 1995

BUDGET ITEM JUSTIFICATION SHEET

APPROPRIATION/BUDGET ACTIVITY:
Other Procurement, Army 2
Communications and Electronics Equipment

P-1 ITEM NOMENCLATURE:
Electro-Optic Equipment (KA4100)

	FY94	FY95	FY96	FY97	FY98	FY99	FY00	FY01
QUANTITY								
COST (IN MILLIONS)		3.9	6.2					

DESCRIPTION:

The Integrated Family of Test Equipment (IFTE) Electro-Optics (EO) Program will provide state-of-the-art, technologically superior general purpose test equipment capable of performing fault isolation and failure diagnosis on the Army's major weapons systems. The added electro-optics test capability to the IFTE will support all Army EO technologies including forward looking infrared systems (thermal imaging devices), laser rangefinder/designator systems, television camera/display systems, direct view optics systems, and trackers.

JUSTIFICATION:

The EO test equipment included in this program will augment weapon system built-in test/built-in test equipment to reduce incidences of no evidence of failure in evacuated line replaceable units, replace technologically obsolete test equipment, and implement guidelines of the Army and Department of Defense standard automatic test equipment policy. It will be able to meet the on-system EO test requirements of all Army weapons systems.

The FY96 funds will procure an EO test capability to be fielded at the direct support maintenance level to reduce the no evidence of failure rates experienced by Army weapons systems. Systems targeted include Abrams (fire control), Apache, Target Acquisition Designation Sight/Pilot Night Vision Sensor, and OH-58D Mast Mounted Sight.

WEAPON SYSTEM COST ANALYSIS EXHIBIT (P-5)	A. Appropriation/Budget Activity Title/No.	B. WEAPON MODELSERIES/POPULAR NAME	C. MANUFACTURER NAME PLANT CITY/STATE LOCATION	D. DATE
	OPA 2/C-E Equipment	Electro-Optic Equipment	Pentastar; Huntsville, AL	February 1995

Weapon System Cost Elements	IDENT CODE	FY94 Unit Cost	FY94 Qty	FY94 Total Cost	FY95 Unit Cost	FY95 Qty	FY95 Total Cost	FY96 Unit Cost	FY96 Qty	FY96 Total Cost	FY97 Unit Cost	FY97 Qty	FY97 Total Cost
Low Rate Initial Production (LRIP)	B				608,000	6* 3,648		615,000	9* 5,535				
ILS Products/Support									308				
Production Engineering						249			398				
* P-1 quantities have not been updated to reflect the latest projection.													
Program Totals						3,897			6,241				

BUDGET PROCUREMENT HISTORY AND PLANNING EXHIBIT (P-5A)

A. DATE: February 1995

B. APPROPRIATION/BUDGET ACTIVITY:
Other Procurement, Army 2
Communications and Electronics Equipment

C. P-1 ITEM NOMENCLATURE:
Electro-Optic Equipment (KA4100)

Cost Element/ FISCAL YR	CONTRACTOR AND LOCATION	CONTRACT METHOD & TYPE	CONTRACTED BY	AWARD DATE	DATE OF FIRST DELIVERY	QUANTITY	UNIT COST	SPECS AVAILABLE NOW	SPEC REV REQ'D	IF YES, WHEN AVAILABLE
FY95	Pentastar Electronics, Inc. Huntsville, AL	C/Option	MICOM	May 95	Jul 96	6	608,000			
FY96	Pentastar Electronics, Inc. Huntsville, AL	C/Option	MICOM	Jan 96	Mar 97	9	615,000			

D. REMARKS:

REPORTS CONTROL SYMBOL:
DD-COMP (AR) 1092

UNCLASSIFIED

PRODUCTION SCHEDULE

DATE: February 1995

APPROPRIATION/BUDGET ACTIVITY:
Other Procurement, Army 2
Communications and Electronics Equipment

P-1 ITEM NOMENCLATURE:
Electro-Optic Equipment (KA4100)

FAC NO	U/M	SERV	PROGRAM QUANTITY FY 94 & Pr	FY 95	FY 96	FY 97	FY 98	FY 99	ACCEPT PRIOR TO 1 OCT 1994	BAL DUE AS OF 1 OCT 1994	FISCAL YEAR 95												FISCAL YEAR 96												FISCAL YEAR 97												LATER
											CY 94			CALENDAR YEAR 95											CALENDAR YEAR 96												CALENDAR YEAR 97											
											OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	
1	ea	B		6						6								A														3	3															
1	ea	B			9					9																A														3	3	3						
TOTAL MONTHLY PRODUCTION										15	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	3	3	0	0	0	0	0	0	3	3	3	0	0	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	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	

FAC. NO.	MANUFACTURER'S NAME AND LOCATION	PRODUCTION RATES MINIMUM	1-8-5	MAXIMUM	MONTHS TO REACH MAX AFTER D DAY
1	Pentastar	2	24	30	

PROCUREMENT LEAD TIME	ADMIN LEAD TIME PRIOR 1 OCT	ADMIN LEAD TIME AFTER 1 OCT	MANUFACTURING TIME	TOTAL AFTER 1 OCT
INITIAL	5	4	14	18
REORDER	1	3	14	17

REMARKS:

Production is below the most efficient rate because this is low rate initial production.

REPORTS CONTROL SYMBOL: DD-COMP (AR) 1092	UNCLASSIFIED CODE "B" ITEM DESCRIPTION	DATE: February 1995

APPROPRIATION/BUDGET ACTIVITY:
Other Procurement, Army 2
Communications & Electronic Equipment

P-1 ITEM NOMENCLATURE:
Electro-Optic Equipment (KA4100)

CURRENT DEVELOPMENT AND TEST STATUS

	SCHEDULE DATE		
	CURRENT	LAST REPORTED	REASON FOR DELAY
Contract awarded, Jan 92.	31 Jan 92	31 Jan 92	N/A

ESTIMATED DATE OF APPROVAL FOR SERVICE USE: 3d Quarter, FY95

EQUIPMENT ITEM(S) TO BE REPLACED: Not applicable; this is a new capability.

