

# DEPARTMENT OF THE ARMY

## Procurement Programs



Committee Staff Procurement Backup Book  
Fiscal Year (FY) 2010 Budget Estimates

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

Budget Activity 2

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APPROPRIATION

\*\*\* UNCLASSIFIED \*\*\*  
DEPARTMENT OF THE ARMY

EXHIBIT P-1

FY 2010 PROCUREMENT PROGRAM (WORKSETS INCLUDED)  
President's Budget 2010

			FY2008	FY2009	FY2010 Base	FY2010 OCO	FY2010 Total
Communications and Electronics OPA2							
<i>COMM - JOINT COMMUNICATIONS</i>							
21	COMBAT IDENTIFICATION PROGRAM (BA0510)		4,157				
22	JOINT COMBAT IDENTIFICATION MARKING SYSTEM (BA0521)	A		12,872	11,868		11,868
23	WIN-T - GROUND FORCES TACTICAL NETWORK (BW7100)	A		655,940	544,202	13,500	557,702
24	JCSE EQUIPMENT (USREDCOM) (BB5777)		4,036	4,102	4,868		4,868
	<i>SUB-ACTIVITY TOTAL</i>		<u>8,193</u>	<u>672,914</u>	<u>560,938</u>	<u>13,500</u>	<u>574,438</u>
<i>COMM - SATELLITE COMMUNICATIONS</i>							
25	DEFENSE ENTERPRISE WIDEBAND SATCOM SYSTEMS (SPACE) (BB8500)		133,937	69,680	145,108		145,108
26	SHF TERM (BA9350)		34,901	4,285	90,918		90,918
27	SAT TERM, EMUT (SPACE) (K77200)		13,179	805	653		653
28	NAVSTAR GLOBAL POSITIONING SYSTEM (SPACE) (K47800)	B	128,748	100,631	72,735	53,486	126,221
29	SMART-T (SPACE) (BC4002)		51,453	85,034	61,116	26,000	87,116
30	SCAMP (SPACE) (BC4003)		1,291	990	1,834		1,834
31	GLOBAL BRDCST SVC - GBS (BC4120)		35,119	37,681	6,849		6,849
32	MOD OF IN-SVC EQUIP (TAC SAT) (BB8417)		46,511	6,057	2,862	23,900	26,762
	<i>SUB-ACTIVITY TOTAL</i>		<u>445,139</u>	<u>305,163</u>	<u>382,075</u>	<u>103,386</u>	<u>485,461</u>
<i>COMM - C3 SYSTEM</i>							
33	ARMY GLOBAL CMD & CONTROL SYS (AGCCS) (BA8250)	A	30,803	31,420	22,996		22,996
	<i>SUB-ACTIVITY TOTAL</i>		<u>30,803</u>	<u>31,420</u>	<u>22,996</u>		<u>22,996</u>
<i>COMM - COMBAT COMMUNICATIONS</i>							
34	ARMY DATA DISTRIBUTION SYSTEM (DATA RADIO) (BU1400)	B	31,042	35,971	1,705	239	1,944
35	Joint Tactical Radio System (B90000)	A			90,204		90,204
36	Radio Terminal Set, MIDS LVT(2) (B22603)	A	31,770	8,545	8,549		8,549

			FY2008	FY2009	FY2010 Base	FY2010 OCO	FY2010 Total
37	SINGGARS FAMILY (BW0006)	A	502,369	187,031	6,812	128,180	134,992
38	AMC CRITICAL ITEMS - OPA2 (B19920)	A	7,946	4,061		100,000	100,000
39	Multi-Purpose Informations Operations Sysems (BC3000)		8,595	7,778	6,164		6,164
40	BRIDGE TO FUTURE NETWORKS (BB1500)	B	1,599,926				
41	COMMS-ELEC EQUIP FIELDING (BA5210)		14,436	14,110			
42	SPIDER APLA Remote Control Unit (B55501)	A		17,947	21,820		21,820
43	IMS Remote Control Unit (B55503)	B			9,256		9,256
44	SOLDIER ENHANCEMENT PROGRAM COMM/ELECTRONICS (BA5300)		10,123	7,523	4,646		4,646
45	COMBAT SURVIVOR EVADER LOCATOR (CSEL) (B03200)	B	122,452	16,107	2,367		2,367
46	RADIO, IMPROVED HF (COTS) FAMILY (BU8100)	A	357,336	223,848	6,555	11,286	17,841
47	MEDICAL COMM FOR CBT CASUALTY CARE (MC4) (MA8046)		91,016	50,277	18,583	18	18,601
	<i>SUB-ACTIVITY TOTAL</i>		<u>2,777,011</u>	<u>573,198</u>	<u>176,661</u>	<u>239,723</u>	<u>416,384</u>
<i>COMM - INTELLIGENCE COMM</i>							
48	CI AUTOMATION ARCHITECTURE (MIP) (BK5284)	A	8,279	1,496	1,414		1,414
	<i>SUB-ACTIVITY TOTAL</i>		<u>8,279</u>	<u>1,496</u>	<u>1,414</u>		<u>1,414</u>
<i>COMM - INFORMATION SECURITY</i>							
49	TSEC - ARMY KEY MGT SYS (AKMS) (BA1201)		95,645	34,811	29,525		29,525
50	INFORMATION SYSTEM SECURITY PROGRAM-ISSP (TA0600)	A	215,500	187,872	33,189	32,095	65,284
	<i>SUB-ACTIVITY TOTAL</i>		<u>311,145</u>	<u>222,683</u>	<u>62,714</u>	<u>32,095</u>	<u>94,809</u>
<i>COMM - LONG HAUL COMMUNICATIONS</i>							
51	TERRESTRIAL TRANSMISSION (BU1900)		9,524	9,140	1,890		1,890
52	BASE SUPPORT COMMUNICATIONS (BU4160)		26,615	35,016	25,525		25,525
53	ELECTROMAG COMP PROG (EMCP) (BD3100)		503				
54	WW TECH CON IMP PROG (WWTCIP) (BU3610)		48,037	327,051	31,256		31,256
	<i>SUB-ACTIVITY TOTAL</i>		<u>84,679</u>	<u>371,207</u>	<u>58,671</u>		<u>58,671</u>
<i>COMM - BASE COMMUNICATIONS</i>							
55	INFORMATION SYSTEMS (BB8650)		156,080	373,311	216,057	330,343	546,400
56	DEFENSE MESSAGE SYSTEM (DMS) (BU3770)		6,552	6,706	6,203		6,203

			FY2008	FY2009	FY2010 Base	FY2010 OCO	FY2010 Total
57	Installation Info Infrastructure Mod Program(I3MP) (BU0500)	A	234,020	232,648	147,111	227,731	374,842
58	PENTAGON INFORMATION MGT AND TELECOM (BQ0100)		33,928	33,219	39,906		39,906
	<i>SUB-ACTIVITY TOTAL</i>		<u>430,580</u>	<u>645,884</u>	<u>409,277</u>	<u>558,074</u>	<u>967,351</u>
<i>ELECT EQUIP - TACT INT REL ACT (TIARA)</i>							
61	ALL SOURCE ANALYSIS SYS (ASAS) (MIP) (KA4400)	B	147,149	79,361			
62	JTT/CIBS-M (MIP) (V29600)	B	7,480	11,343	3,279	1,660	4,939
63	PROPHET GROUND (MIP) (BZ7326)		122,353	116,249	64,498		64,498
64	Tactical Unmanned Aerial Sys (TUAS)MIP (B00301)	A	801,280	483,852			
65	SMALL UNMANNED AERIAL SYSTEM (SUAS) (B00303)	A	76,631	57,481			
66	DIGITAL TOPOGRAPHIC SPT SYS (DTSS) (MIP) (KA2550)	B	53,750	35,723		265	265
67	DRUG INTERDICTION PROGRAM (DIP) (TIARA) (BU4050)		8,228				
68	TACTICAL EXPLOITATION SYSTEM (MIP) (BZ7317)		21,070				
69	DCGS-A (MIP) (BZ7316)		224,271	177,448	85,354	167,100	252,454
70	JOINT TACTICAL GROUND STATION (JTAGS) (BZ8401)	A			6,703		6,703
71	TROJAN (MIP) (BA0326)	B	13,327	35,078	26,659		26,659
72	MOD OF IN-SVC EQUIP (INTEL SPT) (MIP) (BZ9750)		234,335	2,416	7,021		7,021
73	CI HUMINT AUTO REPRTING AND COLL(CHARCS) (MIP) (BK5275)		28,543	37,521	4,509	34,208	38,717
74	SEQUOYAH FOREIGN LANGUAGE TRANSLATION SYSTEM (B88	A	11,807	26,026	6,420		6,420
75	ITEMS LESS THAN \$5.0M (MIP) (BK5278)		44,991	30,640	17,053	5,064	22,117
	<i>SUB-ACTIVITY TOTAL</i>		<u>1,795,215</u>	<u>1,093,138</u>	<u>221,496</u>	<u>208,297</u>	<u>429,793</u>
<i>ELECT EQUIP - ELECTRONIC WARFARE (EW)</i>							
76	LIGHTWEIGHT COUNTER MORTAR RADAR (B05201)	A	58,512	80,760	31,661	58,590	90,251
77	WARLOCK (VA8000)		135,331	354,500		164,435	164,435
78	COUNTERINTELLIGENCE/SECURITY COUNTERMEASURES (BL5283)		149,970	170,789	1,284	126,030	127,314
79	CI MODERNIZATION (MIP) (BL5285)	A	1,269	1,293	1,221		1,221
	<i>SUB-ACTIVITY TOTAL</i>		<u>345,082</u>	<u>607,342</u>	<u>34,166</u>	<u>349,055</u>	<u>383,221</u>
<i>ELECT EQUIP - TACTICAL SURV. (TAC SURV)</i>							
80	SENTINEL MODS (WK5057)		20,744	33,044	25,863		25,863

			FY2008	FY2009	FY2010 Base	FY2010 OCO	FY2010 Total
81	SENSE THROUGH THE WALL (STTW) (KA2300)	A			25,352		25,352
82	NIGHT VISION DEVICES (KA3500)	A	743,011	570,312	366,820	93,183	460,003
83	LONG RANGE ADVANCED SCOUT SURVEILLANCE SYSTEM (K38300)		150,911	204,162	133,836		133,836
84	NIGHT VISION, THERMAL WPN SIGHT (K22900)	B	379,882	435,637	313,237	25,000	338,237
85	SMALL TACTICAL OPTICAL RIFLE MOUNTED MLRF (K35110)				9,179	15,000	24,179
86	RADIATION MONITORING SYSTEMS (WC5200)		1,432	1,884	2,198		2,198
87	COUNTER-ROCKET, ARTILLERY & MORTAR (C-RAM) (BZ0526)		225,772	157,700		150,400	150,400
88	BASE EXPEDITIONARY TARGETING AND SURV SYS (BZ6501)	A	464,045	280,500			
89	ARTILLERY ACCURACY EQUIP (AD3200)		6,606	4,946	5,838		5,838
90	MOD OF IN-SVC EQUIP (MMS) (AD3255)			798			
91	ENHANCED PORTABLE INDUCTIVE ARTILLERY FUZE SETTER (AD3260)		7,601	2,571	1,178	1,900	3,078
92	PROFILER (K27900)		82,769	10,590	4,766	6,071	10,837
93	MOD OF IN-SVC EQUIP (Firefinder Radars) (BZ7325)		63,496	27,347	2,801		2,801
94	FORCE XXI BATTLE CMD BRIGADE & BELOW (FBCB2) (W61900)	B	596,167	377,933	271,979	242,999	514,978
95	JOINT BATTLE COMMAND - PLATFORM (JBC-P) (W61990)	A			17,242		17,242
96	LIGHTWEIGHT LASER DESIGNATOR/RANGEFINDER (LLDR) (K3)	B	188,984	134,696	59,080	97,020	156,100
97	COMPUTER BALLISTICS: LHMBC XM32 (K99200)	A	10,716	2,262		3,780	3,780
98	MORTAR FIRE CONTROL SYSTEM (K99300)		19,611	20,975	15,520		15,520
99	COUNTERFIRE RADARS (BA5500)		160,344	106,745	194,665	26,000	220,665
100	INTEGRATED MET SYS SENSORS (IMETS) - MIP (BW0021)		1,290				
101	Enhanced Sensor & Monitoring System (BZ5050)	A		1,981	1,944		1,944
	<i>SUB-ACTIVITY TOTAL</i>		<u>3,123,381</u>	<u>2,374,083</u>	<u>1,451,498</u>	<u>661,353</u>	<u>2,112,851</u>
<i>ELECT EQUIP - TACTICAL C2 SYSTEMS</i>							
102	TACTICAL OPERATIONS CENTERS (BZ9865)		513,073	146,811	29,934		29,934
103	FIRE SUPPORT C2 FAMILY (B28501)	A	71,321	68,537	39,042	14,840	53,882
104	Battle Command Sustainment Support System (BCS3) (W34600)		33,209	36,720	31,968	16	31,984
105	FAAD C2 (AD5050)	A	32,001	7,467	8,289		8,289
106	AIR & MSL DEFENSE PLANNING & CONTROL SYS (AMD PCS) (AD5070)		84,751	57,483	62,439		62,439

			FY2008	FY2009	FY2010 Base	FY2010 OCO	FY2010 Total
107	Knight Family (B78504)	A	160,301	154,412	80,831	178,500	259,331
108	LIFE CYCLE SOFTWARE SUPPORT (LCSS) (BD3955)		2,056	4,488	1,778		1,778
109	Automatic Identification Technology (BZ8889)	B	133,319	88,278	31,542		31,542
110	TC AIMS II (BZ8900)		74,999	32,785	11,124		11,124
111	Joint Network Management System (JNMS) (B95700)		13,166	11,026			
112	Tactical Internet Manager (B93900)		21,535	4,795			
113	NETWORK MANAGEMENT INITIALIZATION AND SERVICES (BA9	A	35,898	29,988	53,898	58,900	112,798
114	MANEUVER CONTROL SYSTEM (MCS) (BA9320)	A	176,379	122,646	77,646	5,000	82,646
115	Single Army Logistics Enterprise (SALE) (W10801)	A	172,927	70,167	46,861	1,440	48,301
116	RECONNAISSANCE AND SURVEYING INSTRUMENT SET (BZ99	A			11,118		11,118
117	Mounted Battle Command on the Move (MBCOTM) (BZ9970)	A	50,317	43,793	926		926
	<i>SUB-ACTIVITY TOTAL</i>		<u>1,575,252</u>	<u>879,396</u>	<u>487,396</u>	<u>258,696</u>	<u>746,092</u>
<i>ELECT EQUIP - AUTOMATION</i>							
118	GENERAL FUND ENTERPRISE BUSINESS SYSTEM (BE4168)	A	9,751	30,048	85,801		85,801
119	ARMY TRAINING MODERNIZATION (BE4169)		11,204	13,441	12,823		12,823
120	AUTOMATED DATA PROCESSING EQUIP (BD3000)		121,018	180,680	254,723		254,723
121	CSS COMMUNICATIONS (BD3501)	A	245,063	84,890	33,749		33,749
122	RESERVE COMPONENT AUTOMATION SYS (RCAS) (BE4167)		29,920	42,337	39,675		39,675
	<i>SUB-ACTIVITY TOTAL</i>		<u>416,956</u>	<u>351,396</u>	<u>426,771</u>		<u>426,771</u>
<i>ELECT EQUIP - AUDIO VISUAL SYSTEMS (AV)</i>							
123	AFRTS (BZ8480)		947				
124	ITEMS LESS THAN \$5.0M (AV) (BK5289)		5,401	6,657	2,709		2,709
125	ITEMS LESS THAN \$5M (SURVEYING EQUIPMENT) (BL5300)		7,037	12,576	5,172		5,172
	<i>SUB-ACTIVITY TOTAL</i>		<u>13,385</u>	<u>19,233</u>	<u>7,881</u>		<u>7,881</u>
<i>ELECT EQUIP - MODS TACTICAL SYS/EQ</i>							
126	WEAPONIZATION of UNMANNED AERIAL SYSTEM (UAS) (B1030)	A	15,104	15,079			
	<i>SUB-ACTIVITY TOTAL</i>		<u>15,104</u>	<u>15,079</u>			
<i>ELECT EQUIP - SUPPORT</i>							

		FY2008	FY2009	FY2010 Base	FY2010 OCO	FY2010 Total
127	Items under \$5M (SSE) (BF4500)	A 11,466	8,093			
128	PRODUCTION BASE SUPPORT (C-E) (BF5400)	505	512	518		518
	<i>SUB-ACTIVITY TOTAL</i>	<u>11,971</u>	<u>8,605</u>	<u>518</u>		<u>518</u>
	<b>ACTIVITY TOTAL</b>	<u>11,392,175</u>	<u>8,172,237</u>	<u>4,304,472</u>	<u>2,424,181</u>	<u>6,728,653</u>

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Nomenclature	SSN	BLIN	Page
AIR & MSL DEFENSE PLANNING & CONTROL SYS (AMD PCS)	AD5070	106	477
ALL SOURCE ANALYSIS SYS (ASAS) (MIP)	KA4400	061	242
AMC CRITICAL ITEMS - OPA2	B19920	038	128
ARMY DATA DISTRIBUTION SYSTEM (DATA RADIO)	BU1400	034	98
ARMY GLOBAL CMD & CONTROL SYS (AGCCS)	BA8250	033	96
ARMY TRAINING MODERNIZATION	BE4169	119	552
ARTILLERY ACCURACY EQUIP	AD3200	089	392
AUTOMATED DATA PROCESSING EQUIP	BD3000	120	562
Automatic Identification Technology	BZ8889	109	489
BASE EXPEDITIONARY TARGETING AND SURV SYS	BZ6501	088	387
BASE SUPPORT COMMUNICATIONS	BU4160	053	207
Battle Command Sustainment Support System (BCS3)	W34600	104	470
BRIDGE TO FUTURE NETWORKS	BB1500	040	130
CI AUTOMATION ARCHITECTURE (MIP)	BK5284	048	181
CI HUMINT AUTO REPRTING AND COLL(CHARCS) (MIP)	BK5275	073	305
CI MODERNIZATION (MIP)	BL5285	079	324
COMBAT SURVIVOR EVADER LOCATOR (CSEL)	B03200	045	157
COMMS-ELEC EQUIP FIELDING	BA5210	041	140

# Alphabetic Listing - Other Procurement, Army

Nomenclature	SSN	BLIN	Page
COMPUTER BALLISTICS      LHMBX XM32	K99200	097 .....	427
COUNTERFIRE RADARS	BA5500	099 .....	439
COUNTERINTELLIGENCE/SECURITY COUNTERMEASURES	BL5283	078 .....	323
COUNTER-ROCKET, ARTILLERY & MORTAR (C-RAM)	BZ0526	087 .....	384
CSS COMMUNICATIONS	BD3501	121 .....	599
DCGS-A (MIP)	BZ7316	069 .....	277
DEFENSE ENTERPRISE WIDEBAND SATCOM SYSTEMS (SPACE)	BB8500	025 .....	29
DEFENSE MESSAGE SYSTEM (DMS)	BU3770	056 .....	221
DIGITAL TOPOGRAPHIC SPT SYS (DTSS) (MIP)	KA2550	066 .....	274
ENHANCED PORTABLE INDUCTIVE ARTILLERY FUZE SETTER	AD3260	091 .....	397
Enhanced Sensor & Monitoring System	BZ5050	101 .....	445
FAAD C2	AD5050	105 .....	473
FIRE SUPPORT C2 FAMILY	B28501	103 .....	450
FORCE XXI BATTLE CMD BRIGADE & BELOW (FBCB2)	W61900	094 .....	414
GENERAL FUND ENTERPRISE BUSINESS SYSTEM	BE4168	118 .....	549
GLOBAL BRDCST SVC - GBS	BC4120	031 .....	79
IMS Remote Control Unit	B55503	043 .....	147
INFORMATION SYSTEM SECURITY PROGRAM-ISSP	TA0600	051 .....	187

## Alphabetic Listing - Other Procurement, Army

Nomenclature	SSN	BLIN	Page
INFORMATION SYSTEMS	BB8650	055 .....	213
Installation Info Infrastructure Mod Program(I3MP)	BU0500	057 .....	225
ITEMS LESS THAN \$5.0M (A/V)	BK5289	124 .....	610
ITEMS LESS THAN \$5.0M (MIP)	BK5278	075 .....	311
ITEMS LESS THAN \$5M (SURVEYING EQUIPMENT)	BL5300	125 .....	613
Items under \$5M (SSE)	BF4500	127 .....	617
JCSE EQUIPMENT (USREDCOM)	BB5777	024 .....	27
JOINT BATTLE COMMAND - PLATFORM (JBC-P)	W61990	095 .....	420
JOINT COMBAT IDENTIFICATION MARKING SYSTEM	BA0521	022 .....	1
Joint Network Management System (JNMS)	B95700	111 .....	497
JOINT TACTICAL GROUND STATION (JTAGS)	BZ8401	070 .....	283
Joint Tactical Radio System	B90000	035 .....	103
JTT/CIBS-M (MIP)	V29600	062 .....	246
Knight Family	B78504	107 .....	481
LIFE CYCLE SOFTWARE SUPPORT (LCSS)	BD3955	108 .....	488
LIGHTWEIGHT COUNTER MORTAR RADAR	B05201	076 .....	314
LIGHTWEIGHT LASER DESIGNATOR/RANGEFINDER (LLDR)	K31100	096 .....	423
LONG RANGE ADVANCED SCOUT SURVEILLANCE SYSTEM	K38300	083 .....	367



## Alphabetic Listing - Other Procurement, Army

Nomenclature	SSN	BLIN	Page
MANEUVER CONTROL SYSTEM (MCS)	BA9320	114 .....	516
MEDICAL COMM FOR CBT CASUALTY CARE (MC4)	MA8046	047 .....	178
MOD OF IN-SVC EQUIP (Firefinder Radars)	BZ7325	093 .....	407
MOD OF IN-SVC EQUIP (INTEL SPT) (MIP)	BZ9750	072 .....	297
MOD OF IN-SVC EQUIP (TAC SAT)	BB8417	032 .....	84
MORTAR FIRE CONTROL SYSTEM	K99300	098 .....	432
Mounted Battle Command on the Move (MBCOTM)	BZ9970	117 .....	545
Multi-Purpose Informations Operations Sysems	BC3000	039 .....	129
NAVSTAR GLOBAL POSITIONING SYSTEM (SPACE)	K47800	028 .....	66
NETWORK MANAGEMENT INITIALIZATION AND SERVICES	BA9301	113 .....	504
NIGHT VISION DEVICES	KA3500	082 .....	334
NIGHT VISION, THERMAL WPN SIGHT	K22900	084 .....	372
PENTAGON INFORMATION MGT AND TELECOM	BQ0100	058 .....	238
PRODUCTION BASE SUPPORT (C-E)	BF5400	128 .....	618
PROFILER	K27900	092 .....	402
PROPHET GROUND (MIP)	BZ7326	063 .....	248
RADIATION MONITORING SYSTEMS	WC5200	086 .....	381
Radio Terminal Set, MIDS LVT(2)	B22603	036 .....	116

## Alphabetic Listing - Other Procurement, Army

Nomenclature	SSN	BLIN	Page
RADIO, IMPROVED HF (COTS) FAMILY	BU8100	046 .....	162
RECONNAISSANCE AND SURVEYING INSTRUMENT SET	BZ9966	116 .....	542
RESERVE COMPONENT AUTOMATION SYS (RCAS)	BE4167	122 .....	607
SAT TERM, EMUT (SPACE)	K77200	027 .....	65
SCAMP (SPACE)	BC4003	030 .....	78
SENSE THROUGH THE WALL (STTW)	KA2300	081 .....	329
SENTINEL MODS	WK5057	080 .....	325
SEQUOYAH FOREIGN LANGUAGE TRANSLATION SYSTEM	B88605	074 .....	308
SHF TERM	BA9350	026 .....	60
SINGGARS FAMILY	BW0006	037 .....	121
Single Army Logistics Enterprise (SALE)	W10801	115 .....	520
SMALL TACTICAL OPTICAL RIFLE MOUNTED MLRF	K35110	085 .....	377
SMALL UNMANNED AERIAL SYSTEM (SUAS)	B00303	065 .....	271
SMART-T (SPACE)	BC4002	029 .....	72
SOLDIER ENHANCEMENT PROGRAM COMM/ELECTRONICS	BA5300	044 .....	152
SPIDER APLA Remote Control Unit	B55501	042 .....	142
Tactical Internet Manager	B93900	112 .....	501
TACTICAL OPERATIONS CENTERS	BZ9865	102 .....	446

## Alphabetic Listing - Other Procurement, Army

Nomenclature	SSN	BLIN	Page
Tactical Unmanned Aerial Sys (TUAS)MIP	B00301	064 .....	254
TC AIMS II	BZ8900	110 .....	494
TERRESTRIAL TRANSMISSION	BU1900	052 .....	201
TROJAN (MIP)	BA0326	071 .....	288
TSEC - ARMY KEY MGT SYS (AKMS)	BA1201	049 .....	182
WARLOCK	VA8000	077 .....	318
WEAPONIZATION of UNMANNED AERIAL SYSTEM (UAS)	B10300	126 .....	615
WIN-T - GROUND FORCES TACTICAL NETWORK	BW7100	023 .....	6
WW TECH CON IMP PROG (WWTCIP)	BU3610	054 .....	210

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

<u>System/Modification</u>	<u>2008 &amp; Prior</u>	<u>2009</u>	<u>2010</u>	<u>To Complete</u>	<u>Total Program</u>
<b>GMF Enhancement (B08701)</b>					
AN/TSC-85D/93D Modernization	32.4	0.8			37.2
AN/TSC-93E			13.4		61.4
<b>Total</b>	<b>32.4</b>	<b>0.8</b>	<b>13.4</b>		<b>98.6</b>
<b>MOD OF IN-SVC EQUIP (TAC SAT) (BB8417)</b>					
MOD OF IN SVC	337.5				337.5
AMPE	11.8	6.1	2.9		22.6
LHGXA	10.2				10.2
CSTP	63.5				63.5
DKET Upgrade			23.9		23.9
<b>Total</b>	<b>423.0</b>	<b>6.1</b>	<b>26.8</b>		<b>457.7</b>
<b>JOINT TACTICAL GROUND STATION MODS (JTAGS) (BZ8420)</b>					
Life Cycle management / Technology Insertion	4.5		6.7		35.6
<b>Total</b>	<b>4.5</b>		<b>6.7</b>		<b>35.6</b>
<b>MOD OF IN-SVC EQUIP (INTEL SPT) (MIP) (BZ9750)</b>					
Y2K fixes for GR/CS and ARL	7.3				7.3
REMBASS II for SBCT					
AN/PRD-13(V)2	15.4				15.4
Prophet Tech Insertion	7.6	2.4	7.6		54.3
AN/PPS-5D (GSR) for SBCT	3.9				3.9
ARNG Virtual Low Cost Infrastructure Plan Special Program					
<b>Total</b>	<b>34.2</b>	<b>2.4</b>	<b>7.6</b>		<b>80.9</b>
<b>ITEMS LESS THAN \$5.0M (MIP) (BK5278)</b>					
New Mod					
<b>Total</b>					
<b>SENTINEL MODS (WK5057)</b>					
Improved Sentinel	147.2	33.0	25.9		298.9

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

<u>System/Modification</u>	<u>2008 &amp; Prior</u>	<u>2009</u>	<u>2010</u>	<u>To Complete</u>	<u>Total Program</u>
TPX-57 (Mode 5 IFF)					36.3
Joint Identification Kit					
<b>Total</b>	<b>147.2</b>	<b>33.0</b>	<b>25.9</b>		<b>335.2</b>
<b>MOD OF IN-SVC EQUIP (Firefinder Radars) (BZ7325)</b>					
AN/TPQ-36(V)8 Electronics Upgrade	351.2	5.7	1.3		365.5
AN/TPQ-37 Fire Support Digitization	22.4				22.4
AN/TPQ-37 Reliability/Maintainability Improvements	65.9	21.6	1.5		97.5
AN/TPQ-37(V)8 Block I Upgrade	59.8				59.8
AN/TPQ36/37 Training Devices	30.0				30.0
<b>Total</b>	<b>529.3</b>	<b>27.3</b>	<b>2.8</b>		<b>575.2</b>
<b>FORCE XXI BATTLE CMD BRIGADE &amp; BELOW (FBCB2) (W61900)</b>					
New Mod					
<b>Total</b>					
<b>MOD OF IN-SVC EQUIP, AFATDS (B28620)</b>					
MOD OF IN-SVC, EQUIP, AFATDS	37358.0	14500.0	19357.0		131199.0
<b>Total</b>	<b>37358.0</b>	<b>14500.0</b>	<b>19357.0</b>		<b>131199.0</b>
<b>Grand Total</b>	<b>38528.6</b>	<b>14569.6</b>	<b>19440.2</b>		<b>132782.2</b>

# Exhibit P-40, Budget Item Justification Sheet

Date: May 2009

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

P-1 Item Nomenclature  
JOINT COMBAT IDENTIFICATION MARKING SYSTEM (BA0521)

Program Elements for Code B Items:  
BA0521000

Code:

Other Related Program Elements:

	Prior Years	FY 2008	FY 2009	FY 2010	To Complete	Total Prog
Proc Qty						
Gross Cost			12.9	11.9		24.7
Less PY Adv Proc						
Plus CY Adv Proc						
Net Proc P1			12.9	11.9		24.7
Initial Spares						
Total Proc Cost			12.9	11.9		24.7
Flyaway U/C						
Weapon System Proc U/C						

**Description:**

JCIMS is comprised of three separate devices used to enhance friendly object identification capabilities by providing the ability to display controlled, discrete, visible cues that can be identified at extended ranges and under conditions of limited visibility by sensor-equipped ground and air observers, and individuals equipped with the proper equipment. JCIMS devices emit or reflect either near infrared or far infrared (IR) radiation. They are attached to either the platform's vertical and horizontal surfaces, an antenna, or to the exterior of an individual's uniform. The first device, the Combat Identification Panel (CIP) is a metallic panel that is covered on one side with far-infrared, low-emissivity reflective tape. When viewed through a far infrared sensor it displays a bright or dark contrasting spot against the platform's surface, thereby indicating that the platform is friendly. Crews have the option of reversing the panels to turn off their effects. The second device, the Thermal Id Panel (TIP) is made of fabric that is covered on one side with the same tape. It is mounted on top of the platform's exterior. Both of these devices are visible when viewed through thermal sensors. The third device is an infrared beacon that emits an image that is detectable when viewed through image intensification technologies. IR lights are infrared blinking strobes visible through Night Vision Goggles (NVG), which provide ground-to-ground and air-to-ground target identification.

**Justification:**

FY10 Base dollars of \$11.868 million will procure 9,200 JICMS kits for Brigade Combat Teams. The complete JCIMS hardware package includes Combat Identification Panels (CIPs), Thermal ID Panels (TIPs) and IR Lights.

<b>Exhibit P-5, Weapon OPA2 Cost Analysis</b>	Appropriation/Budget Activity/Serial No: Other Procurement, Army / 2 / Communications and Electronics Equipment	P-1 Line Item Nomenclature: JOINT COMBAT IDENTIFICATION MARKING SYSTEM (BA0521)			Weapon System Type:		Date: May 2009			
<b>OPA2 Cost Elements</b>	ID	<b>FY 08</b>			<b>FY 09</b>			<b>FY 10</b>		
	CD	Total Cost	Qty	Unit Cost	Total Cost	Qty	Unit Cost	Total Cost	Qty	Unit Cost
		\$000	Each	\$000	\$000	Each	\$000	\$000	Each	\$000
JCIMS -Hardware					10398	10398	1	9200	9200	1
Program Management Admin					822			893		
Fielding/NET/CLS					1152			1200		
Data					150			175		
Engineering Change Orders					350			400		
<b>Total:</b>					<b>12872</b>			<b>11868</b>		

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

Date:  
May 2009

Appropriation/Budget Activity/Serial No: Other Procurement, Army/ 2/ Communications and Electronics Equipment		Weapon System Type:	P-1 Line Item Nomenclature: JOINT COMBAT IDENTIFICATION MARKING SYSTEM (BA0521)							
WBS Cost Elements:	Contractor and Location	Contract Method and Type	Location of PCO	Award Date	Date of First Delivery	QTY Each	Unit Cost \$000	Specs Avail Now?	Date Revsn Avail	RFP Issue Date
<b>JCIMS -Hardware</b>										
FY 2009	Crossroads Industrial Services Indianapolis Indiana	SS/FFP	TACOM, Warren, MI	Jan 09	Jul 09	10398	1	Yes		
FY 2010	Crossroads Industrial Services Indianapolis Indiana	SS/FFP	TACOM, Warren, MI	Dec 09	Jun 10	9200	1	Yes		

REMARKS: This is a 5 year requirements contract.



**FY 09 / 10 BUDGET PRODUCTION SCHEDULE**

P-1 ITEM NOMENCLATURE  
JOINT COMBAT IDENTIFICATION MARKING SYSTEM (BA0521)

Date: May 2009

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

JCIMS -Hardware																													
1	FY 09	A	10398	0	10398																								0
1	FY 10	A	9200	0	9200																								6622
Total					19598																								6622
						OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP

MFR	Name - Location	PRODUCTION RATES			Reached D+	MFR	ADMIN LEAD TIME		MFR After 1 Oct	TOTAL After 1 Oct	REMARKS	
		MIN	1-8-5	MAX			Prior 1 Oct	After 1 Oct				
1	Crossroads Industrial Services, Indianapolis Indiana	3600	12000	24000		1	Initial	0	3	6	9	
							Reorder	0	2	6	8	
							Initial					
							Reorder					
							Initial					
							Reorder					
							Initial					
							Reorder					
							Initial					
							Reorder					

**FY 11 / 12 BUDGET PRODUCTION SCHEDULE**

P-1 ITEM NOMENCLATURE  
JOINT COMBAT IDENTIFICATION MARKING SYSTEM (BA0521)

Date: May 2009

COST ELEMENTS						Fiscal Year 11													Fiscal Year 12													Later
MFR	FY	SERV	PROC QTY Each	ACCEP PRIOR TO 1 OCT	BAL DUE AS OF 1 OCT	Calendar Year 11													Calendar Year 12													
						OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP			
JCIMS -Hardware																																
1	FY 09	A	10398	10398																								0				
1	FY 10	A	9200	2578	6622	826	826	826	826	826	830	831	831															0				
Total					6622	826	826	826	826	826	830	831	831																			
						OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP			

MFR	Name - Location	PRODUCTION RATES			Reached D+	MFR	ADMIN LEAD TIME		MFR After 1 Oct	TOTAL After 1 Oct	REMARKS
		MIN	1-8-5	MAX			Prior 1 Oct	After 1 Oct			
1	Crossroads Industrial Services, Indianapolis Indiana	3600	12000	24000		1	0	3	6	9	
							0	2	6	8	
							Initial				
							Reorder				
							Initial				
							Reorder				
							Initial				
							Reorder				
							Initial				
							Reorder				

<b>Exhibit P-40, Budget Item Justification Sheet</b>						Date: May 2009
Appropriation / Budget Activity / Serial No: Other Procurement, Army / 2 / Communications and Electronics Equipment				P-1 Item Nomenclature WIN-T - GROUND FORCES TACTICAL NETWORK (BW7100)		
Program Elements for Code B Items:		Code:	Other Related Program Elements:			
	Prior Years	FY 2008	FY 2009	FY 2010	To Complete	Total Prog
Proc Qty						
Gross Cost			655.9	557.7	Continuing	Continuing
Less PY Adv Proc						
Plus CY Adv Proc						
Net Proc P1			655.9	557.7	Continuing	Continuing
Initial Spares						
Total Proc Cost			655.9	557.7	Continuing	Continuing
Flyaway U/C						
Weapon System Proc U/C					Continuing	Continuing
<b>Description:</b>						
<p>Warfighter Information Network-Tactical (WIN-T) is the Army's strategy to achieve a world-class Joint expeditionary network enabled by information technologies that support the goals of the Army Campaign Plan and other Army/Joint mandates. WIN-T is the cornerstone tactical communications system supporting the implementation of the LandWarNet strategy during the 2007 to 2025 timeframe. The WIN-T program is establishing a single integrating framework creating a network of networks for the Army.</p> <p>The WIN-T program focus is to produce and field the Future Modular Force transport network, while leveraging mature technologies that can enhance the Current Modular Force to operate in an emerging noncontiguous environment. WIN-T will be fielded in Increments.</p> <p>The Defense Acquisition Executive (DAE), through the Nunn-McCurdy certification process, certified a restructured WIN-T program on June 5, 2007. As a result, the Army is restructuring the WIN-T Major Defense Acquisition Program (MDAP) to absorb the former Joint Network Node (JNN) Network program. It further stated that the restructured program will consist of four Increments:</p> <ul style="list-style-type: none"> <li>Increment 1: Networking At-The-Halt (ATH)</li> <li>Increment 2: Initial Networking on-the-Move; for Soldier Network Extensions (SNEs) and High-capacity Network Radios (HNRs), Tactical Communications Nodes (TCNs), Points of Presence (PoPs) and other associated Configuration Items (CI) and Procurement of limited numbers of SNEs, HNRs, TCNs, PoPs and other associated CIs</li> <li>Increment 3: Full Networking on-the-Move; Full mobility to include Future Combat Systems (FCS) support</li> <li>Increment 4: Protected Satellite Communications (SATCOM) on-the-Move; Enhanced capability for protected SATCOM through tech insertions from High Capacity Communication Capability (HC3)</li> </ul> <p>Area Common User System Modernization (ACUS MOD): Provides planned modifications, upgrades, and recapitalization for select long-haul transmission systems and data switches that support the WIN-T increments.</p>						
<b>Justification:</b>						
<p>FY 2010 Base funding in the amount of \$363.077 million procures Increment 1 quantities of 369 Colorless Core and 369 Network Centric Warfare (NCW) Modems which will be fielded as an upgrade to WIN-T Increment 1. This equipment enables Army units to communicate with units that will be fielded with WIN-T Increment 2 capability.</p> <p>FY2010 Base funding in the amount of \$135.913 million for Increment 2 continues to procure Low Rate Initial Production (LRIP) quantities to support test activities, prove-out production processes and ramp-up the production line to support Full Rate Production (FRP) delivery requirements. LRIP assets will be fielded after testing.</p>						

<b>Exhibit P-40, Budget Item Justification Sheet</b>		Date: May 2009
Appropriation / Budget Activity / Serial No: Other Procurement, Army / 2 / Communications and Electronics Equipment		P-1 Item Nomenclature WIN-T - GROUND FORCES TACTICAL NETWORK (BW7100)
Program Elements for Code B Items:	Code:	Other Related Program Elements:
<p>FY2010 Base funding in the amount of \$156.950 million for ACUS MOD will procure support equipment consisting of Battlefield Video-Teleconferencing Center (BVTC)Infrastructure Transit Case Solution (BITS)/BVTC hardware, software support, total package fielding, logistics, testing and program management for Single Shelter Switch (SSS), High Capacity Line-of Sight (HCLoS), and Troposcatter.</p> <p>FY2010 OCO in the amount of \$13.5M is for NETCOM requirements for ACUS MODS technology solutions.</p>		

<b>Exhibit P-5, Weapon OPA2 Cost Analysis</b>		Appropriation/Budget Activity/Serial No: Other Procurement, Army / 2 / Communications and Electronics Equipment			P-1 Line Item Nomenclature: WIN-T - GROUND FORCES TACTICAL NETWORK (BW7100)			Weapon System Type:		Date: May 2009	
<b>OPA2 Cost Elements</b>		ID	<b>FY 08</b>			<b>FY 09</b>			<b>FY 10</b>		
		CD	Total Cost	Qty	Unit Cost	Total Cost	Qty	Unit Cost	Total Cost	Qty	Unit Cost
			\$000	Each	\$000	\$000	Each	\$000	\$000	Each	\$000
Increment 1-Networking ATH						363077			29349		
Increment 2-Initial Networking OTM						135913			458821		
WIN-T ACUS MOD						156950			69532		
<b>Total:</b>						<b>655940</b>			<b>557702</b>		

<b>Exhibit P-40, Budget Item Justification Sheet</b>						Date: May 2009
Appropriation / Budget Activity / Serial No: Other Procurement, Army / 2 / Communications and Electronics Equipment				P-1 Item Nomenclature INCREMENT 1 - NETWORKING AT THE HALT (BW7110)		
Program Elements for Code B Items:		Code:	Other Related Program Elements:			
	Prior Years	FY 2008	FY 2009	FY 2010	To Complete	Total Prog
Proc Qty						
Gross Cost			363.1	29.3		392.4
Less PY Adv Proc						
Plus CY Adv Proc						
Net Proc P1			363.1	29.3		392.4
Initial Spares						
Total Proc Cost			363.1	29.3		392.4
Flyaway U/C						
Weapon System Proc U/C						
<b>Description:</b> Increment 1: Networking At-The-Halt (ATH)  The system provides the battle commander with an offensively oriented network with extended reach and reach-back, and increased through put. The network is capable of passing unclassified and classified traffic communications, throughout its entire structure, from Home Station Operations Center to the farthest forward Battalion Elements. Designed to meet modularity and rapid deployment mandates, the network is also intended to support Joint Communications Requirements and internet applications from Coalition Partners and from approved federal agencies such as the Federal Emergency Management Agency (FEMA) and Homeland Security.						
<b>Justification:</b> FY 2010 Base procures 369 Colorless Core and 369 NCW Modems which will be fielded as an upgrade to WIN-T Increment 1. This equipment enables Army units to communicate with units that will be fielded with WIN-T Increment 2 capability.  All funding is for the Active Compo.						

<b>Exhibit P-5, Weapon OPA2 Cost Analysis</b>		Appropriation/Budget Activity/Serial No: Other Procurement, Army / 2 / Communications and Electronics Equipment			P-1 Line Item Nomenclature: INCREMENT 1 - NETWORKING AT THE HALT (BW7110)			Weapon System Type:		Date: May 2009	
<b>OPA2 Cost Elements</b>		ID CD	<b>FY 08</b>			<b>FY 09</b>			<b>FY 10</b>		
			Total Cost	Qty	Unit Cost	Total Cost	Qty	Unit Cost	Total Cost	Qty	Unit Cost
			\$000	Units	\$000	\$000	Units	\$000	\$000	Units	\$000
Equipment						105335				16026	
Network Operation						6117					
Engineering Support						3917				2570	
Training						9596				2222	
Fielding/CFSR						14888				2078	
Initial Spares						5212				2597	
Program Management						11889				3074	
PDSS						8388				782	
KA Capability						20728					
TADDS upgrade to Incr 1b						7460					
Additional CPNs for Round out (qty23)						15985					
3 USASOC Hub						65647					
Lot 1-9 Up-Armor ( New Shelters)						87915					
<b>Total:</b>						<b>363077</b>				<b>29349</b>	

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

Date:  
May 2009

Appropriation/Budget Activity/Serial No: Other Procurement, Army/ 2/ Communications and Electronics Equipment	Weapon System Type:	P-1 Line Item Nomenclature: INCREMENT 1 - NETWORKING AT THE HALT (BW7110)								
WBS Cost Elements:	Contractor and Location	Contract Method and Type	Location of PCO	Award Date	Date of First Delivery	QTY Each	Unit Cost \$000	Specs Avail Now?	Date Revsn Avail	RFP Issue Date
<b>Equipment</b>										
FY 2009	Colorless Core TBD	Comp/FFP	Ft. Monmouth, NJ	Jun 09	Dec 09	256		yes		May-08
FY 2009	NCW Modem TBD	Comp/FFP	Ft. Monmouth, NJ	Jun 09	Dec 09	256		yes		May-08
FY 2009	Hub General Dynamics - Dulth GA	Comp/FFP	Ft. Monmouth, NJ	Aug 09	Apr 10	6		yes		May-08
FY 2009	JNN General Dyanmics - Taunton, MA	Comp/FFP	Ft. Monmouth, NJ	Aug 09	Apr 10	16		yes		May-08
FY 2009	BnCPN General Dyanmics - Taunton, MA	Comp/FFP	Ft. Monmouth, NJ	Aug 09	Apr 10	36		yes		May-08
FY 2010	Colorless Core TBD	Comp/FFP	Ft. Monmouth, NJ	Jan 10	Aug 10	369		yes		May-08
FY 2010	NCW Modem TBD	Comp/FF	Ft. Monmouth, NJ	Jan 10	Aug 10	369		yes		May-08

REMARKS:



<b>FY 08 / 09 BUDGET PRODUCTION SCHEDULE</b>	P-1 ITEM NOMENCLATURE INCREMENT 1 - NETWORKING AT THE HALT (BW7110)	Date: May 2009
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COST ELEMENTS						Fiscal Year 08												Fiscal Year 09												Later
MFR	FY	S E R V	PROC QTY Each	ACCEP PRIOR TO 1 OCT	BAL DUE AS OF 1 OCT	Calendar Year 08												Calendar Year 09												
						O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	
BNCNP																														
5	FY 09	A	36	0	36																							A	36	
Colorless Core																														
1	FY 09	A	256	0	256																							A	256	
1	FY 10	A	369	0	369																								369	
HUB																														
3	FY 09	A	6	0	6																							A	6	
JNN																														
4	FY 09	A	16	0	16																							A	16	
NCW Modem																														
2	FY 09	A	256	0	256																							A	256	
2	FY 10	A	369	0	369																								369	
Total																													1308	

MFR	Name - Location	PRODUCTION RATES			Reached D+	MFR	ADMIN LEAD TIME		MFR After 1 Oct	TOTAL After 1 Oct	REMARKS	
		MIN	1-8-5	MAX			Prior 1 Oct	After 1 Oct				
		1	2	3			4	5				
1	Colorless Core, TBD	10	15	35		1	Initial	0	7	5	12	
							Reorder	0	7	5	12	
2	NCW Modem, TBD	10	15	35		2	Initial	0	7	5	12	
							Reorder	0	7	5	12	
3	Hub, General Dynamics - Dulth GA	1	1	1			Initial	0	9	7	16	
							Reorder	0	9	7	16	
4	JNN, General Dyanmics - Taunton, MA	5	7	14		3	Initial	0	9	7	16	
							Reorder	0	9	7	16	
5	BnCPN, General Dyanmics - Taunton, MA	10	20	40		4	Initial	0	9	7	16	
							Reorder	0	9	7	16	
						5	Initial	0	9	7	16	
							Reorder	0	9	7	16	

<b>FY 10 / 11 BUDGET PRODUCTION SCHEDULE</b>	P-1 ITEM NOMENCLATURE INCREMENT 1 - NETWORKING AT THE HALT (BW7110)	Date: May 2009
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COST ELEMENTS						Fiscal Year 10												Fiscal Year 11												Later
M F R	FY	S E R V	PROC QTY Each	ACCEP PRIOR TO 1 OCT	BAL DUE AS OF 1 OCT	Calendar Year 10												Calendar Year 11												
						O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	
BNCNP																														
5	FY 09	A	36	0	36																								0	
Colorless Core																														
1	FY 09	A	256	0	256			30	30	30	31	35	35	35	30														0	
1	FY 10	A	369	0	369				A						35	35	35	35	30	35	35	35	30	30	34				0	
HUB																														
3	FY 09	A	6	0	6								1	1	1	1	1	1											0	
JNN																														
4	FY 09	A	16	0	16								6	5	5														0	
NCW Modem																														
2	FY 09	A	256	0	256			30	30	30	31	35	35	35	30														0	
2	FY 10	A	369	0	369				A						35	35	35	35	30	35	35	35	30	30	34				0	
Total																														
					1308			60	60	60	62	89	88	88	61	71	71	70	70	60	70	70	70	60	60	68				
						O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	

M F R	Name - Location	PRODUCTION RATES			Reached D+	MFR	ADMIN LEAD TIME		MFR After 1 Oct	TOTAL After 1 Oct	REMARKS	
		MIN	1-8-5	MAX			Prior 1 Oct	After 1 Oct				
		1	Initial	0			7	5	12			
1	Colorless Core, TBD	10	15	35		1	Initial	0	7	5	12	
							Reorder	0	7	5	12	
2	NCW Modem, TBD	10	15	35		2	Initial	0	7	5	12	
							Reorder	0	7	5	12	
3	Hub, General Dynamics - Dulth GA	1	1	1			Initial	0	7	5	12	
							Reorder	0	7	5	12	
4	JNN, General Dyanmics - Taunton, MA	5	7	14		3	Initial	0	9	7	16	
							Reorder	0	9	7	16	
5	BnCPN, General Dyanmics - Taunton, MA	10	20	40			Initial	0	9	7	16	
							Reorder	0	9	7	16	
						4	Initial	0	9	7	16	
							Reorder	0	9	7	16	
						5	Initial	0	9	7	16	
							Reorder	0	9	7	16	

<b>Exhibit P-40, Budget Item Justification Sheet</b>					Date: May 2009	
Appropriation / Budget Activity / Serial No: Other Procurement, Army / 2 / Communications and Electronics Equipment				P-1 Item Nomenclature INCREMENT 2 - INITIAL NETWORKING ON THE MOVE (BW7115)		
Program Elements for Code B Items:		Code:	Other Related Program Elements:			
	Prior Years	FY 2008	FY 2009	FY 2010	To Complete	Total Prog
Proc Qty			56	262	Continuing	Continuing
Gross Cost			135.9	458.8	Continuing	Continuing
Less PY Adv Proc						
Plus CY Adv Proc						
Net Proc P1			135.9	458.8	Continuing	Continuing
Initial Spares						
Total Proc Cost			135.9	458.8	Continuing	Continuing
Flyaway U/C						
Weapon System Proc U/C			2.4	1.8	Continuing	Continuing
<b>Description:</b> Increment 2 (Inc 2) provides commercial and military band satellite communications to Division, Brigade, Battalion and Company, while also providing initial On-The-Move (OTM) capability and a mobile infrastructure; it also provides SATCOM On-The-Move (SOTM) extended to Company level. It supports limited collaboration and mission planning. It enables distribution of information via voice, data, and real-time video from ground-to-ground and ground-to-satellite communications. It capitalizes on Commercial off-the-shelf (COTS)/Government off-the-shelf (GOTS), mature technologies developed in Inc 3 and adds mobility to the Brigade Combat Team (BCT), Battalions, and Companies, and enables planning, monitoring, controlling and prioritizing (PMCP) to the Division Headquarters (HQs) and/or the Brigade network. Inc 3 mature technologies will continue to be provided to Inc 2.						
<b>Justification:</b> FY2010 Base procures Low Rate Initial Production (LRIP) quantities to support test activities, prove-out production processes and ramp-up the production line to support Full Rate Production (FRP) delivery requirements. LRIP assets will be fielded after testing. Inc 3 mature technologies will be provided to Inc 2. Inc 2 does not have an official fielding schedule. Until an official schedule is received, the assumption is being made that Inc 2 will field to all active units.  All funding is for the Active Compo.						