EXTENT OF IMPROVEMENT OVER ITEM(S) EQUIPMENT TO BE REPLACED: The Contact Test Set-Electro-Optics Augmentation (CTS-EOA) is a general purpose on-system automatic tester. Initial capability will support on-system testing of the Avenger and the M1A1 Abrams Tank. There is currently no on-system general purpose automatic test equipment to support these systems.

DEVELOPMENT CONTRACT INFORMATION

RDT&E FUNDING PROFILE ($ IN MILLIONS) PE 0604746A. DL10

CONTRACTOR NAME	PLANT LOCATION	COMPONENT	THRU PYR	CY	BY1	BY2	BEYOND BY'S
Pentastar Electronics, Inc.	Huntsville, AL		21.283	1.302	4.740	0	0
TOTAL RDT&E FUNDING			21.283	1.302	4.740	0	0

REMARKS:

The CTS-EOA acquisition is an engineering and manufacturing development (EMD) effort which was awarded to Pentastar Electronics Incorporated in Jan 92. The present schedule calls for the exercise of a low rate initial production option in 3d Quarter, FY95.

REPORTS CONTROL SYMBOL: DD-COMP (AR) 1092	UNCLASSIFIED BUDGET ITEM JUSTIFICATION SHEET	DATE: February 1995

APPROPRIATION/BUDGET ACTIVITY: Other Procurement, Army 2 Communications and Electronics Equipment	P-1 ITEM NOMENCLATURE: TMDE Modernization (TMOD) (BZ5270)

	FY94	FY95	FY96	FY97	FY98	FY99	FY00	FY01
QUANTITY								
COST (IN MILLIONS)	15.3	11.1	9.5	8.6	8.7	8.7	12.9	25.7

DESCRIPTION:

The objectives of the Army Test, Measurement, and Diagnostic Equipment (TMDE) Modernization (TMOD) program are to improve the materiel readiness of Army weapons systems, reduce TMDE proliferation and obsolescence, and reduce TMDE support costs. These objectives are accomplished by acquiring state-of-the-art test equipment to provide new measurement capabilities and by replacing the existing Army inventory of obsolete general purpose test equipment at the direct and general support levels. The TMOD program supports a wide variety of communications and electronics systems, and purchases test equipment that is essential to the continued support of the M1 Abrams tank; M2/3 Bradley Fighting Vehicle; Apache helicopter; Patriot; Tube-launched, Optically-tracked, Wire-guided (TOW) missile system; Tactical Fire Direction System (TACFIRE); Firefinder; Mobile Subscriber Equipment (MSE); Single-Channel Ground and Airborne Radio System (SINCGARS); and other major weapons systems. The TMOD procurements are primarily nondevelopmental items (NDI) which have a significant impact on the readiness, mobilization, and training operations of Army, Army Reserve, and National Guard units.

JUSTIFICATION:

The FY96 funding will provide for purchase of additional quantities of the AN/GTM-12 Telephone Cable Test Set which checks continuity, insulation resistance, and cross-talk and automates the current manual procedure for testing 26-pair, CX-4566/G cables associated with communications equipment; the AN/USM-459B Frequency Counter which measures frequency to 2.3 GHz and is used in support of the Tactical Satellite Communications (SATCOM) Radio Set and Terminal, Regency Net Terminal, Infrared Jammer Countermeasures Set, and various Army radios/repeaters; and the Pitot Static Test Set which will be used in testing air data and pneumatic instruments on board Apache helicopters, special operations aircraft and other Army aviation systems. Initial acquisitions of this equipment occurred in FY94 and FY95, and the additional quantities are needed to meet validated fielding requirements.

The FY97 funding will provide for the purchase of additional quantities of the Pitot Static Test Set; as well as for initial procurement of a Signal Generator which will replace and further consolidate signal generators procured in the early 1980's. This older equipment is approaching the end of its useful life and is expensive to maintain. Signal generators provide essential repair capability for both tactical and strategic communications systems, particularly those operated and maintained by the US Army Information Systems Command and the US Army Intelligence and Security Command. Other critical maintenance applications include missile and aircraft guidance and control electronics.

WEAPON SYSTEM COST ANALYSIS EXHIBIT (P-5)	A. Appropriation/Budget Activity Title/No. OPA 2/C-E Equipment	B. WEAPON MODEL/SERIES/POPULAR NAME TMDE Modernization (TMOD)	C. MANUFACTURER NAME PLANT CITY/STATE LOCATION Various	D. DATE February 1995

Weapon System Cost Elements	IDENT CODE	FY94 Unit Cost	FY94 Qty Total Cost	FY95 Unit Cost	FY95 Qty Total Cost	FY96 Unit Cost	FY96 Qty Total Cost	FY97 Unit Cost	FY97 Qty Total Cost
Hardware	A		11,352		8,278		7,580		6,438
Maintenance/Calibration Accessories			270		200		100		76
Publications/Technical Data			433		300				300
Government Engineering/Support			2,068		1,909		1,439		1,385
Interim Contractor Support					25		25		25
DBOF Surcharges			640						
Fielding									
Total Package Fielding			424		197		197		197
New Equipment Training			89		199		129		149
Program Totals			15,276		11,108		9,470		8,570

ITEM No. 98

BUDGET PROCUREMENT HISTORY AND PLANNING EXHIBIT (P-5A)

A. DATE: February 1995

B. APPROPRIATION/BUDGET ACTIVITY:
Other Procurement, Army 2
Communications and Electronics Equipment

C. P-1 ITEM NOMENCLATURE:
TMDE Modernization (TMOD) (BZ5270)

Cost Element/ FISCAL YR	CONTRACTOR AND LOCATION	CONTRACT METHOD & TYPE	CONTRACTED BY	AWARD DATE	DATE OF FIRST DELIVERY	QUANTITY	UNIT COST	SPECS AVAILABLE NOW	SPEC REV REQ'D	IF YES, WHEN AVAILABLE
FY94										
AN/GTM-12	ABC Digital Electronics Hillsdale, NJ	C/Option	MICOM	Mar 94	Sep 95	480	5968			
TS-4358	EXFO Dallas, TX	C/Option	MICOM	Mar 94	Sep 95	565	3650			
TS-4281	TTC Systems Germantown, MD	C/Option	MICOM	Mar 94	Jul 94	130	9949			
ME-523	Wayne Kerr Woburn, MA	C/FP	MICOM	Jun 94	Feb 96	364	5812 *			
AN/USM-459B	Hewlett Packard Santa Clara, CA	C/FP	MICOM	Jun 94	Feb 96	730	1264 *			
ME-523	Wayne Kerr Woburn, MA	C/Option	MICOM	Jun 94	Sep 96	100	5474			
TS-4281	TTC Systems Germantown, MD	C/Option	MICOM	Jul 94	Oct 94	80	9949			
AN/URM-213	Bird Electronics Solon, OH	C/Option	MICOM	Aug 94	Nov 94	76	1324			
ME-563	A.W. Sperry Hauppauge, NY	SS/FP	MICOM	Sep 94	May 96	1000	650			

D. REMARKS:

* Unit price reflects additional cost associated with the First Article units.

BUDGET PROCUREMENT HISTORY AND PLANNING EXHIBIT (P-5A)

A. DATE: February 1995

B. APPROPRIATION/BUDGET ACTIVITY:
Other Procurement, Army 2
Communications and Electronics Equipment

C. P-1 ITEM NOMENCLATURE:
TMDE Modernization (TMOD) (BZ5270)

Cost Element/ FISCAL YR	CONTRACTOR AND LOCATION	CONTRACT METHOD & TYPE	CONTRACTED BY	AWARD DATE	DATE OF FIRST DELIVERY	QUANTITY	UNIT COST	SPECS AVAILABLE NOW	SPEC REV REQ'D	IF YES, WHEN AVAILABLE
FY95										
AN/GTM-12	ABC Digital Electronics Hillsdale, NJ	C/Option	MICOM	Dec 94	Sep 96	480	5968			
ME-523	Wayne Kerr Woburn, MA	C/Option	MICOM	Dec 94	Nov 96	230	5474			
AN/USM-459B	Hewlett Packard Santa Clara, CA	C/Option	MICOM	Dec 94	Sep 96	690	1184			
Pitot Static Test Set	Druck, Inc. New Fairfield, CT	SS/FP	MICOM	May 95	Dec 96	100	33373	Yes		
FY96										
AN/GTM-12	ABC Digital Electronics Hillsdale, NJ	C/Option	MICOM	Dec 95	Sep 97	485	5968			
AN/USM-459B	Hewlett Packard Santa Clara, CA	C/Option	MICOM	Dec 95	Apr 97	180	1184			
Pitot Static Test Set	Druck, Inc. New Fairfield, CT	SS/Option	MICOM	Jan 96	Feb 97	134	33373			

D. REMARKS:

BUDGET PROCUREMENT HISTORY AND PLANNING EXHIBIT (P-5A)

A. DATE: February 1995

B. APPROPRIATION/BUDGET ACTIVITY:
Other Procurement, Army 2
Communications and Electronics Equipment

C. P-1 ITEM NOMENCLATURE:
TMDE Modernization (TMOD) (BZ5270)

Cost Element/ FISCAL YR	CONTRACTOR AND LOCATION	CONTRACT METHOD & TYPE	CONTRACTED BY	AWARD DATE	DATE OF FIRST DELIVERY	QUANTITY	UNIT COST	SPECS AVAILABLE NOW	SPEC REV REQ'D	IF YES, WHEN AVAILABLE
FY97										
Pitot Static Test Set	Druck, Inc. New Fairfield, CT	SS/Option	MICOM	Dec 96	May 97	130	33373			
Signal Generator	TBS	C/FP	MICOM	Dec 96	Aug 98	300	7000	No		

D. REMARKS:

REPORTS CONTROL SYMBOL:
DD-COMP (AR) 1092

UNCLASSIFIED

PRODUCTION SCHEDULE

DATE: February 1995

APPROPRIATION/BUDGET ACTIVITY:
Other Procurement, Army 2
Communications and Electronics Equipment

P-1 ITEM NOMENCLATURE:
TMDE Modernization (TMOD) (BZ5270)

FAC NO	U/M	SER V	PROGRAM QUANTITY FY 94 & Pr	FY 95	FY 96	FY 97	FY 98	FY 99	ACCEPT PRIOR TO 1 OCT 1994	BAL DUE AS OF 1 OCT 1994	FISCAL YEAR 95														FISCAL YEAR 96												FISCAL YEAR 97												LATER
											CY 94			CALENDAR YEAR 95												CALENDAR YEAR 96												CALENDAR YEAR 97												
											OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	
			AN/GTM-12																																													
1	ea	A	705							705							40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	25												
			TS-4358																																												
2	ea	A	800							800								50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50													
			TS-4281																																												
3	ea	A	516						426	90	40	40	10																																				
			AN/GRM-114B																																												
4	ea	A	1269						445	824				** 39	60	60	60	60	60	60	60	60	60	60	60	60	*** 9	56																				
			ME-523																																												
5	ea	A	464							464																	50	50	50	50	50	50	50	50	50	14													
TOTAL MONTHLY PRODUCTION									871	2883	40	40	10	39	60	60	100	150	150	150	150	150	150	150	150	150	149	196	140	140	140	140	140	75	50	14	0	0	0	0	0	0	0	0	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	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	

FAC. NO.	MANUFACTURER'S NAME AND LOCATION	PRODUCTION RATES MINIMUM	1-8-5	MAXIMUM	MONTHS TO REACH MAX AFTER D DAY
1	ABC Digital Elec	10	40	70	
2	EXFO	25	50	120	
3	TTC Systems	10	40	110	
4	IFR Systems	15	60	140	
5	Wayne Kerr	8	50	120	

	PROCUREMENT LEAD TIME			
		ADMIN LEAD TIME		
	INITIAL	PRIOR 1 OCT	AFTER 1 OCT	MANUFACTURING TIME	TOTAL AFTER 1 OCT
*FAC 1		0	5	18	23
*FAC 2		0	5	18	23
*FAC 3		0	5	4	9
FAC 4		0	4	26	30
FAC 5		1	8	20	28

REMARKS:

* Reorders.