<b>Exhibit P-5, Weapon OPA2 Cost Analysis</b>		Appropriation/Budget Activity/Serial No: Other Procurement, Army / 2 / Communications and Electronics Equipment			P-1 Line Item Nomenclature: INCREMENT 2 - INITIAL NETWORKING ON THE MOVE (BW7115)			Weapon System Type:		Date: May 2009	
<b>OPA2 Cost Elements</b>		ID CD	<b>FY 08</b>			<b>FY 09</b>			<b>FY 10</b>		
			Total Cost	Qty	Unit Cost	Total Cost	Qty	Unit Cost	Total Cost	Qty	Unit Cost
			\$000	Each	\$000	\$000	Each	\$000	\$000	Each	\$000
1. Hardware - Increment 2 System											
TCN					49837	11	4531	153188	45	3404	
NOSC					5646	2	2823	21345	10	2135	
PoP					17203	10	1720	50076	40	1252	
SNE					34071	33	1032	117281	167	702	
<b>Subtotal</b>					<b>106757</b>			<b>341890</b>			
2. Fixed Regional Hub Upgrade Kits					1526			3660			
3. Tooling/Test					9714			7689			
4. Engineering Change Orders					2572			45741			
5. Program Management Administration					9037			14300			
6. Training/Data					1992			18237			
7. Fielding								3349			
8. Support Maintenance					4315			23977			
<b>Subtotal</b>					<b>29156</b>			<b>116953</b>			
<b>Total:</b>					<b>135913</b>			<b>458843</b>			

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

Date:  
May 2009

Appropriation/Budget Activity/Serial No: Other Procurement, Army/ 2/ Communications and Electronics Equipment		Weapon System Type:	P-1 Line Item Nomenclature: INCREMENT 2 - INITIAL NETWORKING ON THE MOVE (BW7115)							
WBS Cost Elements:	Contractor and Location	Contract Method and Type	Location of PCO	Award Date	Date of First Delivery	QTY Each	Unit Cost \$000	Specs Avail Now?	Date Revsn Avail	RFP Issue Date
<b>1. Hardware - Increment 2 System</b>										
FY 2009	General Dynamics C4 Systems Taunton, MA	SS/FP	CECOM LCMC, Ft. Monmouth, NJ	Aug 09	Oct 10	56		Y		Jun-09
FY 2010	General Dynamics C4 Systems Taunton, MA	SS/FP	CECOM LCMC, Ft. Monmouth, NJ	Feb 10	Feb 11	262		Y		Jun-09

REMARKS: The production schedule is an estimate and subject to change due to prioritization decisions.

<b>FY 09 / 10 BUDGET PRODUCTION SCHEDULE</b>														P-1 ITEM NOMENCLATURE INCREMENT 2 - INITIAL NETWORKING ON THE MOVE (BW7115)										Date: May 2009	
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COST ELEMENTS						Fiscal Year 09											Fiscal Year 10											Later
M F R	FY	S E R V	PROC QTY Each	ACCEP PRIOR TO 1 OCT	BAL DUE AS OF 1 OCT	Calendar Year 09											Calendar Year 10											
						O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	

1. Hardware - Increment 2 System																																	
1	FY 09	A	56	0	56													A														56	
1	FY 10	A	262	0	262																A											262	
Total						318																											318
						O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P				

M F R	Name - Location	PRODUCTION RATES			Reached D+	MFR	ADMIN LEAD TIME		MFR After 1 Oct	TOTAL After 1 Oct	REMARKS	
		MIN	1-8-5	MAX			Prior 1 Oct	After 1 Oct				
1	General Dynamics C4 Systems, Taunton, MA	10	40	120		1	Initial	0	6	14	20	
							Reorder	0	3	12	15	
							Initial					
							Reorder					
							Initial					
							Reorder					
							Initial					
							Reorder					
							Initial					
							Reorder					

**FY 11 / 12 BUDGET PRODUCTION SCHEDULE**

P-1 ITEM NOMENCLATURE  
INCREMENT 2 - INITIAL NETWORKING ON THE MOVE (BW7115)

Date: May 2009

COST ELEMENTS					Fiscal Year 11											Fiscal Year 12											Later		
MFR	FY	S E R V	PROC QTY Each	ACCEP PRIOR TO 1 OCT	BAL DUE AS OF 1 OCT	Calendar Year 11											Calendar Year 12												
						O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N		J U L	A U G
1. Hardware - Increment 2 System																													
1	FY 09	A	56	0	56	10	10	16	20																			0	
1	FY 10	A	262	0	262					20	20	20	20	20	20	20	22	25	25	25	25							0	
Total						318	10	10	16	20	20	20	20	20	20	20	22	25	25	25	25								
						O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P

MFR	Name - Location	PRODUCTION RATES			Reached D+	MFR	ADMIN LEAD TIME		MFR After 1 Oct	TOTAL After 1 Oct	REMARKS	
		MIN	1-8-5	MAX			Prior 1 Oct	After 1 Oct				
1	General Dynamics C4 Systems, Taunton, MA	10	40	120		1	Initial	0	6	14	20	
							Reorder	0	3	12	15	
							Initial					
							Reorder					
							Initial					
							Reorder					
							Initial					
							Reorder					
							Initial					
							Reorder					

<b>Exhibit P-40, Budget Item Justification Sheet</b>						Date: May 2009
Appropriation / Budget Activity / Serial No: Other Procurement, Army / 2 / Communications and Electronics Equipment				P-1 Item Nomenclature WIN-T - ACUS MODS (BW7130)		
Program Elements for Code B Items:		Code:	Other Related Program Elements:			
	Prior Years	FY 2008	FY 2009	FY 2010	To Complete	Total Prog
Proc Qty						
Gross Cost			157.0	69.5		226.5
Less PY Adv Proc						
Plus CY Adv Proc						
Net Proc P1			157.0	69.5		226.5
Initial Spares						
Total Proc Cost			157.0	69.5		226.5
Flyaway U/C						
Weapon System Proc U/C						
<b>Description:</b>						
<p>The Area Common User System Modernization (ACUS-Mod) Program provides ongoing and planned modifications, upgrades, and recapitalization of the Mobile Subscriber Equipment (MSE) and Tri-TAC systems as the Army's intermediate-term solution. The ACUS Mod Program also supports the Army's Transformation/Modularity initiatives by developing, procuring, and fielding new technologies and selected upgrades into the Army's Stryker Brigade Combat Teams (SBCTs) and Modularity units.</p> <p>ACUS Mod systems provide enhanced long-haul data communications bandwidth and increased throughput to the Brigade Tactical Operations Center (TOC) via the 8Mbps/Tactical High Speed Data Network (THSDN) technology which uses a combination of tactical (circuit cards) and commercial (routers) equipment, and the AN/GRC-245 High Capacity Line-of-Sight Radio (HCLOS) which is the next-generation line-of-sight radio which replaces the AN/GRC-226 radios in the AN/TRC-190 family of transmission assemblages.</p> <p>ACUS Mod provides an increased transmission capability between data switches for the digitized battlefield. Equipment fielded in support of this requirement includes the Network Operations Center-Vehicle (NOC-V), a tactical shelterized vehicle that provides an integrated means to plan, manage, monitor, control, protect, and support TOC Local Area Network and Tactical Internet communications. The NOC-V also provides phone (voice over IP) connectivity within the Tactical Operations Center (TOC) and to other combat units when connected to a Brigade Subscriber Node (BSN). The BSN, also a tactical shelterized vehicle, is an integrated switching/transmission shelter providing voice/data/video capabilities for the SBCTs. Additional ACUS Mod battlefield technologies include Battlefield Video Teleconferencing (BVTC), which provides internetworking of video terminals, and the AN/TTC-58(V) Baseband Node (BBN), which is a technology insertion effort for Joint Task Force /Joint Forces Land Component Commander and Staff and will provide for downsized Large Extension Node data capability. Other ACUS Mod equipment includes the Single Shelter Switch (SSS) AN/TTC-56, Troposcatter AN/TRC-170, the Secure Wireless LAN (SWLAN), FAX (AN/UXC-10) and the High Mobility Digital Group Multiplexer assemblage (HMMDA) which provides 25 miles of line-of-sight transmission and 12 miles of fiber optic range in conjunction with several radio terminals and repeaters.</p>						
<b>Justification:</b>						
<p>FY 2010 Base procures 66 BITS/BVTC retrofit hardware, 87 FAX tactical machines, software support, total package fielding, logistics, testing and program management for SSS, HCLOS, Troposcatter, and BITS/BVTC.</p> <p>FY2010 OCO in the amount of \$13.5 million procures NETCOM requirements for ACUS MODS technology solutions.</p>						



<b>Exhibit P-40, Budget Item Justification Sheet</b>				Date: May 2009
Appropriation / Budget Activity / Serial No: Other Procurement, Army / 2 / Communications and Electronics Equipment			P-1 Item Nomenclature WIN-T - ACUS MODS (BW7130)	
Program Elements for Code B Items:		Code:	Other Related Program Elements:	
		FY2008	FY2009	FY2010
Active	QTY			
	Gross Cost	0	82030	2291
National	QTY			
Guard	Gross Cost	0	62138	22360
Reserve	Qty			
	Gross Cost	0	12782	44881

<b>Exhibit P-5, Weapon OPA2 Cost Analysis</b>		Appropriation/Budget Activity/Serial No: Other Procurement, Army / 2 / Communications and Electronics Equipment			P-1 Line Item Nomenclature: WIN-T - ACUS MODS (BW7130)			Weapon System Type:		Date: May 2009	
<b>OPA2 Cost Elements</b>		ID CD	<b>FY 08</b>			<b>FY 09</b>			<b>FY 10</b>		
			Total Cost	Qty	Unit Cost	Total Cost	Qty	Unit Cost	Total Cost	Qty	Unit Cost
			\$000	Each	\$000	\$000	Each	\$000	\$000	Each	\$000
AN/TRC-190 (HCLOS)						22236	327	68			
AN/TYQ-122 (BITS/BVTC)						3072	16	192			
AN/TYQ-122 (BITS/BVTC) Retrofit						38465	245	157	10362	66	157
AN/TRC-170 (TROPOSCATTER) Upgrade						1250	5	250			
AN/UXC-10 (FAX)						11965	779	15	1479	87	17
Other Hardware						39365			22519		
Software						2776			3020		
Total Package Fielding						9708			4349		
Logistics						8749			3266		
Engineering						7759			3090		
Testing						1865			1342		
Program Management						9740			6605		
NETCOM Requirement									13500		
<b>Total:</b>						<b>156950</b>			<b>69532</b>		

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

Date:  
May 2009

Appropriation/Budget Activity/Serial No: Other Procurement, Army/ 2/ Communications and Electronics Equipment	Weapon System Type:	P-1 Line Item Nomenclature: WIN-T - ACUS MODS (BW7130)								
WBS Cost Elements:	Contractor and Location	Contract Method and Type	Location of PCO	Award Date	Date of First Delivery	QTY Each	Unit Cost \$000	Specs Avail Now?	Date Revsn Avail	RFP Issue Date
<b>AN/TRC-190 (HCLOS) Base</b> FY 2009	Ultra Electronics(TRC-190) Quebec, Canada	C/IDIQ	Ft. Monmouth, NJ	Dec 08	Jan 10	85	68			
<b>AN/TRC-190 (HCLOS) Sup</b> FY 2009	Ultra Electronics(TRC-190) Quebec, Canada	C/IDIQ	Ft. Monmouth, NJ	Jul 09	Aug 10	242	68			
<b>AN/TYQ-122 (BITS/BVTC) Retrofit Base</b> FY 2009	GDC4S- BITS/BVTC Retrofit Taunton, MA	C/IDIQ	Ft. Monmouth, NJ	Jan 09	Aug 09	122	157			
FY 2010	GDC4S- BITS/BVTC Retrofit Taunton, MA	C/IDIQ	Ft. Monmouth, NJ	Jan 10	Aug 10	66	157			
<b>AN/TYQ-122 (BITS/BVTC) Retrofit Sup</b> FY 2009	GDC4S- BITS/BVTC Retrofit Taunton, MA	C/IDIQ	Ft. Monmouth, NJ	Jul 09	Feb 10	123	157			
<b>AN/TYQ-122 (BITS/BVTC) Base</b> FY 2009	GDC4S - BITS/BVTC Taunton, MA	C/IDIQ	Ft. Monmouth, NJ	Jan 09	Aug 09	14	192			
<b>AN/TYQ-122 (BITS/BVTC) Sup</b> FY 2009	GDC4S - BITS/BVTC Taunton, MA	C/IDIQ	Ft. Monmouth, NJ	Jul 09	Feb 10	2	192			
<b>AN/TRC-170 (TROPOSCATTER) Upgrade Sup</b> FY 2009	Ultra Electronics(TRC-190) Quebec, Canada	C/IDIQ	Ft. Monmouth, NJ	Jul 09	Dec 09	5	250			
<b>AN/UXC-10(FAX) Base</b> FY 2009	GDC4S-AN/UXC-10 Taunton, MA	C/IDIQ	Ft. Monmouth, NJ	Jul 09	Feb 10	779	15			
FY 2010	GDC4S-AN/UXC-10 Taunton, MA	C/IDIQ	Ft. Monmouth, NJ	Dec 10	Jul 11	87	17			

REMARKS:

<b>FY 09 / 10 BUDGET PRODUCTION SCHEDULE</b>														P-1 ITEM NOMENCLATURE WIN-T - ACUS MODS (BW7130)											Date: May 2009	
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COST ELEMENTS						Fiscal Year 09												Fiscal Year 10												Later																						
M F R	FY	S E R V	PROC QTY Each	ACCEP PRIOR TO 1 OCT	BAL DUE AS OF 1 OCT	Calendar Year 09												Calendar Year 10																																		
						O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P																							
AN/TRC-190 (HCLOS) Base																																																				
1	FY 09	A	85	0	85				A																		10	10	10	10	10	10	10	10	10	10	5	0														
AN/TRC-190 (HCLOS) Sup																																																				
1	FY 09	A	242	0	242																															20	20	202														
AN/TYQ-122 (BITS/BVTC) Retrofit Base																																																				
3	FY 09	A	122	0	122					A								12	12	10	10	10	10	10	10	10	10	10	10	10	10	10	10	8		0																
3	FY 10	A	66	0	66																															10	10	46														
AN/TYQ-122 (BITS/BVTC) Retrofit Sup																																																				
3	FY 09	A	123	0	123																																12	12	27													
AN/TYQ-122 (BITS/BVTC) Base																																																				
2	FY 09	A	14	0	14					A								2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	0														
AN/TYQ-122 (BITS/BVTC) Sup																																																				
2	FY 09	A	2	0	2																																		2	0												
AN/TRC-170 (TROPOSCATTER) Upgrade Sup																																																				
4	FY 09	A	5	0	5																																	1	1	1	1	1	0									
AN/UXC-10(FAX) Base																																																				
						O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P																							

M F R	Name - Location	PRODUCTION RATES			Reached D+	MFR	ADMIN LEAD TIME		MFR After 1 Oct	TOTAL After 1 Oct	REMARKS
		MIN	1-8-5	MAX			Prior 1 Oct	After 1 Oct			
1	Ultra Electronics(TRC-190), Quebec, Canada	1	10	80		1	Initial	0	3	12	15
							Reorder	0	3	12	15
2	GDC4S - BITS/BVTC, Taunton, MA	1	14	30		2	Initial	0	3	6	9
							Reorder	0	3	6	9
3	GDC4S- BITS/BVTC Retrofit, Taunton, MA	1	14	30			Initial	0	3	6	9
							Reorder	0	3	6	9
4	COMTECH-TRC-170, Orlando, FL	1	30	30		3	Initial	0	3	6	9
							Reorder	0	3	6	9
5	GDC4S-AN/UXC-10, Taunton, MA	1	70	70		4	Initial	0	3	4	7
							Reorder	0	3	3	6
5						5	Initial	0	3	6	9
							Reorder	0	3	6	9

**FY 09 / 10 BUDGET PRODUCTION SCHEDULE**

P-1 ITEM NOMENCLATURE  
WIN-T - ACUS MODS (BW7130)

Date: May 2009

COST ELEMENTS						Fiscal Year 09													Fiscal Year 10													Later									
MFR	FY	SE R V	PROC QTY Each	ACCEP PRIOR TO 1 OCT	BAL DUE AS OF 1 OCT	Calendar Year 09													Calendar Year 10																						
						OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP												
5	FY 09	A	779	0	779												A									65	65	65	65	65	65	65	65								
5	FY 10	A	87	0	87																																				87
Total																	14	14	12	12	13	23	102	98	98	97	97	95	117	112									621		

MFR	Name - Location	PRODUCTION RATES			Reached D+	MFR	ADMIN LEAD TIME		MFR After 1 Oct	TOTAL After 1 Oct	REMARKS	
		MIN	1-8-5	MAX			Prior 1 Oct	After 1 Oct				
												1
1	Ultra Electronics(TRC-190), Quebec, Canada	1	10	80		1	Initial	0	3	12	15	
							Reorder	0	3	12	15	
2	GDC4S - BITS/BVTC, Taunton, MA	1	14	30		2	Initial	0	3	6	9	
							Reorder	0	3	6	9	
3	GDC4S- BITS/BVTC Retrofit, Taunton, MA	1	14	30			Initial	0	3	6	9	
							Reorder	0	3	6	9	
4	COMTECH-TRC-170, Orlando, FL	1	30	30		3	Initial	0	3	6	9	
							Reorder	0	3	6	9	
						4	Initial	0	3	4	7	
							Reorder	0	3	3	6	
						5	Initial	0	3	6	9	
							Reorder	0	3	6	9	

<b>FY 11 / 12 BUDGET PRODUCTION SCHEDULE</b>	P-1 ITEM NOMENCLATURE WIN-T - ACUS MODS (BW7130)	Date: May 2009
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COST ELEMENTS						Fiscal Year 11												Fiscal Year 12												Later
M F R	FY	S E R V	PROC QTY Each	ACCEP PRIOR TO 1 OCT	BAL DUE AS OF 1 OCT	Calendar Year 11												Calendar Year 12												
						O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	
AN/TRC-190 (HCLOS) Base																														
1	FY 09	A	85	85																									0	
AN/TRC-190 (HCLOS) Sup																														
1	FY 09	A	242	40	202	20	20	20	20	20	20	20	20	20	22														0	
AN/TYQ-122 (BITS/BVTC) Retrofit Base																														
3	FY 09	A	122	122																									0	
3	FY 10	A	66	20	46	10	10	10	10	6																			0	
AN/TYQ-122 (BITS/BVTC) Retrofit Sup																														
3	FY 09	A	123	96	27	12	15																						0	
AN/TYQ-122 (BITS/BVTC) Base																														
2	FY 09	A	14	14																									0	
AN/TYQ-122 (BITS/BVTC) Sup																														
2	FY 09	A	2	2																									0	
AN/TRC-170 (TROPOSCATTER) Upgrade Sup																														
4	FY 09	A	5	5																									0	
AN/UXC-10(FAX) Base																														
						O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	

M F R	Name - Location	PRODUCTION RATES			Reached D+	MFR	ADMIN LEAD TIME		MFR After 1 Oct	TOTAL After 1 Oct	REMARKS	
		MIN	1-8-5	MAX			Prior 1 Oct	After 1 Oct				
		1	Initial	0			3	12	15			
1	Ultra Electronics(TRC-190), Quebec, Canada	1	10	80		1	Initial	0	3	12	15	
							Reorder	0	3	12	15	
2	GDC4S - BITS/BVTC, Taunton, MA	1	14	30		2	Initial	0	3	6	9	
							Reorder	0	3	6	9	
3	GDC4S- BITS/BVTC Retrofit, Taunton, MA	1	14	30			Initial	0	3	6	9	
							Reorder	0	3	6	9	
4	COMTECH-TRC-170, Orlando, FL	1	30	30		3	Initial	0	3	6	9	
							Reorder	0	3	6	9	
						4	Initial	0	3	4	7	
							Reorder	0	3	3	6	
						5	Initial	0	3	6	9	
							Reorder	0	3	6	9	

**FY 11 / 12 BUDGET PRODUCTION SCHEDULE**

P-1 ITEM NOMENCLATURE  
WIN-T - ACUS MODS (BW7130)

Date: May 2009

COST ELEMENTS						Fiscal Year 11												Fiscal Year 12												Later							
MFR	FY	S E R V	PROC QTY Each	ACCEP PRIOR TO 1 OCT	BAL DUE AS OF 1 OCT	Calendar Year 11												Calendar Year 12																			
						O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P								
5	FY 09	A	779	520	259	65	65	65	64																												
5	FY 10	A	87	0	87			A							7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	10				0		
Total						621	107	110	95	94	26	20	20	20	20	29	7	7	7	7	7	7	7	7	7	7	7	7	10								
						O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P								

MFR	Name - Location	PRODUCTION RATES			Reached D+	MFR	ADMIN LEAD TIME		MFR After 1 Oct	TOTAL After 1 Oct	REMARKS	
		MIN	1-8-5	MAX			Prior 1 Oct	After 1 Oct				
1	Ultra Electronics(TRC-190), Quebec, Canada	1	10	80		1	Initial	0	3	12	15	
							Reorder	0	3	12	15	
2	GDC4S - BITS/BVTC, Taunton, MA	1	14	30		2	Initial	0	3	6	9	
3	GDC4S- BITS/BVTC Retrofit, Taunton, MA	1	14	30			Reorder	0	3	6	9	
4	COMTECH-TRC-170, Orlando, FL	1	30	30		3	Initial	0	3	6	9	
5	GDC4S-AN/UXC-10, Taunton, MA	1	70	70			Reorder	0	3	6	9	
						4	Initial	0	3	4	7	
							Reorder	0	3	3	6	
						5	Initial	0	3	6	9	
							Reorder	0	3	6	9	

<b>Exhibit P-40, Budget Item Justification Sheet</b>						Date: May 2009
Appropriation / Budget Activity / Serial No: Other Procurement, Army / 2 / Communications and Electronics Equipment				P-1 Item Nomenclature JCSE EQUIPMENT (USREDCOM) (BB5777)		
Program Elements for Code B Items:		Code:	Other Related Program Elements:			
	Prior Years	FY 2008	FY 2009	FY 2010	To Complete	Total Prog
Proc Qty						
Gross Cost	135.9	4.0	4.1	5.3	Continuing	Continuing
Less PY Adv Proc						
Plus CY Adv Proc						
Net Proc P1	135.9	4.0	4.1	5.3	Continuing	Continuing
Initial Spares						
Total Proc Cost	135.9	4.0	4.1	5.3	Continuing	Continuing
Flyaway U/C						
Weapon System Proc U/C					Continuing	Continuing
<b>Description:</b> The Joint Communications Support Element (JCSE is a unique, completely mobile, multi-service communications unit. It is designed to meet the simultaneous communication requirements for two deployed Joint Task Force (JTF) Headquarters and two deployed Joint Special Operation Task Forces (JSOTF) Headquarters as defined by the communication architecture contained in the Chairman, Joint Chiefs of Staff (JCS) Manual 6231. JCSE equipment requirements are validated by the Joint Forces Command and approved by the Joint Chiefs of Staff, the Combatant Commanders, Services and other Defense Agencies.						
<b>Justification:</b> FY2010 procures equipment based on IAW Strategic Planning Guidance; which includes major upgrades to mobile satellite systems, commercial off the shelf (COTS) equipment, network equipment and COMSEC necessary to meet the conversion from circuit based to IP based terminals by 2011. All procurements meet the requirements of the DISA Global Information Grid Master Plan.						



<b>Exhibit P-5, Weapon OPA2 Cost Analysis</b>		Appropriation/Budget Activity/Serial No: Other Procurement, Army / 2 / Communications and Electronics Equipment			P-1 Line Item Nomenclature: JCSE EQUIPMENT (USREDCOM) (BB5777)			Weapon System Type:		Date: May 2009	
<b>OPA2 Cost Elements</b>		ID	<b>FY 08</b>			<b>FY 09</b>			<b>FY 10</b>		
		CD	Total Cost	Qty	Unit Cost	Total Cost	Qty	Unit Cost	Total Cost	Qty	Unit Cost
			\$000	Each	\$000	\$000	Each	\$000	\$000	Each	\$000
(JCSE)			2057			4114			5259		
<b>Total:</b>			<b>2057</b>			<b>4114</b>			<b>5259</b>		

<b>Exhibit P-40, Budget Item Justification Sheet</b>					Date: May 2009	
Appropriation / Budget Activity / Serial No: Other Procurement, Army / 2 / Communications and Electronics Equipment				P-1 Item Nomenclature DEFENSE ENTERPRISE WIDEBAND SATCOM SYSTEMS (SPACE) (BB8500)		
Program Elements for Code B Items:		Code:	Other Related Program Elements:			
	Prior Years	FY 2008	FY 2009	FY 2010	To Complete	Total Prog
Proc Qty						
Gross Cost	2997.9	133.9	69.7	145.1	Continuing	Continuing
Less PY Adv Proc						
Plus CY Adv Proc						
Net Proc P1	2997.9	133.9	69.7	145.1	Continuing	Continuing
Initial Spares						
Total Proc Cost	2997.9	133.9	69.7	145.1	Continuing	Continuing
Flyaway U/C						
Weapon System Proc U/C					Continuing	Continuing
<b>Description:</b> The Defense Enterprise Wideband SATCOM Systems (DEWSS) provides super high frequency (SHF) wideband and anti-jam (AJ) satellite communications supporting critical national strategic and tactical Command, Control, Communications and Intelligence (C3I) requirements. It must be survivable during trans- and post- nuclear attack to support communications essential to national survival. The DEWSS and the future Wideband Global Satellite (WGS) supports the Army Warfighter as well as the unique and vital Department of Defense (DOD) and non-DOD users, as approved by the Joint Staff and/or Secretary of Defense (SECDEF). The DEWSS/WGS will be used in conjunction with the Terrestrial Transmissions of the Defense Information System Network (DISN) and other communications systems to provide end-to-end communications and the long-haul connectivity the Warfighter needs for both tactical reachback and strategic communications. These programs provide the critical bandwidth required for the Global Information Grid (GIG) by developing and fielding communications systems capable of overcoming existing and projected bandwidth constraints. DEWSS/WGS will provide long-haul service between the Continental United States (CONUS) and overseas locations. This program is designated as a DoD Space program.						
<b>Justification:</b> FY 2010 base funding of \$146.088 million procures the Wideband Satellite Operations Center (WSOC) Relocation Starter Kit, the Patch Test Facility (PTF), starts the Wideband SATCOM Trend Analysis and Anomaly Resolution Subsystem (WSTARS) and continues the Joint Management Operations System (JMOS) software efforts. Funding also procures the upgrades for the Direct Communications Link (DCL) between the President of the United States and leaders from Russia/Ukraine/Belarus/Kazakhstan to assure communications for arms control & disarmament and treaty verification and the required system engineering and logistics support of the JRSC program. In addition, funding procures the Modernization of Enterprise Terminals (MET) systems, the required engineering support and initiates the fielding of the MET terminals and procures the minimum sustainment of baseband racks and their integration into the DEWSS. Funding supports the Defense Information Agency (DISA) and Joint Chiefs of Staff (JCS) directed satellite ground terminal relocations to uphold the realignment of US forces worldwide and completes the installation of the KaSTARS System and the associated engineering support. Lastly, funding procures program management support for Active, Reserve and National Guard New Equipment Training, equipment integration & fielding of upgraded AN/TSC-93E Terminals.						

<b>Exhibit P-5, Weapon OPA2 Cost Analysis</b>		Appropriation/Budget Activity/Serial No: Other Procurement, Army / 2 / Communications and Electronics Equipment			P-1 Line Item Nomenclature: DEFENSE ENTERPRISE WIDEBAND SATCOM SYSTEMS (SPACE) (BB8500)			Weapon System Type:		Date: May 2009	
<b>OPA2 Cost Elements</b>		ID	<b>FY 08</b>			<b>FY 09</b>			<b>FY 10</b>		
		CD	Total Cost	Qty	Unit Cost	Total Cost	Qty	Unit Cost	Total Cost	Qty	Unit Cost
			\$000	Each	\$000	\$000	Each	\$000	\$000	Each	\$000
ENTERPRISE WIDEBAND SAT TERM DIGITAL EQ			40533			26258			44457		
ENTERPRISE WIDEBAND INTERCONNECT FAC			7791			4421			7913		
WIDEBAND JAM RESISTANT SECURE COMM			32098			1596			1907		
ENTERPRISE WIDEBAND SAT PAY CONTROL SYS			21150			15874			36395		
ENTERPRISE WIDEBAND SATELLITE TERM MODS			8824			10516			38883		
SPECIAL COMMUNICATIONS LINKS PROGRAM			4100			1178			1500		
ENTERPRISE WIDEBAND SAT TERM - KaSTARS			14969			9053			1673		
GMF ENHANCEMENT			4472			784			13360		
<b>Total:</b>			<b>133937</b>			<b>69680</b>			<b>146088</b>		

<b>Exhibit P-40, Budget Item Justification Sheet</b>						Date: May 2009
Appropriation / Budget Activity / Serial No: Other Procurement, Army / 2 / Communications and Electronics Equipment				P-1 Item Nomenclature GMF Enhancement (B08701)		
Program Elements for Code B Items:		Code:	Other Related Program Elements:			
	Prior Years	FY 2008	FY 2009	FY 2010	To Complete	Total Prog
Proc Qty		23	1	4		28
Gross Cost	53.8	4.5	0.8	12.4		71.5
Less PY Adv Proc						
Plus CY Adv Proc						
Net Proc P1	53.8	4.5	0.8	12.4		71.5
Initial Spares						
Total Proc Cost	53.8	4.5	0.8	12.4		71.5
Flyaway U/C						
Weapon System Proc U/C		0.2	0.8	3.1		4.1
<b>Description:</b>						
<p>The AN/TSC-85D and AN/TSC-93D Tactical Satellite (TACSAT) Service Life Extension Program (SLEP) and Upgrade Program is required to meet the current communications requirements of the Warfighter within the Ground Mobile Forces (GMF) segment of the Defense Satellite Communications Systems (DSCS)/Wideband Global Satellite (WGS) and is required to insure TACSAT Operational Readiness until FY 2018. The Upgraded Terminals will provide the deployed Warfighters the ability to take advantage of the X-band satellite connectivity and to provide the means for the GMF ground segment to pass effective data rates and establish effective user communication networks. These Upgraded TACSAT Terminals will support the increased communications requirements of the Combatant Commanders.</p> <p>The AN/TSC-93E Tactical Satellite Upgrade Program is a Service Life Extension Program (SLEP), directed by Army to meet the current communications requirements of the Warfighter within the Ground Mobile Forces (GMF) segment of the Defense Satellite Communications System (DSCS)/Wideband Global Satellite (WGS) and is required to insure TACSAT operational readiness until the deployment of the Army's new objective system. The upgrade program will be extended during FY10-15 to an AN/TSC-93E, replacing the existing D Mod. This new upgrade will extend the service life of the TACSAT terminals to 2025 to offset the current development and fielding schedule of the objective system. Upgraded terminals will provide the deployed Warfighter the ability to take advantage of satellite connectivity and to provide the means for the GMF ground segment to pass effective data rates and establish user communications networks. Upgraded terminals will support the increased communications requirements of the Combatant Commanders. It will be deployed as a spoke but will be hub adaptable. The 93E will provide an up armored vehicle configuration. This configuration consist of an antenna pallet housing the AS-3036D antenna mounted on an uparmored M1152 DI vehicle towing a M1102 trailer. The M1102 transports two MEP-803A generators an SN-571 sink box, and a 25 gallon fuel cell. A second M1152A1 vehicle will tow a fifth wheel commercial trailer transporting the AN/TSC 93E S250 shelter.</p>						
<b>Justification:</b>						
<p>FY 2010 procures equipment integration &amp; fielding of upgraded AN/TSC-93E Terminals in support of Active, Reserve and National Guard New Equipment Training. Also provides project management for AN/TSC-93D and AN/TSC-85D.</p> <p>FY08/09/10 is for Active component.</p>						

<b>Exhibit P-40M, Budget Item Justification Sheet</b>	Date: May 2009
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Appropriation / Budget Activity / Serial No: Other Procurement, Army / 2 / Communications and Electronics Equipment	P-1 Item Nomenclature GMF Enhancement (B08701)
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Program Elements for Code B Items:	Code:	Other Related Program Elements:
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Description		Fiscal Years				
OSIP No.	Classification	2008 & PR	FY 2009	FY 2010	TC	Total
AN/TSC-85D/93D Modernization						
0-00-00-0000		32.4	0.8	0.0	0.0	33.2
AN/TSC-93E						
0-00-00-0000		0.0	0.0	13.4	0.0	13.4
Totals		32.4	0.8	13.4	0.0	46.6

**INDIVIDUAL MODIFICATION**

Date: May 2009

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

MODELS OF SYSTEM AFFECTED: AN/TSC-85/93

**DESCRIPTION / JUSTIFICATION:**

The AN/TSC-85D and AN/TSC-93D Tactical Satellite (TACSAT) Service Life Extension Program (SLEP) and Upgrade Program is required to meet the current communications requirements of the Warfighter within the Ground Mobile Forces (GMF) segment of the Defense Satellite Communications Systems (DSCS) and is required to insure TACSAT Operational Readiness until FY2018. The Upgraded Terminals will provide the deployed Warfighters the ability to take advantage of the satellite connectivity and to provide the means for the GMF ground segment to pass effective data rates and establish effective user communication networks. These Upgraded TACSAT Terminals will support the increased communications requirements of the Combatant Commanders. FY2010 provides Program Management support for Unit New Equipment Training and Fielding.

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

FY2010 funding provides Program Management support for Active National Guard and Reserves New Equipment Training and fielding of upgraded AN/TSC-85D and AN/TSC-93D terminals.

**Installation Schedule**

Pr Yr Totals	FY 2009				FY 2010				FY 2011				FY 2012				FY 2013			
	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4
Inputs	177																			
Outputs	177																			

  

1	2	3	4	FY 2014				FY 2015				FY 2016				FY 2017				To Complete	Totals
				1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4		
Inputs																					177
Outputs																					177

METHOD OF IMPLEMENTATION: MWO ADMINISTRATIVE LEADTIME: 4 months PRODUCTION LEADTIME: 8 months  
 Contract Dates: FY 2010 - Feb 06 FY 2011 - Feb 07 FY 2012 - Feb 08  
 Delivery Dates: FY 2010 - Oct 06 FY 2011 - Oct 07 FY 2012 - Oct 08

**INDIVIDUAL MODIFICATION**

Date: May 2009

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

FINANCIAL PLAN: (\$ in Millions)

	FY 2008 and Prior		2009		2010		TC		Total	
	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$
	<b>Hardware</b>									
Enhanced Tactical SSP	179	5.0							179	5.0
TYAD Kits	128	3.2							128	3.2
High Voltage Power Supplu	179	4.9							179	4.9
AS-3036	128	2.9							128	2.9
Replacement FM Orderwire	203	6.6							203	6.6
Non-recurring Engineering										
Documentation		1.3								1.3
Test										
Training		0.7								0.7
Total Pkg Fielding		0.4								0.4
Govt/Contractor Support		4.3		0.8						5.1
<b>Installation of Hardware</b>										
FY 2007 & Prior Equip -- Kits	247	2.7							247	2.7
FY 2008 -- Kits	42								42	
FY 2006	70	0.4							70	0.4
FY 2007	42								42	
Total Installment	401	3.1	0	0.0	0	0.0	0	0.0	401	3.1
Total Procurement Cost		32.4		0.8		0.0		0.0		33.2

**INDIVIDUAL MODIFICATION**

Date: May 2009

MODIFICATION TITLE: AN/TSC-93E [MOD 2] 0-00-00-0000

MODELS OF SYSTEM AFFECTED:

DESCRIPTION / JUSTIFICATION:

The AN/TSC-93E Tactical Satellite Upgrade Program is a Service Life Extension Program (SLEP) required to meet the current communications requirements of the Warfighter within the Ground Mobile Forces (GMF) segment of the Defense Satellite Communications System (DSCS) and is required to insure TACSAT operational readiness until the deployment of the Army's new objective system. The upgrade program will be extended during FY10-15 to an AN/TSC-93E, replacing the existing D Mod. This new upgrade will extend the service life of the TACSAT terminals to 2025 to offset the current development and fielding schedule of the objective system. Upgraded terminals will provide the deployed Warfighter the ability to take advantage of satellite connectivity and to provide the means for the GMF ground segment to pass effective data rates and establish user communications networks. Upgraded terminals will support the increased communications requirements of the Combatant Commanders. The FY2010-2015 provides for the acquisition and program management for the new upgrade of the 93E programs.

The AN/TSC-93E Tactical Satellite Upgrade Program is a Service Life Extension Program (SLEP) required to meet the current communications requirements of the Warfighter within the Ground Mobile Forces (GMF) segment of the Defense Satellite Communications System (DSCS) and is required to insure TACSAT operational readiness until the deployment of the Army's new objective system. The upgrade program will be extended during FY10-15 to the AN/TSC-93E, replacing the existing D Mod. This new upgrade will extend the service life of the TACSAT terminals to 2025 to offset the current development and fielding schedule of the objective system. Upgraded terminals will provide the deployed Warfighter the ability to take advantage of satellite connectivity and to provide the means for the GMF ground segment to pass effective data rate.

DEVELOPMENT STATUS / MAJOR DEVELOPMENT MILESTONE(S):

The 93E will provide an up armored vehicle configuration. This configuration consist of an antenna pallet housing the AS-3036D antenna mounted on an uparmored M1152 DI vehicle towing a M1102 trailer. The M1102 transports two MEP-803A generators an SN-571 sink box, and a 25 gallon fuel cell. A second M1152A1 vehicle will tow a fifth wheel commercial trailer transporting the AN/TSC 93E S250 shelter.

Installation Schedule

	Pr Yr Totals	FY 2009				FY 2010				FY 2011				FY 2012				FY 2013			
		1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4
Inputs										5	5	5	5	5	5	5	5	5	5	5	5
Outputs										5	5	5	5	5	5	5	5	5	5	5	5
	FY 2014				FY 2015				FY 2016				FY 2017				To Complete	Totals			
	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4					
Inputs	5	5	5	5	5	5	5	6													101
Outputs	5	5	5	5	5	5	5	6													101

METHOD OF IMPLEMENTATION: MWO ADMINISTRATIVE LEADTIME: 4 months PRODUCTION LEADTIME: 8 months  
 Contract Dates: FY 2010 - Feb 2009 FY 2011 - Feb 2010 FY 2012 - Feb 2011  
 Delivery Dates: FY 2010 - Oct 2010 FY 2011 - Oct 2011 FY 2012 - Oct 2012



**INDIVIDUAL MODIFICATION**

Date: May 2009

MODIFICATION TITLE (cont): AN/TSC-93E [MOD 2] 0-00-00-0000

FINANCIAL PLAN: (\$ in Millions)

	FY 2008 and Prior		2009		2010		TC		Total	
	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$
	<b>RDT&amp;E</b>									
<b>Procurement</b>										
Kit Quantity										
Installation Kits, Nonrecurring										
Installation Kits										
Equipment					25	7.8			25	7.8
Equipment, Nonrecurring										
Engineering Change Orders										
Data										
Training Equipment										
Support Equipment										
Project Management					25	5.6			25	5.6
Interim Contractor Support										
<b>Installation of Hardware</b>										
FY 2007 & Prior Equip -- Kits										
FY 2008 -- Kits										
FY 2009 Equip -- Kits										
FY 2010 Equip -- Kits										
FY 2011 Equip -- Kits										
FY 2012 Equip -- Kits										
FY 2013 Equip -- Kits										
TC Equip- Kits										
FY 2014 Equip -- Kits										
Total Installment	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
Total Procurement Cost		0.0		0.0		13.4		0.0		13.4

<b>Exhibit P-40, Budget Item Justification Sheet</b>						Date: May 2009
Appropriation / Budget Activity / Serial No: Other Procurement, Army / 2 / Communications and Electronics Equipment				P-1 Item Nomenclature Special Communications Links Program (B08900)		
Program Elements for Code B Items:		Code:	Other Related Program Elements:			
	Prior Years	FY 2008	FY 2009	FY 2010	To Complete	Total Prog
Proc Qty						
Gross Cost	11.1	4.1	1.2	1.5	Continuing	Continuing
Less PY Adv Proc						
Plus CY Adv Proc						
Net Proc P1	11.1	4.1	1.2	1.5	Continuing	Continuing
Initial Spares						
Total Proc Cost	11.1	4.1	1.2	1.5	Continuing	Continuing
Flyaway U/C						
Weapon System Proc U/C					Continuing	Continuing
<b>Description:</b> The Senior Leadership Communications (SNLC) program and the required modernization effort exists through a bilateral agreement for a 10-year user equipment modernization. This essential Priority 0 effort supports unique internal requirements that provide critical communications to support continuing peaceful relations between the United States President and Russia/Ukraine/Belarus/Kazakhstan leaders. The program includes the Direct Communications Link (DCL), Continuous Communications Link (CCL) and the Government-to-Government Communications Link (GGCL). Communications are for diplomatic peacekeeping, arms control and treaty verification purposes.						
<b>Justification:</b> FY 2010 base funding of \$1.499 million procures the upgrades for the Direct Communications Link (DCL) between the President of the United States and leaders from Russia/Ukraine/Belarus/Kazakhstan to assure communications for arms control & disarmament and treaty verification.  FUY08/09/10 is for Active component.						

<b>Exhibit P-40, Budget Item Justification Sheet</b>						Date: May 2009
Appropriation / Budget Activity / Serial No: Other Procurement, Army / 2 / Communications and Electronics Equipment				P-1 Item Nomenclature Wideband Jam Resistant Secure Communications (BA8300)		
Program Elements for Code B Items:		Code:	Other Related Program Elements:			
	Prior Years	FY 2008	FY 2009	FY 2010	To Complete	Total Prog
Proc Qty						
Gross Cost	567.1	32.1	1.6	1.9	Continuing	Continuing
Less PY Adv Proc						
Plus CY Adv Proc						
Net Proc P1	567.1	32.1	1.6	1.9	Continuing	Continuing
Initial Spares						
Total Proc Cost	567.1	32.1	1.6	1.9	Continuing	Continuing
Flyaway U/C						
Weapon System Proc U/C					Continuing	Continuing
<b>Description:</b> The Jam Resistant Secure Communications (JRSC) provides communications connectivity that will survive jamming and high altitude nuclear events which cause High-Altitude Electromagnetic Pulse (HEMP) and other perturbed atmospheric conditions. The other identified anti-jam systems have already been acquired. The AN/GSC-49 Service Life Extension Program (SLEP) will extend selected Nuclear Command, Control and Communications (C3) missions on legacy Defense Satellite Communications Systems (DSCS) JRSC resources to meet the communication requirements in support of National Defense. These terminals support the President, Combatant Commanders, Global Command and Control Systems (GCCS) requirements, various DoD agencies and Defense Information Systems Network (DISN) traffic.						
<b>Justification:</b> FY 2010 base funding of \$1.907 million procures the required system engineering and logistics support of the JRSC program. Presently there is no other capability available to support Nuclear Command, Control and Communications (C3) missions.						
FY08/09/10 is for Active component						

<b>Exhibit P-5, Weapon OPA2 Cost Analysis</b>		Appropriation/Budget Activity/Serial No: Other Procurement, Army / 2 / Communications and Electronics Equipment			P-1 Line Item Nomenclature: Wideband Jam Resistant Secure Communications (BA8300)			Weapon System Type:		Date: May 2009	
<b>OPA2 Cost Elements</b>		ID	<b>FY 08</b>			<b>FY 09</b>			<b>FY 10</b>		
		CD	Total Cost	Qty	Unit Cost	Total Cost	Qty	Unit Cost	Total Cost	Qty	Unit Cost
			\$000	Each	\$000	\$000	Each	\$000	\$000	Each	\$000
JRSC			1060			644			1107		
Upgrade AN/GSC-49			3500	3	1167						
MET NRE			16249								
Software			5300								
Restoral Terminal			2500	1	2500						
Government/Contractor Engineering Spt			475			625			500		
PM Admin			300			327			300		
GMF Enhancement			2714								
<b>Total:</b>			<b>32098</b>			<b>1596</b>			<b>1907</b>		

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

Date:  
May 2009

Appropriation/Budget Activity/Serial No: Other Procurement, Army/ 2/ Communications and Electronics Equipment			Weapon System Type:		P-1 Line Item Nomenclature: Wideband Jam Resistant Secure Communications (BA8300)					
WBS Cost Elements:	Contractor and Location	Contract Method and Type	Location of PCO	Award Date	Date of First Delivery	QTY Each	Unit Cost \$000	Specs Avail Now?	Date Revsn Avail	RFP Issue Date
<b>Upgrade AN/GSC-49</b>										
FY 2008	TYAD Tobyhanna, PA	WR	CECOM, Ft Monmouth, NJ	Mar 08	Jan 09			Yes		
FY 2009	TYAD Tobyhanna, PA	WR	CECOM, Ft Monmouth, NJ	Mar 09	Jan 10			Yes		
FY 2010	TYAD Tobyhanna, PA	WR	CECOM, Ft Monmouth, NJ	Mar 10	Jan 11			Yes		

REMARKS: TYAD - Tobyhanna Army Depot  
WR - Work Request

<b>Exhibit P-40, Budget Item Justification Sheet</b>	Date: May 2009
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Appropriation / Budget Activity / Serial No: Other Procurement, Army / 2 / Communications and Electronics Equipment	P-1 Item Nomenclature Enterprise Wideband Satellite Terminal - (Mod) (BB8416)
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Program Elements for Code B Items:	Code:	Other Related Program Elements:
------------------------------------	-------	---------------------------------

	Prior Years	FY 2008	FY 2009	FY 2010	To Complete	Total Prog
Proc Qty		3	4	5		12
Gross Cost	607.0	8.8	10.5	38.9	Continuing	Continuing
Less PY Adv Proc						
Plus CY Adv Proc						
Net Proc P1	607.0	8.8	10.5	38.9	Continuing	Continuing
Initial Spares						
Total Proc Cost	607.0	8.8	10.5	38.9	Continuing	Continuing
Flyaway U/C						
Weapon System Proc U/C		2.9	2.6	7.8	Continuing	Continuing

**Description:**  
The Modernization of Enterprise Terminals (MET) program is a complete modernization of Fixed X-Band Enterprise Terminals. The program will extend the life of the Enterprise Terminal Family beyond 2025, reduce Life Cycle Costs and support Enterprise requirements on the Wideband Global Satellite (WGS), Defense Satellite Communications System (DSCS) and XTAR satellites. The MET program will be a family of Satellite Communications Earth terminals. Modular design using commercial of the shelf (COTS) systems to maximum extent possible, will enable MET to be tailored to a wide variety of requirements and applications.

**Justification:**  
FY 2010 base funding of \$38.883 million procures Modernization of Enterprise Terminals (MET) systems, the required engineering support and initiates the fielding of the MET terminals.

FY08/09/10 is for Active component.

<b>Exhibit P-40M, Budget Item Justification Sheet</b>	Date: May 2009
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Appropriation / Budget Activity / Serial No: Other Procurement, Army / 2 / Communications and Electronics Equipment	P-1 Item Nomenclature Enterprise Wideband Satellite Terminal - (Mod) (BB8416)
--	--

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

Description		Fiscal Years				
OSIP No.	Classification	2008 & PR	FY 2009	FY 2010	TC	Total
AN/GSC-52 Modernization						
1-89-07-0030		552.5	0.0	0.0	0.0	552.5
Modernization of Enterprise Terminals (MET)						
0-00-00-0000		8.8	10.5	38.9	0.0	58.2
Totals		561.3	10.5	38.9	0.0	610.7

**INDIVIDUAL MODIFICATION**

Date: May 2009

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

MODELS OF SYSTEM AFFECTED: AN/GSC-52

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

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

Installation Schedule

Pr Yr	FY 2009				FY 2010				FY 2011				FY 2012				FY 2013			
	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4
Totals	39																			
Inputs																				
Outputs																				

  

FY 2014	FY 2015				FY 2016				FY 2017				To Complete	Totals		
	1	2	3	4	1	2	3	4	1	2	3	4				
Inputs																
Outputs																

METHOD OF IMPLEMENTATION: MWO ADMINISTRATIVE LEADTIME: 3 months PRODUCTION LEADTIME: 30 months  
 Contract Dates: FY 2010 - FY 2011 - FY 2012 -  
 Delivery Dates: FY 2010 - FY 2011 - FY 2012 -



**INDIVIDUAL MODIFICATION**

Date: May 2009

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

FINANCIAL PLAN: (\$ in Millions)

	FY 2008 and Prior		2009		2010		TC		Total	
	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$
	Up/Down Converters		31.4							
Restoral Terminals	4	5.2							4	5.2
Installation Kits (Recur)										
- Fixed	33	30.6							33	30.6
- Vanized	6	7.0							6	7.0
Non-Recurring Engineering		5.9								5.9
Engineering Change Orders		4.0								4.0
Antenna Modernization		4.1								4.1
Data/Documentation		4.1								4.1
Testing/TMDE		3.6								3.6
Training		1.1								1.1
FY 2011 Equip -- Kits										
FY 2012 Equip -- Kits										
Project Mgmt Admin		6.3								6.3
Government Support		22.6								22.6
Software Development/PPSS		11.4								11.4
CMA Retrofit Kits	46	6.9							46	6.9
Retrofit Hardware		19.9								19.9
HT/MT Program	62	310.7							62	310.7
<b>Installation of Hardware</b>										
FY 2007 & Prior Equip -- Kits	39	24.3							39	24.3
FY 2008 -- Kits										
FY 2009 Equip -- Kits		11.7								11.7
FY 2010 Equip -- Kits		15.0								15.0
FY 2009 Equip -- Kits		11.7								11.7
FY 2010 Equip -- Kits		15.0								15.0
<b>Total Installment</b>	<b>39</b>	<b>77.7</b>	<b>0</b>	<b>0.0</b>	<b>0</b>	<b>0.0</b>	<b>0</b>	<b>0.0</b>	<b>39</b>	<b>77.7</b>
<b>Total Procurement Cost</b>		<b>552.5</b>		<b>0.0</b>		<b>0.0</b>		<b>0.0</b>		<b>552.5</b>

**INDIVIDUAL MODIFICATION**

Date: May 2009

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

MODELS OF SYSTEM AFFECTED:

DESCRIPTION / JUSTIFICATION:

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

DEVELOPMENT STATUS / MAJOR DEVELOPMENT MILESTONE(S):

Installation Schedule

Pr Yr Totals	FY 2009				FY 2010				FY 2011				FY 2012				FY 2013			
	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4
Inputs												1			2		2			2
Outputs														1			2		2	

  

1	FY 2014			FY 2015				FY 2016				FY 2017				To Complete	Totals
	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4		
Inputs			3				4				6				6		26
Outputs	2				3				4				6			6	26

METHOD OF IMPLEMENTATION: MWO      ADMINISTRATIVE LEADTIME: 12 months      PRODUCTION LEADTIME: 12 months  
 Contract Dates: FY 2010 - Sep 10      FY 2011 - Sep 11      FY 2012 - Sep 12  
 Delivery Dates: FY 2010 - Sep 11      FY 2011 - Sep 12      FY 2012 - Sep 13

**INDIVIDUAL MODIFICATION**

Date: May 2009

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

FINANCIAL PLAN: (\$ in Millions)

	FY 2008 and Prior		2009		2010		TC		Total	
	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$
	<b>Hardware</b>									
<b>X-Band Terminals</b>	1	3.4	2	6.3	4	12.0			7	21.7
Dual-Band Terminals					4	15.3			4	15.3
Restoral Terminals	1	2.8			1	2.8			2	5.6
Software Enchancements						2.8				2.8
ECOs		0.3		1.6		2.5				4.4
Site Prep				0.2		1.0				1.2
In-House Sys Prog Mgt		2.3		2.4		2.5				7.2
<b>Installation of Hardware</b>										
FY 2008 -- Kits										
FY 2009 Equip -- Kits										
FY 2010 Equip -- Kits										
FY 2011 Equip -- Kits										
FY 2012 Equip -- Kits										
FY 2013 Equip -- Kits										
FY 2014 Equip -- Kits										
Total Installment	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
Total Procurement Cost		8.8		10.5		38.9		0.0		58.2

<b>Exhibit P-40, Budget Item Justification Sheet</b>						Date: May 2009
Appropriation / Budget Activity / Serial No: Other Procurement, Army / 2 / Communications and Electronics Equipment				P-1 Item Nomenclature Enterprise Wideband Satellite Terminal Digital EQ (BB8501)		
Program Elements for Code B Items:		Code:	Other Related Program Elements:			
	Prior Years	FY 2008	FY 2009	FY 2010	To Complete	Total Prog
Proc Qty		20	7	11		38
Gross Cost	570.3	40.5	26.3	44.5	Continuing	Continuing
Less PY Adv Proc						
Plus CY Adv Proc						
Net Proc P1	570.3	40.5	26.3	44.5	Continuing	Continuing
Initial Spares						
Total Proc Cost	570.3	40.5	26.3	44.5	Continuing	Continuing
Flyaway U/C						
Weapon System Proc U/C		2.0	3.8	4.0	Continuing	Continuing
<b>Description:</b> The Digital Communications Satellite Subsystem (DCSS) is the diverse array of baseband equipment found at nearly every Department of Defense (DoD) fixed earth terminal site operating with the Defense Enterprise Wideband SATCOM Systems (DEWSS) X-band satellites. When the Wideband Gapfiller System (WGS) satellites are launched, the DCSS role will further expand. The DEWSS and future WGS are integral parts of the Global Information Grid (GIG). The Army DEWSS and WGS programs are responsible for procuring the ground segment portion of all Army strategic satellite communications systems. The DCSS is a key element of the Standardized Tactical Entry Point (STEP) and DoD Teleport sites that provide the deployed Warfighters with global connectivity with each other and with every echelon of command, including strategic commanders, combatant commanders, the Pentagon and reach-back to their sustaining bases. DCSS equipment accepts voice frequency and digital data from terrestrial networks, telephone switches and microwave systems, including those providing access to the Defense Information System Network (DISN) services. The DCSS aggregates and converts such data into signals suitable for transmission via earth terminals to geosynchronous satellites for worldwide distribution. The multiplexing, modulation, coding, transmission security and anti-jamming equipment which comprises the DCSS is mounted in standard modular rack configurations that can be installed in various combinations to serve the specific communications mission of each earth terminal complex. The DCSS racks are housed in buildings or in transportable vans at sites worldwide. The DCSS includes both manual and automated patching facilities to ensure flexible and efficient utilization of both ground equipment and satellite resources. Since its inception in 1977, the DCSS has continually evolved to counter obsolescence, accommodate increased traffic demand and implement new services required by the Warfighters. DCSS equipment now being phased in supports the objectives of Joint Vision 2020, the Global Information Grid (GIG) and the ongoing Global War on Terrorism. The DCSS will be a vital part of the Transformational Communications Program-SATCOM (TCP-SATCOM).						
<b>Justification:</b> FY 2010 base funding of \$44.457 million procures the minimum sustainment of baseband racks and their integration into the DEWSS. These racks support the Joint Chief of Staff (JCS) validated Combatant Commanders/Service long haul communication requirements and provide baseband equipment support for the Modernization of Enterprise Terminals (MET) program.  FY08/09/10 is for Active component.						

<b>OPA2 Cost Elements</b>		ID	<b>FY 08</b>			<b>FY 09</b>			<b>FY 10</b>		
		CD	Total Cost	Qty	Unit Cost	Total Cost	Qty	Unit Cost	Total Cost	Qty	Unit Cost
			\$000	Each	\$000	\$000	Each	\$000	\$000	Each	\$000
DCSS Equipment Racks and Fabrication			1800	30	60	1825	30	61	1860	30	62
EBEM			3200	400	8	3200	400	8			
DCSS Upgrades			1585			1768					
MIDAS			1250	4	313	1250	4	313			
MET Non-Recurring			24000								
MET						8865			10553		
Baseband (X-Band) Refresh			1817			3013			15812		
Baseband (Ka-Band) Refresh			1817			4370			14082		
ECOs			1000			567			550		
System Integration/Fielding Support			300			325			350		
Program Management Admin			1050			1075			1250		
GMF Enhancement			2714								
<b>Total:</b>			<b>40533</b>			<b>26258</b>			<b>44457</b>		

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

Date:  
May 2009

WBS Cost Elements:	Contractor and Location	Contract Method and Type	Location of PCO	Award Date	Date of First Delivery	QTY Each	Unit Cost \$000	Specs Avail Now?	Date Revsn Avail	RFP Issue Date
<b>Appropriation/Budget Activity/Serial No:</b> Other Procurement, Army/ 2/ Communications and Electronics Equipment		<b>Weapon System Type:</b>		<b>P-1 Line Item Nomenclature:</b> Enterprise Wideband Satellite Terminal Digital EQ (BB8501)						
<b>DCSS Equipment Racks and Fabrication</b>										
FY 2008	TYAD Tobyhanna, PA	WR	CECOM, Ft. Monmouth, NJ,	Nov 07	Dec 07	30	60	Yes		
FY 2009	TYAD Tobyhanna, PA	WR	CECOM, Ft Monmouth, NJ	Nov 08	Dec 08	30	61	Yes		
FY 2010	TYAD Tobyhanna, PA	WR	CECOM, Ft Monmouth, NJ	Nov 09	Dec 09	30	62	Yes		
<b>EBEM</b>										
FY 2008	ViaSat, Inc. Carlsbad, CA	C/FFP	CECOM, Ft Monmouth, NJ	Mar 08	May 09	400	8	Yes		
FY 2009	ViaSat, Inc. Carlsbad, CA	C/FFP	CECOM, Ft Monmouth, NJ	Mar 09	May 10	400	8	Yes		
<b>MIDAS</b>										
FY 2008	Raytheon Marlborough, MA	C/FFP	CECOM, Ft. Monmouth, NJ	Apr 08	Feb 09	4	313	Yes		
FY 2009	Raytheon Marlborough, MA	C/FFP	CECOM, Ft Monmouth, NJ	Apr 09	Feb 10	4	313	Yes		

REMARKS: REMARKS: TYAD - Tobyhanna Army Depot  
 FRHN - Fixed Regional Hub Node  
 ECOs - Engineering Change Order  
 WR -Work Request

<b>FY 09 / 10 BUDGET PRODUCTION SCHEDULE</b>	P-1 ITEM NOMENCLATURE Enterprise Wideband Satellite Terminal Digital EQ (BB8501)	Date: May 2009
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COST ELEMENTS						Fiscal Year 09											Fiscal Year 10											Later							
M F R	FY	S E R V	PROC QTY Units	ACCEP PRIOR TO 1 OCT	BAL DUE AS OF 1 OCT	Calendar Year 09											Calendar Year 10																		
						O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L		A U G	S E P					
DCSS Equipment Racks and Fabrication																																			
1	FY 08	A	30	0	30			3	3	3	3	3	3	3	3	3													0						
1	FY 09	A	30	0	30		A	3	3	3	3	3	3	3	3	3													0						
1	FY 10	A	30	0	30													A	3	3	3	3	3	3	3	3	3	3	0						
EBEM																																			
2	FY 08	A	400	0	400								80	80	80	80	80												0						
2	FY 09	A	400	0	400					A																80	80	80	80	80	0				
MIDAS																																			
3	FY 08	A	4	0	4					2	2																		0						
3	FY 09	A	4	0	4							A														2	2			0					
Total																																			
					898			6	6	8	8	6	86	86	86	86	86								3	3	5	5	3	83	83	83	83	83	
O C T N O V D E C J A N F E B M A R A P R M A Y J U N J U L A U G S E P O C T N O V D E C J A N F E B M A R A P R M A Y J U N J U L A U G S E P																																			

M F R	Name - Location	PRODUCTION RATES			Reached D+	MFR	ADMIN LEAD TIME		MFR After 1 Oct	TOTAL After 1 Oct	REMARKS
		MIN	1-8-5	MAX			Prior 1 Oct	After 1 Oct			
		1	Initial	0			0	0	0		
1	TYAD, Tobyhanna, PA	1	3	10		1	Initial	0	0	0	0
						1	Reorder	0	0	0	0
2	ViaSat, Inc., Carlsbad, CA	10	80	80		2	Initial	0	5	24	29
						2	Reorder	0	5	14	19
3	Raytheon, Marlborough, MA	1	2	4		3	Initial	0	11	8	19
						3	Reorder	0	6	10	16
							Initial				
							Reorder				
							Initial				
							Reorder				

<b>Exhibit P-40, Budget Item Justification Sheet</b>						Date: May 2009
Appropriation / Budget Activity / Serial No: Other Procurement, Army / 2 / Communications and Electronics Equipment				P-1 Item Nomenclature Enterprise Wideband Interconnect Facility (BB8504)		
Program Elements for Code B Items:		Code:	Other Related Program Elements:			
	Prior Years	FY 2008	FY 2009	FY 2010	To Complete	Total Prog
Proc Qty						
Gross Cost	229.3	7.8	4.4	7.9	Continuing	Continuing
Less PY Adv Proc						
Plus CY Adv Proc						
Net Proc P1	229.3	7.8	4.4	7.9	Continuing	Continuing
Initial Spares						
Total Proc Cost	229.3	7.8	4.4	7.9	Continuing	Continuing
Flyaway U/C						
Weapon System Proc U/C					Continuing	Continuing
<b>Description:</b> The Enterprise Wideband Interconnect Facility executes the Army's responsibility to install and relocate strategic Earth Terminals procured by Product Manager, Defense Communications and Army Transmission Systems (PM DCATS). For the Army, this program also designs, procures and installs the interconnect facility to interface the equipment with existing Technical Control and Special User Facilities.						
<b>Justification:</b> FY 2010 base funding of \$7.913 million procures the Defense Information Systems Agency (DISA) and Joint Chiefs of Staff (JCS) directed satellite ground terminal relocations to uphold the realignment of US forces worldwide. Installation of equipment provides the necessary reachback capabilities and secure satellite communications infrastructures for the deployed units supporting Operation Enduring and Iraqi Freedom. Changes in overseas manning, troop dispositions, and reachback requirements necessitate a flexibility in the deployment of the strategic ground resources.  FY08/09/10 is for Active component.						



<b>Exhibit P-5, Weapon OPA2 Cost Analysis</b>		Appropriation/Budget Activity/Serial No: Other Procurement, Army / 2 / Communications and Electronics Equipment			P-1 Line Item Nomenclature: Enterprise Wideband Interconnect Facility (BB8504)			Weapon System Type:		Date: May 2009	
<b>OPA2 Cost Elements</b>		ID	<b>FY 08</b>			<b>FY 09</b>			<b>FY 10</b>		
		CD	Total Cost	Qty	Unit Cost	Total Cost	Qty	Unit Cost	Total Cost	Qty	Unit Cost
			\$000	Units	\$000	\$000	Units	\$000	\$000	Units	\$000
Install, and Test			2000			1800			1500		
Deactivation/relocation			100			100			100		
Interconnect Facility Upgrades			293						250		
Site Engineering Support			800			500			800		
Bill of Materials/Supplies			50			50			50		
Project Management Administration			680			550			700		
Government Support			977			921			1000		
Site Preparation			177			500			1299		
Wideband Configuration Mgt System									2214		
GMF Enhancement			2714								
<b>Total:</b>			<b>7791</b>			<b>4421</b>			<b>7913</b>		

<b>Exhibit P-40, Budget Item Justification Sheet</b>						Date: May 2009
Appropriation / Budget Activity / Serial No: Other Procurement, Army / 2 / Communications and Electronics Equipment				P-1 Item Nomenclature Enterprise Wideband Sat Payload Control System (BB8509)		
Program Elements for Code B Items:		Code:	Other Related Program Elements:			
	Prior Years	FY 2008	FY 2009	FY 2010	To Complete	Total Prog
Proc Qty		4	4	40		48
Gross Cost	774.7	21.2	15.9	36.4	Continuing	Continuing
Less PY Adv Proc						
Plus CY Adv Proc						
Net Proc P1	774.7	21.2	15.9	36.4	Continuing	Continuing
Initial Spares						
Total Proc Cost	774.7	21.2	15.9	36.4	Continuing	Continuing
Flyaway U/C						
Weapon System Proc U/C		5.3	4.0	0.9	Continuing	Continuing
<b>Description:</b> The Enterprise Wideband Satellite Payload Control System provides for the management of Defense Satellite Communications System (DSCS) and Wideband Global SATCOM (WGS) earth terminal and satellite resources, which are required for rapid and efficient reaction to operational needs in support of the Warfighter. State-of-the-art strategic satellite payload network control and planning systems for use with DSCS, WGS, and commercial satellite systems are procured and installed at Wideband Satellite Operation Centers worldwide. Payload control functions control and configure the satellites. Network control functions manage communications between operators and processors, generate and drive display formats, and maintain and provide rapid access to the network databases. The Army's effort to digitize forces has created a tremendous increase in demand for bandwidth. The Enterprise Wideband Satellite Payload Control Subsystems ensure efficient use of satellite power and resources, overcoming existing and projected bandwidth constraints, and allow U.S. forces to achieve information superiority on the battlefield. Enterprise Wideband Satellite Payload Control Systems also provide reliable satellite communications networks to support unique user mission requirements vital to national security under stressed and unstressed conditions.						
<b>Justification:</b> FY 2010 base funding of \$36.395 million procures the Wideband Satellite Operations Center (WSOC) Relocation Starter Kit and the Patch Test Facility (PTF). It also starts the Wideband SATCOM Trend Analysis and Anomaly Resolution Subsystem (WSTARS) effort and continues the Joint Management Operations System (JMOS) software efforts. FY10 also procures software, engineering changes, system integration, program support, and security certification of current and prior year procurements. The WSOC Relocation Starter Kit provides the initial capability to perform wideband control functions at a new location without impacting on-going operations. The PTF provides essential control over circuits interconnecting the WSOC's internal subsystems with each other and with external facilities. WSTARS will provide updated software services and decision support capabilities allowing greater responsiveness to Warfighter needs. JMOS provides the integrated tools and dashboard views that enable efficient and effective communication performance of IP networks and monitors overall IP performance and status.  The WSOC Relocation Starter Kit is required to support upcoming Military Construction (MILCON) projects that begin in FY2010.  All funds for Active component.						

<b>OPA2 Cost Elements</b>		ID	<b>FY 08</b>			<b>FY 09</b>			<b>FY 10</b>		
		CD	Total Cost	Qty	Unit Cost	Total Cost	Qty	Unit Cost	Total Cost	Qty	Unit Cost
			\$000	Each	\$000	\$000	Each	\$000	\$000	Each	\$000
<b>Hardware:</b>											
JMOS			874	2	437						
RRFIS			4291	4	1073	1063	1	1063			
PTF									7444	9	827
WSOC Starter Kit									4790	1	4790
SOFTWARE			1981			2681			8217		
ECPs			2029			3041			2863		
Government Engineering			2192			2334			2565		
Contractor Engineering			1674			1726			1935		
System Integration			2662			3029			3916		
Documentation			429						827		
Fielding			1212			880			2703		
PM Admin			1091			1120			1135		
GMF Enhancements			2715								
<b>Total:</b>			<b>21150</b>			<b>15874</b>			<b>36395</b>		

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

Date:  
May 2009

Appropriation/Budget Activity/Serial No: Other Procurement, Army/ 2/ Communications and Electronics Equipment	Weapon System Type:	P-1 Line Item Nomenclature: Enterprise Wideband Sat Payload Control System (BB8509)								
WBS Cost Elements:	Contractor and Location	Contract Method and Type	Location of PCO	Award Date	Date of First Delivery	QTY Each	Unit Cost \$000	Specs Avail Now?	Date Revsn Avail	RFP Issue Date
<b>JMOS</b> FY 2008	CSC Eatontown, NJ	Option	CECOM, Fort Monmouth, NJ	Mar 08	Apr 09	2	437	Yes		
<b>RRFIS</b> FY 2008	JSEC Fort Monmouth, NJ	C/FP	CECOM, Ft. Monmouth, NJ	Aug 08	Oct 09	4	1073	Yes		
FY 2009	Harris Palm Bay, FL	C/FP	CECOM, Ft. Monmouth, NJ	Feb 09	Feb 10	1	1063	Yes		
<b>PTF</b> FY 2010	TBS 2 TBS 2	C/FP	CECOM, Ft. Monmouth, NJ	Jan 10	Jul 10	9	827	Yes		
<b>WSOC Starter Kit</b> FY 2010	TBS 4 TBS 4	C/FP	CECOM, Ft. Monmouth, NJ	Nov 09	Jul 10	1	4790	Yes		

REMARKS: JMOS - Joint Management Operations System  
 RRFIS - Replacement Radio Frequency Interconnecting System  
 PTF - Patch Test Facility  
 WSOC Starter Kit - Wideband SATCOM Starter Kit

<b>FY 08 / 09 BUDGET PRODUCTION SCHEDULE</b>	P-1 ITEM NOMENCLATURE Enterprise Wideband Sat Payload Control System (BB8509)	Date: May 2009
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MFR	COST ELEMENTS						Fiscal Year 08												Fiscal Year 09												Later		
	FY	S E R V	PROC QTY Units	ACCEP PRIOR TO 1 OCT	BAL DUE AS OF 1 OCT	Calendar Year 08												Calendar Year 09															
						O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P				
JMOS																																	
1	FY 08	A	2	0	2																												0
RRFIS																																	
2	FY 08	A	4	0	4											A																4	
3	FY 09	A	1	0	1																						A					1	
PTF																																	
4	FY 10	A	9	0	9																											9	
WSOC Starter Kit																																	
5	FY 10	A	1	0	1																											1	
Total																																	
					17																									1	1	15	

MFR	Name - Location	PRODUCTION RATES			Reached D+	MFR	ADMIN LEAD TIME		MFR After 1 Oct	TOTAL After 1 Oct	REMARKS	
		MIN	1-8-5	MAX			Prior 1 Oct	After 1 Oct				
		1	Initial	0			6	17	23			
1	CSC, Eatontown, NJ	1	1	1		1	Initial	0	6	17	23	
							Reorder	0	5	13	18	
2	JSEC, Fort Monmouth, NJ	1	1	1		2	Initial	0	10	14	24	
3	Harris, Palm Bay, FL	1	1	1			Reorder	0	0	0	0	
4	TBS 2, TBS 2	1	1	1		3	Initial	0	4	12	16	
5	TBS 4, TBS 4	1	1	1			Reorder	0	0	0	0	
						4	Initial	0	3	6	9	
							Reorder	0	0	0	0	
						5	Initial	0	1	8	9	
							Reorder	0	0	0	0	

<b>FY 10 / 11 BUDGET PRODUCTION SCHEDULE</b>	P-1 ITEM NOMENCLATURE Enterprise Wideband Sat Payload Control System (BB8509)	Date: May 2009
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COST ELEMENTS						Fiscal Year 10														Fiscal Year 11														Later
M F R	FY	S E R V	P R O C Q T Y  Units	A C C E P T I O N P R I O R  TO 1 O C T	B A L A N C E  A S O F 1 O C T	Calendar Year 10														Calendar Year 11														
						O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P					

<b>JMOS</b>																													
1	FY 08	A		2	2																								0
<b>RRFIS</b>																													
2	FY 08	A		4	0	4	1	1	1	1																			0
3	FY 09	A		1	0	1						1																	0
<b>PTF</b>																													
4	FY 10	A		9	0	9				A						1	1	1	1	1	1	1	1	1	1	1	1	1	0
<b>WSOC Starter Kit</b>																													
5	FY 10	A		1	0	1		A							1														0
<b>Total</b>																													
						15	1	1	1	1	1					2	1	1	1	1	1	1	1	1	1	1	1		
						O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P

M F R	Name - Location	PRODUCTION RATES				Reached D+	MFR	ADMIN LEAD TIME		MFR After 1 Oct	TOTAL After 1 Oct	REMARKS
		MIN	1-8-5	MAX	Prior 1 Oct			After 1 Oct				
		1	Initial	0	6			17	23			
1	CSC, Eatontown, NJ	1	1	1		1	Initial	0	6	17	23	
							Reorder	0	5	13	18	
2	JSEC, Fort Monmouth, NJ	1	1	1		2	Initial	0	10	14	24	
3	Harris, Palm Bay, FL	1	1	1		2	Reorder	0	0	0	0	
4	TBS 2, TBS 2	1	1	1		3	Initial	0	4	12	16	
5	TBS 4, TBS 4	1	1	1		3	Reorder	0	0	0	0	
						4	Initial	0	3	6	9	
						4	Reorder	0	0	0	0	
						5	Initial	0	1	8	9	
						5	Reorder	0	0	0	0	

<b>Exhibit P-40, Budget Item Justification Sheet</b>						Date: May 2009
Appropriation / Budget Activity / Serial No: Other Procurement, Army / 2 / Communications and Electronics Equipment				P-1 Item Nomenclature Enterprise Wideband Satellite Terminal - KaSTARS (BB8511)		
Program Elements for Code B Items:		Code:	Other Related Program Elements:			
	Prior Years	FY 2008	FY 2009	FY 2010	To Complete	Total Prog
Proc Qty						
Gross Cost	18.5	15.0	9.1	1.7	Continuing	Continuing
Less PY Adv Proc						
Plus CY Adv Proc						
Net Proc P1	18.5	15.0	9.1	1.7	Continuing	Continuing
Initial Spares						
Total Proc Cost	18.5	15.0	9.1	1.7	Continuing	Continuing
Flyaway U/C						
Weapon System Proc U/C					Continuing	Continuing
<b>Description:</b> The Wideband Gapfiller Satellite (WGS) program is required to meet the current and emerging communications requirements of the Warfighter and to augment the DSCS III/Service Life Extension Program (SLEP) Ground Communications System. The Ka-Band terminals will provide the deployed Warfighters the ability to take advantage of the increased satellite connectivity and provide the means for the WGS Control Segment to control Gapfiller payloads and user communications networks. The new Ka-Band terminals will support the increased communications requirements of the Combatant Commanders. This system will augment the long-haul transmission capabilities of the Defense Information Systems Network (DISN) which are vital to DoD and Non-DoD users worldwide.						
<b>Justification:</b> FY 2010 base funding of \$1.673 million procures the installation support of the KaSTARS System and funds the associated engineering support.  FY08/09/10 is for Active component.						

<b>Exhibit P-5, Weapon OPA2 Cost Analysis</b>	Appropriation/Budget Activity/Serial No: Other Procurement, Army / 2 / Communications and Electronics Equipment	P-1 Line Item Nomenclature: Enterprise Wideband Satellite Terminal - KaSTARS (BB8511)	Weapon System Type:	Date: May 2009
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OPA2 Cost Elements	ID	FY 08			FY 09			FY 10		
	CD	Total Cost	Qty	Unit Cost	Total Cost	Qty	Unit Cost	Total Cost	Qty	Unit Cost
		\$000	Units	\$000	\$000	Units	\$000	\$000	Units	\$000
KaSTARS ECOs		500			1610			336		
KaSTARS Site Prep & Installation		2989			5380			337		
MET Non-Recurring		7900			1000					
MET Program										
Government/Contractor Support		866			1063			1000		
GMF Enhancement		2714								
<b>Total:</b>		<b>14969</b>			<b>9053</b>			<b>1673</b>		



<b>Exhibit P-40, Budget Item Justification Sheet</b>					Date: May 2009	
Appropriation / Budget Activity / Serial No: Other Procurement, Army / 2 / Communications and Electronics Equipment				P-1 Item Nomenclature SHF TERM (BA9350)		
Program Elements for Code B Items:		Code: A	Other Related Program Elements:			
	Prior Years	FY 2008	FY 2009	FY 2010	To Complete	Total Prog
Proc Qty		25		38		63
Gross Cost	287.9	34.9	4.3	90.9		418.0
Less PY Adv Proc						
Plus CY Adv Proc						
Net Proc P1	287.9	34.9	4.3	90.9		418.0
Initial Spares						
Total Proc Cost	287.9	34.9	4.3	90.9		418.0
Flyaway U/C						
Weapon System Proc U/C		1.4		2.4		3.8
<b>Description:</b> SHF (Phoenix) terminal satisfies tactical, highly mobile, command and control, intelligence, fire support, air defense and logistics wideband communications requirements in support of Army and multi-service users. Fielding is to Active, Reserve and Guard Expeditionary Signal Battalions (ESBs), which allows legacy AN/TSC-85 and AN/TSC-93 SATCOM terminals to be cascaded to Guard and Reserve Signal Battalions. Terminals procured in FY04 and prior were integrated into M1113 Expanded Capability Vehicles (ECVs). Terminals procured in FY05 and beyond are being integrated into M1152 ECVs and Integrated Armor Package (IAP) M1152 ECVs. The final truck configuration will be fully armored. The Army decided to retire legacy AN/TSC-85 terminals by 2015 and replace them with SHF (Phoenix) terminals and upgrade all terminals from 20 to 50 million bits per second (Mbps) aggregate capacity to meet growing capacity demands. This program is designated as a DoD Space Program.						
<b>Justification:</b> FY2010 procures 17 Phoenix terminals and related items including New Equipment Training (NET), Quad-Band Satellite Emulators (QBSE), Government Furnished Equipment (GFE) and initial spares. FY2010 also procures 119 Mod Kits and 238 B2 Up-Armor Kits to upgrade 119 terminals to 50 Mbps capability and full armor. Eight of the 17 terminals procured are for a Grow The Army ESB, the other nine are for the AN/TSC-85 replacement effort. All procurements will be made in FY2010, the last year of the Super High Frequency (SHF) Terminal procurement contract. The SHF terminal provides a highly mobile, strategically transportable, wideband communications capability which significantly enhances the warfighter's intra- and inter-theater communications in support of Overseas Contingency Operations (OCO) and other tactical forces.						
	FY2008	FY2009	FY2010			
Active	29,727	4,285	90,918			
National Guard	5,174	0	0			

<b>OPA2 Cost Elements</b>		ID	<b>FY 08</b>			<b>FY 09</b>			<b>FY 10</b>		
		CD	Total Cost	Qty	Unit Cost	Total Cost	Qty	Unit Cost	Total Cost	Qty	Unit Cost
			\$000	Each	\$000	\$000	Each	\$000	\$000	Each	\$000
SHF Terminals		A	14756	10	1476	1532	1	1532	25280	17	1487
GFE			592			166			4585		
Data			654						1936		
Contractor Support			2733						2442		
Engineering Support			1353						1757		
Government Program Management			3176			663			4044		
Logistics/Fielding			1372			509			4844		
ECP			10070						2491		
"D" Model Mod Kits									33734		
ESB FIELDING			195			1415			9805		
HC3 Reprogramming											
<b>Total:</b>			<b>34901</b>			<b>4285</b>			<b>90918</b>		

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

Date:  
May 2009

Appropriation/Budget Activity/Serial No: Other Procurement, Army/ 2/ Communications and Electronics Equipment		Weapon System Type:	P-1 Line Item Nomenclature: SHF TERM (BA9350)							
WBS Cost Elements:	Contractor and Location	Contract Method and Type	Location of PCO	Award Date	Date of First Delivery	QTY Each	Unit Cost \$000	Specs Avail Now?	Date Revsn Avail	RFP Issue Date
<b>SHF Terminals</b>										
FY 2008	L3 Communications - West Salt Lake City, UT	C/FFP/OPT	CECOM-LCMC	Mar 08	May 09	2	1476	Yes		
FY 2008	L3 Communications - West Salt Lake City, UT	C/FFP/OPT	CECOM-LCMC	Aug 08	May 09	6	1476	Yes		
FY 2008	L3 Communications - West Salt Lake City, UT	C/FFP/OPT	CECOM-LCMC	Apr 09	Mar 10	2	1476	Yes		
FY 2009	L3 Communications - West Salt Lake City, UT	C/FFP/OPT	CECOM-LCMC	Apr 09	Apr 10	1	1532	Yes		
FY 2010	L3 Communications - West Salt Lake City, UT	C/FFP/OPT	CECOM-LCMC	Mar 10	May 11	17	1487	Yes		

REMARKS:

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

SHF Terminals																													
1	FY 08	A	2	0	2																							0	
1	FY 08	A	6	0	6									2	2	2												0	
1	FY 08	A	2	0	2								A											2			0		
1	FY 09	A	1	0	1							A													1		0		
1	FY 10	A	17	0	17																			A			17		
Total					28									4	2	2								3			17		
						OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP

MFR	Name - Location	PRODUCTION RATES			Reached D+	MFR 1	ADMIN LEAD TIME		MFR After 1 Oct	TOTAL After 1 Oct	REMARKS	
		MIN	1-8-5	MAX			Prior 1 Oct	After 1 Oct				
1	L3 Communications - West, Salt Lake City, UT	1	4	8		1	Initial	2	6	13	19	
							Reorder	5	6	14	20	
							Initial					
							Reorder					
							Initial					
							Reorder					
							Initial					
							Reorder					

**FY 11 / 12 BUDGET PRODUCTION SCHEDULE**

P-1 ITEM NOMENCLATURE  
SHF TERM (BA9350)

Date: May 2009

COST ELEMENTS						Fiscal Year 11														Fiscal Year 12														Later		
M F R	FY	S E R V	PROC QTY Units	ACCEP PRIOR TO 1 OCT	BAL DUE AS OF 1 OCT	Calendar Year 11														Calendar Year 12																
						O	N	D	J	F	M	A	M	J	J	A	S	O	N	D	J	F	M	A	M	J	J	A	S							
						C	O	E	A	E	A	A	U	U	U	E	C	O	V	E	A	E	A	A	A	U	U	U	E	P						
SHF Terminals																																				
1	FY 08	A	2	2																													0			
1	FY 08	A	6	6																													0			
1	FY 08	A	2	2																													0			
1	FY 09	A	1	1																													0			
1	FY 10	A	17	0	17								8	8	1																		0			
Total																																				
														8	8	1																				
							O	N	D	J	F	M	A	M	J	J	A	S	O	N	D	J	F	M	A	M	J	J	A	S						
							C	O	E	A	E	A	A	U	U	U	E	C	O	V	E	A	E	A	A	A	U	U	U	E	P					
							T	V	C	N	B	R	R	Y	N	L	G	P	T	V	C	N	B	R	R	Y	N	L	G	P						

M F R	Name - Location	PRODUCTION RATES			Reached D+	MFR	ADMIN LEAD TIME		MFR After 1 Oct	TOTAL After 1 Oct	REMARKS	
		MIN	1-8-5	MAX			Prior 1 Oct	After 1 Oct				
		1	Initial	Reorder			1	Initial	Reorder			
1	L3 Communications - West, Salt Lake City, UT	1	4	8		1	Initial	2	6	13	19	
							Reorder	5	6	14	20	
							Initial					
							Reorder					
							Initial					
							Reorder					
							Initial					
							Reorder					
							Initial					
							Reorder					

<b>Exhibit P-40, Budget Item Justification Sheet</b>						Date: May 2009
Appropriation / Budget Activity / Serial No: Other Procurement, Army / 2 / Communications and Electronics Equipment				P-1 Item Nomenclature SAT TERM, EMUT (SPACE) (K77200)		
Program Elements for Code B Items:		Code:	Other Related Program Elements:			
	Prior Years	FY 2008	FY 2009	FY 2010	To Complete	Total Prog
Proc Qty						
Gross Cost	166.1	13.2	0.8	0.7	Continuing	Continuing
Less PY Adv Proc						
Plus CY Adv Proc						
Net Proc P1	166.1	13.2	0.8	0.7	Continuing	Continuing
Initial Spares						
Total Proc Cost	166.1	13.2	0.8	0.7	Continuing	Continuing
Flyaway U/C						
Weapon System Proc U/C					Continuing	Continuing
<b>Description:</b>						
<p>The Enhanced Manpack UHF Terminal (i.e., EMUT and also known as Spitfire/Shadowfire) program replaces the existing inventory of single channel SATCOM radios to add embedded COMSEC and Demand Assigned Multiple Access (DAMA) capability to support all DoD, Special Operations Forces and other Agencies. The Spitfire/Shadowfire is a small, lightweight manpack radio that provides the reach-back capability between the forward deployed force and the Continental United States sustaining base required to support power projection. The Joint Staff has mandated that all UHF satellite manpack terminals be secure and have DAMA capability. The Army has designated the Spitfire/Shadowfire terminal as the standard UHF Satellite Terminal for the current force. The Spitfire/Shadowfire possesses the UHF DAMA capability which allows more efficient use of limited satellite resources. Additionally, the Spitfire/Shadowfire Terminal has been selected to provide Narrowband Range Extension of both voice and data to Mobile Tactical Vehicles. The unique Narrowband Range Extension capability, through the SATCOM-On-The-Move (SOTM) functionality, allows extension of both voice and data to occur in moving vehicular platforms (versus stationary). This system supports the Stryker Brigade Combat Team (SBCT). This program is considered a DoD Space Program.</p>						
<b>Justification:</b>						
FY2010 procures Demand Assigned Multiple Access (DAMA) training and PMO costs.						

<b>Exhibit P-40, Budget Item Justification Sheet</b>						Date: May 2009	
Appropriation / Budget Activity / Serial No: Other Procurement, Army / 2 / Communications and Electronics Equipment				P-1 Item Nomenclature NAVSTAR GLOBAL POSITIONING SYSTEM (SPACE) (K47800)			
Program Elements for Code B Items:		Code:	Other Related Program Elements:				
	Prior Years	FY 2008	FY 2009	FY 2010	To Complete	Total Prog	
Proc Qty	180265	46615	36569	29025	Continuing	Continuing	
Gross Cost	656.4	128.7	100.6	126.2	Continuing	Continuing	
Less PY Adv Proc							
Plus CY Adv Proc							
Net Proc P1	656.4	128.7	100.6	126.2	Continuing	Continuing	
Initial Spares							
Total Proc Cost	656.4	128.7	100.6	126.2	Continuing	Continuing	
Flyaway U/C							
Weapon System Proc U/C					Continuing	Continuing	
<b>Description:</b>							
<p>The Navstar Global Positioning System (GPS) is a passive, space-based, radio positioning and navigation system providing precise, three-dimensional position, navigation, velocity and timing information to warfighters. The Navstar GPS program is designated as a DoD Space Program and the United States Air Force (USAF) is the executive service. The Joint Program Office develops GPS User Equipment (PE 35164F) with direct Army management and participation. The Army's Navstar GPS program provides for management, procurement, fielding, and support of GPS User Equipment developed by and largely procured through the Joint Program Office. GPS User Equipment consists of a family of receivers supporting both handheld and host platform environments. GPS receivers provide critical information to commanders, staff and Soldiers enabling increased lethality, dominant maneuver, precision strike, situational awareness and information dominance/superiority functions that will enhance the technologies to support the future Army. GPS User Equipment includes Army aviation users, ground users and host vehicles. Current/Future GPS User Equipment will be in both handheld (Precision Lightweight GPS Receiver [PLGR] and Defense Advanced GPS Receiver [DAGR]) and platform embedded (GPS Receiver Applications Module [GRAM] applications.) The DAGR has been designated a Horizontal Technology Integration (HTI) program and provides essential capabilities to numerous weapon systems and platforms. This program has been designated as a DoD Space Program.</p>							
<b>Justification:</b>							
<p>FY 2010 procures the Defense Advanced GPS Receiver (DAGR) to support fielding requirements to Combat, Combat Support, and Combat Service Support units including Force XXI Battle Command Brigade and Below (FBCB2) Blue Force Tracking systems that facilitate situational awareness across the force.  FY10 Base dollars of \$72.735 million will procure 21,308 DAGR's  FY10 OCO dollars of \$53.486 million will procure 20,062 DAGR's</p>							

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

Date: May 2009

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

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

Program Elements for Code B Items:

Code:

Other Related Program Elements:

		FY2008	FY2009	FY2010
Active	Gross Cost	68,332	53,944	55,975
National Guard	Gross Cost	56,183	41,807	57,682
Reserve	Gross Cost	4,233	4,880	12,564



Exhibit P-5, Weapon OPA2 Cost Analysis	Appropriation/Budget Activity/Serial No: Other Procurement, Army / 2 / Communications and Electronics Equipment	P-1 Line Item Nomenclature: NAVSTAR GLOBAL POSITIONING SYSTEM (SPACE) (K47800)			Weapon System Type:	Date: May 2009				
OPA2 Cost Elements	ID	FY 08			FY 09			FY 10		
	CD	Total Cost	Qty	Unit Cost	Total Cost	Qty	Unit Cost	Total Cost	Qty	Unit Cost
		\$000	Each	\$000	\$000	Each	\$000	\$000	Each	\$000
<b>Hardware:</b>										
DAGR Acquisition		111004	41640	3	80442	30180	3	110287	41370	3
DAGR/SDA										
DAGR VECF SAASM 3.7					3150					
GB-GRAM Competition										
PLGR Re-Utilization		1500			1162					
Software Support		1471			1425			1390		
<b>Product Support:</b>										
Total Package Fielding		9551			9131			9203		
Program Management		3521			3584			3051		
Government In-House		838			851			1538		
Integration Engineering		150			162			109		
Test and Evaluation		713			724			643		
<b>Total:</b>		<b>128748</b>			<b>100631</b>			<b>126221</b>		

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

Date:  
May 2009

Appropriation/Budget Activity/Serial No: Other Procurement, Army/ 2/ Communications and Electronics Equipment		Weapon System Type:	P-1 Line Item Nomenclature: NAVSTAR GLOBAL POSITIONING SYSTEM (SPACE) (K47800)							
WBS Cost Elements:	Contractor and Location	Contract Method and Type	Location of PCO	Award Date	Date of First Delivery	QTY Each	Unit Cost \$000	Specs Avail Now?	Date Revsn Avail	RFP Issue Date
<b>DAGR Acquisition</b>										
FY 2008	Rockwell Collins, Inc. Cedar Rapids, IA	FFP/ID/IQ	Los Angeles AFB, CA	Jan 08	Jun 08	41640	3	Yes		
FY 2009	Rockwell Collins, Inc. Cedar Rapids, IA	FFP/ID/IQ	Los Angeles AFB, CA	Jan 09	Jun 09	30180	3	Yes		
FY 2010	Rockwell Collins, Inc. Cedar Rapids, IA	FFP/ID/IQ	Robins AFB, GA	Jan 10	Jun 10	41370	3	Yes		

REMARKS:

<b>FY 09 / 10 BUDGET PRODUCTION SCHEDULE</b>	P-1 ITEM NOMENCLATURE NAVSTAR GLOBAL POSITIONING SYSTEM (SPACE) (K47800)	Date: May 2009
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COST ELEMENTS						Fiscal Year 09													Fiscal Year 10													Later
M F R	FY	S E R V	PROC QTY Units	ACCEP PRIOR TO 1 OCT	BAL DUE AS OF 1 OCT	Calendar Year 09													Calendar Year 10													
						O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P			

DAGR Acquisition																																	
1	FY 08	A	34609	11536	23073	2884	2884	2884	2884	2884	2884	2884	2885																			0	
1	FY 09	A	30051	0	30051				A					2504	2504	2504	2504	2504	2504	2504	2504	2504	2504	2504	2504	2504	2504	2507				0	
1	FY 10	A	26071	0	26071																A								2173	2173	2173	2173	17379
Total						79195	2884	2884	2884	2884	2884	2884	2885	2504	2504	2504	2504	2504	2504	2504	2504	2504	2504	2504	2504	2507	2173	2173	2173	2173	17379		
						O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P				

M F R	Name - Location	PRODUCTION RATES			Reached D+	MFR	ADMIN LEAD TIME		MFR After 1 Oct	TOTAL After 1 Oct	REMARKS	
		MIN	1-8-5	MAX			Prior 1 Oct	After 1 Oct				
1	Rockwell Collins, Inc., Cedar Rapids, IA	6000	42000	78000		1	Initial	0	4	5	9	
							Reorder	0	2	5	7	
							Initial					
							Reorder					
							Initial					
							Reorder					
							Initial					
							Reorder					
							Initial					
							Reorder					

<b>FY 11 / 12 BUDGET PRODUCTION SCHEDULE</b>	P-1 ITEM NOMENCLATURE NAVSTAR GLOBAL POSITIONING SYSTEM (SPACE) (K47800)	Date: May 2009
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COST ELEMENTS						Fiscal Year 11												Fiscal Year 12												Later
M F R	FY	S E R V	PROC QTY Units	ACCEP PRIOR TO 1 OCT	BAL DUE AS OF 1 OCT	Calendar Year 11												Calendar Year 12												
						O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	

DAGR Acquisition																																	
1	FY 08	A	34609	34609																													0
1	FY 09	A	30051	30051																													0
1	FY 10	A	26071	8692	17379	2173	2173	2173	2173	2173	2173	2173	2168																				0
Total						17379	2173	2173	2173	2173	2173	2173	2168																				
						O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P				

M F R	Name - Location	PRODUCTION RATES			Reached D+	MFR	ADMIN LEAD TIME		MFR After 1 Oct	TOTAL After 1 Oct	REMARKS	
		MIN	1-8-5	MAX			Prior 1 Oct	After 1 Oct				
1	Rockwell Collins, Inc., Cedar Rapids, IA	6000	42000	78000		1	Initial	0	4	5	9	
							Reorder	0	2	5	7	
							Initial					
							Reorder					
							Initial					
							Reorder					
							Initial					
							Reorder					
							Initial					
							Reorder					

<b>Exhibit P-40, Budget Item Justification Sheet</b>	Date: May 2009
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Appropriation / Budget Activity / Serial No: Other Procurement, Army / 2 / Communications and Electronics Equipment	P-1 Item Nomenclature SMART-T (SPACE) (BC4002)
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Program Elements for Code B Items:	Code: A	Other Related Program Elements:
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	Prior Years	FY 2008	FY 2009	FY 2010	To Complete	Total Prog
Proc Qty		82	105	75		262
Gross Cost	431.1	51.5	85.0	87.1		654.7
Less PY Adv Proc						
Plus CY Adv Proc						
Net Proc P1	431.1	51.5	85.0	87.1		654.7
Initial Spares	23.4	10.3	14.4	12.5		60.6
Total Proc Cost	454.5	61.8	99.4	99.7		715.4
Flyaway U/C						
Weapon System Proc U/C		0.6	0.8	1.2		2.6

**Description:**  
Secure Mobile Anti-Jam Reliable Tactical Terminal (SMART-T) is a multi-channel satellite terminal required to support a Force Projection Army. The SMART-T provides a range extension capability for the Army's current and future tactical communications networks. The SMART-T provides a robust, protected satellite interface to permit uninterrupted communications, as our advancing forces move beyond the line-of-sight of terrestrial systems, for all Army units to include current and future units (Corps, Divisions and Brigade Combat Teams (BCT)). The SMART-T improves the battlefield Command, Control, and Communications capability. The prime mover is a High Mobility Multi-Purpose Wheeled Vehicle (HMMWV) configured with all the electronics and the self-erectable antenna. The SMART-T operates at the Extremely High Frequency (EHF) band and receives in the Super High Frequency (SHF) band. The terminal operates at both Medium Data Rate (MDR) and Low Data Rate (LDR) and is designed for unattended operation. SMART-T provides the security, mobility, and anti-jam capability required to assure communications and satisfy the critical need for robust, secure, beyond line of sight communications. The SMART-T provides low probability of interception and low probability of detection (LPI/LPD) to avoid being targeted for destruction, jamming or eavesdropping. The SMART-T provides fully interoperable communications with the Milstar terminals of other services (Air Force, Navy, Marine Corps and other DoD agencies and activities). The SMART-Ts are being upgraded to use Advanced EHF (AEHF) satellites. The AEHF upgrade to SMART-T provides a four-fold increase in communication capacity over the current SMART-T. The upgraded AEHF SMART-T supports communications on the Extended Data Rate (XDR) waveform, and retains full backward compatibility with LDR and MDR waveforms. SMART-T is designated as a DoD Space Program.

**Justification:**  
FY10 base procurement dollars in the amount of 61.116 million procures 23 SMART-T Advanced Extremely High Frequency (AEHF) terminals, program management, storage and warranty extension costs associated with the Air Force delay in fielding the Tactical-Mission Planning Sub System (T-MPSS) and logistics and training for prior years' SMART-T AEHF upgrade kit procurements.  
  
FY10 Overseas Contingency Operations (OCO) procurement dollars in the amount of 26.000 million procures 16 SMART-T Advanced Extremely High Frequency (AEHF) terminals for deploying units currently without a SMART-T.

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

Date: May 2009

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

P-1 Item Nomenclature  
SMART-T (SPACE) (BC4002)

Program Elements for Code B Items:

Code:  
A

Other Related Program Elements:

		FY2008	FY2009	FY2010
Active	Gross Cost	49,138	42,465	57,769
National Guard	Gross Cost	2,122	41,342	16,235
Reserve	Gross Cost	193	1,227	13,112

<b>OPA2 Cost Elements</b>		ID	<b>FY 08</b>			<b>FY 09</b>			<b>FY 10</b>		
		CD	Total Cost	Qty	Unit Cost	Total Cost	Qty	Unit Cost	Total Cost	Qty	Unit Cost
			\$000	Each	\$000	\$000	Each	\$000	\$000	Each	\$000
SMART-T											
EHF SMART-T Terminal Cost											
AEHF Upgrade Mod Kits											
AEHF SMART-T Terminal Cost											
Engineering Support											
Data											
System Project Mgmt/Gov't											
System Test & Evaluation											
GFE											
Fielding											
Modularity/Army National Guard											
OIF											
<b>Total:</b>											
			<b>51453</b>			<b>85034</b>			<b>87116</b>		

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

Date:  
May 2009

Appropriation/Budget Activity/Serial No: Other Procurement, Army/ 2/ Communications and Electronics Equipment		Weapon System Type:	P-1 Line Item Nomenclature: SMART-T (SPACE) (BC4002)							
WBS Cost Elements:	Contractor and Location	Contract Method and Type	Location of PCO	Award Date	Date of First Delivery	QTY Each	Unit Cost \$000	Specs Avail Now?	Date Revsn Avail	RFP Issue Date
<b>AEHF Upgrade Mod Kits</b>										
FY 2008	Raytheon Largo, FL	SS/FP/OPT	CECOM LCMC	Feb 08	Sep 09	82	493	yes		
FY 2009	Raytheon Largo, FL	SS/FP/OPT	CECOM LCMC	Feb 09	Sep 10	100	681	yes		
<b>AEHF SMART-T Terminal Cost</b>										
FY 2010	Raytheon Largo, FL	SS/FP	CECOM LCMC	Jan 10	Sep 11	39	1649	yes		Oct 09

REMARKS: FY08/09 procurement funds were used to procure AEHF upgrade modification kits for existing EHF SMART-Ts. FY10 funds will be used to procure 39 complete AEHF SMART-Ts.



<b>FY 09 / 10 BUDGET PRODUCTION SCHEDULE</b>	P-1 ITEM NOMENCLATURE SMART-T (SPACE) (BC4002)	Date: May 2009
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COST ELEMENTS						Fiscal Year 09											Fiscal Year 10											Later
M F R	FY	S E R V	PROC QTY Each	ACCEP PRIOR TO 1 OCT	BAL DUE AS OF 1 OCT	Calendar Year 09											Calendar Year 10											
						O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	

AEHF Upgrade Mod Kits																															
1	FY 08	A	82	0	82													1	1	9	8	7	7	8	8	8	8	7	10		0
1	FY 08	AF	26	0	26															2	3	4	3	3	2	3	2	4		0	
1	FY 09	A	100	0																											0
1	FY 09	OTH	2	0																											0

AEHF SMART-T Terminal Cost																															
2	FY 10	A	39	0	39																										39
Total					147													1	1	11	11	11	10	11	10	11	10	11	10		39

M F R	Name - Location	PRODUCTION RATES			Reached D+	MFR	ADMIN LEAD TIME		MFR After 1 Oct	TOTAL After 1 Oct	REMARKS		
		MIN	1-8-5	MAX			1	Initial				Prior 1 Oct	After 1 Oct
1	Raytheon, Largo, FL	1	14	28		1	0	9	20	29	- Manufacturer #1: Legacy EHF SMART-Ts upgraded to support next generation AEHF satellite. Upgrade kits procured in FY08/FY09. - Manufacturer #2: Complete AEHF SMART-Ts procured in FY10.		
						1	0	3	19	22			
2	Raytheon, Largo, FL	1	8	16		2	0	9	20	29			
						2	0	3	19	22			

COST ELEMENTS				Fiscal Year 11													Fiscal Year 12											Later				
M F R	FY	S E R V	PROC QTY Each	ACCEP PRIOR TO 1 OCT	BAL DUE AS OF 1 OCT	Calendar Year 11													Calendar Year 12													
						O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L		A U G	S E P		
AEHF Upgrade Mod Kits																																
1	FY 08	A	82	82																										0		
1	FY 08	AF	26	26																											0	
1	FY 09	A	100	9	91	9	8	8	9	9	8	8	8	8	8																0	
1	FY 09	OTH	2	0	2		1	1																							0	
AEHF SMART-T Terminal Cost																																
2	FY 10	A	39	0	39													3	3	4	3	3	3	4	3	3	3	4	3		0	
Total					132	9	9	9	9	9	8	8	8	8	8	8	3	3	4	3	3	3	4	3	3	3	4	3				

M F R	Name - Location	PRODUCTION RATES			Reached D+	MFR	ADMIN LEAD TIME		MFR After 1 Oct	TOTAL After 1 Oct	REMARKS
		MIN	1-8-5	MAX			Prior 1 Oct	After 1 Oct			
		1	Raytheon, Largo, FL	1	14	28	1	Initial	0	9	
						Reorder	0	3	19	22	
2	Raytheon, Largo, FL	1	8	16	2	Initial	0	9	20	29	
						Reorder	0	3	19	22	
						Initial					
						Reorder					
						Initial					
						Reorder					
						Initial					
						Reorder					

<b>Exhibit P-40, Budget Item Justification Sheet</b>						Date: May 2009
Appropriation / Budget Activity / Serial No: Other Procurement, Army / 2 / Communications and Electronics Equipment				P-1 Item Nomenclature SCAMP (SPACE) (BC4003)		
Program Elements for Code B Items:		Code: A	Other Related Program Elements:			
	Prior Years	FY 2008	FY 2009	FY 2010	To Complete	Total Prog
Proc Qty						
Gross Cost	69.7	1.3	1.0	1.8		73.8
Less PY Adv Proc						
Plus CY Adv Proc						
Net Proc P1	69.7	1.3	1.0	1.8		73.8
Initial Spares						
Total Proc Cost	69.7	1.3	1.0	1.8		73.8
Flyaway U/C						
Weapon System Proc U/C						
<b>Description:</b> The Single Channel Anti-Jam Man-Portable (SCAMP) Terminal provides a manportable, four simultaneous channel, full duplex data/half duplex voice communications and data transfer system at 2400 bps per channel. SCAMP provides priority tactical ground users with the capability to transmit and receive intelligence, command, and control traffic from a base station. It transmits in the Extremely High Frequency (EHF) band and receives in the Super High Frequency (SHF) band. It provides Low Data Rate (LDR) secure voice at 2400 bps and secure data at 75-2400 bps, as well as interface with Common Hardware/Software devices such as the Lightweight Computer Units and the Hand-Held Terminal Unit. The SCAMP is fully interoperable within the Army C4I Technical Architecture. The terminal has embedded COMSEC and TRANSEC with set-up and tear-down in less than 10 minutes. In addition to operation on Milstar satellites, the SCAMP will operate on all satellites which utilize the MIL-STD-1582D LDR waveform. It operates in environmental conditions that include rain, fog, snow, haze and dust, and operates in the transmit, receive or stand-by mode throughout an entire mission (typically 30 days). SCAMP is the only EHF manportable terminal and provides direct support to the tactical warfighter mobile forces with greater anti-jam protection, lower probability of intercept, and lower probability of detection. Army SCAMP terminals are designated for Commanders at Division and above levels. All 397 SCAMP terminals have been procured in prior years and are fielded throughout the Army. This program is designated as a DoD Space Program.						
<b>Justification:</b> FY2010 procures training support to units fielded in BCTs, Divisions and Corps AC/ARNG and continues Integrated Logistics Support (ILS) for the SCAMP National Maintenance Contract efforts.						