** Other services are procuring units under this contract. Numbers shown are Army only.

*** AN/GRM-114B production schedule for Feb 96 totals 60; however, the other 51 are being procured by PM, SINCGARS.

REPORTS CONTROL SYMBOL:
DD-COMP (AR) 1092

UNCLASSIFIED

PRODUCTION SCHEDULE

DATE: February 1995

APPROPRIATION/BUDGET ACTIVITY:
Other Procurement, Army 2
Communications and Electronics Equipment

P-1 ITEM NOMENCLATURE:
TMDE Modernization (TMOD) (BZ5270)

FAC NO	U/M	SERV	PROGRAM QUANTITY FY 94 & Pr	FY 95	FY 96	FY 97	FY 98	FY 99	ACCEPT PRIOR TO 1 OCT 1994	BAL DUE AS OF 1 OCT 1994	FISCAL YEAR 95														FISCAL YEAR 96												FISCAL YEAR 97												LATER
											CY 94			CALENDAR YEAR 95											CALENDAR YEAR 96												CALENDAR YEAR 97												
											OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	
			AN/USM-459B																																												
6	ea	A	730							730																100	100	100	100	100	100	100	30														
			ME-563																																												
7	ea	A	1000							1000																			150	150	150	150	150	150	100													
			AN/URM-213																																												
8	ea	A	2085						1995	90		90																																				
TOTAL MONTHLY PRODUCTION									1995	1820	0	90	0	0	0	0	0	0	0	0	0	0	0	0	0	100	100	100	250	250	250	250	180	150	100	0	0	0	0	0	0	0	0	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	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	

FAC. NO.	MANUFACTURER'S NAME AND LOCATION,	PRODUCTION RATES MINIMUM	1-8-5	MAXIMUM	MONTHS TO REACH MAX AFTER D DAY
6	Hewlett Packard	30	100	210	
7	A.W. Sperry	80	150	360	
8	Bird Electronics	50	200	300	

INITIAL	PROCUREMENT LEAD TIME ADMIN LEAD TIME PRIOR 1 OCT	AFTER 1 OCT	MANUFAC-TURING TIME	TOTAL AFTER 1 OCT
FAC 6	1	8	20	28
FAC 7	0	11	20	31
*FAC 8	0	10	3	13

REMARKS:

* Reorders.

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P-1 SHOPPING LIST

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REPORTS CONTROL SYMBOL:
DD-COMP (AR) 1092

UNCLASSIFIED

PRODUCTION SCHEDULE

DATE: February 1995

APPROPRIATION/BUDGET ACTIVITY:
Other Procurement, Army 2
Communications and Electronics Equipment

P-1 ITEM NOMENCLATURE:
TMDE Modernization (TMOD) (BZ5270)

FAC NO	U/M	SERV	PROGRAM QUANTITY FY 94 & Pr	FY 95	FY 96	FY 97	FY 98	FY 99	ACCEPT PRIOR TO 1 OCT 1994	BAL DUE AS OF 1 OCT 1994	FISCAL YEAR 95																FISCAL YEAR 96												FISCAL YEAR 97												LATER
											CY 94			CALENDAR YEAR 95																																				
											OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	
			AN/GTM-12																																													
1	ea	A		480						480			A																						** 15	40	40	40	40	40	40	40	40	40	40	40	25	
			ME-523																																													
2	ea	A		230						230			A																							**** 36	50	50	50	44								
			AN/USM-459B																																													
3	ea	A		690						690			A																							*** 70	100	100	100	100	100	100	20						
			Pitot Static Test Set																																													
4	ea	A		100						100							A																					40	40	20									
TOTAL MONTHLY PRODUCTION										1500	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	85	140	176	230	230	210	184	60	40	40	40	40	25	
											OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	

FAC. NO.	MANUFACTURER'S NAME AND LOCATION	PRODUCTION RATES MINIMUM	1-8-5	MAXIMUM	MONTHS TO REACH MAX AFTER 0 DAY
1	ABC Digital Elec	10	40	70	
2	Wayne Kerr	8	50	120	
3	Hewlett Packard	30	100	210	
4	Druck	15	40	110	

	PROCUREMENT LEAD TIME INITIAL	ADMIN LEAD TIME PRIOR 1 OCT	ADMIN LEAD TIME AFTER 1 OCT	MANUFACTURING TIME	TOTAL AFTER 1 OCT
*FAC 1		0	2	21	23
*FAC 2		0	2	23	25
*FAC 3		0	2	21	23
FAC 4		4	7	19	26

REMARKS:

* Reorders.