<b>Exhibit P-40, Budget Item Justification Sheet</b>						Date: May 2009
Appropriation / Budget Activity / Serial No: Other Procurement, Army / 2 / Communications and Electronics Equipment				P-1 Item Nomenclature GLOBAL BRDCST SVC - GBS (BC4120)		
Program Elements for Code B Items:		Code:	Other Related Program Elements:			
	Prior Years	FY 2008	FY 2009	FY 2010	To Complete	Total Prog
Proc Qty						
Gross Cost	101.0	35.1	37.7	6.8		180.6
Less PY Adv Proc						
Plus CY Adv Proc						
Net Proc P1	101.0	35.1	37.7	6.8		180.6
Initial Spares						
Total Proc Cost	101.0	35.1	37.7	6.8		180.6
Flyaway U/C						
Weapon System Proc U/C						
<b>Description:</b> Global Broadcast Service (GBS) program satisfies the need for a high-speed, one-way broadcast of high volume multi-media information to users world-wide. GBS provides deployed users access to national level repositories of intelligence products and other critical mission planning tools. GBS is the primary means of rebroadcasting theater Unmanned Aerial Vehicle (UAV) products to deployed users supporting Operation Iraqi Freedom (OIF) and Operation Enduring Freedom (OEF). The Air Force (AF) was designated as the executive service and leads the Joint Program Office (JPO). The Army supports the GBS JPO for the development and procurement of the Transportable Ground Receive Suites (TGRS) and the Theater Injection Point (TIP) and is the ACAT III manager for these items. The TGRS consists of a Receive Broadcast Manager (RBM) and a small satellite antenna called the Next Generation Receive Terminal (NGRT). The antenna receives and sends a downlink signal to the RBM for processing and distribution to the Local Area Network (LAN) end user. The combination of the NGRT and the RBM provides an ORD compliant TGRS. The TIP consists of a Transportable Satellite Broadcast Manager (TSBM) that builds the product broadcast and a Radio Frequency (RF) injector that transmits the data stream to the satellite. The RF injector portion of the TIP is the Phoenix Block 2 Terminal. The TIP provides an in-theater injection capability for the GBS architecture that permits distribution of vital Joint Task Force Commanders' in-theater information to TGRS. This is a Joint Program, and is designated as a Department of Defense Space System.						
<b>Justification:</b> FY2010 Base dollars of 6.849 million will procure 20 Transportable Ground Receive Suites (TGRS).						

<b>OPA2 Cost Elements</b>		ID	<b>FY 08</b>			<b>FY 09</b>			<b>FY 10</b>		
		CD	Total Cost	Qty	Unit Cost	Total Cost	Qty	Unit Cost	Total Cost	Qty	Unit Cost
			\$000	Each	\$000	\$000	Each	\$000	\$000	Each	\$000
Transportable Grnd Receive Suite (TGRS)			17220	205	84	18360	153	120	2400	20	120
GFE			2283			2113			224		
Government Engineering			1908			2210			1803		
Government Program Management			1641			985			1046		
Test			350			60			195		
Contractor Logistics Support			3428			3982			301		
Fielding			8289			6171			880		
ECP						3800					
<b>Total:</b>			<b>35119</b>			<b>37681</b>			<b>6849</b>		

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

Date:  
May 2009

Appropriation/Budget Activity/Serial No: Other Procurement, Army/ 2/ Communications and Electronics Equipment			Weapon System Type:		P-1 Line Item Nomenclature: GLOBAL BRDCST SVC - GBS (BC4120)					
WBS Cost Elements:	Contractor and Location	Contract Method and Type	Location of PCO	Award Date	Date of First Delivery	QTY Each	Unit Cost \$000	Specs Avail Now?	Date Revsn Avail	RFP Issue Date
<b>Transportable Grnd Receive Suite (TGRS)</b>										
FY 2008	Raytheon (TGRS) Reston, VA	C/FFP	CECOM, LCMC	May 08	Oct 08	205	84	Yes		
FY 2009	TBS TBS	TBD	ESC, Hanscom AFB	Jul 09	Jan 10	153	120	Yes		
FY 2010	TBS TBS	TBD	ESC, Hanscom AFB	May 09	Nov 09	20	120	Yes		

REMARKS:

<b>FY 09 / 10 BUDGET PRODUCTION SCHEDULE</b>	P-1 ITEM NOMENCLATURE GLOBAL BRDCST SVC - GBS (BC4120)	Date: May 2009
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COST ELEMENTS						Fiscal Year 09												Fiscal Year 10												Later
M F R	FY	S E R V	PROC QTY Units	ACCEP PRIOR TO 1 OCT	BAL DUE AS OF 1 OCT	Calendar Year 09												Calendar Year 10												
						O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	

Transportable Grnd Receive Suite (TGRS)																														
1	FY 08	A	198	0	198	2		50	28	28	28	32	24	6																0
4	FY 09	A	153	0	153										A						28	28	28	28	28	13				0
4	FY 10	A	20	0	20																					A				20
					371	2		50	28	28	28	32	24	6							28	28	28	28	28	13				20
						O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	

M F R	Name - Location	PRODUCTION RATES				Reached D+	MFR	ADMIN LEAD TIME		MFR After 1 Oct	TOTAL After 1 Oct	REMARKS
		MIN	1-8-5	MAX	1			Initial	Reorder			
1	Raytheon (TGRS), Reston, VA	8	16	32	1	1	6	8	9	17		
2	Raytheon (TSBM), Reston, VA	1	2	2	2	2	9	3	15	18		
3	Raytheon (NGRT), Reston, VA	16	32	32	3	3	0	2	11	13		
						3	10	0	8	8		
							0	1	6	7		

<b>FY 11 / 12 BUDGET PRODUCTION SCHEDULE</b>	P-1 ITEM NOMENCLATURE GLOBAL BRDCST SVC - GBS (BC4120)	Date: May 2009
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COST ELEMENTS					Fiscal Year 11													Fiscal Year 12													Later	
M F R	FY	S E R V	PROC QTY Units	ACCEP PRIOR TO 1 OCT	BAL DUE AS OF 1 OCT	Calendar Year 11													Calendar Year 12													
						O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P			

Transportable Grnd Receive Suite (TGRS)																															
1	FY 08	A	198	198																										0	
4	FY 09	A	153	153																										0	
4	FY 10	A	20	0	20		10	10																						0	
Total					20		10	10																							
					O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P			

M F R	Name - Location	PRODUCTION RATES			Reached D+	MFR	ADMIN LEAD TIME		MFR After 1 Oct	TOTAL After 1 Oct	REMARKS
		MIN	1-8-5	MAX			Prior 1 Oct	After 1 Oct			
1	Raytheon (TGRS), Reston, VA	8	16	32	1	1	Initial	6	8	9	17
							Reorder	0	1	6	7
2	Raytheon (TSBM), Reston, VA	1	2	2	2	2	Initial	9	3	15	18
							Reorder	0	2	11	13
3	Raytheon (NGRT), Reston, VA	16	32	32	3	3	Initial	10	0	8	8
							Reorder	0	1	6	7
							Initial				
							Reorder				
							Initial				
							Reorder				



<b>Exhibit P-40, Budget Item Justification Sheet</b>						Date: May 2009
Appropriation / Budget Activity / Serial No: Other Procurement, Army / 2 / Communications and Electronics Equipment				P-1 Item Nomenclature MOD OF IN-SVC EQUIP (TAC SAT) (BB8417)		
Program Elements for Code B Items:		Code:	Other Related Program Elements:			
	Prior Years	FY 2008	FY 2009	FY 2010	To Complete	Total Prog
Proc Qty						
Gross Cost	376.5	46.5	6.1	26.8		455.8
Less PY Adv Proc						
Plus CY Adv Proc						
Net Proc P1	376.5	46.5	6.1	26.8		455.8
Initial Spares						
Total Proc Cost	376.5	46.5	6.1	26.8		455.8
Flyaway U/C						
Weapon System Proc U/C						
<b>Description:</b> Mod of In-Svc Equipment (TACSAT) funds the upgrades to Army tactical satellite communications equipment. This Mod of In-Svc funding also procures AS-4429 Lightweight High Gain X-Band Antennas (LHGXA) with associated fielding and training support. It is a 16 foot diameter dish, offset fed, trailer mounted, high gain antenna. It operates with the current generation of AN/TSC-85B/93D TACSAT terminals and the next generation AN/TSC-156B PHOENIX terminals. LHGXAs are fielded to Army National Guard and Reserve Signal Battalions. Additionally, this Mod of In-Svc funding procures and fields Advanced EHF Mission Planning Element (AMPE) equipment. AMPE replaces the current Communications Planning System (AN/PSQ-17). The AMPE will be an integrated tool on which current and future Milstar, and AEHF planning will be performed. Mod of In Svc also supports the Commercial SATCOM Terminal Program (CSTP), which procures commercial SATCOM equipment for Army, joint services and other federal agencies. Mod of In-Svc funds upgrades to Deployable Ku Earth Terminals (DKET) supporting contingency operations in Operation Enduring Freedom and Operation Iraqi Freedom.						
<b>Justification:</b> FY10 base procurement dollars in the amount of 2.862 million procures the Advanced EHF Mission Planning Element (AMPE), fielding and training.  FY10 Overseas Contingency Operations (OCO) procurement dollars in the amount of 23.900 million procures 16 DKET Upgrades.						

<b>Exhibit P-40M, Budget Item Justification Sheet</b>						Date: May 2009
Appropriation / Budget Activity / Serial No: Other Procurement, Army / 2 / Communications and Electronics Equipment			P-1 Item Nomenclature MOD OF IN-SVC EQUIP (TAC SAT) (BB8417)			
Program Elements for Code B Items:				Code:	Other Related Program Elements:	
Description		Fiscal Years				
OSIP No.	Classification	2008 & PR	FY 2009	FY 2010	TC	Total
MOD OF IN SVC						
0-00-00-0000		337.5	0.0	0.0	0.0	337.5
AMPE						
0-00-00-0000		11.8	6.1	2.9	0.0	20.8
LHGXA						
0-00-00-0000		10.2	0.0	0.0	0.0	10.2
CSTP						
0-00-00-0000		63.5	0.0	0.0	0.0	63.5
DKET Upgrade						
0-00-00-0000		0.0	0.0	23.9	0.0	23.9
<b>Totals</b>						
		423.0	6.1	26.8	0.0	455.9

**INDIVIDUAL MODIFICATION**

Date: May 2009

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

MODELS OF SYSTEM AFFECTED:

DESCRIPTION / JUSTIFICATION:

This program provides a tactical satellite communications capability to meet critical Ground Mobile Forces (GMF) Command, Control, Communications, Computers and Intelligence (C4I) needs not satisfied by conventional terrestrial communications systems. The GMF are those components of the Army, Navy, Air Force, Marine Corps, Special Operations Forces and Joint Communications Support Elements engaged in land, tactical air combat, and amphibious operations ranging from single-service crisis missions to mutually supportive joint-service combat scenarios. Mod of In-Svc Equipment (TACSAT) funds the upgrades to Army Tactical Satellite Communications Equipment. Mod of In Svc also supports the Commercial SATCOM Terminal Program (CSTP), which procures commercial SATCOM equipment for Army, joint services and other federal agencies. Mod of In-Svc funds upgrades to Deployable Ku Earth Terminals (DKET) supporting contingency operations in Operation Enduring Freedom and Operation Iraqi Freedom.

DEVELOPMENT STATUS / MAJOR DEVELOPMENT MILESTONE(S):

Installation Schedule

Pr Yr Totals	FY 2009				FY 2010				FY 2011				FY 2012				FY 2013			
	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4
Inputs																				
Outputs																				

  

1	2	3	4	FY 2014				FY 2015				FY 2016				FY 2017				To Complete	Totals	
				1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4			
Inputs																						
Outputs																						

METHOD OF IMPLEMENTATION:

ADMINISTRATIVE LEADTIME:

0 months

PRODUCTION LEADTIME:

0 months

Contract Dates:

FY 2010 -

FY 2011 -

FY 2012 -

Delivery Dates:

FY 2010 -

FY 2011 -

FY 2012 -

**INDIVIDUAL MODIFICATION**

Date: May 2009

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

FINANCIAL PLAN: (\$ in Millions)

	FY 2008 and Prior		2009		2010		TC		Total	
	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$
	<b>RDT&amp;E</b>									
<b>Procurement</b>		337.5								337.5
Kit Quantity										
Installation Kits										
Installation Kits, Nonrecurring										
Equipment										
Equipment, Nonrecurring										
Engineering Change Orders										
Data										
Training Equipment										
Support Equipment										
Other										
Interim Contractor Support										
<b>Installation of Hardware</b>										
FY 2007 & Prior Equip -- Kits										
FY 2008 -- Kits										
FY 2009 Equip -- Kits										
FY 2010 Equip -- Kits										
FY 2011 Equip -- Kits										
FY 2012 Equip -- Kits										
FY 2013 Equip -- Kits										
FY 2014 Equip -- Kits										
TC Equip- Kits										
Total Installment	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
Total Procurement Cost		337.5		0.0		0.0		0.0		337.5

**INDIVIDUAL MODIFICATION**

Date: May 2009

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

MODELS OF SYSTEM AFFECTED:

DESCRIPTION / JUSTIFICATION:

FY2010 will procure Advanced EHF Mission Planning Element (AMPE), training and fielding to meet modularity requirements. AMPE is the objective system for EHF and AEHF terminal planning tool replacing the AN/PSQ-17. The AMPE will be an integrated tool on which Milstar and AEHF planning will be performed. The Air Force is the Executive Agent for developing the AMPE. Each Service is responsible for procuring the AMPE and fielding the system to their communications planners. The AMPE is essential to the operation of the SCAMP and AEHF SMART-T. This program will procure the designated hardware, field, provide training and technical data for SCAMP and SMART-T communications planners. Procurement includes 60 additional AMPEs for GTA.

DEVELOPMENT STATUS / MAJOR DEVELOPMENT MILESTONE(S):

Installation Schedule

Pr Yr Totals	FY 2009				FY 2010				FY 2011				FY 2012				FY 2013			
	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4
Inputs	219								80				60				35			
Outputs	104								22 20 15 11				20 15 16 22				11 15 19 13			

  

FY 2014				FY 2015				FY 2016				FY 2017				To Complete	Totals
1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4		
Inputs																	394
Outputs				14 14 24 24				15									394

METHOD OF IMPLEMENTATION:

ADMINISTRATIVE LEADTIME:

2 months

PRODUCTION LEADTIME:

12 months

Contract Dates:

FY 2010 -

FY 2011 -

FY 2012 -

Delivery Dates:

FY 2010 -

FY 2011 -

FY 2012 -

**INDIVIDUAL MODIFICATION**

Date: May 2009

MODIFICATION TITLE (cont): AMPE [MOD 3] 0-00-00-0000

FINANCIAL PLAN: (\$ in Millions)

	FY 2008 and Prior		2009		2010		TC		Total	
	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$
	<b>RDT&amp;E</b>									
<b>Procurement</b>	219	11.8		6.1		2.9			219	20.8
Kit Quantity										
Installation Kits										
Installation Kits, Nonrecurring										
Equipment										
Equipment, Nonrecurring										
Engineering Change Orders										
Data										
Training Equipment										
Support Equipment										
Other										
Interim Contractor Support										
<b>Installation of Hardware</b>										
FY 2007 & Prior Equip -- Kits										
FY 2008 -- Kits										
FY 2009 Equip -- Kits										
FY 2010 Equip -- Kits										
FY 2011 Equip -- Kits										
FY 2012 Equip -- Kits										
FY 2013 Equip -- Kits										
FY 2014 Equip -- Kits										
TC Equip- Kits										
Total Installment	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
Total Procurement Cost		11.8		6.1		2.9		0.0		20.8

**INDIVIDUAL MODIFICATION**

Date: May 2009

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

MODELS OF SYSTEM AFFECTED:

DESCRIPTION / JUSTIFICATION:

DEVELOPMENT STATUS / MAJOR DEVELOPMENT MILESTONE(S):

Installation Schedule

	Pr Yr Totals	FY 2009				FY 2010				FY 2011				FY 2012				FY 2013			
		1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4
Inputs	25																				
Outputs	25																				

  

	FY 2014				FY 2015				FY 2016				FY 2017				To Complete	Totals
	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4		
Inputs																		25
Outputs																		25

METHOD OF IMPLEMENTATION: HARRIS CORP. ADMINISTRATIVE LEADTIME: 1 months PRODUCTION LEADTIME: 11 months  
 Contract Dates: FY 2010 - 01 DEC 07 FY 2011 - FY 2012 -  
 Delivery Dates: FY 2010 - 31 DEC 08 FY 2011 - FY 2012 -

**INDIVIDUAL MODIFICATION**

Date: May 2009

MODIFICATION TITLE (cont): LHGXA [MOD 4] 0-00-00-0000

FINANCIAL PLAN: (\$ in Millions)

	FY 2008 and Prior		2009		2010		TC		Total	
	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$
	<b>RDT&amp;E</b>									
<b>Procurement</b>	25	10.2							25	10.2
Kit Quantity										
Installation Kits										
Installation Kits, Nonrecurring										
Equipment										
Equipment, Nonrecurring										
Engineering Change Orders										
Data										
Training Equipment										
Support Equipment										
Other										
Interim Contractor Support										
<b>Installation of Hardware</b>										
FY 2007 & Prior Equip -- Kits										
FY 2008 -- Kits										
FY 2009 Equip -- Kits										
FY 2010 Equip -- Kits										
FY 2011 Equip -- Kits										
FY 2012 Equip -- Kits										
FY 2013 Equip -- Kits										
FY 2014 Equip -- Kits										
TC Equip- Kits										
Total Installment	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
Total Procurement Cost		10.2		0.0		0.0		0.0		10.2



**INDIVIDUAL MODIFICATION**

Date: May 2009

MODIFICATION TITLE: CSTP [MOD 5] 0-00-00-0000

MODELS OF SYSTEM AFFECTED:

DESCRIPTION / JUSTIFICATION:

DEVELOPMENT STATUS / MAJOR DEVELOPMENT MILESTONE(S):

Installation Schedule

Pr Yr Totals	FY 2009				FY 2010				FY 2011				FY 2012				FY 2013			
	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4
Inputs 188																				
Outputs 66	48	52	22																	

  

Pr Yr Totals	FY 2014				FY 2015				FY 2016				FY 2017				To Complete	Totals
	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4		
Inputs 188																		
Outputs 188																		

METHOD OF IMPLEMENTATION: Various Vendors ADMINISTRATIVE LEADTIME: 2 months PRODUCTION LEADTIME: 3 months  
 Contract Dates: FY 2010 - FY 2011 - FY 2012 -  
 Delivery Dates: FY 2010 - FY 2011 - FY 2012 -

**INDIVIDUAL MODIFICATION**

Date: May 2009

MODIFICATION TITLE (cont): CSTP [MOD 5] 0-00-00-0000

FINANCIAL PLAN: (\$ in Millions)

	FY 2008 and Prior		2009		2010		TC		Total	
	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$
	<b>RDT&amp;E</b>									
<b>Procurement</b>	188	63.5							188	63.5
Kit Quantity										
Installation Kits										
Installation Kits, Nonrecurring										
Equipment										
Equipment, Nonrecurring										
Engineering Change Orders										
Data										
Training Equipment										
Support Equipment										
Other										
Interim Contractor Support										
<b>Installation of Hardware</b>										
FY 2007 & Prior Equip -- Kits										
FY 2008 -- Kits										
FY 2009 Equip -- Kits										
FY 2010 Equip -- Kits										
FY 2011 Equip -- Kits										
FY 2012 Equip -- Kits										
FY 2013 Equip -- Kits										
FY 2014 Equip -- Kits										
TC Equip- Kits										
Total Installment	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
Total Procurement Cost		63.5		0.0		0.0		0.0		63.5

**INDIVIDUAL MODIFICATION**

Date: May 2009

MODIFICATION TITLE: DKET Upgrade [MOD 6] 0-00-00-0000

MODELS OF SYSTEM AFFECTED:

DESCRIPTION / JUSTIFICATION:  
 The Deployable Ku Earth Terminal (DKET) program provides commercial, high-capacity satellite communications capability for deployed forces supporting overseas contingency operations (Operation Iraqi Freedom and Operation Enduring Freedom). The DKET upgrade allows the Global Deployment Force (GDF) to migrate from a predominantly commercial satellite communication (SATCOM)-based architecture, using military SATCOM assets as solution of first choice. This upgrade will give commanders greater flexibility in configuring satellite communication networks to support military operations, increased infrastructure protection (with military SATCOM), and increased overall capacity available to deployed forces, while reducing the cost of commercial satellite communication transponder leases by using military satellites. FY10 Overseas Contingency Operations funding procures and fields 16 Ka-band upgrade kits.

DEVELOPMENT STATUS / MAJOR DEVELOPMENT MILESTONE(S):

Installation Schedule

	Pr Yr Totals	FY 2009				FY 2010				FY 2011				FY 2012				FY 2013			
		1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4
Inputs							16														
Outputs								4	6	6											

  

	FY 2014				FY 2015				FY 2016				FY 2017				To Complete	Totals
	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4		
Inputs																		16
Outputs																		16

METHOD OF IMPLEMENTATION: Contractor ADMINISTRATIVE LEADTIME: 2 months PRODUCTION LEADTIME: 4 months

Contract Dates: FY 2010 - FY 2011 - FY 2012 -

Delivery Dates: FY 2010 - FY 2011 - FY 2012 -

**INDIVIDUAL MODIFICATION**

Date: May 2009

MODIFICATION TITLE (cont): DKET Upgrade [MOD 6] 0-00-00-0000

FINANCIAL PLAN: (\$ in Millions)

	FY 2008 and Prior		2009		2010		TC		Total	
	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$
	<b>RDT&amp;E</b>									
<b>Procurement</b>					16	23.9			16	23.9
Kit Quantity										
Installation Kits										
Installation Kits, Nonrecurring										
Equipment										
Equipment, Nonrecurring										
Engineering Change Orders										
Data										
Training Equipment										
Support Equipment										
Other										
Interim Contractor Support										
<b>Installation of Hardware</b>										
FY 2008 & Prior Equip -- Kits										
FY 2009 -- Kits										
FY 2010 Equip -- Kits										
FY 2011 Equip -- Kits										
FY 2012 Equip -- Kits										
FY 2013 Equip -- Kits										
FY 2014 Equip -- Kits										
FY 2015 Equip -- Kits										
TC Equip- Kits										
Total Installment	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
Total Procurement Cost		0.0		0.0		23.9		0.0		23.9

<b>Exhibit P-40, Budget Item Justification Sheet</b>						Date: May 2009	
Appropriation / Budget Activity / Serial No: Other Procurement, Army / 2 / Communications and Electronics Equipment				P-1 Item Nomenclature ARMY GLOBAL CMD & CONTROL SYS (AGCCS) (BA8250)			
Program Elements for Code B Items:			Code:	Other Related Program Elements:			
	Prior Years		FY 2008	FY 2009	FY 2010	To Complete	Total Prog
Proc Qty							
Gross Cost	265.1		30.8	31.4	23.0	Continuing	Continuing
Less PY Adv Proc							
Plus CY Adv Proc							
Net Proc P1	265.1		30.8	31.4	23.0	Continuing	Continuing
Initial Spares							
Total Proc Cost	265.1		30.8	31.4	23.0	Continuing	Continuing
Flyaway U/C							
Weapon System Proc U/C						Continuing	Continuing
<b>Description:</b>							
<p>Global Command and Control System-Army (GCCS-A) provides critical automated Command and Control (C2) tools for Combatant Commanders (COCOMs) and Army Component Commanders (ACCs) to enhance warfighter capabilities throughout the spectrum of conflict during joint and combined operations in support of National Command Authority (NCA). GCCS-A provides the interface between Global Command &amp; Control System - Joint (GCCS-J) and Army Battlefield Command Systems (ABCS). GCCS-A provides readiness reporting, mobilization &amp; deployment capability information for active, guard and reserve forces as well as providing the Joint Common Operational Picture (COP) and intra-theater planning and movement. For Strategic Commanders, GCCS-A Information Technology (IT) provides readiness, planning, mobilization &amp; deployment capability. For Theater Commanders, GCCS-A provides Joint COP and associated friendly and enemy status information, movement, force employment planning and execution tools, and overall interoperability with Joint, Coalition, &amp; Tactical ABCS. It supports major Army commands (MACOMs), Army Combatant Commanders (COCOMs), Army Commands and Components, and Army elements within the Pentagon. GCCS-A supports all headquarters staff sections that support all phases of conflict, &amp; Stability &amp; Support Operations (SASO). In addition, PM GCCS-A is the Executive Agent with responsibility to procure &amp; field GCCS-J hardware &amp; COTS software to selected GCCS-J sites.</p> <p>GCCS-A is the Army service component of the GCCS-J Family of Systems (FoS) being implemented in accordance with the GCCS concept of Common Operating Environment (COE) and a member of ABCS. GCCS-A is implemented in accordance with GCCS-J architecture and ABCS Capstone Requirements Document (CRD) and rides on the COE. GCCS-A integrates system software &amp; hardware using a site's existing communications architecture. GCCS-A provides commercial-off-the-shelf (COTS) hardware &amp; COTS developed software to user sites. The hardware includes various types of servers &amp; user workstations. The hardware &amp; software provides directory, database, web, communications and portal capabilities to enhance &amp; facilitate Command &amp; Control functions of the developed software described above. Supporting functions include user administration &amp; security.</p>							
<b>Justification:</b>							
FY 2010 procures mission critical hardware & COTS software to meet the GCCS-A approved fielding schedule, as well as refresh hardware and support for previously fielded sites.							

<b>OPA2 Cost Elements</b>		ID	<b>FY 08</b>			<b>FY 09</b>			<b>FY 10</b>		
		CD	Total Cost	Qty	Unit Cost	Total Cost	Qty	Unit Cost	Total Cost	Qty	Unit Cost
			\$000	Each	\$000	\$000	Each	\$000	\$000	Each	\$000
GCCS-A Workstations/Laptops			10845			9333			4299		
Software Licenses			2725			2759			2204		
Software Support			8751			9526			8148		
Fielding Support			4275			5076			4280		
Training Support			3205			3547			3056		
PMO Support			1002			1179			1009		
NECC Systems											
<b>Total:</b>			<b>30803</b>			<b>31420</b>			<b>22996</b>		

<b>Exhibit P-40, Budget Item Justification Sheet</b>						Date: May 2009
Appropriation / Budget Activity / Serial No: Other Procurement, Army / 2 / Communications and Electronics Equipment				P-1 Item Nomenclature ARMY DATA DISTRIBUTION SYSTEM (DATA RADIO) (BU1400)		
Program Elements for Code B Items:		Code:	Other Related Program Elements:			
	Prior Years	FY 2008	FY 2009	FY 2010	To Complete	Total Prog
Proc Qty						
Gross Cost	1194.9	31.0	36.0	1.9		1263.9
Less PY Adv Proc						
Plus CY Adv Proc						
Net Proc P1	1194.9	31.0	36.0	1.9		1263.9
Initial Spares	15.4					15.4
Total Proc Cost	1210.3	31.0	36.0	1.9		1279.3
Flyaway U/C						
Weapon System Proc U/C						
<b>Description:</b> The Army Data Distribution System (ADDS) is a Command, Control, Communication and Intelligence (C3I) program consisting of the Enhanced Position Location Reporting System (EPLRS) and the Near Term Digital Radio (NTDR). EPLRS, the predominant ADDS product line, is a critical mobile wireless data communications backbone for the Army's Tactical Internet. EPLRS provides embedded situational awareness / position navigation. EPLRS mobile networks are used by Army Battle Command System(s) (ABCS) and Force XXI Battle Command Brigade and Below host computers for situational awareness and command and control. It has been designed specifically to meet the data communication requirements of the ABCS and sensor systems. EPLRS includes the EPLRS Network Manager (ENM). NTDR is the primary data communications network between Brigade and Battalion Tactical Operation Centers (TOCs). The Army Acquisition Objective (AAO) for the ADDS is 33,396. The Army Procurement Objective (APO) is 15,737.						
<b>Justification:</b> FY2010 Base procurement dollars in the amount of 1.7 million support EPLRS Program Management Support for units being fielded for Air Defense Airspace Management (ADAM) Cells to prosecute Overseas Contingency Operations (OCO) by resetting items, replacing battle losses, generating and protecting forces and enhancing military capabilities.  FY2010 OCO procurement dollars in the amount of .239 thousand support EPLRS Program Management Support for units being fielded for Air Defense ADAM Cells to prosecute OCO by resetting items, replacing battle losses, generating and protecting forces and enhancing military capabilities.						

Exhibit P-5, Weapon OPA2 Cost Analysis	Appropriation/Budget Activity/Serial No: Other Procurement, Army / 2 / Communications and Electronics Equipment	P-1 Line Item Nomenclature: ARMY DATA DISTRIBUTION SYSTEM (DATA RADIO) (BU1400)			Weapon System Type:			Date: May 2009			
OPA2 Cost Elements		ID	FY 08			FY 09			FY 10		
		CD	Total Cost	Qty	Unit Cost	Total Cost	Qty	Unit Cost	Total Cost	Qty	Unit Cost
			\$000	Each	\$000	\$000	Each	\$000	\$000	Each	\$000
<b>Enhanced Position Location Reporting System (EPLRS)</b>											
*											
EPLRS User Unit Receiver Transmitter											
			12388	500	24.776	10107	400	25.268			
Other Hardware											
			2541			4193					
Program Management Operations											
			2086			5123			1944		
Life Cycle Software Engineering											
			135								
Testing											
			110			502					
Total Package Fielding											
			283			2350					
Engineering Support											
			10690			7761					
Tactical Operations Center Data Radio											
Logistics											
			2809			5935					
***											
***											
* EPUU Radio Set consists of: EPLRS User Unit Receiver Transmitter, User Readout Device, Install Kit, Pwr Adapter											
***											
** ENM unit costs are driven by unique platform design and accessory equipment. The total ENM cost including Government Furnished Equipment is \$300 thousand.											
***											
<b>Total:</b>			<b>31042</b>			<b>35971</b>			<b>1944</b>		



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

Date:  
May 2009

Appropriation/Budget Activity/Serial No: Other Procurement, Army/ 2/ Communications and Electronics Equipment		Weapon System Type:	P-1 Line Item Nomenclature: ARMY DATA DISTRIBUTION SYSTEM (DATA RADIO) (BU1400)							
WBS Cost Elements:	Contractor and Location	Contract Method and Type	Location of PCO	Award Date	Date of First Delivery	QTY Each	Unit Cost \$000	Specs Avail Now?	Date Revsn Avail	RFP Issue Date
<b>EPLRS User Unit Receiver Transmitter</b>										
FY 2008	Raytheon Systems Co II Forest, MS	SS/FFP	CECOM	Nov 08	Dec 09	500	24.776	Yes		May 08
FY 2009	Raytheon Systems Co II Forest, MS	SS/FFP	CECOM	Feb 09	Mar 10	400	25.268	Yes		May 08
FY 2010	Raytheon Systems Co II Forest, MS	SS/FFP	CECOM	Feb 10	Mar 11			Yes		May 08

REMARKS: FY10 - FY11 will be available for other customer procurement.

**FY 08 / 09 BUDGET PRODUCTION SCHEDULE**

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

Date: May 2009

COST ELEMENTS						Fiscal Year 08											Fiscal Year 09											Later			
MFR	FY	SERV	PROC QTY Units	ACCEP PRIOR TO 1 OCT	BAL DUE AS OF 1 OCT	Calendar Year 08											Calendar Year 09														
						OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL		AUG	SEP	
EPLRS User Unit Radio Set Hardware *																															
1	FY 08	A	500	0	500																								500		
1	FY 08	AF	412	0	412										A														35	377	
1	FY 08	OTH	111	0	111									A															30	81	
1	FY 09	A	400	0	400																									400	
1	FY 09	AF	37	0	37																									37	
1	FY 09	OTH	70	0	70																									70	
Total					1530																									65	1465

MFR	Name - Location	PRODUCTION RATES			Reached D+	MFR	ADMIN LEAD TIME		MFR After 1 Oct	TOTAL After 1 Oct	REMARKS	
		MIN	1-8-5	MAX			Prior 1 Oct	After 1 Oct				
1	Raytheon Systems Co II, Forest, MS	65	200	300	1	1	Initial	0	5	11	16	NA- Navy ANG- Air Force National Guard OTH- Other PM Funded Radio NG- Army National Guard A- Army MC- Marine Corps AF- Air Force
						1	Reorder	0	3	13	16	
							Initial					
							Reorder					
							Initial					
							Reorder					
							Initial					
							Reorder					

**FY 10 / 11 BUDGET PRODUCTION SCHEDULE**

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

Date: May 2009

COST ELEMENTS						Fiscal Year 10												Fiscal Year 11												Later
MFR	FY	SERV	PROC QTY Units	ACCEP PRIOR TO 1 OCT	BAL DUE AS OF 1 OCT	Calendar Year 10												Calendar Year 11												
						OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	
EPLRS User Unit Radio Set Hardware *																														
1	FY 08	A	500	0	500			200	200	100																		0		
1	FY 08	AF	412	35	377	100	177	100																				0		
1	FY 08	OTH	111	30	81	30	51																					0		
1	FY 09	A	400	0	400						100	200	100															0		
1	FY 09	AF	37	0	37						37																	0		
1	FY 09	OTH	70	0	70						70																	0		
Total						1465	130	228	300	200	100	207	200	100																
						OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	

MFR	Name - Location	PRODUCTION RATES			Reached D+	MFR	ADMIN LEAD TIME		MFR After 1 Oct	TOTAL After 1 Oct	REMARKS	
		MIN	1-8-5	MAX			Prior 1 Oct	After 1 Oct				
1	Raytheon Systems Co II, Forest, MS	65	200	300	1	1	Initial	0	5	11	16	
							Reorder	0	3	13	16	
							Initial					
							Reorder					
							Initial					
							Reorder					
							Initial					
							Reorder					
							Initial					
							Reorder					

<b>Exhibit P-40, Budget Item Justification Sheet</b>	Date: May 2009
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Appropriation / Budget Activity / Serial No: Other Procurement, Army / 2 / Communications and Electronics Equipment	P-1 Item Nomenclature Joint Tactical Radio System (B90000)
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Program Elements for Code B Items:	Code:	Other Related Program Elements:
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	Prior Years	FY 2008	FY 2009	FY 2010	To Complete	Total Prog
Proc Qty						
Gross Cost				90.2	Continuing	Continuing
Less PY Adv Proc						
Plus CY Adv Proc						
Net Proc P1				90.2	Continuing	Continuing
Initial Spares						
Total Proc Cost				90.2	Continuing	Continuing
Flyaway U/C						
Weapon System Proc U/C					Continuing	Continuing

**Description:**  
 B90000 is a summary of B90100 (Joint Tactical Radio System, Ground Mobile Radio) and B90210 (Joint Tactical Radio System, Handheld, Manpack and Small Form Fit). The Joint Tactical Radio System (JTRS) Ground Mobile Radios (GMR) and Handheld, Manpack, Small Form Fit (HMS) are products overseen by the JTRS Ground Domain (JGD) Program Management Office under the Joint Program Executive Office (JPEO) JTRS. JTRS is the Department of Defense (DoD) family of common software-defined programmable radios that will form the foundation of information radio frequency transmission for Joint Vision 2020. JTRS will provide transformational communication capabilities for the warfighter.

The JTRS GMR meets the radio requirements for all ground vehicles. The JTRS GMR will provide networking capability using the Wideband Networking Waveform (WNW) and Soldier Radio Waveform (SRW) to connect the unmanned sensors to the decision makers "On-The-Move" (OTM) which will significantly reduce the decision cycle. JTRS GMR will provide the warfighter with mobile Internet-like capabilities such as voice, data, networking and video communications, as well as interoperability with current force and other JTRS radios across the battlespace using the new networking Waveforms and current Waveforms.

The JTRS HMS meets the radio requirements for soldiers and small platforms (such as missiles and ground sensors). The JTRS HMS consists of Small Form Fit (SFF)-A (1 and 2-channel) and SFF-Cv(1) running SRW for use in a sensitive but unclassified environment (Type 2), 2-channel Manpack, 2-channel Handheld, SFF-B, SFF-D, and SFF-J, which are all Type 1 compliant for use in a classified environment running SRW, Ultra High Frequency (UHF) SATCOM, High Frequency (HF), Enhanced Position Location and Reporting System (EPLRS), and Single Channel Ground and Airborne Radio system (SINCGARS) Waveforms. The SFF type A platform receives will depend on the mission and configuration.

Under B90100, JTRS Airborne Maritime and Fixed Station (AMF) is a product line overseen by the JTRS AMF Program Management Office. JTRS AMF is intended to support communications readiness and mission success, in the 2 MegaHertz (MHz) to 2 GigaHertz (GHz) operating frequency range, by providing military commanders with the ability to command, control and communicate with their forces via secure voice/video/data media forms. JTRS AMF will provide the Warfighter with a modernized communications capability for more effective battlefield management and interoperability. JTRS AMF is a key enabler for the transformation of airborne communications toward network-centric operations. JTRS AMF is designed to perform as a reliable and dynamic family of advanced communications systems. As a result, JTRS AMF will be a hardware-configurable and software-programmable radio system that provides increased interoperability, flexibility and adaptability to support varied mission requirements. The system is multi-functional, multi-band, multi-mode, network capable and capable of providing communications through a range of low probability of intercept, low probability of detection and anti-jam waveforms. JTRS AMF consists of Small Airborne (SA) and Maritime/Fixed (MF) radios. JTRS AMF will operate with legacy

<b>Exhibit P-40, Budget Item Justification Sheet</b>		Date: May 2009
Appropriation / Budget Activity / Serial No: Other Procurement, Army / 2 / Communications and Electronics Equipment		P-1 Item Nomenclature Joint Tactical Radio System (B90000)
Program Elements for Code B Items:	Code:	Other Related Program Elements:
<p>equipment and waveforms currently used by civilian and military airborne, surface, subsurface, and fixed station platforms. JTRS AMF is intended to replace existing legacy radio systems, which are currently facing long-term sustainment issues and diminishing sources of material support. JTRS AMF capabilities will be developed in an incremental approach, with each increment building on the technological achievements of its predecessor, while providing expanded capabilities.</p> <p><b>Justification:</b>  FY2010 Base dollars in the amount of \$90.204 million procures 72 JTRS GMR 4-channel radios which will be used to support the Multi-Service Operational Test and Evaluation (MOT&amp;E) and 5,270 JTRS HMS radios for Low Rate Initial Production (LRIP).</p>		

<b>Exhibit P-5, Weapon OPA2 Cost Analysis</b>	Appropriation/Budget Activity/Serial No: Other Procurement, Army / 2 / Communications and Electronics Equipment	P-1 Line Item Nomenclature: Joint Tactical Radio System (B90000)			Weapon System Type:	Date: May 2009					
<b>OPA2 Cost Elements</b>		ID	<b>FY 08</b>			<b>FY 09</b>			<b>FY 10</b>		
		CD	Total Cost	Qty	Unit Cost	Total Cost	Qty	Unit Cost	Total Cost	Qty	Unit Cost
			\$000	Each	\$000	\$000	Each	\$000	\$000	Each	\$000
JTRS GMR B-Kit								19536	72	271	
JTRS GMR Other Procurement								35628			
<b>JTRS GMR (Total)</b>								<b>55164</b>			
JTRS HMS B-Kit								15203	5270	3	
JTRS HMS Other Procurement								19837			
<b>JTRS HMS (Total)</b>								<b>35040</b>			
<b>Total:</b>								<b>90204</b>			

<b>Exhibit P-40, Budget Item Justification Sheet</b>						Date: May 2009
Appropriation / Budget Activity / Serial No: Other Procurement, Army / 2 / Communications and Electronics Equipment				P-1 Item Nomenclature JTRS Cluster 1 (GMR) (B90100)		
Program Elements for Code B Items:		Code:	Other Related Program Elements:			
	Prior Years	FY 2008	FY 2009	FY 2010	To Complete	Total Prog
Proc Qty						
Gross Cost				55.2	Continuing	Continuing
Less PY Adv Proc						
Plus CY Adv Proc						
Net Proc P1				55.2	Continuing	Continuing
Initial Spares						
Total Proc Cost				55.2	Continuing	Continuing
Flyaway U/C						
Weapon System Proc U/C					Continuing	Continuing
<b>Description:</b>						
<p>Joint Tactical Radio System (JTRS) Ground Mobile Radios (GMR) is a product line overseen by the JTRS Ground Domain (JGD) Program Management Office. JTRS is the Department of Defense (DoD) family of common software-defined programmable radios that will form the foundation of information radio frequency transmission for Joint Vision 2020. JTRS will provide transformational communication capabilities for the warfighter. The JTRS GMR meets the radio requirements for all ground vehicles. The JTRS GMR will provide networking capability using the Wideband Networking Waveform and Soldier Radio Waveform to connect the unmanned sensors to the decision makers "On-The-Move" (OTM) which will significantly reduce the decision cycle. JTRS GMR will provide the warfighter with mobile Internet-like capabilities such as voice, data, networking and video communications, as well as interoperability with current force and other JTRS radios across the battlespace using the new networking Waveforms and current Waveforms.</p> <p>JTRS Airborne Maritime and Fixed Station (AMF) is a product line overseen by the JTRS AMF Program Management Office. JTRS AMF is intended to support communications readiness and mission success, in the 2 MegaHertz (MHz) to 2 GigaHertz (GHz) operating frequency range, by providing military commanders with the ability to command, control and communicate with their forces via secure voice/video/data media forms. JTRS AMF will provide the Warfighter with a modernized communications capability for more effective battlefield management and interoperability. JTRS AMF is a key enabler for the transformation of airborne communications toward network-centric operations. JTRS AMF is designed to perform as a reliable and dynamic family of advanced communications systems. As a result, JTRS AMF will be a hardware-configurable and software-programmable radio system that provides increased interoperability, flexibility and adaptability to support varied mission requirements. The system is multi-functional, multi-band, multi-mode, network capable and capable of providing communications through a range of low probability of intercept, low probability of detection and anti-jam waveforms. JTRS AMF consists of Small Airborne (SA) and Maritime/Fixed (MF) radios. JTRS AMF will operate with legacy equipment and waveforms currently used by civilian and military airborne, surface, subsurface, and fixed station platforms. JTRS AMF is intended to replace existing legacy radio systems, which are currently facing long-term sustainment issues and diminishing sources of material support. JTRS AMF capabilities will be developed in an incremental approach, with each increment building on the technological achievements of its predecessor, while providing expanded capabilities.</p>						
<b>Justification:</b>						
FY2010 procures 72 four-channel radios which will be used to support the Multi-Service Operational Test and Evaluation (MOT&E).						
FY10 funding is for Active Compo.						

<b>OPA2 Cost Elements</b>		ID	<b>FY 08</b>			<b>FY 09</b>			<b>FY 10</b>		
		CD	Total Cost	Qty	Unit Cost	Total Cost	Qty	Unit Cost	Total Cost	Qty	Unit Cost
			\$000	Each	\$000	\$000	Each	\$000	\$000	Each	\$000
JTRS GMR											
JTRS GMR B-Kit									19535	72	271
Engineering Change Order (ECO)									1367		
Systems Test and Evaluation / NRE									7997		
Contractor Program Management									3397		
Project Management Administration									19555		
Data/Training/Support Equipment									826		
Fielding									2487		
Modifications / Tech Insertions											
<b>Total:</b>									<b>55164</b>		



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

Date:  
May 2009

Appropriation/Budget Activity/Serial No: Other Procurement, Army/ 2/ Communications and Electronics Equipment		Weapon System Type:	P-1 Line Item Nomenclature: JTRS Cluster 1 (GMR) (B90100)							
WBS Cost Elements:	Contractor and Location	Contract Method and Type	Location of PCO	Award Date	Date of First Delivery	QTY Each	Unit Cost \$000	Specs Avail Now?	Date Revsn Avail	RFP Issue Date
<b>JTRS GMR B-Kit</b> FY 2010	Boeing Huntington Beach, CA	CPAF/FFP	San Diego, CA	Oct 10	Oct 11	72	271	NO	TBD	TBD

REMARKS: The Joint Tactical Radio System (JTRS) Ground Mobile Radios (GMR) contract is a cost plus award fee (CPAF) during SDD with Firm Fixed Price (FFP) Options.

**FY 10 / 11 BUDGET PRODUCTION SCHEDULE**

P-1 ITEM NOMENCLATURE  
JTRS Cluster 1 (GMR) (B90100)

Date: May 2009

COST ELEMENTS						Fiscal Year 10														Fiscal Year 11														Later
M F R	FY	S E R V	PROC QTY Each	ACCEP PRIOR TO 1 OCT	BAL DUE AS OF 1 OCT	Calendar Year 10														Calendar Year 11														
						O	N	D	J	F	M	A	M	J	J	A	S	O	N	D	J	F	M	A	M	J	J	A	S					
						C	V	E	A	E	A	P	A	U	U	U	E	C	O	V	E	A	E	A	P	A	U	U	U	E				

JTRS GMR B-Kit																															
1	FY 10	A	72	0	72																										72
1	FY 10	MC	10	0	10																										10
					82																									82	
						O	N	D	J	F	M	A	M	J	J	A	S	O	N	D	J	F	M	A	M	J	J	A	S		
						C	V	E	A	E	A	P	A	U	U	U	E	C	O	V	E	A	E	A	P	A	U	U	U	E	

M F R	Name - Location	PRODUCTION RATES			Reached D+	MFR	ADMIN LEAD TIME		MFR After 1 Oct	TOTAL After 1 Oct	REMARKS
		MIN	1-8-5	MAX			Prior 1 Oct	After 1 Oct			
		1	Boeing, Huntington Beach, CA	12	420	500	1	Initial	4	0	
						Reorder	2	0	12	12	
						Initial					
						Reorder					
						Initial					
						Reorder					
						Initial					
						Reorder					

<b>FY 12 / 13 BUDGET PRODUCTION SCHEDULE</b>	P-1 ITEM NOMENCLATURE JTRS Cluster 1 (GMR) (B90100)	Date: May 2009
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COST ELEMENTS						Fiscal Year 12												Fiscal Year 13												Later
M F R	FY	S E R V	PROC QTY Each	ACCEP PRIOR TO 1 OCT	BAL DUE AS OF 1 OCT	Calendar Year 12												Calendar Year 13												
						O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	

JTRS GMR B-Kit																																		
1	FY 10	A	72	0	72	6	6	6	6	6	6	6	6	6	6	6																	0	
1	FY 10	MC	10	0	10	1	1	1	1	1	1	1	1	1																			0	
Total						82	7	7	7	7	7	7	7	7	7	6	6																	
						O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P					

M F R	Name - Location	PRODUCTION RATES			Reached D+	MFR	ADMIN LEAD TIME		MFR After 1 Oct	TOTAL After 1 Oct	REMARKS	
		MIN	1-8-5	MAX			1	Initial				Reorder
1	Boeing, Huntington Beach, CA	12	420	500		1	Initial	4	0	12	12	
							Reorder	2	0	12	12	
							Initial					
							Reorder					
							Initial					
							Reorder					
							Initial					
							Reorder					
							Initial					
							Reorder					

<b>Exhibit P-40, Budget Item Justification Sheet</b>						Date: May 2009
Appropriation / Budget Activity / Serial No: Other Procurement, Army / 2 / Communications and Electronics Equipment				P-1 Item Nomenclature JTRS Cluster 5 (Handheld) (B90210)		
Program Elements for Code B Items:		Code:	Other Related Program Elements:			
	Prior Years	FY 2008	FY 2009	FY 2010	To Complete	Total Prog
Proc Qty						
Gross Cost				35.0	Continuing	Continuing
Less PY Adv Proc						
Plus CY Adv Proc						
Net Proc P1				35.0	Continuing	Continuing
Initial Spares						
Total Proc Cost				35.0	Continuing	Continuing
Flyaway U/C						
Weapon System Proc U/C					Continuing	Continuing
<b>Description:</b> The Joint Tactical Radio System (JTRS) Handheld, Manpack and Small Form Fit (HMS) is a product line overseen by the JTRS Ground Domain Program Management Office. JTRS is the DoD family of common software-defined programmable radios that will form the foundation of information radio frequency transmission for Joint Vision 2020. HMS provides a software re-programmable, networkable, multi-band, multi-mode system capable of simultaneous voice/data/video communication. The JTRS HMS meets the radio requirements for soldiers and small platforms (such as missiles and ground sensors). JTRS HMS consists of SFF-A (1 and 2 Channel) and SFF-Cv(1) running Soldier Radio Waveform (SRW) for use in a sensitive but unclassified environment (Type 2), the 2 Channel Manpack, 2 Channel Handheld, SFF-B, SFF-D, and SFF-J, which are all Type 1 compliant for use in a classified environment running SRW, Ultra High Frequency (UHF), Satellite Communications (SATCOM), High Frequency (HF), Enhanced Position Location and Reporting System (EPLRS), and Single Channel Ground to Air Radio System (SINCGARS) Waveforms. The SFF type a platform receives will depend on the mission and configuration.						
<b>Justification:</b> FY2010 procures 5,270 SFF-Cv(1) radios.  FY10 funding is for the Active Compo.						

<b>Exhibit P-5, Weapon OPA2 Cost Analysis</b>	Appropriation/Budget Activity/Serial No: Other Procurement, Army / 2 / Communications and Electronics Equipment	P-1 Line Item Nomenclature: JTRS Cluster 5 (Handheld) (B90210)			Weapon System Type:	Date: May 2009				
<b>OPA2 Cost Elements</b>	ID	<b>FY 08</b>			<b>FY 09</b>			<b>FY 10</b>		
	CD	Total Cost	Qty	Unit Cost	Total Cost	Qty	Unit Cost	Total Cost	Qty	Unit Cost
		\$000	Each	\$000	\$000	Each	\$000	\$000	Each	\$000
Hardware NRE								1111		
Manufacturing - SFF-C(v)1								15203	5270	3
Manufacturing - MP/HH								6393		
Other Hardware								1340		
Engineering Changes								8412		
Systems Engineering/ Management								1738		
Systems Engineering Test & Evaluation								33		
Data								789		
Contractor Testing								21		
Fielding										
Tech Refresh										
Other										
<b>Total:</b>								<b>35040</b>		

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

Date:  
May 2009

Appropriation/Budget Activity/Serial No: Other Procurement, Army/ 2/ Communications and Electronics Equipment		Weapon System Type:	P-1 Line Item Nomenclature: JTRS Cluster 5 (Handheld) (B90210)							
WBS Cost Elements:	Contractor and Location	Contract Method and Type	Location of PCO	Award Date	Date of First Delivery	QTY Each	Unit Cost \$000	Specs Avail Now?	Date Revsn Avail	RFP Issue Date
<b>Other</b> FY 2010	General Dynamics C4 Systems Scottsdale, AZ	CPAF/FFP	San Diego, CA	Oct 10	Apr 11	5270	3	NO	TBD	TBD

REMARKS: The Joint Tactical Radio System (JTRS) Handheld, Manpack, and Small Form Fit (HMS) contract is a Cost Plus Award Fee (CPAF) during System Design and Development (SDD) with Firm Fixed Price (FFP) Options for the first two years of low rate initial production for each Program Phase.



<b>FY 12 / 13 BUDGET PRODUCTION SCHEDULE</b>	P-1 ITEM NOMENCLATURE JTRS Cluster 5 (Handheld) (B90210)	Date: May 2009
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COST ELEMENTS						Fiscal Year 12												Fiscal Year 13												Later
M F R	FY	S E R V	PROC QTY Each	ACCEP PRIOR TO 1 OCT	BAL DUE AS OF 1 OCT	Calendar Year 12												Calendar Year 13												
						O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	

JTRS HMS B-Kit																																
1	FY 10	A	5270	2634	2636	439	439	439	439	440	440																					0
1	FY 10	OTH	236	136	100	20	20	20	20	20																						0
Total						2736	459	459	459	459	460	440																				
						O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P			

M F R	Name - Location	PRODUCTION RATES			Reached D+	MFR	ADMIN LEAD TIME		MFR After 1 Oct	TOTAL After 1 Oct	REMARKS	
		MIN	1-8-5	MAX			Prior 1 Oct	After 1 Oct				
1	General Dynamics C4 Systems, Scottsdale, AZ	12	600	833		1	Initial	0	10	6	16	
							Reorder	0	10	6	16	
							Initial					
							Reorder					
							Initial					
							Reorder					
							Initial					
							Reorder					
							Initial					
							Reorder					



<b>Exhibit P-40, Budget Item Justification Sheet</b>						Date: May 2009
Appropriation / Budget Activity / Serial No: Other Procurement, Army / 2 / Communications and Electronics Equipment				P-1 Item Nomenclature Radio Terminal Set, MIDS LVT(2) (B22603)		
Program Elements for Code B Items:		Code:	Other Related Program Elements:			
	Prior Years	FY 2008	FY 2009	FY 2010	To Complete	Total Prog
Proc Qty						
Gross Cost	12.1	31.8	8.5	8.5	Continuing	Continuing
Less PY Adv Proc					Continuing	Continuing
Plus CY Adv Proc						
Net Proc P1	12.1	31.8	8.5	8.5	Continuing	Continuing
Initial Spares						
Total Proc Cost	12.1	31.8	8.5	8.5	Continuing	Continuing
Flyaway U/C						
Weapon System Proc U/C					Continuing	Continuing
<b>Description:</b> The Multifunctional Information Distribution System Low Volume Terminal (MIDS LVT) is a subsystem of a tactical platform's (eg: Patriot) communication system, which enables the platform to exchange tactical digital information with other platforms equipped with a MIDS terminal or Joint Tactical Information Distribution System (JTIDS) Class 2 terminal. The MIDS LVT provides tactical digital information exchange among fighter aircraft, airborne command and control, Ground Air Defense and shipboard platforms. The Army variant, MIDS LVT(2), operates in a Time Division Multiple Access mode. It consists of three Line Replaceable Units (Main Terminal, Power Supply Assembly and Cooling Unit) mounted on a mounting plate which will fit into an existing JTIDS Class 2M mount making the MIDS LVT(2) and JTIDS Class 2M terminals physically and functionally interchangeable.						
<b>Justification:</b> FY2010 Base procurement dollars in the amount of \$8,549,000 support procurement of MIDS LVT(2) terminals for the Air Missile Defense Command and Control System (AMDCCS) to outfit the Air Defense Artillery Management (ADAM) Cells and the Medium Extended Air Defense System (MEADS) in support of the Army Transformation Plan. FY2010 Base dollars also procure system project management and software support for the MIDS LVT(2) terminals for various platforms including Patriot, Terminal High Altitude Air Defense (THAAD), Joint Land Attack Cruise Missile Defense Elevated Netted Sensor (JLENS), Surface Launched Advanced Medium Range Air to Air Missile (SLAMRAM), ADAM Cells, MEADS, Counter Rocket Artillery and Mortar (C-RAM), Joint Tactical Ground Station (JTAGS), Integrated Air and Missile Defense (IAMD) and Unmanned Aerial System (UAS).  FY2010 procurement Overseas Contingency Operations (OCO) dollars are \$0.						

Exhibit P-5, Weapon OPA2 Cost Analysis	Appropriation/Budget Activity/Serial No: Other Procurement, Army / 2 / Communications and Electronics Equipment	P-1 Line Item Nomenclature: Radio Terminal Set, MIDS LVT(2) (B22603)			Weapon System Type:	Date: May 2009					
OPA2 Cost Elements		ID CD	FY 08			FY 09			FY 10		
			Total Cost	Qty	Unit Cost	Total Cost	Qty	Unit Cost	Total Cost	Qty	Unit Cost
			\$000	Units	\$000	\$000	Units	\$000	\$000	Units	\$000
Hardware - ViaSat (1)			26326	114	231	7140	28	255	6500	25	260
Hardware - DLS (1)			3226	13	248						
Other Hardware			635								
Program Management Support			1311			801			850		
Software Support			191			365			825		
Engineering						239			374		
Logistics			81								
* (1) The Multifunctional Information Distribution System Low Volume Terminal MIDS LVT(2) hardware includes the Main Terminal Line Replaceable Unit (LRU), Mounting Base LRU, Cooling Unit LRU, Power Supply Assembly LRU, Army interconnecting cables and a four year (no associated hours) warranty. The unit cost is based on the total number of quantities procured from all services. These are Navy contracts.											
<b>Total:</b>			<b>31770</b>			<b>8545</b>			<b>8549</b>		

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

Date:  
May 2009

WBS Cost Elements:	Contractor and Location	Contract Method and Type	Location of PCO	Award Date	Date of First Delivery	QTY Units	Unit Cost \$000	Specs Avail Now?	Date Revsn Avail	RFP Issue Date
Appropriation/Budget Activity/Serial No: Other Procurement, Army/ 2/ Communications and Electronics Equipment										
		Weapon System Type:	P-1 Line Item Nomenclature: Radio Terminal Set, MIDS LVT(2) (B22603)							
<b>Hardware - ViaSat (1)</b> FY 2008	ViaSat Carlsbad, California	Comp/FFP	SPAWAR, San Diego, California	Jun 08	May 09	114	231	Yes		Jan 08
FY 2009	ViaSat Carlsbad, California	Comp/FFP	SPAWAR, San Diego, California	Jun 09	May 10	28	255	Yes		Jan 09
FY 2010	ViaSat Carlsbad, California	Comp/FFP	SPAWAR, San Diego, California	Jun 10	May 11	25	260	Yes		Mar 10
<b>Hardware - DLS (1)</b> FY 2008	DLS Cedar Rapids, Iowa	Comp/FFP	SPAWAR, San Diego, California	Jun 08	Nov 09	13	248	Yes		Jan 08

REMARKS:

FY 08 / 09 BUDGET PRODUCTION SCHEDULE												P-1 ITEM NOMENCLATURE Radio Terminal Set, MIDS LVT(2) (B22603)									Date: May 2009													
COST ELEMENTS					Fiscal Year 08														Fiscal Year 09															
MFR	FY	S E R V	PROC QTY Units	ACCEP PRIOR TO 1 OCT	BAL DUE AS OF 1 OCT	Calendar Year 08														Calendar Year 09														Later
						O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P					
Hardware - ViaSat (1)																																		
1	FY 08	A	114	0	114																													
1	FY 09	A	28	0	28																													
1	FY 10	A	25	0	25																													
1	FY 08	OTH	23	0	23																													
Hardware - DLS (1)																																		
2	FY 08	A	13	0	13																													
Total																																		
					203																													
						O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P					
MFR	Name - Location					PRODUCTION RATES			Reached	MFR	ADMIN LEAD TIME		MFR	TOTAL	REMARKS																			
						MIN	1-8-5	MAX	D+		Prior 1 Oct	After 1 Oct	After 1 Oct	After 1 Oct																				
1	ViaSat, Carlsbad, California					10	30	36		1	Initial	0	6	12	18																			
											Reorder	3	0	11	11																			
2	DLS, Cedar Rapids, Iowa					7	10	36		2	Initial	0	6	17	23																			
											Reorder	3	0	12	12																			
											Initial																							
											Reorder																							
											Initial																							
											Reorder																							
											Initial																							
											Reorder																							

**FY 10 / 11 BUDGET PRODUCTION SCHEDULE**

P-1 ITEM NOMENCLATURE  
Radio Terminal Set, MIDS LVT(2) (B22603)

Date: May 2009

COST ELEMENTS						Fiscal Year 10												Fiscal Year 11												Later
MFR	FY	S E R V	PROC QTY Units	ACCEP PRIOR TO 1 OCT	BAL DUE AS OF 1 OCT	Calendar Year 10												Calendar Year 11												
						O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	
Hardware - ViaSat (1)																														
1	FY 08	A	114	50	64	10	11	12	12	11	8																	0		
1	FY 09	A	28	0	28								10	10	8													0		
1	FY 10	A	25	0	25									A												10	15	0		
1	FY 08	OTH	23	9	14	2	2	2	3	3	1	1																0		
Hardware - DLS (1)																														
2	FY 08	A	13	0	13		1	1	2	3	3	3																0		
Total						144	12	14	15	17	17	12	4	10	10	8											10	15		
						O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	

MFR	Name - Location	PRODUCTION RATES			Reached D+	MFR	ADMIN LEAD TIME		MFR After 1 Oct	TOTAL After 1 Oct	REMARKS	
		MIN	1-8-5	MAX			Prior 1 Oct	After 1 Oct				
1	ViaSat, Carlsbad, California	10	30	36		1	Initial	0	6	12	18	All buys are procured off of the Navy contract with the Navy as the lead service. Minimum contract deliveries are met with Army and other service procurements not shown here.
							Reorder	3	0	11	11	
2	DLS, Cedar Rapids, Iowa	7	10	36		2	Initial	0	6	17	23	
							Reorder	3	0	12	12	
							Initial					
							Reorder					
							Initial					
							Reorder					
							Initial					
							Reorder					

<b>Exhibit P-40, Budget Item Justification Sheet</b>						Date: May 2009	
Appropriation / Budget Activity / Serial No: Other Procurement, Army / 2 / Communications and Electronics Equipment				P-1 Item Nomenclature SINCGARS FAMILY (BW0006)			
Program Elements for Code B Items:		Code:		Other Related Program Elements:			
	Prior Years	FY 2008	FY 2009	FY 2010	To Complete	Total Prog	
Proc Qty							
Gross Cost	5261.3	502.4	187.0	135.0	Continuing	Continuing	
Less PY Adv Proc							
Plus CY Adv Proc							
Net Proc P1	5261.3	502.4	187.0	135.0	Continuing	Continuing	
Initial Spares	15.0						15.0
Total Proc Cost	5276.3	502.4	187.0	135.0	Continuing	Continuing	
Flyaway U/C							
Weapon System Proc U/C					Continuing	Continuing	
<b>Description:</b>							
<p>The Single Channel Ground and Airborne Radio System (SINCGARS) VHF-FM Radio Communications System provides the primary means of command and control for combat/combat support/combat service support units. The SINCGARS radio provides state-of-the-art communications in manpack, vehicle, and airborne configurations. Its Frequency-Hopping and jam resistant capabilities offset current threat jamming techniques. SINCGARS continues its evolutionary development with the fielding of the Advanced SINCGARS System Improvement Program (ASIP) radio. The SINCGARS ASIP radio provides for enhanced data and voice communications while using commercial Internet Protocols. The SINCGARS radio is an essential component of the Tactical Internet enabling commanders to conduct operations on the digitized battlefield. The family of SINCGARS radios is employed on such systems as the Bradley M2A3, Patriot, ABRAMS M1A2 System Enhancement Program (SEP), and the Longbow Apache.</p>							
<b>Justification:</b>							
<p>FY2010 Base procurement dollars in the amount of \$6,812,000 support program management and fielding support for fielded ground ASIP radios for high priority National Guard units; and supports a SINCGARS radio in all Combat Service / Combat Service Support tactical wheeled vehicles critical to the support of the Overseas Contingency Operations (OCO), Modularity and homeland defense.</p> <p>FY2010 OCO procurement dollars in the amount of \$128,180,000 support radio procurement, Total Package Fielding and procurement of GRM-122 accessories. The planned procurement of 6,409 receiver transmitters are for battle loss and do not count against the AAO.</p>							

<b>Exhibit P-40, Budget Item Justification Sheet</b>						Date: May 2009	
Appropriation / Budget Activity / Serial No: Other Procurement, Army / 2 / Communications and Electronics Equipment				P-1 Item Nomenclature SINCGARS - GROUND (B00500)			
Program Elements for Code B Items:		Code:		Other Related Program Elements:			
	Prior Years	FY 2008	FY 2009	FY 2010	To Complete	Total Prog	
Proc Qty							
Gross Cost	5261.3	502.4	187.0	135.0	Continuing	Continuing	
Less PY Adv Proc							
Plus CY Adv Proc							
Net Proc P1	5261.3	502.4	187.0	135.0	Continuing	Continuing	
Initial Spares	15.0					15.0	
Total Proc Cost	5276.3	502.4	187.0	135.0	Continuing	Continuing	
Flyaway U/C							
Weapon System Proc U/C					Continuing	Continuing	
<b>Description:</b>							
<p>The Single Channel Ground and Airborne Radio System (SINCGARS) VHF-FM Radio Communications System provides the primary means of command and control for combat/combat support/combat service support units. The SINCGARS radio provides state-of-the-art communications in man pack, vehicle, and airborne configurations. Its Frequency-Hopping and jam resistant capabilities offset current threat jamming techniques. SINCGARS continues its evolutionary development with the fielding of the Advanced SINCGARS System Improvement Program (ASIP) radio. The SINCGARS ASIP radio provides for enhanced data and voice communications while using commercial Internet Protocols. The SINCGARS radio is an essential component of the Tactical Internet enabling commanders to conduct operations on the digitized battlefield. The family of SINCGARS radios is employed on such systems as the Bradley M2A3, PATRIOT, ABRAMS M1A2 System Enhancement Program, and the Longbow Apache. The Army Acquisition Objective (AAO) for the ground Receiver Transmitter (RT) is 581,000. SINCGARS quantities for the AAO are counted against the number of receiver transmitters.</p>							
<b>Justification:</b>							
<p>FY2010 Base procurement dollars in the amount of \$6,812,000 support program management and fielding support for fielded ground ASIP radios for RESET and high priority National Guard units; and supports a SINCGARS radio in all Combat Service / Combat Service Support tactical wheeled vehicles critical to the Overseas Contingency Operations (OCO), Modularity and homeland defense.</p> <p>FY2010 OCO procurement dollars in the amount of \$128,180,000 support radio procurement, Total Package Fielding and procurement of GRM-122 accessories. The planned procurement of 6,409 receiver transmitters are for battle loss and do not count against the AAO.</p>							
		FY2008	FY2009	FY2010			
Active	QTY						
	Gross Cost	367941	100000	128180			
National	QTY						
Guard	Gross Cost	134388	87031	6812			

<b>Exhibit P-40, Budget Item Justification Sheet</b>				Date: May 2009
Appropriation / Budget Activity / Serial No: Other Procurement, Army / 2 / Communications and Electronics Equipment			P-1 Item Nomenclature SINGGARS - GROUND (B00500)	
Program Elements for Code B Items:		Code:	Other Related Program Elements:	
Reserve	Qty			
Gross Cost		40	0	0



<b>OPA2 Cost Elements</b>		ID	<b>FY 08</b>			<b>FY 09</b>			<b>FY 10</b>		
		CD	Total Cost	Qty	Unit Cost	Total Cost	Qty	Unit Cost	Total Cost	Qty	Unit Cost
			\$000	Units	\$000	\$000	Units	\$000	\$000	Units	\$000
<b>SINGGARS</b>											
HARDWARE- TBD		A	295235	26804	11	128465	11663	11	70592	6409	11
ENGINEERING			17556			7489					
PROJECT MANAGEMENT ADMIN			17975			2680			4940		
OTHER HARDWARE			101644			29776			11410		
ECP's											
TEST			1972			25					
SOFTWARE			10222			10650					
TOTAL PACKAGE FIELDING			54204			2000			48050		
LOGISTICS			3561			5946					
(1) Hardware costs include the SINGGARS receiver transmitter, vehicular amplifier adapter and power amplifier.											
<b>Total:</b>			<b>502369</b>			<b>187031</b>			<b>134992</b>		

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

Date:  
May 2009

WBS Cost Elements:	Contractor and Location	Contract Method and Type	Location of PCO	Award Date	Date of First Delivery	QTY Each	Unit Cost \$000	Specs Avail Now?	Date Revsn Avail	RFP Issue Date
Appropriation/Budget Activity/Serial No: Other Procurement, Army/ 2/ Communications and Electronics Equipment			Weapon System Type:		P-1 Line Item Nomenclature: SINGGARS - GROUND (B00500)					
<b>HARDWARE- TBD</b>										
FY 2008	TBS TBS	C/FFP	CECOM	May 09	May 10	26804	11	Yes		Dec 08
FY 2009	TBS TBS	C/FFP	CECOM	May 09	May 10	5300	11	Yes		Dec 08
FY 2009	TBS TBS	C/FFP	CECOM	Jul 09	Jul 10	6363	11	Yes		Dec 08
FY 2010	TBS TBS	C/FFP	CECOM	Jul 10	Jul 11	6409	11	Yes		Dec 08

REMARKS:

**FY 09 / 10 BUDGET PRODUCTION SCHEDULE**

P-1 ITEM NOMENCLATURE  
SINGARS - GROUND (B00500)

Date: May 2009

COST ELEMENTS					Fiscal Year 09										Fiscal Year 10										Later	
M F R	FY	S E R V	PROC QTY Units	ACCEP PRIOR TO 1 OCT	BAL DUE AS OF 1 OCT	Calendar Year 09										Calendar Year 10										
						O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	O C T	N O V	D E C	J A N	F E B	M A R	A P R		M A Y

**HARDWARE- TBD**

2	FY 08	A	26804	0	26804																																	2000	2000	2000	2000	2000	16804	
2	FY 09	A	5300	0	5300								A																									1000	1000	1000	1000	1000	300	
2	FY 09	A	6363	0	6363									A																									500	500	500	500	4363	
2	FY 10	A	6409	0	6409																																				A			6409
Total					44876																																	3000	3500	3500	3500	3500	27876	
						O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P															

M F R	Name - Location	PRODUCTION RATES			Reached D+	MFR	ADMIN LEAD TIME		MFR After 1 Oct	TOTAL After 1 Oct	REMARKS	
		MIN	1-8-5	MAX			Prior 1 Oct	After 1 Oct				
							1	Initial	2	6		12
1	ITT, Ft. Wayne, IN	160	5500	10000		1	Initial	2	6	12	18	
							Reorder	2	6	12	18	
2	TBS, TBS	160	5500	10000		2	Initial	2	6	12	18	
							Reorder	2	6	12	18	
							Initial					
							Reorder					
							Initial					
							Reorder					
							Initial					
							Reorder					

<b>FY 11 / 12 BUDGET PRODUCTION SCHEDULE</b>	P-1 ITEM NOMENCLATURE SINGARS - GROUND (B00500)	Date: May 2009
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COST ELEMENTS						Fiscal Year 11													Fiscal Year 12													Later
M F R	FY	S E R V	PROC QTY Units	ACCEP PRIOR TO 1 OCT	BAL DUE AS OF 1 OCT	Calendar Year 11													Calendar Year 12													
						O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P			

HARDWARE- TBD																																					
2	FY 08	A	26804	10000	16804	2000	2804	3000	3000	2000	2000	2000																									0
2	FY 09	A	5300	5000	300	300																															0
2	FY 09	A	6363	2000	4363	500	500	500	500	500	500	700	663																								0
2	FY 10	A	6409	0	6409																																0
<b>Total</b>						27876	2800	3304	3500	3500	2500	2500	2700	663																							
						O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P								

M F R	Name - Location	PRODUCTION RATES			Reached D+	MFR	ADMIN LEAD TIME		MFR After 1 Oct	TOTAL After 1 Oct	REMARKS		
		MIN	1-8-5	MAX			1	Initial				2	6
1	ITT, Ft. Wayne, IN	160	5500	10000		1	Initial	2	6	12	18		
							Reorder	2	6	12	18		
2	TBS, TBS	160	5500	10000		2	Initial	2	6	12	18		
							Reorder	2	6	12	18		
							Initial						
							Reorder						
							Initial						
							Reorder						
							Initial						
							Reorder						

<b>Exhibit P-40, Budget Item Justification Sheet</b>						Date: May 2009
Appropriation / Budget Activity / Serial No: Other Procurement, Army / 2 / Communications and Electronics Equipment				P-1 Item Nomenclature AMC CRITICAL ITEMS - OPA2 (B19920)		
Program Elements for Code B Items:		Code:	Other Related Program Elements:			
	Prior Years	FY 2008	FY 2009	FY 2010	To Complete	Total Prog
Proc Qty						
Gross Cost	27.8	7.9	4.1	100.0	Continuing	Continuing
Less PY Adv Proc					Continuing	Continuing
Plus CY Adv Proc						
Net Proc P1	27.8	7.9	4.1	100.0	Continuing	Continuing
Initial Spares						
Total Proc Cost	27.8	7.9	4.1	100.0	Continuing	Continuing
Flyaway U/C						
Weapon System Proc U/C					Continuing	Continuing
<b>Description:</b> The Army Material Command (AMC) has identified approximately 1800 small Table of Organizational Equipment (TOE) items with identifiable line item numbers (LINS) that have valid unit requirements and support Army force generation requirements. The majority of the LINS are in the sustainment phase of their life cycle and are no longer being acquired by the Army. In some cases there is still a warm production base because of commercial, FMS, or other service demand.  The Army has prioritized these items and has determined that the systems requested are key to supporting current operations and transformation of the Army in support of the Army Campaign Plan.						
<b>Justification:</b> FY10 request will only address critical requirements for (ARPL 1-4) deployed, TRADOC, and Transforming units.  FY08/09/10 is for Active component.						

<b>Exhibit P-40, Budget Item Justification Sheet</b>	Date: May 2009
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Appropriation / Budget Activity / Serial No: Other Procurement, Army / 2 / Communications and Electronics Equipment	P-1 Item Nomenclature Multi-Purpose Informations Operations Sysems (BC3000)
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Program Elements for Code B Items:	Code:	Other Related Program Elements:
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	Prior Years	FY 2008	FY 2009	FY 2010	To Complete	Total Prog
Proc Qty						
Gross Cost	34.4	8.6	7.8	6.7	Continuing	Continuing
Less PY Adv Proc						
Plus CY Adv Proc						
Net Proc P1	34.4	8.6	7.8	6.7	Continuing	Continuing
Initial Spares						
Total Proc Cost	34.4	8.6	7.8	6.7	Continuing	Continuing
Flyaway U/C						
Weapon System Proc U/C					Continuing	Continuing

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

<b>Exhibit P-40, Budget Item Justification Sheet</b>						Date: May 2009
Appropriation / Budget Activity / Serial No: Other Procurement, Army / 2 / Communications and Electronics Equipment				P-1 Item Nomenclature BRIDGE TO FUTURE NETWORKS (BB1500)		
Program Elements for Code B Items:		Code:	Other Related Program Elements:			
	Prior Years	FY 2008	FY 2009	FY 2010	To Complete	Total Prog
Proc Qty						
Gross Cost	3763.1	1599.9				5363.1
Less PY Adv Proc						
Plus CY Adv Proc						
Net Proc P1	3763.1	1599.9				5363.1
Initial Spares						
Total Proc Cost	3763.1	1599.9				5363.1
Flyaway U/C						
Weapon System Proc U/C						
<p><b>Description:</b>            Bridge to Future Networks comprises two components: Area Common User System Modernization (ACUS-Mod), and Joint Network Node - Network (JNN-N).             The ACUS Mod Program executes ongoing and planned modifications, upgrades, and recapitalization of the Mobile Subscriber Equipment (MSE) and Tri-TAC systems as the Army's intermediate-term solution.             The JNN-N communications nodes are part of the Army's effort to realize a Joint Network Transport Capability, replaces elements of the Mobile Subscriber Equipment (MSE) Systems that are currently being used to conduct missions in support of Operation Enduring Freedom/Operation Iraqi Freedom (OEF/OIF). It consists of communications nodes at the Units of Employment Division , Corps, brigade and battalion level, and is a dynamic and rapidly-deployable, early-entry communications system.             As a Bridge to Future Networks (BFN), these systems provide the tactical user an interface to strategic data networks, and Commercial, Joint, Combined, and Coalition communications systems across multiple security levels. The BFN provides a smaller logistical footprint and utilizes commercial Ku satellite (as well as future Ka Systems upgrades). It provides for more rapid set-up and Beyond Line Of Sight communication capabilities.</p> <p><b>Justification:</b>            FY09 and out, continue under the newly restructured WIN-T Ground Forces Tactical Network (SSN BW7100).</p>						

<b>Exhibit P-5, Weapon OPA2 Cost Analysis</b>	Appropriation/Budget Activity/Serial No: Other Procurement, Army / 2 / Communications and Electronics Equipment	P-1 Line Item Nomenclature: BRIDGE TO FUTURE NETWORKS (BB1500)	Weapon System Type:	Date: May 2009
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OPA2 Cost Elements	ID	FY 08			FY 09			FY 10		
	CD	Total Cost	Qty	Unit Cost	Total Cost	Qty	Unit Cost	Total Cost	Qty	Unit Cost
		\$000	Each	\$000	\$000	Each	\$000	\$000	Each	\$000
ACUS Mods		194638								
Joint Network Node		1405288								
<b>Total:</b>		<b>1599926</b>								



<b>Exhibit P-40, Budget Item Justification Sheet</b>						Date: May 2009
Appropriation / Budget Activity / Serial No: Other Procurement, Army / 2 / Communications and Electronics Equipment				P-1 Item Nomenclature ACUS MOD PROGRAM (BB1600)		
Program Elements for Code B Items:		Code: A	Other Related Program Elements:			
	Prior Years	FY 2008	FY 2009	FY 2010	To Complete	Total Prog
Proc Qty						
Gross Cost	1835.6	194.6				2030.2
Less PY Adv Proc						
Plus CY Adv Proc						
Net Proc P1	1835.6	194.6				2030.2
Initial Spares						
Total Proc Cost	1835.6	194.6				2030.2
Flyaway U/C						
Weapon System Proc U/C						
<b>Description:</b>						
<p>The Area Common User System Modernization (ACUS-Mod) Program provides ongoing and planned modifications, upgrades, and recapitalization of the Mobile Subscriber Equipment (MSE) and Tri-TAC systems as the Army's intermediate-term solution.</p> <p>ACUS Mod systems provide enhanced long-haul data communications bandwidth and increased throughput to the Brigade Tactical Operations Center (TOC) via the 8Mbps/Tactical High Speed Data Network (THSDN) technology which uses a combination of tactical (circuit cards) and commercial (routers) equipment, and the AN/GRC-245 High Capacity Line-of-Sight Radio (HCLOS) which is the next-generation line-of-sight radio which replaces the AN/GRC-226 radios in the AN/TRC-190 family of transmission assemblages.</p> <p>ACUS Mod provides an increased transmission capability between data switches for the digitized battlefield. Equipment fielded in support of this requirement include the Network Operations Center-Vehicle (NOC-V), a tactical shelterized vehicle that provides an integrated means to plan, manage, monitor, control, protect, and support TOC Local Area Network and Tactical Internet communications. The NOC-V also provides phone (voice over IP) connectivity within the TOC and to other combat units when connected to a Brigade Subscriber Node (BSN). The BSN, also a tactical shelterized vehicle, is an integrated switching/transmission shelter providing voice/data/video capabilities for the SBCTs. Additional ACUS Mod battlefield technologies include Battlefield Video Teleconferencing (BVTC), which provides internetworking of video terminals, and the AN/TTC-58(V) Baseband Node (BBN), which is a technology insertion effort for Joint Task Force /Joint Forces Land Component Commander and Staff and will provide for downsized Large Extension Node data capability. Other ACUS Mod equipment includes the Single Shelter Switch (SSS) (AN/TTC-56), Troposcatter AN/TRC-170, the Secure Wireless LAN (SWLAN), FAX (AN/UXC-10) and the High Mobility Digital Group Multiplexer assemblage (HMDA) which provides 25 miles of line-of-sight transmission and 12 miles of fiber optic range in conjunction with several radio terminals and repeaters.</p>						
<b>Justification:</b>						
In FY09 and out, this program continues under newly restructured WIN-T Ground Forces Tactical Network program, WIN T-ACUS MOD (SSN BW7130).						

<b>OPA2 Cost Elements</b>		ID	<b>FY 08</b>			<b>FY 09</b>			<b>FY 10</b>		
		CD	Total Cost	Qty	Unit Cost	Total Cost	Qty	Unit Cost	Total Cost	Qty	Unit Cost
			\$000	Units	\$000	\$000	Units	\$000	\$000	Units	\$000
AN/TTC-56 (SSS) Upgrade			14000	4	3500						
AN/TRC-190 (HCLoS) Radio Terminals			27531	437	63						
AN/TYQ-122 (BITS/BVTC)			26406	162	163						
AN/TRC-170 (TROPOSCATTER) Upgrade			6250	25	250						
AN/UXC-10(FAX)			1547	91	17						
Other Hardware			74279								
Software			714								
Total Package Fielding			12116								
Logistics			13216								
Engineering			6768								
Testing			1849								
Program Management			9961								
<b>Total:</b>			<b>194637</b>								

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

Date:  
May 2009

Appropriation/Budget Activity/Serial No: Other Procurement, Army/ 2/ Communications and Electronics Equipment	Weapon System Type:	P-1 Line Item Nomenclature: ACUS MOD PROGRAM (BB1600)								
WBS Cost Elements:	Contractor and Location	Contract Method and Type	Location of PCO	Award Date	Date of First Delivery	QTY Units	Unit Cost \$000	Specs Avail Now?	Date Revsn Avail	RFP Issue Date
<b>AN/TTC-56 (SSS) Upgrade</b> FY 2008	GDC4S-SSS Upgrade Taunton, MA	C/IDIQ	Ft. Monmouth, NJ	Feb 08	Nov 08	4	3500			
<b>AN/TRC-190 (HCLOS) Radio Terminals</b> FY 2008 base	Ultra Electronics(TRC-190) Quebec, Canada	C/IDIQ	Ft. Monmouth, NJ	Mar 08	Apr 09	237	63			
FY 2008 supp	Ultra Electronics(TRC-190) Quebec, Canada	C/IDIQ	Ft. Monmouth, NJ	Jul 08	Aug 09	200	63			
<b>AN/TYQ-122 (BITS/BVTC)</b> FY 2008 base	GDC4S-BITS/BVTC Taunton, MA	C/IDIQ	Ft. Monmouth, NJ	Feb 08	Sep 08	37	163			
FY 2008 supp	GDC4S-BITS/BVTC Taunton, MA	C/IDIQ	Ft. Monmouth, NJ	Feb 09	Sep 09	125	163			
<b>AN/TRC-170 (TROPOSCATTER) Upgrade</b> FY 2008 base	COMTECH-TRC-170 Orlando, FL	C/IDIQ	Ft. Monmouth, NJ	May 08	Mar 09	10	250			
FY 2008 supp	COMTECH-TRC-170 Orlando, FL	C/IDIQ	Ft. Monmouth, NJ	May 09	Mar 10	15	250			
<b>AN/UXC-10(FAX)</b> FY 2008 BASE	GDC4S-AN/UXC-10 Taunton, MA	C/IDIQ	Ft. Monmouth, NJ	Apr 08	Nov 08	91	17			

REMARKS:

<b>Exhibit P-40, Budget Item Justification Sheet</b>						Date: May 2009
Appropriation / Budget Activity / Serial No: Other Procurement, Army / 2 / Communications and Electronics Equipment				P-1 Item Nomenclature JOINT NETWORK NODE (JNN) NETWORK (BB1601)		
Program Elements for Code B Items:		Code:	Other Related Program Elements:			
	Prior Years	FY 2008	FY 2009	FY 2010	To Complete	Total Prog
Proc Qty						
Gross Cost	1927.6	1405.3				3332.9
Less PY Adv Proc						
Plus CY Adv Proc						
Net Proc P1	1927.6	1405.3				3332.9
Initial Spares						
Total Proc Cost	1927.6	1405.3				3332.9
Flyaway U/C						
Weapon System Proc U/C						
<p><b>Description:</b> The Joint Network Node (JNN) Network is intended to replace legacy Mobile Subscriber Equipment (MSE), while moving the Army to a unified Everything Over Internet Protocol (EOIP) Communications System. This fundamental shift in the Tactical backbone communications system prepares the Army culture and leadership for the future introduction of both Warfighter Information Network-Tactical (WIN-T) Increment 2 &amp; Increment 3 and Future Combat Systems (FCS).</p> <p><b>Justification:</b> FY09 and out continues under the newly restructured WIN-T Ground Forces Tactical Network , WIN-T, Networking At The Halt (SSN BW7110).</p>						

<b>OPA2 Cost Elements</b>		ID	<b>FY 08</b>			<b>FY 09</b>			<b>FY 10</b>		
		CD	Total Cost	Qty	Unit Cost	Total Cost	Qty	Unit Cost	Total Cost	Qty	Unit Cost
			\$000	Units	\$000	\$000	Units	\$000	\$000	Units	\$000
Equipment			602183								
Non-recurring Eng			20172								
NetOPS HW/SW			78727								
Test			8680								
Training			61727								
Fielding			28091								
Cont. Field Supt Rep			30191								
Engineering Support			36090								
Engineering Changes			38900								
Program Management			31047								
Initial Spares			87272								
KA upgrade			164932								
Sig center requirement			26400								
Deployed CFSR			81727								
PDSS			78058								
RSC Support			31091								
<b>Total:</b>			<b>1405288</b>								

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

Date:  
May 2009

WBS Cost Elements:	Contractor and Location	Contract Method and Type	Location of PCO	Award Date	Date of First Delivery	QTY Units	Unit Cost \$000	Specs Avail Now?	Date Revsn Avail	RFP Issue Date
Appropriation/Budget Activity/Serial No: Other Procurement, Army/ 2/ Communications and Electronics Equipment										
		Weapon System Type:	P-1 Line Item Nomenclature: JOINT NETWORK NODE (JNN) NETWORK (BB1601)							
<b>FY 2008 Base</b>										
FY 2008	General Dynamics- HUB Dulth, GA	Comp/FFP	General Dyanmics - Hub Taunton	Mar 08	Oct 08					Jan07
FY 2008	General Dynamics- JNN Taunton, MA	Comp/FFP	General Dyanmics - JNN Taunton	Mar 08	Oct 08	16				Jan07
FY 2008	General Dynamics- BnCP Taunton, MA	Comp/FFP	General Dyanmics BNCP Taunton	Mar 08	Oct 08	47				Jan07
<b>FY 2008 Supp</b>										
FY 2008	General Dynamics- HUB Dulth, GA	Comp/FFP	General Dyanmics - Hub Taunton	Sep 08	Apr 09	7				Jan07
FY 2008	General Dynamics- JNN Taunton, MA	Comp/FFP	General Dyanmics - Hub Taunton	Sep 08	Apr 09	136				Jan07
FY 2008	General Dynamics- BnCP Taunton, MA	Comp/FFP	General Dyanmics BNCP Taunton	Sep 08	Apr 09	455				Jan07

REMARKS:

<b>FY 08 / 09 BUDGET PRODUCTION SCHEDULE</b>	P-1 ITEM NOMENCLATURE JOINT NETWORK NODE (JNN) NETWORK (BB1601)	Date: May 2009
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COST ELEMENTS						Fiscal Year 08														Fiscal Year 09														Later
M F R	FY	S E R V	PROC QTY Each	ACCEP PRIOR TO 1 OCT	BAL DUE AS OF 1 OCT	Calendar Year 08														Calendar Year 09														
						O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P					
FY 2008 Base																																		
1	FY 08	A	0	0																								0						
2	FY 08	A	16	0	16						A							8	8									0						
3	FY 08	A	47	0	47						A							23	24									0						
FY 2008 Supp																																		
1	FY 08	A	7	0	7																							5						
2	FY 08	A	136	0	136																							94						
3	FY 08	A	455	0	455																							335						
					661																													
Total																													434					
						O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P					

M F R	Name - Location	PRODUCTION RATES			Reached D+	MFR	ADMIN LEAD TIME		MFR After 1 Oct	TOTAL After 1 Oct	REMARKS	
		MIN	1-8-5	MAX			Prior 1 Oct	After 1 Oct				
		1	Initial	0			6	7	13			
1	General Dynamics- HUB, Dulth, GA	1	1	1		1	Initial	0	6	7	13	
						1	Reorder	0	6	7	13	
2	General Dynamics- JNN, Taunton, MA	5	7	14		2	Initial	0	6	7	13	
						2	Reorder	0	6	7	13	
3	General Dynamics- BnCP, Taunton, MA	10	20	40		3	Initial	0	6	7	13	
						3	Reorder	0	6	7	13	
							Initial					
							Reorder					
							Initial					
							Reorder					

<b>FY 10 / 11 BUDGET PRODUCTION SCHEDULE</b>	P-1 ITEM NOMENCLATURE JOINT NETWORK NODE (JNN) NETWORK (BB1601)	Date: May 2009
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COST ELEMENTS						Fiscal Year 10													Fiscal Year 11													Later				
M F R	FY	S E R V	PROC QTY Each	ACCEP PRIOR TO 1 OCT	BAL DUE AS OF 1 OCT	Calendar Year 10													Calendar Year 11																	
						O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P							
FY 2008 Base																																				
1	FY 08	A	0	0																																0
2	FY 08	A	16	16																																0
3	FY 08	A	47	47																																0
FY 2008 Supp																																				
1	FY 08	A	7	2	5	1		1		1		1		1																					0	
2	FY 08	A	136	42	94	7	7	8	8	8	8	8	8	8	8	8																			0	
3	FY 08	A	455	120	335	27	27	27	27	27	27	27	27	29	30	30	30																		0	
Total					434	35	34	36	35	36	35	36	35	38	38	38	38																			
						O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P							

M F R	Name - Location	PRODUCTION RATES			Reached D+	MFR	ADMIN LEAD TIME		MFR After 1 Oct	TOTAL After 1 Oct	REMARKS	
		MIN	1-8-5	MAX			Prior 1 Oct	After 1 Oct				
												1
1	General Dynamics- HUB, Dulth, GA	1	1	1		1	Initial	0	6	7	13	
							Reorder	0	6	7	13	
2	General Dynamics- JNN, Taunton, MA	5	7	14		2	Initial	0	6	7	13	
							Reorder	0	6	7	13	
3	General Dynamics- BnCP, Taunton, MA	10	20	40		3	Initial	0	6	7	13	
							Reorder	0	6	7	13	
							Initial					
							Reorder					
							Initial					
							Reorder					



<b>Exhibit P-40, Budget Item Justification Sheet</b>						Date: May 2009
Appropriation / Budget Activity / Serial No: Other Procurement, Army / 2 / Communications and Electronics Equipment				P-1 Item Nomenclature COMMS-ELEC EQUIP FIELDING (BA5210)		
Program Elements for Code B Items: 52328548		Code:	Other Related Program Elements:			
	Prior Years	FY 2008	FY 2009	FY 2010	To Complete	Total Prog
Proc Qty						
Gross Cost	365.6	14.4	14.1		Continuing	Continuing
Less PY Adv Proc						
Plus CY Adv Proc						
Net Proc P1	365.6	14.4	14.1		Continuing	Continuing
Initial Spares						
Total Proc Cost	365.6	14.4	14.1		Continuing	Continuing
Flyaway U/C						
Weapon System Proc U/C					Continuing	Continuing
<b>Description:</b> This program directly supports the DAG8 office and the Army Transformation Campaign Plan for the equipping of redesigned Signal elements within the Force Structure. It equips Reserve Component (RC) and Active Component (AC) Expeditionary Signal Battalion's (ESB's) across Modular units with Combat Communications Systems through redistribution. Program efforts provide systems ready for redistribution insuring systems are complete, operational and IAW 10/20 PMCS standards. Cascaded systems include Line of Sight Radios, Satellite Systems, Switching/Telephone Systems and HF radios which are part of the architecture necessary to achieve full Joint Network Node (JNN) and WIN-T Increment 1 thru 4 fielding capabilities. This program indirectly supports WIN-T Increments 1 thru 4 and is critical to complete network operational capability. Also Fleet Management, Fielding and redistribution of displaced C&E systems, to include supporting the CASCADE of JNN, Modularity/ESB. Validated in Para 13.4, Capabilities Production Document (CPD) for Bridge to the Future Networks 28 August 2006. Approved by the JROC on 18 Oct 2006.						
<b>Justification:</b> No FY 10 funding.						

<b>Exhibit P-5, Weapon OPA2 Cost Analysis</b>	Appropriation/Budget Activity/Serial No: Other Procurement, Army / 2 / Communications and Electronics Equipment	P-1 Line Item Nomenclature: COMMS-ELEC EQUIP FIELDING (BA5210)	Weapon System Type:	Date: May 2009
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OPA2 Cost Elements	ID	FY 08			FY 09			FY 10		
	CD	Total Cost	Qty	Unit Cost	Total Cost	Qty	Unit Cost	Total Cost	Qty	Unit Cost
		\$000	Units	\$000	\$000	Units	\$000	\$000	Units	\$000
HARDWARE										
CONTRACT SERVICE SUPPORT		14436			14110					
<b>Total:</b>		<b>14436</b>			<b>14110</b>					

<b>Exhibit P-40, Budget Item Justification Sheet</b>					Date: May 2009	
Appropriation / Budget Activity / Serial No: Other Procurement, Army / 2 / Communications and Electronics Equipment				P-1 Item Nomenclature SPIDER APLA Remote Control Unit (B55501)		
Program Elements for Code B Items: 654802/D434		Code: B	Other Related Program Elements:			
	Prior Years	FY 2008	FY 2009	FY 2010	To Complete	Total Prog
Proc Qty			125	158		283
Gross Cost	140.3		17.9	21.8		180.1
Less PY Adv Proc						
Plus CY Adv Proc						
Net Proc P1	140.3		17.9	21.8		180.1
Initial Spares						
Total Proc Cost	140.3		17.9	21.8		180.1
Flyaway U/C						
Weapon System Proc U/C						
<b>Description:</b> The Spider is a hand emplaced, remotely controlled, anti-personnel munition system. Spider as a Man-in-the-Loop system offers numerous capabilities for asymmetric warfare focusing on the control of insurgents and small unit force protection. The system is made up of 4 subsystems: Man-in-the-Loop (the human operator), Remote Control Station (the system command and control station), Repeater (a communication link to the munitions that provides extended range), and Munition Control Units (delivers anti-personnel effects). The Spider is designed to mitigate the indiscriminate engagement of the lethal mechanism. A Soldier/Marine makes a conscious decision to engage a target with the lethal mechanism. Spider's sensor capabilities and controlled munitions provide needed force protection and battlefield shaping. Spider allows measured and graduated responses including sense only, non-lethal, and lethal modes. Spider also supports net-centric operations by feeding information (location and status) into the Command and Control system. The Spider system with its many desirable features makes it a versatile weapon system that has significant utility across the full spectrum of military operations and will support current and future operations.						
<b>Justification:</b> Spider is a DOD special interest program requiring OSD to develop a munition system that addresses humanitarian concerns and contain self-destructing/self-deactivating features.  FY10 Base funding in the amount of \$21.820 million will procure 158 Spider APLA Remote Control Units.						

<b>OPA2 Cost Elements</b>		ID	<b>FY 08</b>			<b>FY 09</b>			<b>FY 10</b>		
		CD	Total Cost	Qty	Unit Cost	Total Cost	Qty	Unit Cost	Total Cost	Qty	Unit Cost
			\$000	Each	\$000	\$000	Each	\$000	\$000	Each	\$000
<b>HARDWARE</b>											
Spider System											
Initial Issue Spares											
<b>Hardware SUBTOTAL</b>											
<b>PRODUCTION SUPPORT</b>											
Production Engineering (Govt)											
<b>SUPPORT SUBTOTAL</b>											
<b>NON-RECURRING COSTS</b>											
System Improvements											
Follow-On Test and Evaluation											
<b>SUBTOTAL NON-RECURRING</b>											
<b>Total:</b>											
						<b>14898</b>	<b>125</b>	<b>119</b>	<b>17626</b>	<b>158</b>	<b>112</b>
						<b>14898</b>			<b>18805</b>		
						2602			2695		
						<b>2602</b>			<b>2695</b>		
									320		
						447					
						<b>447</b>			<b>320</b>		
						<b>17947</b>			<b>21820</b>		

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

Date:  
May 2009

Appropriation/Budget Activity/Serial No: Other Procurement, Army/ 2/ Communications and Electronics Equipment		Weapon System Type:	P-1 Line Item Nomenclature: SPIDER APLA Remote Control Unit (B55501)							
WBS Cost Elements:	Contractor and Location	Contract Method and Type	Location of PCO	Award Date	Date of First Delivery	QTY Each	Unit Cost \$000	Specs Avail Now?	Date Revsn Avail	RFP Issue Date
<b>Spider System</b>										
FY 2009	Alliant Techsystems/Textron Plymouth, MN/Wilmington, MA	SS/Other	Picatinny, NJ	Jun 09	Sep 10	125	119			
FY 2010	Alliant Techsystems/Textron Plymouth, MN/Wilmington, MA	SS/FP	Picatinny, NJ	Mar 10	Jun 11	158	112			

REMARKS: FY09 LRIP is an option to the Development contract. It will be fixed price.  
New sole source fixed price contract will be awarded in FY10.

**FY 09 / 10 BUDGET PRODUCTION SCHEDULE**

P-1 ITEM NOMENCLATURE  
SPIDER APLA Remote Control Unit (B55501)

Date: May 2009

COST ELEMENTS						Fiscal Year 09															Fiscal Year 10															Later
MFR	FY	S E R V	PROC QTY Each	ACCEP PRIOR TO 1 OCT	BAL DUE AS OF 1 OCT	Calendar Year 09															Calendar Year 10															
						OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP							
Spider System																																				
1	FY 09	A	125	0	125													A													5	120				
1	FY 10	A	158	0	158																									A			158			
Total					283																										5	278				

MFR	Name - Location	PRODUCTION RATES			Reached D+	MFR	ADMIN LEAD TIME		MFR After 1 Oct	TOTAL After 1 Oct	REMARKS	
		MIN	1-8-5	MAX			Prior 1 Oct	After 1 Oct				
1	Alliant Techsystems/Textron, Plymouth, MN/Wilmington, MA	1	30	105	120	1	Initial	6	8	18	26	FY2010 will be a sole source fixed price new full rate production contract will be awarded to the existing contractor and therefore reorder manufacture lead time will be used.
							Reorder	6	6	15	21	
							Initial					
							Reorder					
							Initial					
							Reorder					
							Initial					
							Reorder					

**FY 11 / 12 BUDGET PRODUCTION SCHEDULE**

P-1 ITEM NOMENCLATURE  
SPIDER APLA Remote Control Unit (B55501)

Date: May 2009

COST ELEMENTS						Fiscal Year 11												Fiscal Year 12												Later
MFR	FY	S E R V	PROC QTY Each	ACCEP PRIOR TO 1 OCT	BAL DUE AS OF 1 OCT	Calendar Year 11												Calendar Year 12												
						O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	
Spider System																														
1	FY 09	A	125	5	120	10	14	16	16	16	16	16	16															0		
1	FY 10	A	158	0	158									14	14	13	13	13	13	13	13	13	13	13	13	13		0		
Total						278	10	14	16	16	16	16	16	14	14	13	13	13	13	13	13	13	13	13	13	13				
						O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	

MFR	Name - Location	PRODUCTION RATES			Reached D+	MFR	ADMIN LEAD TIME		MFR After 1 Oct	TOTAL After 1 Oct	REMARKS	
		MIN	1-8-5	MAX			Prior 1 Oct	After 1 Oct				
1	Alliant Techsystems/Textron, Plymouth, MN/Wilmington, MA	1	30	105	120	1	Initial	6	8	18	26	
							Reorder	6	6	15	21	
							Initial					
							Reorder					
							Initial					
							Reorder					
							Initial					
							Reorder					
							Initial					
							Reorder					

<b>Exhibit P-40, Budget Item Justification Sheet</b>					Date: May 2009	
Appropriation / Budget Activity / Serial No: Other Procurement, Army / 2 / Communications and Electronics Equipment				P-1 Item Nomenclature IMS Remote Control Unit (B55503)		
Program Elements for Code B Items: 654808 D016		Code: B	Other Related Program Elements:			
	Prior Years	FY 2008	FY 2009	FY 2010	To Complete	Total Prog
Proc Qty				34		34
Gross Cost				9.3		9.3
Less PY Adv Proc						
Plus CY Adv Proc						
Net Proc P1				9.3		9.3
Initial Spares						
Total Proc Cost				9.3		9.3
Flyaway U/C						
Weapon System Proc U/C						
<p><b>Description:</b>  The Intelligent Munitions System (IMS) Scorpion is an anti-vehicular weapons system that provides highly responsive terrain-shaping and protection capabilities to the unit commander. Trained operators remotely control ground-emplaced munitions via a portable control station out to distances of 1.5 kilometers. The commander integrates IMS Scorpion into his scheme of maneuver and fires in order to attack the enemy's freedom of maneuver while maintaining full friendly freedom of maneuver. The IMS Scorpion is being developed as an evolutionary acquisition program utilizing an incremental approach. This strategy will address all IMS Scorpion capabilities in the requirements document. The first increment supports National Landmine Policy and provides full spectrum weapons system effective in offensive, defensive, and stability operations.</p> <p>Type Classification Date: Limited Production scheduled for 4Q2010</p> <p><b>Justification:</b>  FY10 Base funding in the amount of \$9.256 million will procure 34 Intelligent Munitions System (IMS) Control Stations and 13 Trainer Dispenser Modules.</p>						



<b>OPA2 Cost Elements</b>		ID	<b>FY 08</b>			<b>FY 09</b>			<b>FY 10</b>		
		CD	Total Cost	Qty	Unit Cost	Total Cost	Qty	Unit Cost	Total Cost	Qty	Unit Cost
			\$000	Units	\$000	\$000	Units	\$000	\$000	Units	\$000
<b>HARDWARE</b>											
Control Station											
Trainer Dispenser Module											
<b>Subtotal Hardware</b>											
<b>PRODUCTION SUPPORT COSTS</b>											
Production Engineering											
Acceptance Testing											
<b>SubTotal Prod. Support</b>											
<b>Total:</b>											
									<b>4182</b>	<b>34</b>	<b>123</b>
									<b>3133</b>	<b>13</b>	<b>241</b>
									<b>7315</b>		
									<b>470</b>		
									<b>1471</b>		
									<b>1941</b>		
									<b>9256</b>		

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

Date:  
May 2009

Appropriation/Budget Activity/Serial No: Other Procurement, Army/ 2/ Communications and Electronics Equipment		Weapon System Type:	P-1 Line Item Nomenclature: IMS Remote Control Unit (B55503)							
WBS Cost Elements:	Contractor and Location	Contract Method and Type	Location of PCO	Award Date	Date of First Delivery	QTY Units	Unit Cost \$000	Specs Avail Now?	Date Revsn Avail	RFP Issue Date
<b>Control Station</b> FY 2010	Textron Wilmington, MA	SS/Other	Picatinny, NJ	Jan 10	Nov 10	34	123			
<b>Trainer Dispenser Module</b> FY 2010	Textron Wilmington, MA	SS/Other	Picatinny, NJ	Jan 10	Nov 10	13	241			

REMARKS: Other: Low Rate Initial Production Contract will be awarded as an option to the the System Development and Demonstration Contract. Normal admin lead times will be accelerated for LRIP.