** AN/GTM-12 production schedule for Sep 96 on FY94/95 contracts totals 40, the 1-8-5 production rate.

*** AN/USM-459B production schedule for Sep 96 on FY94/95 contracts totals 100, the 1-8-5 production rate.

**** ME-523 production schedule for Nov 96 on FY94/95 contracts totals 50, the 1-8-5 production rate.

REPORTS CONTROL SYMBOL:
DD-COMP (AR) 1092

UNCLASSIFIED

PRODUCTION SCHEDULE

DATE: February 1995

APPROPRIATION/BUDGET ACTIVITY:
Other Procurement, Army 2
Communications and Electronics Equipment

P-1 ITEM NOMENCLATURE:
TMDE Modernization (TMOD) (BZ5270)

FAC NO	U/M	SERV	PROGRAM QUANTITY FY 94 & Pr	FY 95	FY 96	FY 97	FY 98	FY 99	ACCEPT PRIOR TO 1 OCT 1994	BAL DUE AS OF 1 OCT 1994	FISCAL YEAR 95														FISCAL YEAR 96												FISCAL YEAR 97												LATER
											CY 94			CALENDAR YEAR 95												CALENDAR YEAR 96												CALENDAR YEAR 97												
											OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	
			AN/GTM-12																																													
1	ea	A		485						485															A																							470
			AN/USM-459B																																													
2	ea	A		180						180															A																							
			Pitot Static Test Set																																													
3	ea	A		134						134															A																							
			Pitot Static Test Set																																													
3	ea	A			130					130																																						
			Signal Generator																																													
4	ea	A			300					300																																						
TOTAL MONTHLY PRODUCTION										1229	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	20	40	120	140	40	40	40	19	770
											OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	

FAC. NO.	MANUFACTURER'S NAME AND LOCATION	PRODUCTION RATES MINIMUM	1-8-5	MAXIMUM	MONTHS TO REACH MAX AFTER D DAY
1	ABC Digital Elec	10	40	70	
2	Hewlett Packard	30	100	210	
3	Druck	15	40	110	
4	TBS	20	60	140	

	PROCUREMENT LEAD TIME INITIAL	ADMIN LEAD TIME PRIOR 1 OCT	ADMIN LEAD TIME AFTER 1 OCT	MANUFACTURING TIME	TOTAL AFTER 1 OCT
*	FAC 1	0	2	21	23
*	FAC 2	0	2	16	18
*	FAC 3	0	3	13	16
	FAC 4	7	2	20	22

REMARKS:

* Reorders.

** AN/GTM-12 production schedule for Sep 97 on FY95/96 contracts totals 40, the 1-8-5 production rate.

*** AN/USM-459B production schedule for Apr 97 on FY95/96 contracts totals 100, the 1-8-5 production rate.

**** Pitot Static Test Set production schedule for Feb 97 on FY95/96 contracts totals 40, the 1-8-5 production rate.

REPORTS CONTROL SYMBOL:
DD-COMP (AR) 1092

UNCLASSIFIED

PRODUCTION SCHEDULE

DATE: February 1995

APPROPRIATION/BUDGET ACTIVITY:
Other Procurement, Army 2
Communications and Electronics Equipment

P-1 ITEM NOMENCLATURE:
TMDE Modernization (TMOD) (BZ5270)

FAC NO	U/M	SER V	PROGRAM QUANTITY FY 94 & Pr	FY 95	FY 96	FY 97	FY 98	FY 99	ACCEPT PRIOR TO 1 OCT 1997	BAL DUE AS OF 1 OCT 1997	FISCAL YEAR 98														FISCAL YEAR 99												FISCAL YEAR 00												LATER
											CY 97			CALENDAR YEAR 98											CALENDAR YEAR 99												CALENDAR YEAR 00												
											OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	
			AN/GTM-12																																													
1	ea	A			485				15	470	40	40	40	40	40	40	40	40	40	40	40	30																											
			Signal Generator																																													
4	ea	A			300					300											60	60	60	60	60																								
TOTAL MONTHLY PRODUCTION									15	770	40	40	40	40	40	40	40	40	40	40	100	90	60	60	60	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	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	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	

FAC. NO.	MANUFACTURER'S NAME AND LOCATION	PRODUCTION RATES MINIMUM	1-8-5	MAXIMUM	MONTHS TO REACH MAX AFTER D DAY
1	ABC Digital Elec	10	40	70	
4	TBS	20	60	140	

PROCUREMENT LEAD TIME	ADMIN LEAD TIME		MANUFACTURING TIME	TOTAL AFTER 1 OCT
	PRIOR 1 OCT	AFTER 1 OCT		
INITIAL				
* FAC 1	0	2	21	23
FAC 4	7	2	20	22

REMARKS:

* Reorders.

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P-1 SHOPPING LIST

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Reports Control Symbol DD-COMP (AR) 1092	BUDGET ITEM JUSTIFICATION SHEET	February 1995

Appropriation/Budget Activity : Other Procurement, Army Activity 2, Communications and Electronics Equipment	P-1 Item Nomenclature: Initial Spares - PEO CCS (BA9101)

	FY 94	FY 95	FY 96	FY 97	FY 98	FY 99	FY 00	FY 01
QUANTITY								
COST (MILLIONS)	11.0	0	0	0	0	0	0	0

DESCRIPTION: Provides for procurement of spares to support initial fielding of new or modified end items.

JUSTIFICATION: The funds in this account procure depot level reparable (DLRs) secondary items from the Supply Management, Army (SMA) revolving fund (formerly Army Stock Fund). To provide initial support, funds are normally required in the same year that end items are fielded. Initial spares breakout:

	FY 94	FY 95	FY 96	FY 97
ASAS-MODULES (TIARA)	4.8	0.0	0.0	0.0
FAAD C2	1.5	0.0	0.0	0.0
ADV FIELD ARTILLERY TACT DATA SYS (AFATDS)	0.9	0.0	0.0	0.0
FA C2 SYST PEO CCS	1.3	0.0	0.0	0.0
OPTADS	2.5	0.0	0.0	0.0
TOTAL	11.0	0.0	0.0	0.0

Reports Control Symbol DD-COMP (AR) 1092	BUDGET ITEM JUSTIFICATION SHEET	February 1995

Appropriation/Budget Activity : Other Procurement, Army Activity 2, Communications and Electronics Equipment	P-1 Item Nomenclature: Initial Spares - PEO COMM (BA9102)

	FY 94	FY 95	FY 96	FY 97	FY 98	FY 99	FY 00	FY 01
QUANTITY								
COST (MILLIONS)	28.0	0	0	0	0	0	0	0

DESCRIPTION: Provides for procurement of spares to support initial fielding of new or modified end items.