## FY 10 / 11 BUDGET PRODUCTION SCHEDULE

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

Date: May 2009

COST ELEMENTS						Fiscal Year 10												Fiscal Year 11												Later										
M F R	FY	S E R V	PROC QTY Each	ACCEP PRIOR TO 1 OCT	BAL DUE AS OF 1 OCT	Calendar Year 10												Calendar Year 11																						
						O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P											
Control Station																																								
1	FY 10	A	34	0	34				A																	2	2	3	3	3	3	3	3	3	3	3	3	3		
Trainer Dispenser Module																																								
2	FY 10	A	13	0	13				A																		1	1	1	1	1	1	1	1	1	1	1	1	1	2
Total					47													3	3	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	5			

M F R	Name - Location	PRODUCTION RATES			Reached D+	MFR	ADMIN LEAD TIME		MFR After 1 Oct	TOTAL After 1 Oct	REMARKS
		MIN	1-8-5	MAX			Prior 1 Oct	After 1 Oct			
1	Textron, Wilmington, MA	20	50	150		1	Initial	6	8	15	Low Rate Initial Production Contract will be awarded as an option to the the System Development and Demonstration Contract. Normal admin lead times will be accelerated for LRIP.
							Reorder	6	6	10	
2	Textron, Wilmington, MA	20	50	150		2	Initial	6	8	15	
							Reorder	6	6	10	
							Initial				
							Reorder				
							Initial				
							Reorder				
							Initial				
							Reorder				

# FY 12 / 13 BUDGET PRODUCTION SCHEDULE

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

Date:  
May 2009

COST ELEMENTS						Fiscal Year 12													Fiscal Year 13													Later	
M	F	R	S E R V	PROC QTY Each	ACCEP PRIOR TO 1 OCT	BAL DUE AS OF 1 OCT	Calendar Year 12													Calendar Year 13													
							O	N	D	J	F	M	A	M	J	J	A	S	O	N	D	J	F	M	A	M	J	J	A	S			
Control Station							C	T	V	C	N	B	R	R	Y	N	L	G	P	T	V	C	N	B	R	R	Y	N	L	G	P		
1			A	34	31	3	3																					0					
Trainer Dispenser Module																													0				
2			A	13	11	2	2																				0						
Total							5	5																									

M	F	R	Name - Location	PRODUCTION RATES			Reached D+	MFR	ADMIN LEAD TIME		MFR After 1 Oct	TOTAL After 1 Oct	REMARKS	
				MIN	1-8-5	MAX			Prior 1 Oct	After 1 Oct				
												1		2
1			Textron, Wilmington, MA	20	50	150		1	Initial	6	8	15	23	Low Rate Initial Production Contract will be awarded as an option to the the System Development and Demonstration Contract. Normal admin lead times will be accelerated for LRIP.
								2	Reorder	6	6	10	16	
2			Textron, Wilmington, MA	20	50	150			Initial	6	8	15	23	
									Reorder	6	6	10	16	
									Initial					
									Reorder					
									Initial					
									Reorder					

<b>Exhibit P-40, Budget Item Justification Sheet</b>						Date: May 2009
Appropriation / Budget Activity / Serial No: Other Procurement, Army / 2 / Communications and Electronics Equipment				P-1 Item Nomenclature SOLDIER ENHANCEMENT PROGRAM COMM/ELECTRONICS (BA5300)		
Program Elements for Code B Items:		Code:	Other Related Program Elements:			
	Prior Years	FY 2008	FY 2009	FY 2010	To Complete	Total Prog
Proc Qty						
Gross Cost	116.6	10.1	7.5	4.6	Continuing	Continuing
Less PY Adv Proc						
Plus CY Adv Proc						
Net Proc P1	116.6	10.1	7.5	4.6	Continuing	Continuing
Initial Spares						
Total Proc Cost	116.6	10.1	7.5	4.6	Continuing	Continuing
Flyaway U/C						
Weapon System Proc U/C					Continuing	Continuing
<b>Description:</b> The Soldier Enhancement Program (SEP) is to identify and evaluate commercially available individual weapons, munitions optics, combat clothing, individual equipment, water supply, shelters, communication and navigational aids which can be adopted and provided to Soldiers in three years or less. The nature of the item determines the acquisition strategy, market survey, candidate evaluation and down select method, scope of testing, adoption decision and fielding process.						
<b>Justification:</b> FY2010 procures the Advanced Sniper Accessory Kit (ASAK) and the Aircrew Laser-Mounted Pointer (ALP). The ASAK is a comprehensive aggregate of Sniper and Sniper weapon related items/components supporting Sniper employment in all mission environments. Items include mini-laser rangefinder and weapon boresight device for confirming zero. The ALP is a small, finger mounted laser pointer/illuminating device that will be utilized by Aircrew Soldiers.  FY2010 Base funding in the amount of \$4.646 million will procure 111 Advanced Sniper Accessory Kits (ASAKs) and 2,774 Aircrew Laser-Mounted Pointers (ALPs)for fielding to Soldiers.						

<b>OPA2 Cost Elements</b>		ID	<b>FY 08</b>			<b>FY 09</b>			<b>FY 10</b>		
		CD	Total Cost	Qty	Unit Cost	Total Cost	Qty	Unit Cost	Total Cost	Qty	Unit Cost
			\$000	Units	\$000	\$000	Units	\$000	\$000	Units	\$000
ILWLP		A	4648	4679	0.776						
ILWLP Warranty		A	85								
Advanced Sniper Kit		A	1768	123	14.374	1600	111	14.374	1595	111	14.374
Goggle/Head Mounted Display		A	1622	981	1.653	1623	982	1.653			
Aircrew Laser Pointer		A				4300	3909	1.100	3051	2774	1.100
Enhanced Hearing Comm and Protection		A	2000	1000	1.000						
<b>Total:</b>			<b>10123</b>			<b>7523</b>			<b>4646</b>		

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

Date:  
May 2009

Appropriation/Budget Activity/Serial No: Other Procurement, Army/ 2/ Communications and Electronics Equipment	Weapon System Type:	P-1 Line Item Nomenclature: SOLDIER ENHANCEMENT PROGRAM COMM/ELECTRONICS (BA5300)								
WBS Cost Elements:	Contractor and Location	Contract Method and Type	Location of PCO	Award Date	Date of First Delivery	QTY Each	Unit Cost \$000	Specs Avail Now?	Date Revsn Avail	RFP Issue Date
<b>ILWLP</b>										
FY 2008	Insight Technology - ILWLP Londonderry, NH	C/FP	RDECOMAC	Jan 08	Feb 08	2466	0.776	Yes		
FY 2008	Insight Technology - ILWLP Londonderry, NH	C/FP	RDECOMAC	Jul 08	Oct 08	2213	0.776	Yes		
<b>Advanced Sniper Kit</b>										
FY 2008	Insight Technology - ASAK Londonderry, NH	C/FP	RDECOMAC	Mar 08	Sep 08	123	14.374	Yes		
FY 2009	Insight Technology - ASAK Londonderry, NH	C/FP	RDECOMAC	Mar 09	Sep 09	111	14.374	Yes		
FY 2010	Insight Technology - ASAK Londonderry, NH	C/FP	RDECOMAC	Mar 10	Sep 10	111	14.374	Yes		
<b>Goggle/Head Mounted Display</b>										
FY 2008	Oasys Technologies Manchester, NH	C/FP	RDECOMAC	Sep 08	May 09	981	1.653	Yes		
FY 2009	Oasys Technologies Manchester, NH	C/FP	RDECOMAC	Dec 08	Aug 09	982	1.653	Yes		
<b>Aircrew Laser Pointer</b>										
FY 2009	Night Vision Systems Prescott Valley, AZ	C/FP	DSCP	Feb 09	May 09	3909	1.100	Yes		
FY 2010	Night Vision Systems Prescott Valley, AZ	C/FP	DSCP	Dec 09	Mar 10	2774	1.100	Yes		
<b>Enhanced Hearing Comm and Protection</b>										

REMARKS:

<b>FY 08 / 09 BUDGET PRODUCTION SCHEDULE</b>																	P-1 ITEM NOMENCLATURE SOLDIER ENHANCEMENT PROGRAM COMM/ELECTRONICS (BA5300)						Date: May 2009																			
<b>COST ELEMENTS</b>						<b>Fiscal Year 08</b>											<b>Fiscal Year 09</b>									Later																
M F R	FY	S E R V	PROC QTY Units	ACCEP PRIOR TO 1 OCT	BAL DUE AS OF 1 OCT	<b>Calendar Year 08</b>															<b>Calendar Year 09</b>																					
						O	N	D	J	F	M	A	M	J	J	A	S	O	N	D	J	F	M	A	M		J	J	A	S												
						C	O	E	A	E	A	P	A	U	U	U	E	C	O	V	E	A	E	A	P		A	U	U	U	E											
T	V	C	N	B	R	R	Y	N	L	G	P	T	V	C	N	B	R	R	Y	N	L	G	P																			
ILWLP																																										
1	FY 08	A	2466	0	2466				A	225	225	225	225	225	225	225	225	225	225	225	225	216									0											
1	FY 08	A	2213	0	2213													A				50	50	65	256	256	256	256	256	256	256	256	0									
Advanced Sniper Kit																																										
2	FY 08	A	123	0	123																60	63										0										
2	FY 09	A	111	0	111																						A					55	56									
2	FY 10	A	111	0	111																												111									
Goggle/Head Mounted Display																																										
3	FY 08	A	981	0	981																												0									
3	FY 09	A	982	0	982																												245	245	245	246	10	240	732			
Aircrew Laser Pointer																																										
4	FY 09	A	3909	0	3909																														A				326	326	326	2931
4	FY 10	A	2774	0	2774																																					2774
Enhanced Hearing Comm and Protection																																										
3	FY 08	A	1000	0	1000																																					1000
Total										225	225	225	225	225	225	225	285	338	275	281	256	256	256	256	501	501	827	838	621								7604					
										O	N	D	J	F	M	A	A	J	J	A	S	O	N	D	J	F	M	A	A	M	J	J	A	S								
										C	O	E	A	E	A	P	A	U	U	U	E	C	O	V	E	A	E	P	A	U	U	U	E									
										T	V	C	N	B	R	R	Y	N	L	G	P	T	V	C	N	B	R	R	Y	N	L	G	P									

M F R	Name - Location	PRODUCTION RATES					Reached D+	MFR	ADMIN LEAD TIME		MFR After 1 Oct	TOTAL After 1 Oct	REMARKS
		MIN	1-8-5	MAX	Prior 1 Oct	After 1 Oct							
									1	Initial	1	1	
1	Insight Technology - ILWLP, Londonderry, NH	225	750	1200			1	Initial	1	1	2		
								Reorder	1	1	4		
2	Insight Technology - ASAK, Londonderry, NH	25	50	100			2	Initial	1	1	7		
								Reorder	1	1	7		
3	Oasys Technologies, Manchester, NH	100	300	500				Initial	1	1	6		
								Reorder	1	1	6		
4	Night Vision Systems, Prescott Valley, AZ	100	300	500			3	Initial	3	3	11		
								Reorder	1	1	9		
							4	Initial	1	1	4		
								Reorder	1	1	4		
								Initial					
								Reorder					



<b>FY 10 / 11 BUDGET PRODUCTION SCHEDULE</b>	P-1 ITEM NOMENCLATURE SOLDIER ENHANCEMENT PROGRAM COMM/ELECTRONICS (BA5300)	Date: May 2009
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COST ELEMENTS						Fiscal Year 10												Fiscal Year 11												Later
M F R	FY	S E R V	PROC QTY Units	ACCEP PRIOR TO 1 OCT	BAL DUE AS OF 1 OCT	Calendar Year 10												Calendar Year 11												
						O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	
ILWLP																														
	1	FY 08	A	2466	2466																								0	
	1	FY 08	A	2213																									0	
Advanced Sniper Kit																														
	2	FY 08	A	123	123																								0	
	2	FY 09	A	111	55	56	56																						0	
	2	FY 10	A	111	0	111					A							55	56										0	
Goggle/Head Mounted Display																														
	3	FY 08	A	981	981																								0	
	3	FY 09	A	982	250	732	244	244	244																				0	
Aircrew Laser Pointer																														
	4	FY 09	A	3909	978	2931	326	326	326	326	326	350	350	302	299														0	
	4	FY 10	A	2774	0	2774			A					48	51	302	302	302	302	302	302	302	302	302	259				0	
Enhanced Hearing Comm and Protection																														
	3	FY 08	A	1000	0	1000																							1000	
Total						7604	626	570	570	326	326	350	350	350	350	302	302	357	358	302	302	302	302	259					1000	
						O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	

M F R	Name - Location	PRODUCTION RATES			Reached D+	MFR	ADMIN LEAD TIME		MFR After 1 Oct	TOTAL After 1 Oct	REMARKS
		MIN	1-8-5	MAX			Prior 1 Oct	After 1 Oct			
		1	Initial	1			1	1	2		
1	Insight Technology - ILWLP, Londonderry, NH	225	750	1200		1	Initial	1	2		
						1	Reorder	1	4		
2	Insight Technology - ASAK, Londonderry, NH	25	50	100		2	Initial	1	7		
						1	Reorder	1	7		
3	Oasys Technologies, Manchester, NH	100	300	500		3	Initial	3	11		
						1	Reorder	1	9		
4	Night Vision Systems, Prescott Valley, AZ	100	300	500		4	Initial	1	4		
						1	Reorder	1	4		
							Initial				
							Reorder				

<b>Exhibit P-40, Budget Item Justification Sheet</b>						Date: May 2009
Appropriation / Budget Activity / Serial No: Other Procurement, Army / 2 / Communications and Electronics Equipment				P-1 Item Nomenclature COMBAT SURVIVOR EVADER LOCATOR (CSEL) (B03200)		
Program Elements for Code B Items:		Code:	Other Related Program Elements:			
	Prior Years	FY 2008	FY 2009	FY 2010	To Complete	Total Prog
Proc Qty		12626				12626
Gross Cost	165.1	122.5	16.1	2.4		306.0
Less PY Adv Proc						
Plus CY Adv Proc						
Net Proc P1	165.1	122.5	16.1	2.4		306.0
Initial Spares						
Total Proc Cost	165.1	122.5	16.1	2.4		306.0
Flyaway U/C						
Weapon System Proc U/C		0.0				0.0
<b>Description:</b> The Combat Survivor Evader Locator (CSEL) system is a hand-held survival radio that provides downed aircrew members and Special Operations Forces personnel multiple communications capabilities and precision location. The radio determines the survivor's location through an embedded Global Positioning System capability. The survivor transmits position/location and situational information via two-way voice Line-of-Sight, beacon, or Over-The-Horizon (OTH) communication paths. The Joint Search and Rescue Center receives the OTH information and conducts a hand-off to operational forces that carry out the Combat Search and Rescue (CSAR) mission. The two-way voice communication ensures single pass pickup by enabling the survivor to communicate with the inbound CSAR aircraft. The Army Acquisition Objective (AAO) for Army Aviation and Special Operations is 27,655 radios.						
<b>Justification:</b> FY 2010 procures software support, total package fielding, testing, and program management for CSEL radios being fielded/supported.						

<b>Exhibit P-5, Weapon OPA2 Cost Analysis</b>		Appropriation/Budget Activity/Serial No: Other Procurement, Army / 2 / Communications and Electronics Equipment			P-1 Line Item Nomenclature: COMBAT SURVIVOR EVADER LOCATOR (CSEL) (B03200)			Weapon System Type:		Date: May 2009	
<b>OPA2 Cost Elements</b>		ID CD	<b>FY 08</b>			<b>FY 09</b>			<b>FY 10</b>		
			Total Cost \$000	Qty Each	Unit Cost \$000	Total Cost \$000	Qty Each	Unit Cost \$000	Total Cost \$000	Qty Each	Unit Cost \$000
Hardware (AN/PRQ-7 radio)			79468	12626	6.294						
Other Hardware			25455								
Software										57	
Total Pkg Fldg			6237			14569			1596		
Logistics			177			280					
Engineering			4503			488					
Testing			97						51		
Program Management			6515			770			663		
-----											
NOTES: Other Hardware cost reflects the accessory equipment provided to the Army during fielding (e.g.,Radio Set Adapter, Rechargeable Batteries, Laptops, etc.).											
<b>Total:</b>			<b>122452</b>			<b>16107</b>			<b>2367</b>		

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

Date:  
May 2009

WBS Cost Elements:	Contractor and Location	Contract Method and Type	Location of PCO	Award Date	Date of First Delivery	QTY Each	Unit Cost \$000	Specs Avail Now?	Date Revsn Avail	RFP Issue Date
Appropriation/Budget Activity/Serial No: Other Procurement, Army/ 2/ Communications and Electronics Equipment										
		Weapon System Type:	P-1 Line Item Nomenclature: COMBAT SURVIVOR EVADER LOCATOR (CSEL) (B03200)							
<b>Hardware (AN/PRQ-7 radio)</b>										
FY 2008 BASE	Boeing, North America Anaheim, CA	SS/FFP	AFMC/ESC Hanscom AFB MA	Mar 08	Feb 09	370	6.294	Y		
FY 2008 BASE	Boeing, North America Anaheim, CA	SS/FFP	AFMC/ESC Hanscom AFB MA	Sep 08	Aug 09	565	6.294	Y		
FY 2008 BASE	Boeing, North America Anaheim, CA	SS/FFP	AFMC/ESC Hanscom AFB MA	Jun 09	May 10	166	6.294	Y		
FY 2008 Sup	Boeing, North America Anaheim, CA	SS/FFP	AFMC/ESC Hanscom AFB MA	Oct 08	Sep 09	4598	6.294	Y		
FY 2008 Sup	Boeing, North America Anaheim, CA	SS/FFP	AFMC/ESC Hanscom AFB MA	Jun 09	May 10	6930	6.294	Y		

REMARKS:

**FY 08 / 09 BUDGET PRODUCTION SCHEDULE**

P-1 ITEM NOMENCLATURE  
COMBAT SURVIVOR EVADER LOCATOR (CSEL) (B03200)

Date:  
May 2009

COST ELEMENTS						Fiscal Year 08															Fiscal Year 09												Later													
MFR	FY	S E R V	PROC QTY Units	ACCEP PRIOR TO 1 OCT	BAL DUE AS OF 1 OCT	Calendar Year 08															Calendar Year 09																									
						O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P																	
						Hardware ( AN/PRQ-7 RADIO) Base																																								
1	FY 08	A	370	0	370																										62	62	62	62	62	60				0						
1	FY 08	A	565	0	565																																	50	50	465						
1	FY 08	A	166	0	166																																			166						
Hardware ( AN/PRQ-7 RADIO) Supp																																														
1	FY 08	A	4598	0	4598																																		500	4098						
1	FY 08	A	6930	0	6930																																				6930					
Total					12629																																	62	62	62	62	62	60	50	550	11659

MFR	Name - Location	PRODUCTION RATES			Reached D+	MFR 1	ADMIN LEAD TIME		MFR After 1 Oct	TOTAL After 1 Oct	REMARKS
		MIN	1-8-5	MAX			Prior 1 Oct	After 1 Oct			
		1	Boeing, North America, Anaheim, CA	20			262	750		Initial	
						Reorder	0	6	10	16	
						Initial					
						Reorder					
						Initial					
						Reorder					
						Initial					
						Reorder					
						Initial					
						Reorder					

<b>FY 10 / 11 BUDGET PRODUCTION SCHEDULE</b>	P-1 ITEM NOMENCLATURE COMBAT SURVIVOR EVADER LOCATOR (CSEL) (B03200)	Date: May 2009
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COST ELEMENTS						Fiscal Year 10												Fiscal Year 11												Later
M F R	FY	S E R V	PROC QTY Units	ACCEP PRIOR TO 1 OCT	BAL DUE AS OF 1 OCT	Calendar Year 10												Calendar Year 11												
						O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	
Hardware ( AN/PRQ-7 RADIO) Base																														
1	FY 08	A	370	370																									0	
1	FY 08	A	565	100	465	50	50	50	50	50	50	50	50	65															0	
1	FY 08	A	166	0	166								14	14	14	14	14	14	14	14	14	14	14	14	14	26			0	
Hardware ( AN/PRQ-7 RADIO) Supp																														
1	FY 08	A	4598	500	4098	500	500	500	500	500	500	548	550																0	
1	FY 08	A	6930	0	6930								50	500	550	550	600	665	665	650	650	650	650	650	750				0	
Total						11659	550	550	550	550	550	598	664	579	564	564	614	679	679	664	664	664	676	750						
						O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	

M F R	Name - Location	PRODUCTION RATES			Reached D+	MFR	ADMIN LEAD TIME		MFR After 1 Oct	TOTAL After 1 Oct	REMARKS	
		MIN	1-8-5	MAX			Prior 1 Oct	After 1 Oct				
1	Boeing, North America, Anaheim, CA	20	262	750		1	Initial	0	6	10	16	
							Reorder	0	6	10	16	
							Initial					
							Reorder					
							Initial					
							Reorder					
							Initial					
							Reorder					
							Initial					
							Reorder					

<b>Exhibit P-40, Budget Item Justification Sheet</b>						Date: May 2009
Appropriation / Budget Activity / Serial No: Other Procurement, Army / 2 / Communications and Electronics Equipment				P-1 Item Nomenclature RADIO, IMPROVED HF (COTS) FAMILY (BU8100)		
Program Elements for Code B Items:		Code:	Other Related Program Elements:			
	Prior Years	FY 2008	FY 2009	FY 2010	To Complete	Total Prog
Proc Qty	1300					1300
Gross Cost	4828.6	357.3	223.8	17.8		5427.6
Less PY Adv Proc						
Plus CY Adv Proc						
Net Proc P1	4828.6	357.3	223.8	17.8		5427.6
Initial Spares						
Total Proc Cost	4828.6	357.3	223.8	17.8		5427.6
Flyaway U/C						
Weapon System Proc U/C	3.7					3.7
<b>Description:</b>						
Radio Improved High-Frequency (HF) Commercial Off the Shelf (COTS) Family consists of the AN/PRC-148 Tactical Handheld Radio (HHR), the AN/PRC-150 HF Radio, and the AN/PSC-5D & AN/PRC-117 COTS Tactical (TACSAT) Radios.						
The HHR (AN/PRC-148) is a small, lightweight, full-featured Combat Net Radio operating contiguously over the UHF/VHF band (30-512 MHz) frequency range. The radio has embedded US type-1 COMSEC protection and is capable of both voice and data modes of operation. The HHR provides a hand held, highly flexible tactical radio useful over a very broad range of combat environments. System options include Single Channel Ground and Airborne Radio System (SINCGARS), HAVEQUICK I/II and Advanced Narrowband Digital Voice Terminal (ANDVT) waveforms, and a retransmission capability compatible with existing equipment.						
The HF Radio (AN/PRC-150) is a COTS Non-Developmental Item family of advanced High Frequency radios that provides reliable, long-range tactical radio communications through use of advanced digital signal processing. The radio reduces the need for separate cryptographic equipment by embedding US type-1 COMSEC within the radio. The AN/PRC-150 family is available as a lightweight 20-watt man-pack radio, 20-watt and 150-watt vehicular radio, and a 400-watt transportable base station configuration. The radio provides reliable Line-of-Sight (LOS) and Beyond LOS communication in Upper Sideband, Lower Sideband, Automated Link Establishment, Continuous War, and FM modes. The radio is interoperable with other HF radios within the Army that have these modes of operation. The National Security Agency endorsed the COMSEC features of the AN/PRC-150 HF radio on 4 June 2001.						
The TACSAT radios (both AN/PSC-5D and AN/PRC-117F) provide units with Multi-Mode voice and data radio communications in LOS and SATCOM Modes of Operation. The radios provide Command and Control (C2) communications for the Corps and Division Warfighter Networks, and support Army Special Operations Forces (SOF) C2. The radios operate in the VHF/UHF bands (30-512 MHz), and are available in three configurations: Manpack, SATCOM on the Move (SOTM), and Transit Case.						
<b>Justification:</b>						
FY2010 Base procurement dollars in the amount of \$6.555 million will procure 125 Hand Held Radios (AN/PRC-148), 68 HF Radios (AN/PRC-150), and fielding support for TACSAT Radios.						
FY2010 OCO procurement dollars in the amount of \$11.286 million will procure 275 Hand Held Radios (AN/PRC-148) and 187 TACSAT Radios (AN/PSC-5D and AN//PRC-117F).						

<b>Exhibit P-5, Weapon OPA2 Cost Analysis</b>		Appropriation/Budget Activity/Serial No: Other Procurement, Army / 2 / Communications and Electronics Equipment			P-1 Line Item Nomenclature: RADIO, IMPROVED HF (COTS) FAMILY (BU8100)			Weapon System Type:		Date: May 2009	
<b>OPA2 Cost Elements</b>		ID	<b>FY 08</b>			<b>FY 09</b>			<b>FY 10</b>		
		CD	Total Cost	Qty	Unit Cost	Total Cost	Qty	Unit Cost	Total Cost	Qty	Unit Cost
			\$000	Units	\$000	\$000	Units	\$000	\$000	Units	\$000
SATCOM Radios - B81803			196708			133841			12600		
Hand Held Radio - B81804			66723			31063			2415		
High Frequency Radio - B81806			93905			58944			2826		
<b>Total:</b>			<b>357336</b>			<b>223848</b>			<b>17841</b>		



<b>Exhibit P-40, Budget Item Justification Sheet</b>						Date: May 2009
Appropriation / Budget Activity / Serial No: Other Procurement, Army / 2 / Communications and Electronics Equipment				P-1 Item Nomenclature COTS Tactical Radios (B81803)		
Program Elements for Code B Items:		Code:	Other Related Program Elements:			
	Prior Years	FY 2008	FY 2009	FY 2010	To Complete	Total Prog
Proc Qty						
Gross Cost	1137.3	196.7	133.8	12.6		1480.4
Less PY Adv Proc						
Plus CY Adv Proc						
Net Proc P1	1137.3	196.7	133.8	12.6		1480.4
Initial Spares						
Total Proc Cost	1137.3	196.7	133.8	12.6		1480.4
Flyaway U/C						
Weapon System Proc U/C						
<b>Description:</b> Prior to FY08, SSN B81803 was a shared funding line used to procure TACSAT, Handheld, and High Frequency Radios. As of FY08, only TACSAT radios are funded by this line. The TACSAT radios (AN/PSC-5D and AN/PRC-117F) provide units with Multi-Mode voice and data radio communications in Line of Sight and SATCOM Modes of Operation. The radios provide Command and Control (C2) communications for the Corps and Division Warfighter Networks, and support Army Special Operations Forces C2. The radios operate in the VHF/UHF bands (30-512 MHz), and are available in three configurations: Manpack, SATCOM on the Move (SOTM), and Transit Case.						
<b>Justification:</b> FY2010 Base procurement dollars in the amount of \$2.800 million will procure Total Package Fielding and management support for newly fielded TACSAT assets. FY2010 OCO procurement dollars in the amount of \$9.800 million will procure 187 TACSAT Radios (AN/PSC-5D, AN/PRC-117F).						

<b>Exhibit P-5, Weapon OPA2 Cost Analysis</b>	Appropriation/Budget Activity/Serial No: Other Procurement, Army / 2 / Communications and Electronics Equipment	P-1 Line Item Nomenclature: COTS Tactical Radios (B81803)	Weapon System Type:	Date: May 2009
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OPA2 Cost Elements	ID	FY 08			FY 09			FY 10		
	CD	Total Cost	Qty	Unit Cost	Total Cost	Qty	Unit Cost	Total Cost	Qty	Unit Cost
		\$000	Units	\$000	\$000	Units	\$000	\$000	Units	\$000
TACSAT Radio PRC-117		149733	2757	54.3	35644	640	55.7	3900	69	56.5
TACSAT Radio PSC-5D		17779	325	54.7	91960	1671	55.0	6500	118	55.1
Other Hardware		16227								
Engineering					746					
Project Management		1145			336			975		
Total Pkg Fielding		11824			5155			1225		
<b>Total:</b>		<b>196708</b>			<b>133841</b>			<b>12600</b>		

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

Date:  
May 2009

WBS Cost Elements:	Contractor and Location	Contract Method and Type	Location of PCO	Award Date	Date of First Delivery	QTY Units	Unit Cost \$000	Specs Avail Now?	Date Revsn Avail	RFP Issue Date
Appropriation/Budget Activity/Serial No: Other Procurement, Army/ 2/ Communications and Electronics Equipment										
		Weapon System Type:	P-1 Line Item Nomenclature: COTS Tactical Radios (B81803)							
<b>TACSAT Radio PRC-117</b>										
FY 2008	Harris Corp Rochester, NY	C/IDIQ	LCCM, Ft Monmouth, NJ	Apr 09	Aug 09	2757	54.300	Y		
FY 2009	Harris Corp Rochester, NY	C/IDIQ	LCCM, Ft Monmouth, NJ	Apr 09	Aug 09	640	55.700	Y		
FY 2010	Harris Corp Rochester, NY	C/IDIQ	LCCM, Ft Monmouth, NJ	Jan 10	May 10	69	56.500	Y		
<b>TACSAT Radio PSC-5D</b>										
FY 2008	Raytheon Corp. Ft. Wayne, IN	C/IDIQ	LCCM, Ft Monmouth, NJ	May 09	Sep 09	325	54.700	Y		
FY 2009	Raytheon Corp. Ft. Wayne, IN	C/IDIQ	LCCM, Ft Monmouth, NJ	Aug 09	Dec 09	1671	55.000	Y		
FY 2010	Raytheon Corp. Ft. Wayne, IN	C/IDIQ	LCCM, Ft Monmouth, NJ	Jan 10	May 10	118	55.100	Y		

REMARKS: Unit price fluctuations are due to the differences in procured configurations.

<b>FY 08 / 09 BUDGET PRODUCTION SCHEDULE</b>	P-1 ITEM NOMENCLATURE COTS Tactical Radios (B81803)	Date: May 2009
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COST ELEMENTS						Fiscal Year 08											Fiscal Year 09											Later																	
M F R	FY	S E R V	PROC QTY Units	ACCEP PRIOR TO 1 OCT	BAL DUE AS OF 1 OCT	Calendar Year 08											Calendar Year 09																												
						O	N	D	J	F	M	A	M	J	J	A	S	O	N	D	J	F	M	A	M	J	J		A	S															
						C	O	E	A	E	A	P	A	U	U	U	E	C	O	V	E	A	E	A	A	U	U		U	U	E														
<b>TACSAT Radio PRC-117</b>																																													
1	FY 08	A	2757	0	2757																										A				100	200	2457								
1	FY 09	A	640	0	640																										A				50	50	540								
1	FY 10	A	69	0	69																																69								
<b>TACSAT Radio PSC-5D</b>																																													
2	FY 08	A	325	0	325																																	A		40	285				
2	FY 09	A	1671	0	1671																																		A		1671				
2	FY 10	A	118	0	118																																				118				
<b>Total</b>					5580																																				150	290	5140		
						O	N	D	J	F	M	A	M	J	J	A	S	O	N	D	J	F	M	A	M	J	J	A	S	O	N	D	J	F	M	A	M	J	J	A	S				
						C	O	E	A	E	A	P	A	U	U	U	E	C	O	V	E	A	E	A	A	U	U	U	C	T	V	E	A	E	A	A	U	U	U	U	E	P			

M F R	Name - Location	PRODUCTION RATES			Reached D+	MFR	ADMIN LEAD TIME		MFR After 1 Oct	TOTAL After 1 Oct	REMARKS		
		MIN	1-8-5	MAX			1	Initial				Prior 1 Oct	After 1 Oct
1	Harris Corp, Rochester, NY	25	200	300		1	Initial	0	16	4	20		
							Reorder	0	4	4	8		
2	Raytheon Corp., Ft. Wayne, IN	25	150	250		2	Initial	0	16	4	20		
							Reorder	0	4	4	8		
							Initial						
							Reorder						
							Initial						
							Reorder						
							Initial						
							Reorder						

<b>FY 10 / 11 BUDGET PRODUCTION SCHEDULE</b>	P-1 ITEM NOMENCLATURE COTS Tactical Radios (B81803)	Date: May 2009
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COST ELEMENTS						Fiscal Year 10												Fiscal Year 11												Later
M F R	FY	S E R V	PROC QTY Units	ACCEP PRIOR TO 1 OCT	BAL DUE AS OF 1 OCT	Calendar Year 10												Calendar Year 11												
						O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	
TACSAT Radio PRC-117																														
1	FY 08	A	2757	300	2457	250	250	250	250	250	250	250	250	250	207														0	
1	FY 09	A	640	100	540	50	50	50	50	50	50	50	40	40	83	27													0	
1	FY 10	A	69	0	69				A				10	10	10	10	10	10	9										0	
TACSAT Radio PSC-5D																														
2	FY 08	A	325	40	285	50	50	75	75	35																			0	
2	FY 09	A	1671	0	1671			50	100	125	150	160	150	150	150	162	170	154											0	
2	FY 10	A	118	0	118				A				10	20	20	20	20	20	8										0	
Total						5140	350	350	425	475	460	450	460	460	470	470	207	192	200	171										
						O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	

M F R	Name - Location	PRODUCTION RATES			Reached D+	MFR	ADMIN LEAD TIME		MFR After 1 Oct	TOTAL After 1 Oct	REMARKS	
		MIN	1-8-5	MAX			Prior 1 Oct	After 1 Oct				
		1	2	3			4	5	6	7		8
1	Harris Corp, Rochester, NY	25	200	300		1	Initial	0	16	4	20	
							Reorder	0	4	4	8	
2	Raytheon Corp., Ft. Wayne, IN	25	150	250		2	Initial	0	16	4	20	
							Reorder	0	4	4	8	
							Initial					
							Reorder					
							Initial					
							Reorder					
							Initial					
							Reorder					

<b>Exhibit P-40, Budget Item Justification Sheet</b>						Date: May 2009
Appropriation / Budget Activity / Serial No: Other Procurement, Army / 2 / Communications and Electronics Equipment				P-1 Item Nomenclature HAND HELD RADIO/PRC 148 (B81804)		
Program Elements for Code B Items:		Code:	Other Related Program Elements:			
	Prior Years	FY 2008	FY 2009	FY 2010	To Complete	Total Prog
Proc Qty						
Gross Cost	2000.6	66.7	31.1	2.4		2100.8
Less PY Adv Proc						
Plus CY Adv Proc						
Net Proc P1	2000.6	66.7	31.1	2.4		2100.8
Initial Spares						
Total Proc Cost	2000.6	66.7	31.1	2.4		2100.8
Flyaway U/C						
Weapon System Proc U/C						
<b>Description:</b>						
The Hand Held Radio (HHR) is a small, lightweight full-featured Combat Net Radio operating contiguously over the UHF/VHF band (30-512 MHz) frequency range. The radio has embedded US type-1 COMSEC protection and is capable of both voice and data modes of operation. The HHR provides a hand held, highly flexible tactical radio useful over a very broad range of combat environments. System options include Single Channel Ground and Airborne Radio System (SINCGARS), HAVEQUICK I/II and Advanced Narrowband Digital Voice Terminal (ANDVT) waveforms, and a retransmission capability compatible with existing equipment.						
<b>Justification:</b>						
FY2010 Base procurement dollars in the amount of \$0.929 million will procure 125 Hand Held Radios (AN/PRC-148).						
FY2010 OCO procurement dollars in the amount of \$1.486 million will procure an additional 275 Hand Held Radios (AN/PRC-148).						

<b>Exhibit P-5, Weapon OPA2 Cost Analysis</b>	Appropriation/Budget Activity/Serial No: Other Procurement, Army / 2 / Communications and Electronics Equipment	P-1 Line Item Nomenclature: HAND HELD RADIO/PRC 148 (B81804)	Weapon System Type:	Date: May 2009
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OPA2 Cost Elements	ID	FY 08			FY 09			FY 10		
	CD	Total Cost	Qty	Unit Cost	Total Cost	Qty	Unit Cost	Total Cost	Qty	Unit Cost
		\$000	Each	\$000	\$000	Each	\$000	\$000	Each	\$000
HHR - AN/PRC-148		43890	10450	4	27481	6543	4	1600	400	4
Other Hardware		19745						90		
Total Pkg Fielding		2534			3300			645		
Engrg		151								
LOG										
Project Management		403			282			80		
<b>Total:</b>		<b>66723</b>			<b>31063</b>			<b>2415</b>		

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

Date:  
May 2009

Appropriation/Budget Activity/Serial No: Other Procurement, Army/ 2/ Communications and Electronics Equipment		Weapon System Type:	P-1 Line Item Nomenclature: HAND HELD RADIO/PRC 148 (B81804)								
WBS Cost Elements:	Contractor and Location	Contract Method and Type	Location of PCO	Award Date	Date of First Delivery	QTY Each	Unit Cost \$000	Specs Avail Now?	Date Revsn Avail	RFP Issue Date	
<b>HHR - AN/PRC-148</b>											
FY 2008	Thales Bethesda, Md	C/IDIQ	JTRS JPEO, San Diego	May 09	Jul 09	5450	4	Y			
FY 2008	Harris Rochester, NY	C/IDIQ	JTRS JPEO, San Diego	May 09	Jul 09	5000	4	Y			
FY 2009	Thales Bethesda, Md	C/IDIQ	JTRS JPEO, San Diego	Aug 09	Oct 09	3543	4	Y			
FY 2009	Harris Rochester, NY	C/IDIQ	JTRS JPEO, San Diego	Aug 09	Oct 09	3000	4	Y			
FY 2010	Thales Bethesda, Md	C/IDIQ	JTRS JPEO, San Diego	Jan 10	Mar 10	400	4	Y			

REMARKS: Future procurements of HHRs will use the JTRS JPEO Competitive Contract. The current competitive contractors are Thales and Harris.



<b>FY 09 / 10 BUDGET PRODUCTION SCHEDULE</b>	P-1 ITEM NOMENCLATURE HAND HELD RADIO/PRC 148 (B81804)	Date: May 2009
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COST ELEMENTS						Fiscal Year 09													Fiscal Year 10													Later
M F R	FY	S E R V	PROC QTY Each	ACCEP PRIOR TO 1 OCT	BAL DUE AS OF 1 OCT	Calendar Year 09													Calendar Year 10													
						O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P			

HHR - AN/PRC-148																																						
1	FY 08	A	5450	0	5450																																0	
2	FY 08	A	5000	0	5000																																0	
1	FY 09	A	3543	0	3543																															0		
2	FY 09	A	3000	0	3000																																0	
1	FY 10	A	400	0	400																																0	
Total					17393																																	
						O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P									

M F R	Name - Location	PRODUCTION RATES			Reached D+	MFR	ADMIN LEAD TIME		MFR After 1 Oct	TOTAL After 1 Oct	REMARKS	
		MIN	1-8-5	MAX			Prior 1 Oct	After 1 Oct				
1	Thales, Bethesda, Md	100	700	1000		1	Initial	0	14	2	16	Future procurements of HHR's will be through the JTRS JPEO. The competitive award was split between Thales and Harris. Each subsequent years' production requirement is competed between the two vendors. The contract is IDIQ.
							Reorder	0	4	2	6	
2	Harris, Rochester, NY	100	700	1000		2	Initial	0	14	2	16	
							Reorder	0	4	2	6	
							Initial					
							Reorder					
							Initial					
							Reorder					

<b>Exhibit P-40, Budget Item Justification Sheet</b>						Date: May 2009
Appropriation / Budget Activity / Serial No: Other Procurement, Army / 2 / Communications and Electronics Equipment				P-1 Item Nomenclature HIGH FREQUENCY RADIO/PRC 150 (B81806)		
Program Elements for Code B Items:		Code:	Other Related Program Elements:			
	Prior Years	FY 2008	FY 2009	FY 2010	To Complete	Total Prog
Proc Qty						
Gross Cost	1609.5	93.9	58.9	2.8		1765.1
Less PY Adv Proc						
Plus CY Adv Proc						
Net Proc P1	1609.5	93.9	58.9	2.8		1765.1
Initial Spares						
Total Proc Cost	1609.5	93.9	58.9	2.8		1765.1
Flyaway U/C						
Weapon System Proc U/C						
<b>Description:</b> The HF Radio (AN/PRC-150) is a COTS Non-Developmental Item family of advanced High Frequency radios that provides reliable, long-range tactical radio communications through use of advanced digital signal processing. The radio reduces the need for separate cryptographic equipment by embedding US type-1 COMSEC within the radio. The AN/PRC-150 family is available as a lightweight 20-watt man-pack radio, 20-watt and 150-watt vehicular radio, 150-watt transit system, and a 400-watt transportable base station configuration. The radio provides reliable Line-of-Sight (LOS) and Beyond LOS communication in Upper Sideband, Lower Sideband, Automated Link Establishment, Continuous War, and FM modes. The radio is interoperable with other HF radios within the Army that have these modes of operation. The National Security Agency endorsed the COMSEC features of the AN/PRC-150 HF radio on 4 June 2001.						
<b>Justification:</b> FY2010 Base procurement dollars in the amount of \$2.826 million will procure 68 AN/PRC-150 Radios. FY2010 OCO funding is zero.						

<b>Exhibit P-5, Weapon OPA2 Cost Analysis</b>	Appropriation/Budget Activity/Serial No: Other Procurement, Army / 2 / Communications and Electronics Equipment	P-1 Line Item Nomenclature: HIGH FREQUENCY RADIO/PRC 150 (B81806)	Weapon System Type:	Date: May 2009
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OPA2 Cost Elements	ID	FY 08			FY 09			FY 10		
	CD	Total Cost	Qty	Unit Cost	Total Cost	Qty	Unit Cost	Total Cost	Qty	Unit Cost
		\$000	Each	\$000	\$000	Each	\$000	\$000	Each	\$000
HF Radio - PRC-150		36316	1195	30	23220	756	31	2200	68	32
Other Hardware		47939			31206					
Engineering		31			86					
Total Pkg Fielding		8900			3550			232		
LOG								34		
Program Management		718			882			360		
<b>Total:</b>		<b>93904</b>			<b>58944</b>			<b>2826</b>		

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

Date:  
May 2009

WBS Cost Elements:	Contractor and Location	Contract Method and Type	Location of PCO	Award Date	Date of First Delivery	QTY Each	Unit Cost \$000	Specs Avail Now?	Date Revsn Avail	RFP Issue Date
Appropriation/Budget Activity/Serial No: Other Procurement, Army/ 2/ Communications and Electronics Equipment		Weapon System Type:		P-1 Line Item Nomenclature: HIGH FREQUENCY RADIO/PRC 150 (B81806)						
<b>HF Radio - PRC-150</b>										
FY 2008	Harris Radio Rochester , NY	IDIQ	CECOM ACQ Center	Sep 08	Nov 08	550	30	N		
FY 2008	GSA-TBD TBD	IDIQ	CECOM ACQ Center	Jun 09	Aug 09	645	30	N		
FY 2009	GSA-TBD TBD	IDIQ	CECOM ACQ Center	Jun 09	Aug 09	756	31	N		
FY 2010	GSA-TBD TBD	IDIQ	CECOM ACQ Center	Jan 10	Mar 10	68	32	N		

REMARKS: Unit price fluctuations are due to the differences in procured configurations.

<b>FY 08 / 09 BUDGET PRODUCTION SCHEDULE</b>	P-1 ITEM NOMENCLATURE HIGH FREQUENCY RADIO/PRC 150 (B81806)	Date: May 2009
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COST ELEMENTS						Fiscal Year 08													Fiscal Year 09													Later
M F R	FY	S E R V	PROC QTY Each	ACCEP PRIOR TO 1 OCT	BAL DUE AS OF 1 OCT	Calendar Year 08													Calendar Year 09													
						O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P			
HF Radio - PRC-150																																
1	FY 08	A	550	0	550														A		50	75	75	75	75	75	50	50	25			0
2	FY 08	A	645	0	645																							A		75	75	495
2	FY 09	A	756	0	756																						A		25	50	681	
2	FY 10	A	68	0	68																											68
Total					2019																50	75	75	75	75	75	50	50	25	100	125	1244
						O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P			

M F R	Name - Location	PRODUCTION RATES			Reached D+	MFR	ADMIN LEAD TIME		MFR After 1 Oct	TOTAL After 1 Oct	REMARKS		
		MIN	1-8-5	MAX			1	2				Prior 1 Oct	After 1 Oct
												0	12
1	Harris Radio, Rochester , NY	50	100	150		1	Initial	0	12	2	14	This is a Commercial-Off-The-Shelf (COTS) Radio product. Army requirements do not affect commercial production rates.	
							Reorder	0	3	2	5		
2	GSA-TBD, TBD	50	100	150		2	Initial	0	9	2	11		
							Reorder	0	3	2	5		
							Initial						
							Reorder						
							Initial						
							Reorder						

<b>FY 10 / 11 BUDGET PRODUCTION SCHEDULE</b>	P-1 ITEM NOMENCLATURE HIGH FREQUENCY RADIO/PRC 150 (B81806)	Date: May 2009
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COST ELEMENTS						Fiscal Year 10												Fiscal Year 11												Later
M F R	FY	S E R V	PROC QTY Each	ACCEP PRIOR TO 1 OCT	BAL DUE AS OF 1 OCT	Calendar Year 10												Calendar Year 11												
						O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	

HF Radio - PRC-150																																			
1	FY 08	A	550	550																															0
2	FY 08	A	645	150	495	75	75	75	75	75	75	45																							0
2	FY 09	A	756	75	681	75	75	75	75	75	65	70	126	45																					0
2	FY 10	A	68	0	68					A		10	35	23																					0
Total					1244	150	150	150	150	150	150	149	45																						
						O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P						

M F R	Name - Location	PRODUCTION RATES			Reached D+	MFR	ADMIN LEAD TIME		MFR After 1 Oct	TOTAL After 1 Oct	REMARKS	
		MIN	1-8-5	MAX			Prior 1 Oct	After 1 Oct				
1	Harris Radio, Rochester , NY	50	100	150		1	Initial	0	12	2	14	There is no gap in production. This is a Commercial-Off-The-Shelf (COTS) Radio product. Army requirements do not affect commercial production rates.
							Reorder	0	3	2	5	
2	GSA-TBD, TBD	50	100	150		2	Initial	0	9	2	11	
							Reorder	0	3	2	5	
							Initial					
							Reorder					
							Initial					
							Reorder					

<b>Exhibit P-40, Budget Item Justification Sheet</b>	Date: May 2009
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Appropriation / Budget Activity / Serial No: Other Procurement, Army / 2 / Communications and Electronics Equipment	P-1 Item Nomenclature MEDICAL COMM FOR CBT CASUALTY CARE (MC4) (MA8046)
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Program Elements for Code B Items:	Code:	Other Related Program Elements:
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	Prior Years	FY 2008	FY 2009	FY 2010	To Complete	Total Prog
Proc Qty					Continuing	Continuing
Gross Cost	524.5	91.0	50.3	18.6	Continuing	Continuing
Less PY Adv Proc						
Plus CY Adv Proc						
Net Proc P1	524.5	91.0	50.3	18.6	Continuing	Continuing
Initial Spares						
Total Proc Cost	524.5	91.0	50.3	18.6	Continuing	Continuing
Flyaway U/C						
Weapon System Proc U/C					Continuing	Continuing

**Description:**  
 The Medical Communications for Combat Casualty Care (MC4) System provides multipliers to the medical force structure through the acquisition of information technology solutions for the deployable medical forces. The MC4 System will fulfill the requirements highlighted in United States Code: Title 10, Subtitle A, Part II, Chapter 55, Section 1074f, mandating the proper documentation of deployed service members' medical treatment to include pre- and post-deployment screening and its associated medical surveillance, enabling each soldier to have a comprehensive, life-long medical record of all illnesses and injuries. The MC4 System will also interface Force Health Protection and medical surveillance information with Army Battle Command and Combat Service Support information technology systems as they evolve to support the Army Transformation. The collection and analysis of medical data provided by the MC4 system provides and enhances medical situational awareness for operational commanders. The MC4 program is currently in full fielding of integrated IM/IT equipment.

**Justification:**  
 FY10 Base funding in the amount of \$18.583 million supports program office fielding management efforts and production engineering for new systems. In addition, base funding will procure MC4 systems for new fielding and provide net training for 45 active units and 19 National Guard units. This results in 2047 components of the MC4 system.

FY10 OCO funding in the amount of \$0.018 million will procure 9 laptop computers which will be placed in theater equipment reserve for replacement/swapout/repair.

<b>Exhibit P-5, Weapon OPA2 Cost Analysis</b>	Appropriation/Budget Activity/Serial No: Other Procurement, Army / 2 / Communications and Electronics Equipment	P-1 Line Item Nomenclature: MEDICAL COMM FOR CBT CASUALTY CARE (MC4) (MA8046)			Weapon System Type:	Date: May 2009				
<b>OPA2 Cost Elements</b>	ID	<b>FY 08</b>			<b>FY 09</b>			<b>FY 10</b>		
	CD	Total Cost	Qty	Unit Cost	Total Cost	Qty	Unit Cost	Total Cost	Qty	Unit Cost
		\$000	Each	\$000	\$000	Each	\$000	\$000	Each	\$000
Medical Information Systems Equipment		73915			32818			5222		
PMO Fielding Management		3878			3923			3970		
Field equipment /conduct New Equip Train		7959			8222			3931		
Production Engineering		5264			5314			5478		
<b>Total:</b>		<b>91016</b>			<b>50277</b>			<b>18601</b>		



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

Date:  
May 2009

Appropriation/Budget Activity/Serial No: Other Procurement, Army/ 2/ Communications and Electronics Equipment	Weapon System Type:	P-1 Line Item Nomenclature: MEDICAL COMM FOR CBT CASUALTY CARE (MC4) (MA8046)								
WBS Cost Elements:	Contractor and Location	Contract Method and Type	Location of PCO	Award Date	Date of First Delivery	QTY Each	Unit Cost \$000	Specs Avail Now?	Date Revsn Avail	RFP Issue Date
<b>Medical Information Systems Equipment</b>										
FY 2008	TBS	C/FP	ITEC4- Alexandria	Mar 08	Sep 08					
FY 2009	TBS	C/FP	ITEC4- Alexandria	Apr 09	TBD					
FY 2010	TBS	C/FP	ITEC4-Alexandria							
FY 2011	TBS	C/FP	ITEC4-Alexandria							
<b>PMO Fielding Management</b>										
FY 2008	General Dynamics (IT) Frederick, MD	FFP	GSA Philadelphia	Feb 07	VAR			na		
FY 2009	General Dynamics (IT) Frederick, MD	FFP	GSA Philadelphia	Feb 08	VAR			na		
FY 2010	General Dynamics (IT) Frederick, MD	FFP	GSA Philadelphia	Feb 09	VAR			na		
FY 2011	TBS	TBS	TBS					na		
<b>Field equipment /conduct New Equip Train</b>										
FY 2008	General Dynamics (IT) Frederick, MD	TM	GSA Philadelphia	Feb 07	VAR			na		
FY 2009	General Dynamics (IT) Frederick, MD	TM	GSA Philadelphia	Feb 08	VAR			na		
FY 2010	General Dynamics (IT) Frederick, MD	TM	GSA Philadelphia	Feb 09	VAR			na		
FY 2011	TBS	TBS	TBS					na		

REMARKS: Contracted Product Management Office support and Fielding Support/New Equipment Training is provided under GSA/General Dynamics-Information Technology Division contract, awarded 28 Feb 2005, with option years through 28 Feb 2010. Equipment has been procured through Army Contracting Agency Information Technology, E-Commerce and Commercial Contracting Center (ITEC-4). Equipment is COTS and is procured with various of the 7 MC4 Line Item Numbers (LINs) depending on specific configurations of tactical units to be fielded.