JUSTIFICATION: The funds in this account procure depot level reparable (DLRs) secondary items from the Supply Management, Army (SMA) revolving fund (formerly Army Stock Fund). To provide initial support, funds are normally required in the same year that end items are fielded. Initial spares breakout:

	FY 94	FY 95	FY 96	FY 97
THTR TAC AREA COMMO SYS	4.6	0.0	0.0	0.0
DEFENSE SATELLITE COMMUNICATIONS	8.9	0.0	0.0	0.0
NAVSTAR GLOBAL POSITIONING SYSTEM	3.3	0.0	0.0	0.0
ARMY DATA DISTRIBUTION SYSTEM (ADDS)	3.4	0.0	0.0	0.0
LT SPEC DIV INTERIM SENSOR (LSDIS)	0.7	0.0	0.0	0.0
TRI-TAC	4.0	0.0	0.0	0.0
TCSATCOM PEO	3.1	0.0	0.0	0.0
TOTAL	28.0	0.0	0.0	0.0

Reports Control Symbol DD-COMP (AR) 1092	BUDGET ITEM JUSTIFICATION SHEET	February 1995

Appropriation/Budget Activity : Other Procurement, Army Activity 2, Communications and Electronics Equipment	P-1 Item Nomenclature: Initial Spares - PEO IEW (BA9103)

	FY 94	FY 95	FY 96	FY 97	FY 98	FY 99	FY 00	FY 01
QUANTITY								
COST (MILLIONS)	19.1	0	0	0	0	0	0	0

DESCRIPTION: Provides for procurement of spares to support initial fielding of new or modified end items.

JUSTIFICATION: The funds in this account procure depot level reparable (DLRs) secondary items from the Supply Management, Army (SMA) revolving fund (formerly Army Stock Fund). To provide initial support, funds are normally required in the same year that end items are fielded. Initial spares breakout:

	FY 94	FY 95	FY 96	FY 97
JOINT STARS (ARMY) (TIARA)	6.2	0.0	0.0	0.0
NIGHT VISION DEVICES	5.6	0.0	0.0	0.0
FIREFINDER	1.2	0.0	0.0	0.0
SIGNAL WARFARE EQUIP	6.0	0.0	0.0	0.0
PM EW/RSTA PEO IEW	0.1	0.0	0.0	0.0
TOTAL	19.1	0.0	0.0	0.0

Reports Control Symbol DD-COMP (AR) 1092	BUDGET ITEM JUSTIFICATION SHEET	February 1995

Appropriation/Budget Activity : Other Procurement, Army Activity 2, Communications and Electronics Equipment	P-1 Item Nomenclature: Initial Spares - PEO STAMIS(BA9104)

	FY 94	FY 95	FY 96	FY 97	FY 98	FY 99	FY 00	FY 01
QUANTITY								
COST (MILLIONS)	.7	0	0	0	0	0	0	0

DESCRIPTION: Provides for procurement of spares to support initial fielding of new or modified end items.

JUSTIFICATION: The funds in this account procure depot level reparable (DLRs) secondary items from the Supply Management, Army (SMA) revolving fund (formerly Army Stock Fund). To provide initial support, funds are normally required in the same year that end items are fielded. Initial spares breakout:

	FY 94	FY 95	FY 96	FY 97
CORPS/THEATER ADP SVC CTR (CTASC)	0.6	0.0	0.0	0.0
STAMIS TACTICAL COMPUTERS	0.1	0.0	0.0	0.0
TOTAL	0.7	0.0	0.0	0.0

Reports Control Symbol DD-COMP (AR) 1092	BUDGET ITEM JUSTIFICATION SHEET	February 1995

Appropriation/Budget Activity : Other Procurement, Army Activity 2, Communications and Electronics Equipment	P-1 Item Nomenclature: Initial Spares - NON PEO (BA9106)

	FY 94	FY 95	FY 96	FY 97	FY 98	FY 99	FY 00	FY 01
QUANTITY								
COST (MILLIONS)	13.6	0	0	0	0	0	0	0

DESCRIPTION: Provides for procurement of spares to support initial fielding of new or modified end items.

JUSTIFICATION: The funds in this account procure depot level reparable (DLRs) secondary items from the Supply Management, Army (SMA) revolving fund (formerly Army Stock Fund). To provide initial support, funds are normally required in the same year that end items are fielded. Initial spares breakout:

	FY 94	FY 95	FY 96	FY 97
INTEGRATED FAMILY OF TEST EQUIP	6.1	0.0	0.0	0.0
TACCIMS	0.1	0.0	0.0	0.0
ARTILLERY ACCURACY EQUIPMENT	0.5	0.0	0.0	0.0
TERRESTRIAL TRANSMISSION EUR	0.1	0.0	0.0	0.0
TERRESTRIAL TRANSMISSION PAC	0.1	0.0	0.0	0.0
WW TECH CON IMP PROG (WWTCIP)	0.1	0.0	0.0	0.0
TMDE MODERNIZATION (TMOD)	0.3	0.0	0.0	0.0
C-E CONTINGENCY/FIELDING EQUIP	2.8	0.0	0.0	0.0
LOCAL AREA NETWORK (LAN)	0.2	0.0	0.0	0.0
ARMY WIDE IS SPT-MCM	0.1	0.0	0.0	0.0
STRATEGIC C2 FACILITIES	0.3	0.0	0.0	0.0
DEFENSE DATA NETWORK (DDN)	0.2	0.0	0.0	0.0
MACOM TELE-MOD	1.7	0.0	0.0	0.0