<b>Exhibit P-40, Budget Item Justification Sheet</b>					Date: May 2009	
Appropriation / Budget Activity / Serial No: Other Procurement, Army / 2 / Communications and Electronics Equipment				P-1 Item Nomenclature CI AUTOMATION ARCHITECTURE (MIP) (BK5284)		
Program Elements for Code B Items:		Code:	Other Related Program Elements:			
	Prior Years	FY 2008	FY 2009	FY 2010	To Complete	Total Prog
Proc Qty						
Gross Cost	60.7	8.3	1.5	1.4	Continuing	Continuing
Less PY Adv Proc						
Plus CY Adv Proc						
Net Proc P1	60.7	8.3	1.5	1.4	Continuing	Continuing
Initial Spares						
Total Proc Cost	60.7	8.3	1.5	1.4	Continuing	Continuing
Flyaway U/C						
Weapon System Proc U/C					Continuing	Continuing
<b>Description:</b> This program provides the Army, as a member of the DoD counterintelligence (CI) community, with an advanced global automated data processing information environment and architecture, enhancing the Army's ability to counter the global threat through significant improvements in information sharing, common situational awareness, and knowledge management in a joint operational environment. Program resources time-sensitive CI force protection support to a deployed Land Component Commander and the development and overcapitalization of the Defense Counterintelligence Information System (DCIIS).						
<b>Justification:</b> FY2010 procures the Department of Defense Intelligence Information System (DODIIS)-compliant Counterintelligence (CI) and Human Intelligence (HUMINT) materiel solutions to support implementation of DCIIS at Army Intelligence sites at the MACOM level.						

<b>Exhibit P-40, Budget Item Justification Sheet</b>					Date: May 2009	
Appropriation / Budget Activity / Serial No: Other Procurement, Army / 2 / Communications and Electronics Equipment			P-1 Item Nomenclature TSEC - ARMY KEY MGT SYS (AKMS) (BA1201)			
Program Elements for Code B Items: 0303140A		Code: A	Other Related Program Elements:			
	Prior Years	FY 2008	FY 2009	FY 2010	To Complete	Total Prog
Proc Qty						
Gross Cost	231.9	95.6	34.8	29.5	Continuing	Continuing
Less PY Adv Proc						
Plus CY Adv Proc						
Net Proc P1	231.9	95.6	34.8	29.5	Continuing	Continuing
Initial Spares						
Total Proc Cost	231.9	95.6	34.8	29.5	Continuing	Continuing
Flyaway U/C						
Weapon System Proc U/C					Continuing	Continuing
<b>Description:</b> Army Key Management System (AKMS) is the Army's system to automate the functions of Communications Security (COMSEC) key management control and distribution, Electronic Counter-Countermeasures (ECCM) generation and distribution and Signal Operation Instructions (SOI) management. AKMS electronically generates and distributes Army key and key-related material, thereby limiting adversarial access to, and reducing the vulnerability of, Army Command, Control, Communications, Computers, Intelligence (C4I) systems. It provides key management to communications and network planning. AKMS consists of three components, namely, the Local COMSEC Management Software (LCMS), the Automated Communications Engineering System (ACES) and the Simple Key Loader (SKL). LCMS is the Army's portion of the four-tiered Electronic Key Management System (EKMS). The EKMS is a key management, COMSEC material distribution and logistics support system consisting of interoperable service and civil agency key management systems. ACES is a Spectrum Management tool that provides enhanced automated functions of net/cryptonet management, Signal Operating Instructions and Electronic Protection. The Simple Key Loader (SKL) moves the ACES/LCMS data to End Crypto Units (ECUs). The SKL, although not a recognized Joint Program, has multi-service support. The Tri-Services have formed a Tri-Service Working Group (TSWG) to support the SKL production/fielding. Army is the chair for the TSWG and the Air Force, Navy and the National Security Agency (NSA) are voting members. Customer funding has been received from the other services to procure SKLs for field use. The Army First Unit Equipped (FUE) was in May05 and fielding to remaining Army units is continuing. The Coalition Joint Spectrum Management Planning Tool (CJSMPT) supports deconfliction of frequencies between Improvised Explosive Device (IED) Jammers and Blue Force Communications and this software program will reside on the ACES workstation.  AKMS is part of the management/support infrastructure for the new Modular Army architecture, which provides critical functions for supporting Army's transformation.						
<b>Justification:</b> FY2010 Base procurement dollars in the amount of \$29.5M supports and continues the fielding of the SKL, continues post deployment software support (PDSS) for the SKLs, procures ACES workstations and software, and provides for the associated government and contractor engineering support and training for ACES, LCMS, and SKLs. The SKL will be utilized to perform all Tier Three functions of Electronic Key Management System (EKMS). Funding also includes PDSS and associated government and contractor engineering support and training for the CJSMPT.						

<b>OPA2 Cost Elements</b>		ID	<b>FY 08</b>			<b>FY 09</b>			<b>FY 10</b>		
		CD	Total Cost	Qty	Unit Cost	Total Cost	Qty	Unit Cost	Total Cost	Qty	Unit Cost
			\$000	Units	\$000	\$000	Units	\$000	\$000	Units	\$000
Simple Key Loader			13752	7370	1.866	13725	7204	1.905	11772	6087	1.934
Gov't Engineering			1697			2128			1905		
Contractor Engineering			3462			3772			2442		
Fielding/NET Current Systems			2228			2221			2351		
Software Upgrade			1854			1855			2210		
SKL ancillary equipment (cables)			232			239			277		
ACES/LCMS Workstation						4500			2480		
Spectrum Management			2753			6371			6088		
NOTE 1: SKL includes the host (COTS) and KOV-21 card, which is GFE from NSA.											
FY08 Simple Key Loader Supplemental			69667	41289	1.687						
<b>Total:</b>			<b>95645</b>			<b>34811</b>			<b>29525</b>		

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

Date:  
May 2009

Appropriation/Budget Activity/Serial No: Other Procurement, Army/ 2/ Communications and Electronics Equipment		Weapon System Type:	P-1 Line Item Nomenclature: TSEC - ARMY KEY MGT SYS (AKMS) (BA1201)							
WBS Cost Elements:	Contractor and Location	Contract Method and Type	Location of PCO	Award Date	Date of First Delivery	QTY Units	Unit Cost \$000	Specs Avail Now?	Date Revsn Avail	RFP Issue Date
<b>Simple Key Loader</b>										
FY 2008	Sierra Nevada Sparks, NV	IDIQ	Ft Monmouth Acquisition Center	Jan 08	Apr 08	7370	1.866	Yes		
FY 2009	Sierra Nevada Sparks, NV	IDIQ	Ft Monmouth Acquisition Center	Jan 09	Apr 09	7204	1.905	Yes		
FY 2010	Sierra Nevada Sparks, NV	IDIQ	Ft Monmouth Acquisition Center	Jan 10	Apr 10	6087	1.934	Yes		
<b>FY08 Simple Key Loader Supplemental</b>										
FY 2008	Sierra Nevada Sparks, NV	IDIQ	Ft Monmouth Acquisition Center	Aug 08	Nov 08	41289	1.687	Yes		

REMARKS:

<b>FY 09 / 10 BUDGET PRODUCTION SCHEDULE</b>	P-1 ITEM NOMENCLATURE TSEC - ARMY KEY MGT SYS (AKMS) (BA1201)	Date: May 2009
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COST ELEMENTS						Fiscal Year 09												Fiscal Year 10												Later
M F R	FY	S E R V	PROC QTY Units	ACCEP PRIOR TO 1 OCT	BAL DUE AS OF 1 OCT	Calendar Year 09												Calendar Year 10												
						O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	

Simple Key Loader																																					
1	FY 08	A	7370	3686	3684	614	614	614	614	614	614																						0				
1	FY 09	A	7204	0	7204					A			595	595	595	595	595	595	595	595	595	595	595	595	595	595	595	659					0				
1	FY 10	A	6087	0	6087																						A			508	508	508	508	508	507	3040	
1	FY 08	AF	5000	2502	2498	417	417	416	416	416	416																							0			
1	FY 09	AF	5000	0	5000					A			417	417	417	417	417	417	417	417	416	416	416	416									0				
1	FY 10	AF	6168	0	6168																						A			514	514	514	514	514	514	3084	
1	FY 08	NA	500	252	248	42	42	41	41	41	41																							0			
1	FY 09	NA	500	0	500					A			42	42	42	42	42	42	42	42	41	41	41	41									0				
1	FY 10	NA	3000	0	3000																						A			250	250	250	250	250	250	1500	
1	FY 08	ANG	1000	504	496	83	83	83	83	83	81																							0			
1	FY 09	ANG	1000	0	1000					A			84	84	84	84	84	84	83	83	83	83	82	82									0				
1	FY 10	ANG	1000	0	1000																						A			84	84	84	84	84	84	496	
1	FY 08	OTH	5000	2502	2498	417	417	416	416	416	416																							0			
1	FY 09	OTH	2500	0	2500					A			209	209	209	209	208	208	208	208	208	208	208	208									0				
1	FY 10	OTH	2500	0	2500																							A			209	209	209	209	208	208	1248
						O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P								

M F R	Name - Location	PRODUCTION RATES			Reached D+	MFR	ADMIN LEAD TIME		MFR After 1 Oct	TOTAL After 1 Oct	REMARKS		
		MIN	1-8-5	MAX			1	Initial				Prior 1 Oct	After 1 Oct
1	Sierra Nevada, Sparks, NV	1	2300	5000									

<b>FY 09 / 10 BUDGET PRODUCTION SCHEDULE</b>	P-1 ITEM NOMENCLATURE TSEC - ARMY KEY MGT SYS (AKMS) (BA1201)	Date: May 2009
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<b>COST ELEMENTS</b>						<b>Fiscal Year 09</b>														<b>Fiscal Year 10</b>											<b>Later</b>
<b>MFR</b>	<b>FY</b>	<b>S E R V</b>	<b>PROC QTY Units</b>	<b>ACCEP PRIOR TO 1 OCT</b>	<b>BAL DUE AS OF 1 OCT</b>	<b>Calendar Year 09</b>														<b>Calendar Year 10</b>											
						<b>O C T</b>	<b>N O V</b>	<b>D E C</b>	<b>J A N</b>	<b>F E B</b>	<b>M A R</b>	<b>A P R</b>	<b>M A Y</b>	<b>J U N</b>	<b>J U L</b>	<b>A U G</b>	<b>S E P</b>	<b>O C T</b>	<b>N O V</b>	<b>D E C</b>	<b>J A N</b>	<b>F E B</b>	<b>M A R</b>	<b>A P R</b>	<b>M A Y</b>	<b>J U N</b>	<b>J U L</b>	<b>A U G</b>	<b>S E P</b>		

FY08 Simple Key Loader Supplemental																																					
1	FY 08	A	41289	0	41289		3420	3420	3420	3420	3420	3453	3456	3456	3456	3456	3456																				0
Total					85672	1573	4993	4990	4990	4990	4988	4800	4803	4803	4803	4802	4802	4801	1345	1343	1343	1342	1406	1565	1565	1565	1565	1565	1564	1563					9368		
							<b>O C T</b>	<b>N O V</b>	<b>D E C</b>	<b>J A N</b>	<b>F E B</b>	<b>M A R</b>	<b>A P R</b>	<b>M A Y</b>	<b>J U N</b>	<b>J U L</b>	<b>A U G</b>	<b>S E P</b>	<b>O C T</b>	<b>N O V</b>	<b>D E C</b>	<b>J A N</b>	<b>F E B</b>	<b>M A R</b>	<b>A P R</b>	<b>M A Y</b>	<b>J U N</b>	<b>J U L</b>	<b>A U G</b>	<b>S E P</b>							

MFR	Name - Location	PRODUCTION RATES				Reached D+	MFR 1	ADMIN LEAD TIME		MFR After 1 Oct	TOTAL After 1 Oct	REMARKS
		MIN	1-8-5	MAX	Prior 1 Oct			After 1 Oct				
									Initial			
1	Sierra Nevada, Sparks, NV	1	2300	5000			2	0	18	18		
							0	2	3	5		

<b>Exhibit P-40, Budget Item Justification Sheet</b>						Date: May 2009
Appropriation / Budget Activity / Serial No: Other Procurement, Army / 2 / Communications and Electronics Equipment				P-1 Item Nomenclature INFORMATION SYSTEM SECURITY PROGRAM-ISSP (TA0600)		
Program Elements for Code B Items:		Code:	Other Related Program Elements:			
	Prior Years	FY 2008	FY 2009	FY 2010	To Complete	Total Prog
Proc Qty						
Gross Cost	1672.3	215.5	187.9	65.3	Continuing	Continuing
Less PY Adv Proc						
Plus CY Adv Proc						
Net Proc P1	1672.3	215.5	187.9	65.3	Continuing	Continuing
Initial Spares						
Total Proc Cost	1672.3	215.5	187.9	65.3	Continuing	Continuing
Flyaway U/C						
Weapon System Proc U/C					Continuing	Continuing
<b>Description:</b>						
<p>The Information Systems Security Program (ISSP) procures and fields Communications Security (COMSEC) solutions, key management capabilities and information assurance (IA) tools to secure the Global Information Grid (GIG). New and emerging architectures are driving the need to replace current inventory of stove pipe systems with technologically advanced (network centric/GIG compliant) devices that incorporate Chairman of the Joint Chiefs of Staff and Joint Requirements Oversight Council directed cryptographic modernization, advanced key management and network centric performance capabilities.</p> <p>Biometrics (automated methods of recognizing a person based on a physiological or behavioral characteristics), is a component within the ISSP. DoD D 8521.aaE established the Department of Defense (DoD) Biometrics Program and designated the Secretary of the Army (SA) as the Executive Agent for the DoD Biometrics program with the Director, Biometrics Task Force (BTF) serving as the Execute Manager. Project Manager (PM) DoD Biometrics is responsible for the Biometric Enterprise Core Capability (BECC), known as Enterprise System, and Biometric Family of Capabilities for Full Spectrum Operations (BFCFSO), known as Tactical Collection Systems. The USD (AT&amp;L) designated DoD Biometrics as an Acquisition Category (ACAT) 1 - Special Interest Program on 2 September 2008, and directed the Army, as the Executive Agent for DoD Biometrics, to pursue a Milestone B decision not later than FY 2010.</p> <p>As PM DoD Biometrics works toward obtaining a successful MS B decision and for two Program of Records (PORs), BECC and BFCFSO in FY 2010, the PM must also support and sustain the current Quick Reaction Capabilities (QRCs) developed, and fielded to meet critical Joint Urgent Operational Needs (JUONS). BECC provides the POR capability for the DoD's central authoritative biometric repository, with envisioned service oriented architecture and common collection/enrollment/verification software supporting near-real-time retention, capture, or release data to the Warfighter. BFCFSO provides the POR capability for tactical collection of biometrics data and will include the capabilities of the current QRC Biometrics Automated Toolset-Army (BAT-A). BFCFSO is envisioned to employ integrated software and sensors to capture multimodal image information in an interoperable system facilitating the use of biometrics; provide the ability to positively identify, authenticate, authorize, track and target and further exploit individuals encountered wherever US Forces operate; improve system architecture, functional form and data input flow; and incorporate new biometric capabilities.</p>						
<b>Justification:</b>						
FY 10 Base Funding in the amount of \$27.952M procures new scalable, High Assurance Internet Protocol Encryptor (HAIPE) compliant In-Line Encryptors to provide greater bandwidth and improved security to support warfighter information dominance, Simple Key Loader (SKL) to support and meet the increased demand for crypto key volume which cannot be supported by the						



<b>Exhibit P-40, Budget Item Justification Sheet</b>	Date: May 2009
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Appropriation / Budget Activity / Serial No: Other Procurement, Army / 2 / Communications and Electronics Equipment	P-1 Item Nomenclature INFORMATION SYSTEM SECURITY PROGRAM-ISSP (TA0600)
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Program Elements for Code B Items:	Code:	Other Related Program Elements:
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current Data Transfer Device (DTD), and combined Link/Trunk Encryption functionality into a single device to meet Army compliance with fielded Joint Network Node (JNN)systems, JNN HUB sites (collocated with Teleports), the Single Shelter Switch and other new and modernizing Army programs.

FY 10 Base Funding in the amount of \$5.237M also procures biometric software, COOP equipment, technology equipment insertion and refresh, required spares and system life-cycle replacement as required.

FY 10 OCO Funding in the amount of \$14.511 procures new scalable High Assurance Internet Protocol Encryptor (HAIPE) compliant In-Line Encryptors to provide greater bandwidth and improved security to support warfighter information dominance, Simple Key Loader (SKL) to support and meet the increased demand for crypto key volume which cannot be supported by the current Data Transfer Device (DTD), and combined Link/Trunk Encryption functionality into a single device to meet Army compliance with fielded Joint Network Node (JNN)systems, JNN HUB sites (collocated with Teleports), the Single Shelter Switch and other new and modernizing Army programs.

FY 10 OCO funding in the amount of \$17.584 million will procure tactical biometric collection systems: 1500 Biometric Automated Toolsets (BATs) and 100 servers supporting planned and emergent requirements for Iraq and Afghanistan surge. Funds also procure additional 500 technology refreshed BAT systems and 15 technology refreshed servers.

		FY2008	FY2009	FY2010
Active	QTY			
	Gross Cost	146455	170117	62263
National Guard	QTY			
	Gross Cost	47409	14804	1452
Reserve	Qty			
	Gross Cost	21636	2951	1569

<b>Exhibit P-5, Weapon OPA2 Cost Analysis</b>	Appropriation/Budget Activity/Serial No: Other Procurement, Army / 2 / Communications and Electronics Equipment	P-1 Line Item Nomenclature: INFORMATION SYSTEM SECURITY PROGRAM-ISSP (TA0600)			Weapon System Type:	Date: May 2009				
<b>OPA2 Cost Elements</b>	ID	<b>FY 08</b>			<b>FY 09</b>			<b>FY 10</b>		
	CD	Total Cost	Qty	Unit Cost	Total Cost	Qty	Unit Cost	Total Cost	Qty	Unit Cost
		\$000	Each	\$000	\$000	Each	\$000	\$000	Each	\$000
IN-LINE NETWORK ENCRYPTORS (INE)	A	70945	10135	7	52620	5262	10	4770	477	10
INE INSTALLATION KITS	A	4337	8674	1						
LINK/TRUNK ENCRYPTORS	A	21455	3065	7	47928	5991	8	10216	1277	8
LINK/TRUNK INSTALLATION KITS	A				3525	1410	3	888	444	2
SECURE WIRED	A	5013	2785	2	4764	1588	3	3957	1319	3
SECURE TERMINAL EQUIPMENT	A	42	15	3						
ENHANCED CRYPTO CARD	A	13091	43638							
SECURE WIRELESS	A	4100	1000	4	393	131	3	945	315	3
SECURE VOICE ENCRYPTOR	A	1860	300	6	132	22	6			
ELECTRONIC FILL DEVICE	A	955	562	2	15428	7714	2	2700	1350	2
IFF MODE 5	A				1488			447		
KEY MANAGEMENT (EKMS/KMI)	A	1683			3556			1339		
FIELDING		21502			15464			14209		
CRITICAL ARMY SYS - CYBER ATTACK TECH		1192								
NETWORK SECURITY MANAGEMENT TOOLS		4248			3774			2992		
BIOMETRICS		62600			36570			22821		
PUBLIC KEY INFRASTRUCTURE		2477			2230					
<b>Total:</b>		<b>215500</b>			<b>187872</b>			<b>65284</b>		

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

Date:  
May 2009

Appropriation/Budget Activity/Serial No: Other Procurement, Army/ 2/ Communications and Electronics Equipment	Weapon System Type:	P-1 Line Item Nomenclature: INFORMATION SYSTEM SECURITY PROGRAM-ISSP (TA0600)								
WBS Cost Elements:	Contractor and Location	Contract Method and Type	Location of PCO	Award Date	Date of First Delivery	QTY Each	Unit Cost \$000	Specs Avail Now?	Date Revsn Avail	RFP Issue Date
<b>IN-LINE NETWORK ENCRYPTORS (INE)</b>										
FY 2008	NSA FORT MEADE, MD	IDIQ	NSA, FT MEADE, MD	Jan 08	Jan 09	10135	7	YES		
FY 2009	NSA FORT MEADE, MD	IDIQ	NSA, FT MEADE, MD	Jan 09	Jan 10	5262	10	YES		
FY 2010	NSA FORT MEADE, MD	IDIQ	NSA, FT MEADE, MD	Jan 10	Jan 11	477	10	YES		
<b>INE INSTALLATION KITS</b>										
FY 2008	NSA FORT MEADE, MD	IDIQ	NSA, FT MEADE, MD	Jan 08	Jan 09	8674	1	YES		
<b>LINK/TRUNK ENCRYPTORS</b>										
FY 2008	NSA FORT MEADE, MD	IDIQ	NSA, FT MEADE, MD	Jan 08	Jan 09	3065	7	YES		
FY 2009	NSA FORT MEADE, MD	IDIQ	NSA, FT MEADE, MD	Jan 09	Jan 10	5991	8	YES		
FY 2010	NSA FORT MEADE, MD	IDIQ	NSA, FT MEADE, MD	Jan 10	Jan 11	1277	8	YES		
<b>LINK/TRUNK INSTALLATION KITS</b>										
FY 2009	NSA FORT MEADE, MD	IDIQ	NSA, FT MEADE, MD	Jan 09	Jan 10	1410	3	YES		
FY 2010	NSA FORT MEADE, MD	IDIQ	NSA, FT MEADE, MD	Jan 10	Jan 11	444	2	YES		
<b>SECURE WIRED</b>										
FY 2008	NSA FORT MEADE, MD	IDIQ	NSA, FT MEADE, MD	Jan 08	Jan 09	2785	2	YES		
FY 2009	NSA FORT MEADE, MD	IDIQ	NSA, FT MEADE, MD	Jan 09	Jan 10	1588	3	YES		
FY 2010	NSA FORT MEADE, MD	IDIQ	NSA, FT MEADE, MD	Jan 10	Jan 11	1319	3	YES		
<b>SECURE TERMINAL EQUIPMENT</b>										
FY 2008	NSA FORT MEADE, MD	IDIQ	NSA, FT MEADE, MD	Jan 08	Jan 09	15	3	YES		
<b>ENHANCED CRYPTO CARD</b>										
FY 2008	NSA	IDIQ	NSA, FT MEADE, MD	Jan 08	Jan 09	43638		YES		

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

Date:  
May 2009

WBS Cost Elements:	Contractor and Location	Contract Method and Type	Location of PCO	Award Date	Date of First Delivery	QTY Each	Unit Cost \$000	Specs Avail Now?	Date Revsn Avail	RFP Issue Date
Appropriation/Budget Activity/Serial No: Other Procurement, Army/ 2/ Communications and Electronics Equipment										
		Weapon System Type:	P-1 Line Item Nomenclature: INFORMATION SYSTEM SECURITY PROGRAM-ISSP (TA0600)							
<b>SECURE WIRELESS</b>	FORT MEADE, MD									
FY 2008	NSA FORT MEADE, MD	IDIQ	NSA, FT MEADE, MD	Jan 08	Jan 09	1000	4	YES		
FY 2009	NSA FORT MEADE, MD	IDIQ	NSA, FT MEADE, MD	Jan 09	Jan 10	131	3	YES		
FY 2010	NSA FORT MEADE, MD	IDIQ	NSA, FT MEADE, MD	Jan 10	Jan 11	315	3	YES		
<b>SECURE VOICE ENCRYPTOR</b>										
FY 2008	NSA FORT MEADE, MD	IDIQ	NSA, FT MEADE, MD	Jan 08	Jan 09	300	6	YES		
FY 2009	NSA FORT MEADE, MD	IDIQ	NSA, FT MEADE, MD	Jan 09	Jan 10	22	6	YES		
<b>ELECTRONIC FILL DEVICE</b>										
FY 2008	NSA FORT MEADE, MD	IDIQ	NSA, FT MEADE, MD	Jan 08	Jan 09	562	2	YES		
FY 2009	NSA FORT MEADE, MD	IDIQ	NSA, FT MEADE, MD	Jan 09	Jan 10	7714	2	YES		
FY 2010	NSA FORT MEADE, MD	IDIQ	NSA, FT MEADE, MD	Jan 10	Jan 11	1350	2	YES		

REMARKS:

<b>FY 08 / 09 BUDGET PRODUCTION SCHEDULE</b>	P-1 ITEM NOMENCLATURE INFORMATION SYSTEM SECURITY PROGRAM-ISSP (TA0600)	Date: May 2009
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COST ELEMENTS						Fiscal Year 08												Fiscal Year 09												Later
M F R	FY	S E R V	PROC QTY Units	ACCEP PRIOR TO 1 OCT	BAL DUE AS OF 1 OCT	Calendar Year 08												Calendar Year 09												
						O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	

IN-LINE NETWORK ENCRYPTORS (INE)																												
5	FY 08	A	10135	0	10135				A																			2532
5	FY 09	A	5262	0	5262																							5262
5	FY 10	A	477	0	477																							477

INE INSTALLATION KITS																												
5	FY 08	A	8674	0	8674				A																			2168

LINK/TRUNK ENCRYPTORS																												
5	FY 08	A	3065	0	3065				A																			765
5	FY 09	A	5991	0	5991																							5991
5	FY 10	A	1277	0	1277																							1277

LINK/TRUNK INSTALLATION KITS																												
5	FY 09	A	1410	0	1410																							1410
5	FY 10	A	444	0	444																							444

SECURE WIRED																													
5	FY 08	A	2785	0	2785				A																			696	
5	FY 09	A	1588	0	1588																							1588	
						O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P

M F R	Name - Location	PRODUCTION RATES				Reached D+	MFR	ADMIN LEAD TIME		MFR After 1 Oct	TOTAL After 1 Oct	REMARKS	
		MIN	1-8-5	MAX	1			Initial	0				3
1	GENERAL DYNAMICS, NEEDHAM MA	10	500	1800	6	1	Initial	0	3	12	15		
							Reorder	0	3	12	15		
2	MYKOTRONX, INC, TORRANCE, CA	10	1000	4000	6	2	Initial	0	3	12	15		
3	L3, CAMDEN, NJ	10	1000	1500	6	2	Reorder	0	3	12	15		
4	SAFENET, BELCAMP, MD	10	500	1000	6	3	Initial	0	3	12	15		
5	NSA, FORT MEADE, MD	10	500	1800	6	3	Reorder	0	3	12	15		
6	SYPRIS, LOUISVILLE, KY	10	500	1800	6	4	Initial	0	3	6	9		
7	VIASAT, CARLSBAD, CA	10	500	1800	6	4	Reorder	0	3	6	9		
8	HARRIS CORP, MELBOURNE, FL	10	500	1800	6	5	Initial	0	3	12	15		
							Reorder	0	3	12	15		

**FY 08 / 09 BUDGET PRODUCTION SCHEDULE**

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

Date: May 2009

COST ELEMENTS						Fiscal Year 08											Fiscal Year 09											Later																									
M F R	FY	S E R V	PROC QTY Units	ACCEP PRIOR TO 1 OCT	BAL DUE AS OF 1 OCT	Calendar Year 08											Calendar Year 09																																				
						O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L		A U G	S E P																							
5	FY 10	A	1319	0	1319																									1319																							
SECURE TERMINAL EQUIPMENT																																																					
5	FY 08	A	15	0	15					A																1	1	1	1	2	2	2	1	1	3																		
ENHANCED CRYPTO CARD																																																					
5	FY 08	A	43638	0	43638					A																3636	3636	3636	3637	3637	3637	3637	3637	3637	10908																		
SECURE WIRELESS																																																					
5	FY 08	A	1000	0	1000					A																83	83	83	83	84	84	84	84	83	249																		
5	FY 09	A	131	0	131																					A									131																		
5	FY 10	A	315	0	315																														315																		
SECURE VOICE ENCRYPTOR																																																					
5	FY 08	A	300	0	300					A																25	25	25	25	25	25	25	25	25	75																		
5	FY 09	A	22	0	22																					A									22																		
ELECTRONIC FILL DEVICE																																																					
5	FY 08	A	562	0	562					A																46	47	47	47	47	47	47	47	47	140																		
5	FY 09	A	7714	0	7714																					A									7714																		
5	FY 10	A	1350	0	1350																														1350																		
<table border="1"> <thead> <tr> <th>O C T</th><th>N O V</th><th>D E C</th><th>J A N</th><th>F E B</th><th>M A R</th><th>A P R</th><th>M A Y</th><th>J U N</th><th>J U L</th><th>A U G</th><th>S E P</th><th>O C T</th><th>N O V</th><th>D E C</th><th>J A N</th><th>F E B</th><th>M A R</th><th>A P R</th><th>M A Y</th><th>J U N</th><th>J U L</th><th>A U G</th><th>S E P</th> </tr> </thead> </table>																														O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P
O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P																														

M F R	Name - Location	PRODUCTION RATES			Reached D+	MFR	ADMIN LEAD TIME		MFR After 1 Oct	TOTAL After 1 Oct	REMARKS	
		MIN	1-8-5	MAX			Prior 1 Oct	After 1 Oct				
		1	Initial	0			3	12	15			
1	GENERAL DYNAMICS, NEEDHAM MA	10	500	1800	6	1	Initial	0	3	12	15	
							Reorder	0	3	12	15	
2	MYKOTRONX, INC, TORRANCE, CA	10	1000	4000	6	2	Initial	0	3	12	15	
3	L3, CAMDEN, NJ	10	1000	1500	6		Reorder	0	3	12	15	
4	SAFENET, BELCAMP, MD	10	500	1000	6	3	Initial	0	3	12	15	
5	NSA, FORT MEADE, MD	10	500	1800	6		Reorder	0	3	12	15	
6	SYPRIS, LOUISVILLE, KY	10	500	1800	6	4	Initial	0	3	6	9	
7	VIASAT, CARLSBAD, CA	10	500	1800	6		Reorder	0	3	6	9	
8	HARRIS CORP, MELBOURNE, FL	10	500	1800	6	5	Initial	0	3	12	15	
							Reorder	0	3	12	15	



<b>FY 10 / 11 BUDGET PRODUCTION SCHEDULE</b>	P-1 ITEM NOMENCLATURE INFORMATION SYSTEM SECURITY PROGRAM-ISSP (TA0600)	Date: May 2009
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COST ELEMENTS						Fiscal Year 10													Fiscal Year 11													Later
M F R	FY	S E R V	PROC QTY Units	ACCEP PRIOR TO 1 OCT	BAL DUE AS OF 1 OCT	Calendar Year 10													Calendar Year 11													
						O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P			
IN-LINE NETWORK ENCRYPTORS (INE)																																
5	FY 08	A	10135	7603	2532	844	844	844																					0			
5	FY 09	A	5262	0	5262				438	438	438	439	439	439	439	439	439	438	438	438									0			
5	FY 10	A	477	0	477				A												39	40	40	40	40	40	40	40	40	118		
INE INSTALLATION KITS																																
5	FY 08	A	8674	6506	2168	723	723	722																					0			
LINK/TRUNK ENCRYPTORS																																
5	FY 08	A	3065	2300	765	255	255	255																					0			
5	FY 09	A	5991	0	5991				499	499	499	499	500	500	500	500	499	499	499	498									0			
5	FY 10	A	1277	0	1277				A												106	106	106	106	107	107	107	107	107	318		
LINK/TRUNK INSTALLATION KITS																																
5	FY 09	A	1410	0	1410				117	117	117	118	118	118	118	118	117	117	117										0			
5	FY 10	A	444	0	444				A												37	37	37	37	37	37	37	37	111			
SECURE WIRED																																
5	FY 08	A	2785	2089	696	232	232	232																					0			
5	FY 09	A	1588	0	1588				132	132	132	132	132	133	133	133	132	132	132										0			

M F R	Name - Location	PRODUCTION RATES				Reached D+	MFR	ADMIN LEAD TIME		MFR After 1 Oct	TOTAL After 1 Oct	REMARKS
		MIN	1-8-5	MAX	Prior 1 Oct			After 1 Oct				
		1	Initial	0	3	12	15					
1	GENERAL DYNAMICS, NEEDHAM MA	10	500	1800	6	1	Initial	0	3	12	15	
							Reorder	0	3	12	15	
2	MYKOTRONX, INC, TORRANCE, CA	10	1000	4000	6	2	Initial	0	3	12	15	
3	L3, CAMDEN, NJ	10	1000	1500	6	2	Reorder	0	3	12	15	
4	SAFENET, BELCAMP, MD	10	500	1000	6	3	Initial	0	3	12	15	
5	NSA, FORT MEADE, MD	10	500	1800	6	3	Reorder	0	3	12	15	
6	SYPRIS, LOUISVILLE, KY	10	500	1800	6	4	Initial	0	3	6	9	
7	VIASAT, CARLSBAD, CA	10	500	1800	6	4	Reorder	0	3	6	9	
8	HARRIS CORP, MELBOURNE, FL	10	500	1800	6	5	Initial	0	3	12	15	
							Reorder	0	3	12	15	



COST ELEMENTS						Fiscal Year 10												Fiscal Year 11								Later				
M F R	FY	S E R V	PROC QTY Units	ACCEP PRIOR TO 1 OCT	BAL DUE AS OF 1 OCT	Calendar Year 10												Calendar Year 11												
						O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y		J U N	J U L	A U G	S E P
5	FY 10	A	1319	0	1319				A											109	109	110	110	110	111	110	110	110	330	
SECURE TERMINAL EQUIPMENT																														
5	FY 08	A	15	12	3	1	1	1																					0	
ENHANCED CRYPTO CARD																														
5	FY 08	A	43638	32730	10908	3636	3636	3636																					0	
SECURE WIRELESS																														
5	FY 08	A	1000	751	249	83	83	83																					0	
5	FY 09	A	131	0	131				10	11	11	11	11	11	11	11	11	11	11										0	
5	FY 10	A	315	0	315				A											26	26	26	26	27	27	27	26	26	78	
SECURE VOICE ENCRYPTOR																														
5	FY 08	A	300	225	75	25	25	25																					0	
5	FY 09	A	22	0	22				1	2	2	2	2	2	2	2	2	2	2	2	1								0	
ELECTRONIC FILL DEVICE																														
5	FY 08	A	562	422	140	47	47	46																					0	
5	FY 09	A	7714	0	7714				642	642	642	643	644	644	644	644	643	642	642	642									0	
5	FY 10	A	1350	0	1350				A											111	112	113	113	113	113	113	113	113	336	
						O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	

M F R	Name - Location	PRODUCTION RATES			Reached D+	MFR	ADMIN LEAD TIME		MFR After 1 Oct	TOTAL After 1 Oct	REMARKS
		MIN	1-8-5	MAX			Prior 1 Oct	After 1 Oct			
		Initial		Reorder							
1	GENERAL DYNAMICS, NEEDHAM MA	10	500	1800	6	1	0	3	12	15	
2	MYKOTRONX, INC, TORRANCE, CA	10	1000	4000	6	2	0	3	12	15	
3	L3, CAMDEN, NJ	10	1000	1500	6		0	3	12	15	
4	SAFENET, BELCAMP, MD	10	500	1000	6	3	0	3	12	15	
5	NSA, FORT MEADE, MD	10	500	1800	6		0	3	12	15	
6	SYPRIS, LOUISVILLE, KY	10	500	1800	6	4	0	3	6	9	
7	VIASAT, CARLSBAD, CA	10	500	1800	6		0	3	6	9	
8	HARRIS CORP, MELBOURNE, FL	10	500	1800	6	5	0	3	12	15	
							0	3	12	15	

**FY 10 / 11 BUDGET PRODUCTION SCHEDULE**

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

Date: May 2009

COST ELEMENTS						Fiscal Year 10														Fiscal Year 11														Later
MFR	FY	SERV	PROC QTY Units	ACCEP PRIOR TO 1 OCT	BAL DUE AS OF 1 OCT	Calendar Year 10														Calendar Year 11														
						OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP					
Total					44836	5846	5846	5844	1839	1841	1841	1844	1846	1847	1847	1847	1845	1841	1841	1839	428	430	432	432	434	435	434	433	433	1291				
						OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP					

MFR	Name - Location	PRODUCTION RATES			Reached D+	MFR	ADMIN LEAD TIME		MFR After 1 Oct	TOTAL After 1 Oct	REMARKS
		MIN	1-8-5	MAX			Prior 1 Oct	After 1 Oct			
		1	GENERAL DYNAMICS, NEEDHAM MA	10	500	1800	6	1	Initial	0	
							Reorder	0	3	12	15
2	MYKOTRONX, INC, TORRANCE, CA	10	1000	4000	6	2	Initial	0	3	12	15
							Reorder	0	3	12	15
3	L3, CAMDEN, NJ	10	1000	1500	6	3	Initial	0	3	12	15
							Reorder	0	3	12	15
4	SAFENET, BELCAMP, MD	10	500	1000	6	3	Initial	0	3	12	15
							Reorder	0	3	12	15
5	NSA, FORT MEADE, MD	10	500	1800	6	4	Initial	0	3	6	9
							Reorder	0	3	6	9
6	SYPRIS, LOUISVILLE, KY	10	500	1800	6	4	Initial	0	3	6	9
							Reorder	0	3	6	9
7	VIASAT, CARLSBAD, CA	10	500	1800	6	5	Initial	0	3	12	15
							Reorder	0	3	12	15
8	HARRIS CORP, MELBOURNE, FL	10	500	1800	6	5	Initial	0	3	12	15
							Reorder	0	3	12	15

<b>FY 12 / 13 BUDGET PRODUCTION SCHEDULE</b>	P-1 ITEM NOMENCLATURE INFORMATION SYSTEM SECURITY PROGRAM-ISSP (TA0600)	Date: May 2009
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COST ELEMENTS						Fiscal Year 12												Fiscal Year 13												Later
M F R	FY	S E R V	PROC QTY Units	ACCEP PRIOR TO 1 OCT	BAL DUE AS OF 1 OCT	Calendar Year 12												Calendar Year 13												
						O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	
IN-LINE NETWORK ENCRYPTORS (INE)																														
5	FY 08	A	10135	10135																									0	
5	FY 09	A	5262	5262																									0	
5	FY 10	A	477	359	118	40	39	39																					0	
INE INSTALLATION KITS																														
5	FY 08	A	8674	8674																									0	
LINK/TRUNK ENCRYPTORS																														
5	FY 08	A	3065	3065																									0	
5	FY 09	A	5991	5991																									0	
5	FY 10	A	1277	959	318	106	106	106																					0	
LINK/TRUNK INSTALLATION KITS																														
5	FY 09	A	1410	1410																									0	
5	FY 10	A	444	333	111	37	37	37																					0	
SECURE WIRED																														
5	FY 08	A	2785	2785																									0	
5	FY 09	A	1588	1588																									0	

M F R	Name - Location	PRODUCTION RATES			Reached D+	MFR	ADMIN LEAD TIME		MFR After 1 Oct	TOTAL After 1 Oct	REMARKS THESE ARE MULTISERVICE CONTRACTS WITH MULTIPLE DELIVERIES TO EACH DEPARTMENT OF DEFENSE AGENCY.
		MIN	1-8-5	MAX			Prior 1 Oct	After 1 Oct			
1	GENERAL DYNAMICS, NEEDHAM MA	10	500	1800	6	1	Initial	0	3	12	15
							Reorder	0	3	12	15
2	MYKOTRONX, INC, TORRANCE, CA	10	1000	4000	6	2	Initial	0	3	12	15
							Reorder	0	3	12	15
3	L3, CAMDEN, NJ	10	1000	1500	6	3	Initial	0	3	12	15
							Reorder	0	3	12	15
4	SAFENET, BELCAMP, MD	10	500	1000	6	4	Initial	0	3	6	9
							Reorder	0	3	6	9
5	NSA, FORT MEADE, MD	10	500	1800	6	5	Initial	0	3	12	15
							Reorder	0	3	12	15
6	SYPRIS, LOUISVILLE, KY	10	500	1800	6		Initial	0	3	6	9
							Reorder	0	3	6	9
7	VIASAT, CARLSBAD, CA	10	500	1800	6		Initial	0	3	12	15
							Reorder	0	3	12	15
8	HARRIS CORP, MELBOURNE, FL	10	500	1800	6		Initial	0	3	12	15
							Reorder	0	3	12	15

**FY 12 / 13 BUDGET PRODUCTION SCHEDULE**

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

Date: May 2009

COST ELEMENTS					Fiscal Year 12											Fiscal Year 13											Later						
M F R	FY	S E R V	PROC QTY Units	ACCEP PRIOR TO 1 OCT	BAL DUE AS OF 1 OCT	Calendar Year 12											Calendar Year 13																
						O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N		J U L	A U G	S E P			
5	FY 10	A	1319	989	330	110	110	110																									
SECURE TERMINAL EQUIPMENT																																	
5	FY 08	A	15	15																													0
ENHANCED CRYPTO CARD																																	
5	FY 08	A	43638	43638																													0
SECURE WIRELESS																																	
5	FY 08	A	1000	1000																													0
5	FY 09	A	131	131																													0
5	FY 10	A	315	237	78	26	26	26																									0
SECURE VOICE ENCRYPTOR																																	
5	FY 08	A	300	300																													0
5	FY 09	A	22	22																													0
ELECTRONIC FILL DEVICE																																	
5	FY 08	A	562	562																													0
5	FY 09	A	7714	7714																													0
5	FY 10	A	1350	1014	336	112	112	112																									0

M F R	Name - Location	PRODUCTION RATES			Reached D+	MFR		ADMIN LEAD TIME		MFR After 1 Oct	TOTAL After 1 Oct	REMARKS THESE ARE MULTISERVICE CONTRACTS WITH MULTIPLE DELIVERIES TO EACH DEPARTMENT OF DEFENSE AGENCY.
		MIN	1-8-5	MAX				Prior 1 Oct	After 1 Oct			
		1	2	3				4	5			
	GENERAL DYNAMICS, NEEDHAM MA	10	500	1800	6	1	Initial	0	3	12	15	
							Reorder	0	3	12	15	
1	MYKOTRONX, INC, TORRANCE, CA	10	1000	4000	6	2	Initial	0	3	12	15	
2	L3, CAMDEN, NJ	10	1000	1500	6		Reorder	0	3	12	15	
3	SAFENET, BELCAMP, MD	10	500	1000	6	3	Initial	0	3	12	15	
4	NSA, FORT MEADE, MD	10	500	1800	6		Reorder	0	3	12	15	
5	SYPRIS, LOUISVILLE, KY	10	500	1800	6	4	Initial	0	3	6	9	
6	VIASAT, CARLSBAD, CA	10	500	1800	6		Reorder	0	3	6	9	
7	HARRIS CORP, MELBOURNE, FL	10	500	1800	6	5	Initial	0	3	12	15	
8							Reorder	0	3	12	15	

FY 12 / 13 BUDGET PRODUCTION SCHEDULE																	P-1 ITEM NOMENCLATURE INFORMATION SYSTEM SECURITY PROGRAM-ISSP (TA0600)										Date: May 2009			
COST ELEMENTS						Fiscal Year 12											Fiscal Year 13										Later			
M F R	FY	S E R V	PROC QTY Units	ACCEP PRIOR TO 1 OCT	BAL DUE AS OF 1 OCT	Calendar Year 12											Calendar Year 13													
						O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	
Total						1291	431	430	430																					
						O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	

  

M F R	Name - Location	PRODUCTION RATES			Reached D+	MFR	ADMIN LEAD TIME		MFR After 1 Oct	TOTAL After 1 Oct	REMARKS THESE ARE MULTISERVICE CONTRACTS WITH MULTIPLE DELIVERIES TO EACH DEPARTMENT OF DEFENSE AGENCY.
		MIN	1-8-5	MAX			Prior 1 Oct	After 1 Oct			
1	GENERAL DYNAMICS, NEEDHAM MA	10	500	1800	6	1	Initial	0	3	12	15
							Reorder	0	3	12	15
2	MYKOTRONX, INC, TORRANCE, CA	10	1000	4000	6	2	Initial	0	3	12	15
3	L3, CAMDEN, NJ	10	1000	1500	6		Reorder	0	3	12	15
4	SAFENET, BELCAMP, MD	10	500	1000	6	3	Initial	0	3	12	15
5	NSA, FORT MEADE, MD	10	500	1800	6		Reorder	0	3	12	15
6	SYPRIS, LOUISVILLE, KY	10	500	1800	6	4	Initial	0	3	6	9
7	VIASAT, CARLSBAD, CA	10	500	1800	6		Reorder	0	3	6	9
8	HARRIS CORP, MELBOURNE, FL	10	500	1800	6	5	Initial	0	3	12	15
							Reorder	0	3	12	15

<b>Exhibit P-40, Budget Item Justification Sheet</b>						Date: May 2009
Appropriation / Budget Activity / Serial No: Other Procurement, Army / 2 / Communications and Electronics Equipment				P-1 Item Nomenclature TERRESTRIAL TRANSMISSION (BU1900)		
Program Elements for Code B Items:		Code:	Other Related Program Elements:			
	Prior Years	FY 2008	FY 2009	FY 2010	To Complete	Total Prog
Proc Qty						
Gross Cost	254.3	9.5	9.1	1.9	Continuing	Continuing
Less PY Adv Proc						
Plus CY Adv Proc						
Net Proc P1	254.3	9.5	9.1	1.9	Continuing	Continuing
Initial Spares						
Total Proc Cost	254.3	9.5	9.1	1.9	Continuing	Continuing
Flyaway U/C						
Weapon System Proc U/C					Continuing	Continuing
<b>Description:</b>						
<p>This program is a component of the Army's seamless Enterprise Network that provides long-haul communications compatibility across operational systems supporting the Department of Defense approved program to modernize and integrate digital operations within the Pacific and European Theaters. The goal architecture will be able to accommodate the rapidly changing deployment and realignment of forces within the Pacific and European Theaters. The modernization program supports force projection through technology insertion and evolutionary changes. The program also utilizes emerging technological developments to capitalize on digital information systems throughout the worldwide Defense Information System Network (DISN). The objective is an integrated, survivable network that provides voice, data messaging, video and transmission services to the Warfighter through the application of emerging technology such as Asynchronous Transfer Mode (ATM), Synchronous Optical Network (SONET), bulk encryption and network management systems. It will also continue the upgrade of power, timing and alarm systems for the European Transmission Systems. The theater Combatant Commanders require a robust infrastructure that will facilitate mobilization and sustainment of a deployed force.</p> <p>The Army Special Access Program Enterprise Portal (ASEP) is a secure enterprise wide area network providing a communications capability for the transmission of highly classified Special Access Required (SAR) information between the Army Operations Center (AOC), the Army staff, Army Special Access Programs (SAPs) and Army Sensitive Activities (SAs).</p>						
<b>Justification:</b>						
<p>FY 2010 base funding of \$1.890 million procures the expansion of the ASEP network to key offices within the Army SAP/SA community, thus enhancing the secure transfer of critical and classified SAR intelligence/operational information directly supporting the warfighter. ASEP makes the sharing of SAR information more timely, more relevant, more secure, and less at risk of compromise.</p>						

<b>Exhibit P-5, Weapon OPA2 Cost Analysis</b>	Appropriation/Budget Activity/Serial No: Other Procurement, Army / 2 / Communications and Electronics Equipment	P-1 Line Item Nomenclature: TERRESTRIAL TRANSMISSION (BU1900)	Weapon System Type:	Date: May 2009
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OPA2 Cost Elements	ID	FY 08			FY 09			FY 10		
	CD	Total Cost	Qty	Unit Cost	Total Cost	Qty	Unit Cost	Total Cost	Qty	Unit Cost
		\$000	Each	\$000	\$000	Each	\$000	\$000	Each	\$000
TERRESTRIAL TRANSMISSION EUROPE		3976			2911			1890		
TERRESTRIAL TRANSMISSION PACIFIC		5548			6229					
<b>Total:</b>		<b>9524</b>			<b>9140</b>			<b>1890</b>		

<b>Exhibit P-40, Budget Item Justification Sheet</b>						Date: May 2009
Appropriation / Budget Activity / Serial No: Other Procurement, Army / 2 / Communications and Electronics Equipment				P-1 Item Nomenclature TERRESTRIAL TRANSMISSION (BU2000)		
Program Elements for Code B Items:		Code:	Other Related Program Elements:			
	Prior Years	FY 2008	FY 2009	FY 2010	To Complete	Total Prog
Proc Qty						
Gross Cost	59.6	4.0	2.9	1.9	Continuing	Continuing
Less PY Adv Proc						
Plus CY Adv Proc						
Net Proc P1	59.6	4.0	2.9	1.9	Continuing	Continuing
Initial Spares						
Total Proc Cost	59.6	4.0	2.9	1.9	Continuing	Continuing
Flyaway U/C						
Weapon System Proc U/C					Continuing	Continuing
<b>Description:</b>						
<p>This program supports the Department of Defense approved program to modernize and integrate digital long-haul communications operations within the European Theater. The goal architecture will be able to accommodate the rapidly changing deployment and realignment of forces within the European Theater. This program is a component of the Army's seamless Enterprise Network that provides compatibility across operational systems. The modernization program supports force projection through technology insertion and evolutionary changes. The program utilizes emerging technological developments to capitalize on digital information systems throughout the worldwide Defense Information Systems Network (DISN). The objective is an integrated, survivable network that provides voice, data messaging, network physical security services, video and transmission services to the warfighter through the application of technology such as Asynchronous Transfer Mode (ATM), Synchronous Optical Network (SONET), bulk encryption and network management systems. It will also continue the upgrade of power, timing and alarm systems for the European Transmission Systems. The theater Combatant Commander requires a robust infrastructure that will facilitate mobilization between Outside Continental United States (OCONUS) based forces, deployed forces, and Continental United States (CONUS) command and support elements.</p> <p>The Army Special Access Program Enterprise Portal (ASEP) is a secure enterprise wide area network providing a communications capability for the transmission of highly classified Special Access Required (SAR) information between the Army Operations Center (AOC), the Army staff, Army Special Access Programs (SAPs) and Army Sensitive Activities (SAs).</p>						
<b>Justification:</b>						
<p>FY 2010 base funding of \$1.890 million procures the expansion of the ASEP network to key offices within the Army SAP/SA community, thus enhancing the secure transfer of critical and classified SAR intelligence/operational information directly supporting the warfighter. ASEP makes the sharing of SAR information more timely, more relevant, more secure, and less at risk of compromise.</p>						



<b>Exhibit P-40, Budget Item Justification Sheet</b>						Date: May 2009
Appropriation / Budget Activity / Serial No: Other Procurement, Army / 2 / Communications and Electronics Equipment				P-1 Item Nomenclature TERRESTRIAL TRANSMISSION PACIFIC (BU2100)		
Program Elements for Code B Items:		Code:	Other Related Program Elements:			
	Prior Years	FY 2008	FY 2009	FY 2010	To Complete	Total Prog
Proc Qty						
Gross Cost	138.8	5.5	6.2		Continuing	Continuing
Less PY Adv Proc						
Plus CY Adv Proc						
Net Proc P1	138.8	5.5	6.2		Continuing	Continuing
Initial Spares						
Total Proc Cost	138.8	5.5	6.2		Continuing	Continuing
Flyaway U/C						
Weapon System Proc U/C					Continuing	Continuing
<b>Description:</b> This program is a component of the Army's seamless Enterprise Network that provides long-haul communication compatibility across operational systems supporting the Department of Defense approved program to modernize and integrate digital operations within the Pacific Theater. This program modernizes the information and communication technology infrastructure by strategically improving the ability to successfully defend the Pacific Theater during periods of stress, increasing survivability of command, control, communications, computers and intelligence (C4I) systems; increasing information systems capacity to meet surge requirements; and improving the ability to reconstitute C4I systems. This program supports the command and control communication networks serving the Combined Forces Command, Commander US Forces Korea, Commander US Forces Japan and the United States Army Pacific Command. The Terrestrial Transmission Pacific program also supports the communication traffic routing and implements improvements with the Quality of Service (QoS). The objective is an integrated survivable network that provides voice, data, messaging, network physical security services, video and transmission services to the warfighter through the application of emerging technologies.						
<b>Justification:</b> There is no FY 2010 funding.						