Reports Control Symbol DD-COMP (AR) 1092	BUDGET ITEM JUSTIFICATION SHEET					February 1995		
Appropriation/Budget Activity : Other Procurement, Army Activity 2, Communications and Electronics Equipment				P-1 Item Nomenclature: Initial Spares - NON PEO (BA9106)				
	FY 94	FY 95	FY 96	FY 97	FY 98	FY 99	FY 00	FY 01
QUANTITY								
COST (MILLIONS)								

	FY 94	FY 95	FY 96	FY 97
PMS ARMY	0.1	0.0	0.0	0.0
TROJAN (TIARA)	0.9	0.0	0.0	0.0
TOTAL	13.6	0.0	0.0	0.0

F REPORTS CONTROL SYMBOL DD-COMP(AR) 1092	BUDGET ITEM JUSTIFICATION SHEET	DATE February 1995
APPROPRIATION / BUDGET ACTIVITY Other Procurement, Army 2 - Communications and Electronics Equipment	P-1 ITEM NOMENCLATURE INSTALLATION C4 UPGRADE (ICU) (BB1000)	

	FY 94	FY 95	FY 96	FY 97	FY 98	FY 99	FY 00	FY 01
QUANTITY								
COST (In Millions)	$ 5.2	$ 2.3	$ 1.8	$ 1.2	$ 0.0	$ 0.0	$ 0.0	$ 0.0

DESCRIPTION: This budget line supports Information Mission Area (IMA) acquisitions necessary to implement and support Base Realignment and Closure (BRAC) actions and the National Capital Region (NCR) realignment effort. These actions have resulted in significant impacts to the Army's information systems infrastructure at affected locations, necessitating upgrades in IMA capacity/services to accommodate shifts in population supported and concentrations of organizations at gaining BRAC sites. Funding has been programmed to assure IMA upgrades coincide with BRAC schedules.

JUSTIFICATION: Fort Belvoir is undergoing a major realignment and growth as a result of BRAC and the development of the Engineer Proving Ground (EPG) under the National Capital Region (NCR) realignment effort. In addition to BRAC construction on main post, three million square feet of administrative space is being planned for construction at the EPG to house Army activities that currently occupy leased office space in the NCR. It is anticipated that the population of Fort Belvoir will grow to approximately 30 thousand. The first NCR tenants began moving to Fort Belvoir in December 1993. As the population more than doubles, the existing base operations systems and equipment for Fort Belvoir and the EPG must be upgraded to accommodate the additional workload.

FY 96 and FY 97 funding will provide E-mail system upgrades which will allow users to access installation/organization E-mail services and provide onward distribution for automatic digital network (AUTODIN) message traffic. The E-mail system will provide a standard GOSIP compliant x.400 and x.500 E-mail environment which can be readily migrated into the Defense Message System (DMS). E-mail system implementation will begin in FY 96, providing initial infrastructure for mail hosts, software, and training, while FY 97 funds will be used for fielding of additional Ft. Belvoir customers. FY 97 funds will be used to replace existing proprietary computers in the post Data Processing Installation (DPI) in building 193 with Open System Environment (OSE) computers. The implementation of OSE systems will allow migration of legacy applications from the proprietary system to open system applications. The Multiuser System will also support tenant user requirements for desktop publishing, records management, forms management, and graphic systems utilizing the Ft. Belvoir Installation Transport Network (ITN). BRAC realignments of this nature are expected to generate significant long-term savings in operation costs associated with the Army's support structure. In so doing, more of the increasingly scarce OMA resources can be directed toward warfighting, vice infrastructure, requirements. More specifically, these funds will enable Fort Belvoir tenants and organizations to rapidly mobilize for war, and enable Fort Belvoir to function as a power projection base for warfighting forces.

(ID CODE A)

WEAPON SYSTEM COST ANALYSIS EXHIBIT (P-5)	A. APPROPRIATION/TITLE/NO. OPA 2 - Communications and Electronics Equipment				B. WEAPON MODEL/SERIES/POPULAR NAME INSTALLATION C4 UPGRADE (ICU) (BB1000)						C. MANUF. Numerous See 5a.	D. DATE February 1995	
WEAPON SYSTEM COST ELEMENTS	IDENT CODE	FY 94 Unit Cost	FY 94 Qty	FY 94 Total Cost	FY 95 Unit Cost	FY 95 Qty	FY 95 Total Cost	FY 96 Unit Cost	FY 96 Qty	FY 96 Total Cost	FY 97 Unit Cost	FY 97 Qty	FY 97 Total Cost
Fort Belvoir:													
Installation Transport Network	A	2,914	1	2,914									
Premise Distribution	A	VAR	VAR	867	VAR	VAR	1,933						
Non-Tac Radio System Subscriber Equip	A	VAR	VAR	18									
Engineering	A	VAR	VAR	120	VAR	VAR	80						
Voice Messaging System	A	82	1	82									
Message System	A				245	1	245						
E-Mail System Upgrades	A							VAR	VAR	1,762	VAR	VAR	1,018
Multiuser System	A										VAR	VAR	138
Ft. Carson Information Systems Facility (ISF) Upgrade	A	1,200	1	1,200									
TOTAL				5,201			2,258			1,762			1,156

BUDGET PROCUREMENT HISTORY AND PLANNING EXHIBIT (P - 5A)

A. DATE: February 1995

APPROPRIATION / BUDGET ACTIVITY: Other Procurement, Army 2 - Communications and Electronics Equipment

C. P-1 ITEM NOMENCLATURE: INSTALLATION C4 UPGRADE (ICU) (BB1000)

LINE ITEM / FISCAL YEAR	CONTRACTOR	CONTRACT METHOD	CONTRACTED BY	AWARD DATE	DATE OF FIRST DELIVERY	QTY	UNIT COST	SPEC AVAIL NOW	SPEC REVIS REQ'D	IF YES, WHEN AVAIL
Fort Belvoir:										
Installation Transport Network										
FY 94	HARRIS CORP	C/FP/OPTION	DSS-W	JAN 94	FEB 94	1	2,914			
Premise Distribution										
FY 94	HARRIS CORP	C/FP/OPTION	DSS-W	FEB 94	MAY 94	VAR*#	VAR*#			
FY 95	HARRIS CORP	C/FP/OPTION	DSS-W	FEB 95	MAY 95	VAR*#	VAR*#	YES	NO	
Non-Tac Subscriber Equip										
FY 94	MOTOROLA	SS/FP	FT. BELVOIR	APR 94	MAY 94	VAR#	VAR#			
Engineering										
FY 94	SAIC	C/FP/OPTION	ISEC-CONUS	DEC 93	FEB 94	VAR#	VAR#			
FY 95	SAIC	C/FP/OPTION	ISEC-CONUS	DEC 94	FEB 95	VAR#	VAR#			
Voice Messaging System										
FY 94	HARRIS CORP	C/FP	DSS-W	APR 94	AUG 94	1	82			
Message System										
FY 95	HARRIS CORP	C/FP/OPTION	DSS-W	MAR 95	MAY 95	1	245	YES	NO	
E-Mail System Upgrades										
FY 96	HARRIS CORP	C/FP/OPTION	DSS-W	NOV 95	JAN 96	VAR *	VAR *	YES	NO	
FY 97	HARRIS CORP	C/FP/OPTION	DSS-W	NOV 96	JAN 97	VAR *	VAR *	YES	NO	

D. Remarks:

DSS-W = Defense Supply Service - Washington
ISEC = Information Systems Engineering Command
SAIC = Science Applications International Corp, Sierra Vista, AZ
HARRIS CORP, Melbourne, FL
MOTOROLA, Hanover, MD
PRC = Planning Research Corp, Reston, VA

* Supports multiple buildings
\# Site specific causing various quantities and costs.

BUDGET PROCUREMENT HISTORY AND PLANNING EXHIBIT (P - 5A)

A. DATE: February 1995

B. APPROPRIATION / BUDGET ACTIVITY
Other Procurement, Army 2 - Communications and Electronics Equipment

C. P-1 ITEM NOMENCLATURE
INSTALLATION C4 UPGRADE (ICU) (BB1000)

LINE ITEM / FISCAL YEAR	CONTRACTOR	CONTRACT METHOD	CONTRACTED BY	AWARD DATE	DATE OF FIRST DELIVERY	QTY	UNIT COST	SPEC AVAIL NOW	SPEC REVIS REQ'D	IF YES, WHEN AVAIL
Multiuser System FY 97	TBS	C/FP/OPTION	USAISC	JAN 97	APR 97	1	138	YES	NO	
Ft. Carson Information Systems Facility (ISF) Upgrade FY 94	CORPS OF ENGINEERS	MIPR	USAISC	JUN 94	VAR #	VAR #	VAR #			

D. Remarks:

USAISC = US Army Information Systems Command

Many small IMA purchases through many vendors.

REPORTS CONTROL SYMBOL
DD-COMP(AR) 1092

BUDGET ITEM JUSTIFICATION SHEET

DATE FEBRUARY 1995

APPROPRIATION /BUDGET ACTIVITY
er Procurement: Army 2
mmunications and Electronics Equipment

P-1 ITEM NOMENCLATURE
Production Base Support, (C - E)
(BF5400)

	FY94	FY95	FY96	FY97	FY98	FY99	FY00	FY01
QUANTITY								
COST (IN MILLIONS)	1.8	12.8	0.7	0.7	0.4	0.4	0.4	0.4

DESCRIPTION: Provides funding to establish, modernize, expand or replace Army-owned industrial facilities used in production and production testing of communication and electronic materiel. Also provides capability to surge production of Communications & Electronics items such as night vision equipment. It also provides a working environment with improved health and safety factors by consolidating industrial operations.

JUSTIFICATION: FY96 and FY97 funding is required for replacement of equipment and instrumentation used in production testing at Electronic Proving Ground (EPG) and for contractor facilities involved in production of common modules which are used in night vision devices.

A summary project listing is attached.

SUMMARY LISTING OF PRODUCTION SUPPORT AND FACILITIES PROJECTS
(Provision of Industrial Facilities)
APPROPRIATION: AIRCRAFT PROCUREMENT ARMY
TITLE: INDUSTRIAL FACILITIES DATE: FEBRUARY 1995

PROJECT NO. NUMBER	TYPE NAME/LOCATION	FY94 (DOLLARS IN MILLIONS)	FY95	FY96	FY97
19X8173	Annual support for Stratford Army Engine Plant	0.971	1.104	0.000	0.000
Funds provide for emergency equipment & real property repairs.					
19X8181	PSR, Bell Helicopter Textron Industrial Plant			0.717	0.240
Funds provide for rebuilds, upgrades and equipment rehabilitation of government owned equipment.					
19X8189	PSR, General Electric Blisk Facilities			0.518	0.568
Funds provide for rebuilds, upgrades and equipment rehabilitation of government equipment used in production of T700 engines. Equipment must be maintained to meet Black Hawk & Apache engine production schedules.					
O9X5072	PSR - Ft. Rucker Test Facilities	0.749	0.839	0.707	0.511
Funds provide rehabilitation, replacement of equipment and instrumentation used in production testing of aviation systems. Equipment is used in acceptance testing of the Apache, Army Helicopter Improvement Program (AHIP), and Black Hawk Aircraft and associated equipment.					
19X0016	Value Engineering, Program Support	0.379	0.649	0.650	0.630
19X0017	Value Engineering Training	0.150	0.200	0.180	0.170
69X0025	Value Engineering Support	0.150	0.052	0.054	0.048
PRODUCTION BASE SUPPORT TOTAL		2.399	2.844	2.826	2.167

P-1 Shopping List Item No.: ~~96~~ 106