<b>OPA2 Cost Elements</b>		ID	<b>FY 08</b>			<b>FY 09</b>			<b>FY 10</b>		
		CD	Total Cost	Qty	Unit Cost	Total Cost	Qty	Unit Cost	Total Cost	Qty	Unit Cost
			\$000	Each	\$000	\$000	Each	\$000	\$000	Each	\$000
<b>HARDWARE:</b>											
Korean Digital Microwave Upgrade			500	1	500	500	1	500			
Power /Alarm Upgrades			963	3	321	900	3	300			
KOBR/KOTNET			3385	7	484	3997	8	500			
DIVN-K											
<b>SITE PREP/SURVEYS/ INSTALLATION:</b>											
Korean Digital Microwave Upgrade			100			100					
KOBR/KOTNET			100			200					
DIVN-K											
Power / Alarms Upgrades			100			125					
Program Management Administration			400			407					
<b>Total:</b>			<b>5548</b>			<b>6229</b>					

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

Date:  
May 2009

WBS Cost Elements:	Contractor and Location	Contract Method and Type	Location of PCO	Award Date	Date of First Delivery	QTY Each	Unit Cost \$000	Specs Avail Now?	Date Revsn Avail	RFP Issue Date
Appropriation/Budget Activity/Serial No: Other Procurement, Army/ 2/ Communications and Electronics Equipment										
		Weapon System Type:	P-1 Line Item Nomenclature: TERRESTRIAL TRANSMISSION PACIFIC (BU2100)							
<b>Korean Digital Microwave Upgrade</b> FY 2008	Lockheed Martin Belmar NJ	C/FP	CECOM, Ft Monmouth, NJ	Mar 08	Apr 08	1	500	Yes		
FY 2009	TBD TBD	C/FP	TBS	Jan 09	Apr 09	1	500	Yes		
<b>Power /Alarm Upgrades</b> FY 2008	TAMSCO Calverton, MD	C/FP	CECOM, Ft Monmouth, Nj	Mar 08	Apr 08	3	321	Yes		
FY 2009	TBD TBD	C/FP	TBS	Jan 09	Apr 09	3	300	Yes		
<b>KOBR/KOTNET</b> FY 2008	TAMSCO Calverton, MD	C/FP	CECOM, Ft Monmouth	Mar 08	May 08	7	484	Yes		
FY 2009	TBD TBD	C/FP	TBS	Mar 09	May 09	8	500	Yes		
<b>DIVN-K</b>										

REMARKS:

<b>Exhibit P-40, Budget Item Justification Sheet</b>						Date: May 2009
Appropriation / Budget Activity / Serial No: Other Procurement, Army / 2 / Communications and Electronics Equipment				P-1 Item Nomenclature BASE SUPPORT COMMUNICATIONS (BU4160)		
Program Elements for Code B Items:		Code:	Other Related Program Elements:			
	Prior Years	FY 2008	FY 2009	FY 2010	To Complete	Total Prog
Proc Qty						
Gross Cost	587.4	26.6	35.0	25.5	Continuing	Continuing
Less PY Adv Proc						
Plus CY Adv Proc						
Net Proc P1	587.4	26.6	35.0	25.5	Continuing	Continuing
Initial Spares						
Total Proc Cost	587.4	26.6	35.0	25.5	Continuing	Continuing
Flyaway U/C						
Weapon System Proc U/C					Continuing	Continuing
<b>Description:</b> This program funds Army-wide requirements for garrison Land Mobile Radio (LMR) systems. Army non-tactical garrison LMR systems and radios are commercial solutions that provide mobile and portable radio support to garrison safety, force protection, homeland defense, and facilities maintenance operations. Garrison LMR systems and radios are used by installation military police, fire departments, medical personnel, and other emergency response activities to both synchronize emergency response efforts and for critical communications support during mobilization, deployment, and split-based operations. These personnel and base support functions would be greatly constrained without adequate communications capabilities that readily enable coordination, maximize the use of scarce radio spectrum, and provide secure voice transmissions. It is equally important that garrison LMR equipment be interoperable with state and local fire protection and law enforcement LMR architectures to ensure effective incident response communication. The LMR program modernizes the garrison level installation systems in two important areas. First: the National Telecommunications and Information Administration (NTIA) mandated the conversion of wideband LMR systems to narrowband operations by 1 January 2005 or 1 January 2008, depending on the specific frequency band. Second: LMR systems are key components of the Army Enterprise by providing a seamless communications network in support of base level communications and infrastructure.						
<b>Justification:</b> FY 2010 Base procurement dollars in the amount of \$25.525 million procures and modernizes garrison LMR systems that do not meet DOD and Army standards, are obsolete, are no longer supported by the manufacturer and that are non-compliant with the January 1, 2005 and January 1, 2008 NTIA narrowband mandate. Power projections and power support Army installations across the continental United States (CONUS) rely on base support LMR systems as a primary means to support force protection, public safety, installation management, and homeland defense missions.						

<b>Exhibit P-5, Weapon OPA2 Cost Analysis</b>		Appropriation/Budget Activity/Serial No: Other Procurement, Army / 2 / Communications and Electronics Equipment			P-1 Line Item Nomenclature: BASE SUPPORT COMMUNICATIONS (BU4160)			Weapon System Type:		Date: May 2009	
<b>OPA2 Cost Elements</b>		ID	<b>FY 08</b>			<b>FY 09</b>			<b>FY 10</b>		
		CD	Total Cost	Qty	Unit Cost	Total Cost	Qty	Unit Cost	Total Cost	Qty	Unit Cost
			\$000	Each	\$000	\$000	Each	\$000	\$000	Each	\$000
Commercial LMR Sys & Prog Mgt Army-wide		A	26615			35016			25525		
<b>Total:</b>			<b>26615</b>			<b>35016</b>			<b>25525</b>		

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

Date:  
May 2009

Appropriation/Budget Activity/Serial No: Other Procurement, Army/ 2/ Communications and Electronics Equipment	Weapon System Type:	P-1 Line Item Nomenclature: BASE SUPPORT COMMUNICATIONS (BU4160)								
WBS Cost Elements:	Contractor and Location	Contract Method and Type	Location of PCO	Award Date	Date of First Delivery	QTY Each	Unit Cost \$000	Specs Avail Now?	Date Revsn Avail	RFP Issue Date
<b>Commercial LMR Sys &amp; Prog Mgt Army-wide</b>										
FY 2008	Motorola Columbia, MD	C/FP	CECOM, Ft Monmouth, NJ	Var	Var			YES	NO	
FY 2008	M/A Com Lynchburg, VA	C/FP	CECOM, Ft Monmouth, NJ	Var	Var			YES	NO	
FY 2008	EF Johnson Dallas, TX	C/FP	CECOM, Ft Monmouth, NJ	Var	Var			YES	NO	
FY 2009	Motorola Columbia, MD	C/FP	CECOM, Ft Monmouth, NJ	Var	Var			YES	NO	
FY 2009	TBS	C/FP	CECOM, Ft Monmouth, NJ	Var	Var			YES	NO	
FY 2010	TBS	C/FP	TBS	Var	Var			YES	NO	

REMARKS:

<b>Exhibit P-40, Budget Item Justification Sheet</b>						Date: May 2009
Appropriation / Budget Activity / Serial No: Other Procurement, Army / 2 / Communications and Electronics Equipment				P-1 Item Nomenclature WW TECH CON IMP PROG (WWTCIP) (BU3610)		
Program Elements for Code B Items:		Code:	Other Related Program Elements:			
	Prior Years	FY 2008	FY 2009	FY 2010	To Complete	Total Prog
Proc Qty						
Gross Cost	782.6	48.0	327.1	31.3	Continuing	Continuing
Less PY Adv Proc						
Plus CY Adv Proc						
Net Proc P1	782.6	48.0	327.1	31.3	Continuing	Continuing
Initial Spares						
Total Proc Cost	782.6	48.0	327.1	31.3	Continuing	Continuing
Flyaway U/C						
Weapon System Proc U/C					Continuing	Continuing
<b>Description:</b>						
<p>The World Wide Technical Control Improvement Program (WWTCIP) is a continuing program to initiate, improve, expand and automate Army Defense Information Systems Network (DISN) and Technical Control Facilities (TCFs) to enable technical control personnel to gain full use of communications resources to support the Warfighters and gain information dominance. The program provides alternating and direct current (DC) power, timing and synchronization equipment, line conditioning equipment, and automatic technical control, Voice Frequency (VF) tactical interface, Defense Communications Tri-Tac interface and appropriate test equipment with associated hardware. The program benefits all users of the DISN worldwide including tactical users who connect to the DISN for long haul communications requirements. The upgrades provide the end user faster response time, high quality voice, video and digital circuits, and greatly minimizes outages. Many of the present configurations and equipment can no longer support the Warfighters requirements of voice, digital data, and Video Teleconference (VTC) requirements as well as Asynchronous Transfer Mode (ATM) technology and GigaBit Ethernet. The program is essential to correct these problems and to support ever-increasing high speed digital requirements of the tactical and strategic users with minimal personnel requirements. The program currently supports Combatant Commanders programs in Europe and the Pacific as well as the Continental United States (CONUS) Power Projection Bases and Defense Satellite Communications Systems. The emerging requirements of new base consolidations in both the Pacific and European Theaters will require robust Technical Control capability.</p>						
<b>Justification:</b>						
<p>FY 2010 base funding of \$31.256 million procures equipment to improve, expand, automate and integrate Technical Control Facilities (TCF) in various CONUS/OCONUS sites, including the automation of manual technical controls, the upgrade of timing and synchronization systems, and the replacement of obsolete DC power systems. Funds will also provide for tech refresh on aging systems worldwide and major technical control facility (TCF) relocations at Camp Humphreys, Fort Detrick and Raven Rock Mountain.</p>						

<b>Exhibit P-5, Weapon OPA2 Cost Analysis</b>		Appropriation/Budget Activity/Serial No: Other Procurement, Army / 2 / Communications and Electronics Equipment			P-1 Line Item Nomenclature: WW TECH CON IMP PROG (WWTCIP) (BU3610)			Weapon System Type:		Date: May 2009	
<b>OPA2 Cost Elements</b>		ID	<b>FY 08</b>			<b>FY 09</b>			<b>FY 10</b>		
		CD	Total Cost	Qty	Unit Cost	Total Cost	Qty	Unit Cost	Total Cost	Qty	Unit Cost
			\$000	Each	\$000	\$000	Each	\$000	\$000	Each	\$000
CONUS/OCONUS TCF Upgrades			1980	4	495	1840	4	460	3582		
Program Management Administration			300			350			675		
Engineer, Install & Test			580			630			2999		
C4I Commercialization OEF			45177			25831					
Overseas Contingency Operations						298400					
Fort Detrick TCF Relocation									10500		
Camp Humphrey TCF Relocation									8500		
Raven Rock Mountain TCF Relocation									5000		
<b>Total:</b>			<b>48037</b>			<b>327051</b>			<b>31256</b>		



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

Date:  
May 2009

Appropriation/Budget Activity/Serial No: Other Procurement, Army/ 2/ Communications and Electronics Equipment	Weapon System Type:	P-1 Line Item Nomenclature: WW TECH CON IMP PROG (WWTCIP) (BU3610)								
WBS Cost Elements:	Contractor and Location	Contract Method and Type	Location of PCO	Award Date	Date of First Delivery	QTY Each	Unit Cost \$000	Specs Avail Now?	Date Revsn Avail	RFP Issue Date
<b>CONUS/OCONUS TCF Upgrades</b>										
FY 2008	TAMSCO Calverton, MD	C/FP	Fort Monmouth, NJ	Mar 08	Apr 08	4	495	Yes		
FY 2009	TAMSCO Calverton, MD	C/FP	Fort Monmouth, NJ	Feb 09	Apr 09	4	460	Yes		
FY 2010	TBD TBD	C/FP	TBD	Var	Var					
<b>C4I Commercialization OEF</b>										
FY 2008	Various Various	Var	Var	Var	Var			Yes		
FY 2009	Various Various	Var	Var	Var	Var			Yes		
<b>Overseas Contingency Operations</b>										
FY 2009	Various Various	Var	Var							
<b>Fort Detrick TCF Relocation</b>										
FY 2010	TBD TBD	C/FP	TBD	Var	Var					
<b>Camp Humphrey TCF Relocation</b>										
FY 2010	TBD TBD	C/FP	TBD	Var	Var					
<b>Raven Rock Mountain TCF Relocation</b>										
FY 2010	TBD TBD	C/FP	TBD	Var	Var					

REMARKS:

<b>Exhibit P-40, Budget Item Justification Sheet</b>						Date: May 2009
Appropriation / Budget Activity / Serial No: Other Procurement, Army / 2 / Communications and Electronics Equipment				P-1 Item Nomenclature INFORMATION SYSTEMS (BB8650)		
Program Elements for Code B Items:		Code:	Other Related Program Elements:			
	Prior Years	FY 2008	FY 2009	FY 2010	To Complete	Total Prog
Proc Qty						
Gross Cost	1381.8	156.1	373.3	546.4	Continuing	Continuing
Less PY Adv Proc						
Plus CY Adv Proc						
Net Proc P1	1381.8	156.1	373.3	546.4	Continuing	Continuing
Initial Spares						
Total Proc Cost	1381.8	156.1	373.3	546.4	Continuing	Continuing
Flyaway U/C						
Weapon System Proc U/C					Continuing	Continuing
<b>Description:</b> This program provides for improvement/modernization of Army base level voice, data and video networks worldwide. It encompasses nontactical telecommunications services in support of Army base operations, Army Knowledge Management (AKM) Goal 3, Army Campaign Plan and Information Systems for Command and Control (C2) requirements and also acquires common user information systems in support of Military Construction, Army (MCA) projects. In addition, the NetOps operational construct provides the standardized operational processes and procedures that will enable the Army to integrate, synchronize, and deliver voice, data, imagery, applications, and network capabilities down to the individuals in both the operating force and generating force across all echelons and through all phases of Joint operations.						
<b>Justification:</b> FY 2010 procures the acquisition of information systems equipment and switch expansion equipment (not otherwise included in the MCA appropriation) to be installed in conjunction with Military Construction Army (MCA) projects worldwide. FY 2010 also procures the means to engineer, furnish, install, and field NetOps tools, applications, and capabilities required to integrate, synchronize, manage, and monitor Network Service Center (NSC) capabilities required to deliver voice, data, imagery, applications and networks.  FY10 Base dollars of \$216.057 million will procure state-of-the-art information systems equipment such as voice/data switches, common user Local Area Network transport equipment, telephone instruments, training range connectivity that consists of the fiber optics cable and electronic end equipment for both voice and data service, and secure data switches along with associated encryption devices to accommodate all secure operational voice and data communications. Also provides for the engineering, acquisition, and licensing of commercially available software to provide security, security management, directory services, IT service management, and platform management, as well as the engineering, acquisition, and installation of network infrastructure to support these requirements.  FY10 OCO dollars of \$330.343M will procure NETOPS capabilities associated with the implementation of GNEC which will improve support to units deploying and returning from theater. GNEC is the Army Strategy to Transform LandWarNet (the Army portion of the GIG) to an Enterprise Level Activity that will operationalize LandWarNet, support "little to no notice" operations, support unit ability to fight upon arrival, support units in an austere operational environment, and dramatically improve network defense posture. This also covers the communications infrastructure support for theater operations in Afghanistan, Kuwait, and Iraq.						

<b>Exhibit P-5, Weapon OPA2 Cost Analysis</b>	Appropriation/Budget Activity/Serial No: Other Procurement, Army / 2 / Communications and Electronics Equipment	P-1 Line Item Nomenclature: INFORMATION SYSTEMS (BB8650)	Weapon System Type:	Date: May 2009
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OPA2 Cost Elements	ID	FY 08			FY 09			FY 10		
	CD	Total Cost	Qty	Unit Cost	Total Cost	Qty	Unit Cost	Total Cost	Qty	Unit Cost
		\$000	Each	\$000	\$000	Each	\$000	\$000	Each	\$000
Information Systems (MCA Support)		152534			352944			546400		
Information Systems (EUCOM)		1727			1819					
Information Systems (PACOM)		1819			18548					
<b>Total:</b>		<b>156080</b>			<b>373311</b>			<b>546400</b>		

<b>Exhibit P-40, Budget Item Justification Sheet</b>						Date: May 2009
Appropriation / Budget Activity / Serial No: Other Procurement, Army / 2 / Communications and Electronics Equipment				P-1 Item Nomenclature INFORMATION SYSTEMS (MCA SUPPORT) (BB1400)		
Program Elements for Code B Items:		Code:	Other Related Program Elements:			
	Prior Years	FY 2008	FY 2009	FY 2010	To Complete	Total Prog
Proc Qty						
Gross Cost	242.4	152.5	352.9	546.4	Continuing	Continuing
Less PY Adv Proc						
Plus CY Adv Proc						
Net Proc P1	242.4	152.5	352.9	546.4	Continuing	Continuing
Initial Spares						
Total Proc Cost	242.4	152.5	352.9	546.4	Continuing	Continuing
Flyaway U/C						
Weapon System Proc U/C					Continuing	Continuing
<b>Description:</b> This program provides state-of-the-art major information system equipment such as integrated voice/data switches, Tier II computers (i.e., common user, multiple-purpose assets supporting Army installations and/or organizations), voice/data switch expansions, common user Local Area Network (LAN) transport equipment, basic telephone instruments, training range backbone connectivity, and secure data and encryption devices to support increased Secure Internet Protocol Network (SIPRNET) requirements. This equipment is installed in conjunction with Military Construction, Army (MCA).						
<b>Justification:</b> FY 2010 procures information systems for specific construction projects based upon mission priority, timing of construction schedules, beneficial occupancy dates (BOD), and minimum lead times required for acquisition and installation of associated information system equipment and also procures telephone switches for both CONUS and OCONUS sites. These funds are essential to insure that information systems are installed in sync with Corps of Engineers construction schedules.  FY08/09/10 is for Active component.						

<b>Exhibit P-5, Weapon OPA2 Cost Analysis</b>	Appropriation/Budget Activity/Serial No: Other Procurement, Army / 2 / Communications and Electronics Equipment	P-1 Line Item Nomenclature: INFORMATION SYSTEMS (MCA SUPPORT) (BB1400)	Weapon System Type:	Date: May 2009
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OPA2 Cost Elements	ID	FY 08			FY 09			FY 10		
	CD	Total Cost	Qty	Unit Cost	Total Cost	Qty	Unit Cost	Total Cost	Qty	Unit Cost
		\$000	Each	\$000	\$000	Each	\$000	\$000	Each	\$000
Telephone Switch		71000	9	7888	155503	23	6761	124000	20	6200
Switch Upgrades		27000	165	164	43076	356	121	72600	600	121
Telephone System		9398	180	52	28567	371	77	37500	500	75
LAN Transport System		39901	165	242	87300	300	291	135500	500	271
Range Connectivity					19500	26	750	112500	150	750
Secure Data and Encryption Devices					13000	26	500	50000	100	500
Engineering Svcs		5235	1	5235	5998	1	5998	14300	2	6028
<b>Total:</b>		<b>152534</b>			<b>352944</b>			<b>546400</b>		

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

Date:  
May 2009

Appropriation/Budget Activity/Serial No: Other Procurement, Army/ 2/ Communications and Electronics Equipment	Weapon System Type:	P-1 Line Item Nomenclature: INFORMATION SYSTEMS (MCA SUPPORT) (BB1400)								
WBS Cost Elements:	Contractor and Location	Contract Method and Type	Location of PCO	Award Date	Date of First Delivery	QTY Each	Unit Cost \$	Specs Avail Now?	Date Revsn Avail	RFP Issue Date
<b>Telephone Switch</b>										
FY 2008	IMOD/LTLCS/R2 Ft. Monmouth, NJ	C/FP	CECOM, FT MONMOUTH, NJ	Jan 08	Jul 08	9	7888	YES		
FY 2009	TBS Various	C/FP	CECOM, FT MONMOUTH, NJ	Jan 09	Jul 09	23	6761	YES		
FY 2010	TBS Various	C/FP	CECOM, FT MONMOUTH, NJ	Jan 10	Jul 10	20	6200	NO		
<b>Switch Upgrades</b>										
FY 2008	IMOD/LTLCS/R2 Ft. Monmouth, NJ	C/FP	CECOM, FT MONMOUTH, NJ	Feb 08	May 08	165	164	YES		
FY 2009	TBS Various	C/FP	CECOM, FT MONMOUTH, NJ	Feb 09	May 09	356	121	YES		
FY 2010	TBS Various	C/FP	CECOM, FT MONMOUTH, NJ	Feb 10	May 10	600	121	NO		
<b>Telephone System</b>										
FY 2008	Various Installation	C/FP	GSA	Feb 08	May 08	180	52	YES		
FY 2009	TBS Various	C/FP	GSA	Feb 09	May 09	371	77	YES		
FY 2010	TBS Various	C/FP	GSA	Feb 10	May 10	500	75	NO		
<b>LAN Transport System</b>										
FY 2008	IMOD/LTLCS/R2 Ft. Monmouth, NJ	C/FP	CECOM, FT MONMOUTH, NJ	Feb 08	May 08	165	242	YES		
FY 2009	TBS Various	C/FP	CECOM, FT MONMOUTH, NJ	Feb 09	May 09	300	291	YES		
FY 2010	TBS Various	C/FP	CECOM, FT MONMOUTH, NJ	Feb 10	May 10	500	271	NO		
<b>Range Connectivity</b>										
FY 2009	TBS Various	C/FP	CECOM, FT MONMOUTH, NJ	Feb 09	Sep 09	26	750	YES		
FY 2010	TBS Various	C/FP	CECOM, FT MONMOUTH, NJ	Feb 10	May 10	150	750	NO		
<b>Secure Data and Encryption Devices</b>										

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

Date:  
May 2009

Appropriation/Budget Activity/Serial No: Other Procurement, Army/ 2/ Communications and Electronics Equipment		Weapon System Type:	P-1 Line Item Nomenclature: INFORMATION SYSTEMS (MCA SUPPORT) (BB1400)							
WBS Cost Elements:	Contractor and Location	Contract Method and Type	Location of PCO	Award Date	Date of First Delivery	QTY Each	Unit Cost \$	Specs Avail Now?	Date Revsn Avail	RFP Issue Date
FY 2009	TBS Various	C/FP	USAISEC, FT HUACHUCA, AZ	Feb 09	Sep 09	26	500	YES		
FY 2010	TBS Various	C/FP	USAISEC, FT HUACHUCA, AZ	Feb 10	May 10	100	500	NO		
<b>Engineering Svcs</b>										
FY 2008	TEIS Ft. Detrick, MD	C/FP	ISEC-FDED	Mar 08	Apr 08	1	5235	YES		
FY 2009	TBS Various	C/FP	ISEC-FDED	Mar 09	Apr 09	1	5998	YES		
FY 2010	TBS Various	C/FP	ISEC-FDED	Mar 10	Apr 10	2	6028	NO		

REMARKS: CECOM - Communications-Electronics Life Cycle Management Command  
 GSA - General Services Administration  
 ISEC-FDED - Information Systems Engineering Command-Fort Detrick Engineering Directorate  
 USAISEC - United States Army Information Systems Engineering Command

<b>Exhibit P-40, Budget Item Justification Sheet</b>						Date: May 2009
Appropriation / Budget Activity / Serial No: Other Procurement, Army / 2 / Communications and Electronics Equipment				P-1 Item Nomenclature INFORMATION SYSTEMS (EUCOM) (BB8800)		
Program Elements for Code B Items:		Code:	Other Related Program Elements:			
	Prior Years	FY 2008	FY 2009	FY 2010	To Complete	Total Prog
Proc Qty						
Gross Cost	768.0	1.7	1.8			771.5
Less PY Adv Proc						
Plus CY Adv Proc						
Net Proc P1	768.0	1.7	1.8			771.5
Initial Spares						
Total Proc Cost	768.0	1.7	1.8			771.5
Flyaway U/C						
Weapon System Proc U/C						
<p><b>Description:</b> Provides for the engineering, acquisition and licensing of commercially available software to provide security, security management, directory services, IT service management, and platform management. It also provides engineering, acquisition and installation of network infrastructure.</p> <p><b>Justification:</b> No FY10 funding</p> <p>FY08/09 is for Active component.</p>						



<b>Exhibit P-40, Budget Item Justification Sheet</b>						Date: May 2009
Appropriation / Budget Activity / Serial No: Other Procurement, Army / 2 / Communications and Electronics Equipment				P-1 Item Nomenclature INFORMATION SYSTEMS (PACOM) (BB8900)		
Program Elements for Code B Items:		Code:	Other Related Program Elements:			
	Prior Years	FY 2008	FY 2009	FY 2010	To Complete	Total Prog
Proc Qty						
Gross Cost	371.4	1.8	18.5			391.8
Less PY Adv Proc						
Plus CY Adv Proc						
Net Proc P1	371.4	1.8	18.5			391.8
Initial Spares						
Total Proc Cost	371.4	1.8	18.5			391.8
Flyaway U/C						
Weapon System Proc U/C						
<p><b>Description:</b> Provides for the engineering, acquisition and licensing of commercially available software to provide security, security management, directory services, IT service management, and platform management. It also provides engineering, acquisition and installation of network infrastructure.</p> <p><b>Justification:</b> No FY10 funding  FY08/09 is for Active component.</p>						

<b>Exhibit P-40, Budget Item Justification Sheet</b>						Date: May 2009
Appropriation / Budget Activity / Serial No: Other Procurement, Army / 2 / Communications and Electronics Equipment				P-1 Item Nomenclature DEFENSE MESSAGE SYSTEM (DMS) (BU3770)		
Program Elements for Code B Items:		Code:	Other Related Program Elements:			
	Prior Years	FY 2008	FY 2009	FY 2010	To Complete	Total Prog
Proc Qty						
Gross Cost	354.1	6.6	6.7	6.2	Continuing	Continuing
Less PY Adv Proc						
Plus CY Adv Proc						
Net Proc P1	354.1	6.6	6.7	6.2	Continuing	Continuing
Initial Spares						
Total Proc Cost	354.1	6.6	6.7	6.2	Continuing	Continuing
Flyaway U/C						
Weapon System Proc U/C					Continuing	Continuing
<b>Description:</b>						
<p>Defense Message System (DMS) is the Department of Defense's (DOD's) official system of record for organizational messaging, Command and Control as established under Acquisition Support Division (ASD) Command, Control, Communications, and Intelligence (C3I) memorandum dated 12 April 2001. DMS replaced obsolete telecommunication centers and Automatic Digital Network (AUTODIN) Switching Centers which were closed on 30 September 2003. Product Manager Defense Message System-Army (PM DMS-A) provides a single, secure, global inter-service messaging capability extending from the sustaining base to the Warfighter. DMS is designed to meet the NETCENTRIC requirements of non-repudiation (digital signature), organization-to-organization data security (digital encryption), assured and timely delivery, message traceability and storage. DMS is also a web-based enterprise level messaging system using the Automated Message Handling System (AMHS) software. DMS tactical implementation provides the Warfighter with messaging support for the joint task force environment and across the continuum of Army operations. DMS features are: (1) user operated service (2) a single form of messaging service and simplified message format (3) multilevel secure processing through the use of Multilevel Information Systems Security Initiative (MISSI) (4) automated local distribution (5) multifunction workstations for most users. DMS tactical implementation provides the warfighter with messaging support for the joint task force environment and across the continuum of Army operations.</p> <p>These are all Joint Army Knowledge Management (AKM) Goal 3 initiatives.</p>						
<b>Justification:</b>						
<p>FY 2010 base procurement dollars in the amount of \$6.203 million will procure final engineering support, delta training, and installation upgrades to the remaining Tactical DMS suites, completing the Modernization Work Order (MWO) initiative towards the 1 Transit case solution. This finalizes the classic Microsoft(M/S) DMS conversion to a Web Centric Common Access Card (CAC) enabled environment IAW the Army Knowledge Management (AKM) Goal 3 initiative. It will also procure H/W-S/W solutions needed to accommodate the DMS/Tactical Message System (TMS) expansion to the Brigade Combat Team (BCT) level and/or transition of DMS/TMS into an Army or Joint Processing Centers.</p>						

<b>OPA2 Cost Elements</b>		ID CD	<b>FY 08</b>			<b>FY 09</b>			<b>FY 10</b>		
			Total Cost	Qty	Unit Cost	Total Cost	Qty	Unit Cost	Total Cost	Qty	Unit Cost
			\$000	Each	\$000	\$000	Each	\$000	\$000	Each	\$000
Engineering Installation MWO (ESED) Matrix and Contractor Support		A	1450			1250			1325		
Program Management			1793			1853			1965		
Contractor Support (PMO, FSR Delta Training)		A	1959			1601			1697		
Tactical Message System (TMS), AMHS, MWO Equipment Upgrade/SME		A	1030			1682			916		
Logistics Assistance Representatives (LARs)		A	200			200			300		
Signal School At Fort Gordon		A	120			120					
<b>Total:</b>			<b>6552</b>			<b>6706</b>			<b>6203</b>		

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

Date:  
May 2009

Appropriation/Budget Activity/Serial No: Other Procurement, Army/ 2/ Communications and Electronics Equipment	Weapon System Type:	P-1 Line Item Nomenclature: DEFENSE MESSAGE SYSTEM (DMS) (BU3770)								
WBS Cost Elements:	Contractor and Location	Contract Method and Type	Location of PCO	Award Date	Date of First Delivery	QTY Each	Unit Cost \$000	Specs Avail Now?	Date Revsn Avail	RFP Issue Date
<b>Engineering Installation MWO</b>										
FY 2008	TITAN-L3 ESED Ft Huachuca, AZ	T/M	ESED Ft Huachuca, AZ	Oct 07	Oct 07					
FY 2009	TITAN-L3 ESED Ft Huachuca, AZ	T/M	ESED Ft Huachuca, AZ	Oct 08	Oct 08					
FY 2010	TITAN-L3 ESED Ft Huachuca, AZ	T/M	ESED Ft Huachuca, AZ	Oct 09	Oct 09					
<b>Contractor Support (PMO, FSR)</b>										
FY 2008	Lockheed-Martin Belmar, NJ	T/M	CECOM LCMC Ft Monmouth, NJ	Mar 08	Mar 08					
FY 2009	Lockheed-Martin Belmar, NJ	T/M	CECOM LCMC Ft Monmouth, NJ	Mar 09	Mar 09					
FY 2010	Lockheed-Martin Belmar, NJ	T/M	CECOM LCMC Ft Monmouth, NJ	Mar 10	Mar 10					
<b>MWO Equipment Upgrade/SME</b>										
FY 2008	Crystal Inc. Hiawatha, IA	C/FP	ITEC4 Alexandria, VA	Jul 08	Sep 08					
FY 2009	Crystal Inc. Hiawatha, IA	C/FP	ITEC4 Alexandria, VA	Dec 08	Feb 09					
FY 2010	Crystal Inc. Hiawatha, IA	C/FP	ITEC4 Alexandria, VA	Dec 09	Feb 10					
<b>Logistics Assistance</b>										
FY 2008	CECOM LCMC/LRC Fort Monmouth, NJ	T/M	CECOM LCMC Ft Monmouth, NJ	Oct 07	Oct 07					
FY 2009	CECOM LCMC/LRC Fort Monmouth, NJ	T/M	CECOM LCMC Ft Monmouth, NJ	Oct 08	Oct 08					
FY 2010	CECOM LCMC/LRC Fort Monmouth, NJ	T/M	CECOM LCMC Ft Monmouth, NJ	Oct 09	Oct 09					
<b>Signal School At Fort Gordon</b>										
FY 2008	3SI Corp Vienna, VA	FFP	SPAWAR North Charleston, SC	Mar 08	Jun 08					
FY 2009	3SI Corp Vienna, VA	FFP	SPAWAR North Charleston, SC	Oct 08	Jan 09					

REMARKS: Configurations vary by user requirements and site locations.

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

Date:  
May 2009

Appropriation/Budget Activity/Serial No: Other Procurement, Army/ 2/ Communications and Electronics Equipment	Weapon System Type:	P-1 Line Item Nomenclature: DEFENSE MESSAGE SYSTEM (DMS) (BU3770)								
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WBS Cost Elements:	Contractor and Location	Contract Method and Type	Location of PCO	Award Date	Date of First Delivery	QTY Each	Unit Cost \$000	Specs Avail Now?	Date Revsn Avail	RFP Issue Date
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- \*Communications Electronics Command Life Cycle Management Command - (CECOM LCMC)
- \*Information Technology E-Commerce, and Commercial Contracting Center - (ITEC4)
- \*Automated Message Handling System - (AMHS)
- \*Field Service Representative - (FSR)
- \*Logistics Assistance Representative - (LAR)
- \*Enterprise Software Engineering Directorate - (ESED)
- \*Logistics Readiness Center - (LRC)
- \*Modernization Work Order - (MWO)
- \*Space and Navel Warfare - (SPAWAR)
- \*Subject Matter Expert - (SME)

<b>Exhibit P-40, Budget Item Justification Sheet</b>						Date: May 2009
Appropriation / Budget Activity / Serial No: Other Procurement, Army / 2 / Communications and Electronics Equipment				P-1 Item Nomenclature Installation Info Infrastructure Mod Program(I3MP) (BU0500)		
Program Elements for Code B Items:		Code:	Other Related Program Elements:			
	Prior Years	FY 2008	FY 2009	FY 2010	To Complete	Total Prog
Proc Qty						
Gross Cost	517.7	234.0	232.6	374.8	Continuing	Continuing
Less PY Adv Proc						
Plus CY Adv Proc						
Net Proc P1	517.7	234.0	232.6	374.8	Continuing	Continuing
Initial Spares						
Total Proc Cost	517.7	234.0	232.6	374.8	Continuing	Continuing
Flyaway U/C						
Weapon System Proc U/C					Continuing	Continuing
<b>Description:</b>						
<p>The Installation Information Infrastructure Modernization Program (I3MP) encompasses the modernization and upgrade of the Telecommunications/Information Infrastructure on Army installations in the Continental United States (CONUS), Europe and Pacific theaters, as well as Army Enterprise Systems. I3MP provides the capabilities to support the Defense Information Systems Network (DISN), Global Information Grid (GIG), Global Network Enterprise Construct (GNEC), Overseas Contingency Operations (OCO), Future Home Station Operation Centers (HSOC), command and control for Army Expeditionary, Joint and Combined Forces, Army Transformation, Army Knowledge Management (AKM) Goal 3, and the Army Campaign Plan. At the installation level, I3MP delivers an integrated Commercial Off The Shelf (COTS), information system that is state-of-the-art, secure, interoperable and with a high bandwidth capability to each end user building. The installation of Campus Area Networks (CAN)/Metropolitan Area Networks (MAN) provides the infrastructure to manage the Army's ever-increasing data transfer requirements supporting key wartime doctrine and information technology transportation initiatives. These high-speed backbone networks modernize site data transport capability, improve connectivity, standardize transport networks and increase capacity in support of critical Army missions. The modernization efforts will provide for the convergence of voice, video and data (on one platform) and EoIP (Everything over Internet Protocol). The newly installed switching equipment will support web-enabled applications, image processing for intelligence missions, distance learning, video conferencing, telemedicine and telemaintenance, health, morale and welfare calls, wireless telecommunications, remote access, automated directory assistance and network management. It will also provide for the implementation of network operation tools critical to security and management of the Army enterprise. At the enterprise level, I3MP provides the Army with capabilities and adaptive processes that support network-centric, secure access to systems and services throughout the Army environment. These infrastructure capabilities are critical in enabling reach back and power projection of the digitized Army as well as employment of the advanced technology required for today's agile combat force.</p>						
<b>Justification:</b>						
<p>FY 2010 base funding of \$147.111 million procures I3MP program implementation and engineering support to furnish and install Campus Area Networks (CAN), Metropolitan Area Networks (MAN), and upgrades/modernization to the Army's voice communications infrastructure in the CONUS, Pacific and European Theaters.</p> <p>FY 2010 Overseas Contingency Operations (OCO) funding of \$227.731 million resources the procurement and installation of Command, Control, Communications, Computers, Intelligence (C4I) infrastructure directly supporting the Afghanistan Planning Order (RFF 920) as well as in support the deployed forces in Kuwait and Iraq. Funds will be used for Technical Control Facilities (TCFs), outside plant, inside plant, communications equipment (e.g. UHF/VHF/HF radios, VSAT terminals, Prominas, etc.), CENTRIXS network equipment, and voice switches, as well as SIPRNet capabilities to deploying Combat Support/Combat Service Support (CS/CSS) Brigades.</p>						

<b>Exhibit P-5, Weapon OPA2 Cost Analysis</b>		Appropriation/Budget Activity/Serial No: Other Procurement, Army / 2 / Communications and Electronics Equipment			P-1 Line Item Nomenclature: Installation Info Infrastructure Mod Program(I3MP) (BU0500)			Weapon System Type:		Date: May 2009	
<b>OPA2 Cost Elements</b>		ID	<b>FY 08</b>			<b>FY 09</b>			<b>FY 10</b>		
		CD	Total Cost	Qty	Unit Cost	Total Cost	Qty	Unit Cost	Total Cost	Qty	Unit Cost
			\$000	Units	\$000	\$000	Units	\$000	\$000	Units	\$000
I3MP - Europe			47929			46981			21118		
I3MP - Pacific			36361			34366			27702		
I3MP - CONUS			149730			151301			98291		
Overseas Contingency Operations (OCO)									227731		
<b>Total:</b>			<b>234020</b>			<b>232648</b>			<b>374842</b>		

<b>Exhibit P-40, Budget Item Justification Sheet</b>						Date: May 2009
Appropriation / Budget Activity / Serial No: Other Procurement, Army / 2 / Communications and Electronics Equipment				P-1 Item Nomenclature I3MP - Europe (BU0510)		
Program Elements for Code B Items:		Code:	Other Related Program Elements:			
	Prior Years	FY 2008	FY 2009	FY 2010	To Complete	Total Prog
Proc Qty						
Gross Cost	158.8	47.9	47.0	21.1	Continuing	Continuing
Less PY Adv Proc						
Plus CY Adv Proc					Continuing	Continuing
Net Proc P1	158.8	47.9	47.0	21.1	Continuing	Continuing
Initial Spares						
Total Proc Cost	158.8	47.9	47.0	21.1	Continuing	Continuing
Flyaway U/C						
Weapon System Proc U/C					Continuing	Continuing
<b>Description:</b>						
<p>The Installation Information Infrastructure Modernization Program-Europe (I3MP-Europe) is the European theater portion of the I3MP and is the primary initiative to digitize and provide increased voice and data connectivity to European Enduring Installations, support activities and deployed combat forces throughout the European Area of Operations. This critical program provides high-capacity and near real-time throughput for data, cable and voice solutions to European sustaining base installations; I3MP-Europe also installs Enterprise-level networks and infrastructure to support Army Transformation. As US Forces in Europe transform to optimally support Overseas Contingency Operations (OCO), this integrated, wide-ranging effort serves as the European Command's (EUCOM) critical link to the DoD-wide Defense Information Systems Network (DISN), Global Information Grid (GIG). This effort literally "takes bandwidth out of the equation" and facilitates European logistic, medical, and Warfighting support to Joint Expeditionary Forces deployed in direct support of OCO - especially Central Command (CENTCOM) and the newly-forming AFRICOM (Africa Command) Forces. It provides for the acquisition of transport switching equipment, the Defense Wave Division Multiplexed-Optical Transport Network (DWDM-OTN), and Fiber Optic Tie-Cables to provide enhanced communications capabilities across U.S. Army Europe's (USAREUR) fiber optic backbone network. Additionally, it includes Defense in Depth network security initiatives for the EUCOM network through the implementation of cutting-edge Top Level Architecture (TLA) security and Firewall equipment. I3MP's core objective is to create an infrastructure sufficiently robust and flexible to meet ever-increasing telecommunication requirements of the USAREUR footprint and Area Processing Center (APC) Architectures. This program also fields integrated, supportable Information Technology (IT) solutions for transformation of business processes, which enable the CIO/G-6, U.S. Army Europe to manage the European Infostructure as an Enterprise. It also facilitates future cost savings through technology convergence of voice and data platforms in accordance with Joint Staff Assured Services Local Area Network requirements and funds for OSD mandated Internet Protocol version 6 (IPv6) capable equipment. This program supports the Defense Information Systems Network (DISN), Global Information Grid (GIG), Future Home Station Operation Centers (HSOC), the Army Campaign Plan, Modularity, Army Knowledge Management (AKM) Goal 3, Distance Learning, the DoD Standard Procurement System (SPS), the Global Combat Support System Army (GCSS-A), the Installation Support Modules (ISM), the Defense Message System (DMS), web enabled applications, image processing for intelligence missions, command and control for Army Expeditionary, Joint and Combined Forces, telemedicine and telemaintenance.</p>						
<b>Justification:</b>						
<p>FY 2010 base funding of \$21.118 million procures implementation and engineering support to install backbone Metropolitan Area Networks (MAN) and Campus Area Networks (CAN), and voice communications systems upgrades and modernization at 9 sites in the EUCOM/USAREUR Theater of operations; this includes high-speed, large-bandwidth optical networks, tie cables, and associated hardware.</p>						



<b>Exhibit P-40, Budget Item Justification Sheet</b>		Date: May 2009
Appropriation / Budget Activity / Serial No: Other Procurement, Army / 2 / Communications and Electronics Equipment		P-1 Item Nomenclature I3MP - Europe (BU0510)
Program Elements for Code B Items:	Code:	Other Related Program Elements:
All FY 2008,2009, 2010 funds are active component.		

<b>Exhibit P-5, Weapon OPA2 Cost Analysis</b>	Appropriation/Budget Activity/Serial No: Other Procurement, Army / 2 / Communications and Electronics Equipment	P-1 Line Item Nomenclature: I3MP - Europe (BU0510)	Weapon System Type:	Date: May 2009
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OPA2 Cost Elements	ID	FY 08			FY 09			FY 10		
	CD	Total Cost	Qty	Unit Cost	Total Cost	Qty	Unit Cost	Total Cost	Qty	Unit Cost
		\$000	Units	\$000	\$000	Units	\$000	\$000	Units	\$000
I3MP Implementation/Engineering		42737	10		42106	8		15373	1	15373
Project Management Support		5192			4875			5745		
<b>Total:</b>		<b>47929</b>			<b>46981</b>			<b>21118</b>		

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

Date:  
May 2009

Appropriation/Budget Activity/Serial No: Other Procurement, Army/ 2/ Communications and Electronics Equipment	Weapon System Type:	P-1 Line Item Nomenclature: I3MP - Europe (BU0510)								
WBS Cost Elements:	Contractor and Location	Contract Method and Type	Location of PCO	Award Date	Date of First Delivery	QTY Units	Unit Cost \$000	Specs Avail Now?	Date Revsn Avail	RFP Issue Date
<b>I3MP Implementation/Engineering</b>										
FY 2009	Lucent Technologies Inc McLeanville, NC	C/FP	ITEC4, Alexandria, VA	Feb 09	Mar 09	1		YES		
FY 2009	Nokia Siemens Reston, VA	C/FP	ITEC4, Alexandria, VA	Feb 09	Mar 09	1		YES		
FY 2009	Nokia Siemens Reston, VA	C/FP	ITEC4, Alexandria, VA	Feb 09	Mar 09	1		YES		
FY 2009	Nokia Siemens Reston, VA	MIPR	DITCO-EUR, Sembach AB, Germany	Dec 08	Mar 09	1		YES		
FY 2009	Siemens Reston, VA	C/FP	ITEC4, Alexandria, VA	Mar 09	May 09	1		YES		
FY 2009	Lucent Technologies Inc McLeanville, VA	MIPR	DITCO-EUR, Sembach AB, Germany	Dec 08	Apr 09	1		YES		
FY 2010	TBS TBS	TBS	ITEC4, Alexandria, VA	VAR	VAR			YES		

REMARKS: Quantities reflect the number of sites where work is performed. I3MP is a complex program that orchestrates the implementation of multiple disciplines (connectivity (voice, data, Outside Cable Plant (OSP) network), capacity, storage and information assurance) across multiple locations each with their own developmental cycle, frequently resulting in the overlapping development and implementation of customized communications solutions (to meet unique and diverse mission conditions) at each Army installation. Unit costs and accompanying number of implementations (installations) will, therefore, vary from year to year, due to the complexity of the requirement, size of the installation, state of the information technology being replaced/modernized, the type of technology required, unique configuration and level of effort required to satisfy all requirements.

ITEC4- Information Technology and Electronic Commerce Commercial Contracting Center  
DITCO-EUR - Defense Information Technology Contracting Organization - Europe

<b>Exhibit P-40, Budget Item Justification Sheet</b>						Date: May 2009
Appropriation / Budget Activity / Serial No: Other Procurement, Army / 2 / Communications and Electronics Equipment				P-1 Item Nomenclature I3MP - Pacific (BU0520)		
Program Elements for Code B Items:		Code:	Other Related Program Elements:			
	Prior Years	FY 2008	FY 2009	FY 2010	To Complete	Total Prog
Proc Qty						
Gross Cost	74.6	36.4	34.4	27.7	Continuing	Continuing
Less PY Adv Proc						
Plus CY Adv Proc						
Net Proc P1	74.6	36.4	34.4	27.7	Continuing	Continuing
Initial Spares					Continuing	Continuing
Total Proc Cost	74.6	36.4	34.4	27.7	Continuing	Continuing
Flyaway U/C						
Weapon System Proc U/C					Continuing	Continuing
<b>Description:</b>						
<p>The Installation Information Infrastructure Modernization Program-Pacific (I3MP-Pacific) is the Pacific theater portion of the I3MP and is the primary initiative to digitize and provide increased voice and data connectivity to the installation, other support activities and deployed combat forces at Enduring locations in that theater. This program provides high capacity capabilities and near real time throughput for data, cable and voice solutions to sustaining base installations throughout the Pacific Area of Operations. The installation of Metropolitan Area Networks (MAN) and Campus Area Networks (CAN) is critical to support the ever increasing data transport requirements supporting key Army wartime doctrine. High speed backbone CANs will be installed to modernize installation transport capability, standardize transport networks, and increase the sustaining base capacity for key Army systems such as Army Knowledge Management (AKM) Goal 3, Distance Learning, DoD Standard Procurement System (SPS), Global Combat Support System Army (GCSS-A), Installation Support Modules (ISM), Defense Message System (DMS), and other web enabled applications. I3MP-Pacific also provides for the acquisition of transport switching equipment to provide enhanced communications capabilities across the fiber optic backbone network. Its objective is to create an infrastructure sufficiently flexible to meet ever increasing telecommunication requirements. This program also fields integrated, supportable Information Technology (IT) solutions for transformation in business processes which enable the Army to manage its Infostructure as an Enterprise and facilitate future cost savings through technology convergence of voice and data platforms in accordance with Joint Staff Assured Services Local Area Network requirements. Additionally, it will fund for OSD mandated Internet Protocol version 6 (IPv6) capable equipment. This program supports the Defense Information Systems Network (DISN), Global Information Grid (GIG), Future Home Station Operation Centers (HSOC), the Army Campaign Plan, Army Knowledge Management (AKM) Goal 3, web enabled applications, image processing for intelligence missions, command and control for Army Expeditionary, Joint and Combined Forces, telemedicine and telemaintenance.</p>						
<b>Justification:</b>						
<p>FY2010 base funding of \$27.702 million procures implementation and engineering support to furnish and install backbone Metropolitan Area Networks (MAN) and Campus Area Networks (CAN) at 11 sites in the PACOM theater. FY 2010 funding also procures transport-switching equipment which will be synchronized with the installation of tie cables installed under the I3MP-Pacific and other programs.</p> <p>All FY 2008,2009, and 2010 funds are active component.</p>						

<b>Exhibit P-5, Weapon OPA2 Cost Analysis</b>	Appropriation/Budget Activity/Serial No: Other Procurement, Army / 2 / Communications and Electronics Equipment	P-1 Line Item Nomenclature: I3MP - Pacific (BU0520)	Weapon System Type:	Date: May 2009
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OPA2 Cost Elements	ID	FY 08			FY 09			FY 10		
	CD	Total Cost	Qty	Unit Cost	Total Cost	Qty	Unit Cost	Total Cost	Qty	Unit Cost
		\$000	Units	\$000	\$000	Units	\$000	\$000	Units	\$000
I3MP Implementation/Engineering		34485	18		32474	14		25503	10	2550
Project Management Support		1876			1892			2200		
<b>Total:</b>		<b>36361</b>			<b>34366</b>			<b>27703</b>		

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

Date:  
May 2009

Appropriation/Budget Activity/Serial No: Other Procurement, Army/ 2/ Communications and Electronics Equipment	Weapon System Type:	P-1 Line Item Nomenclature: I3MP - Pacific (BU0520)								
WBS Cost Elements:	Contractor and Location	Contract Method and Type	Location of PCO	Award Date	Date of First Delivery	QTY Units	Unit Cost \$000	Specs Avail Now?	Date Revsn Avail	RFP Issue Date
<b>I3MP Implementation/Engineering</b>										
FY 2009	Federal Network Systems LLC Arlington, VA	C/FP	ITEC4, Alexandria, VA	Nov 08	Feb 09	6		YES		
FY 2009	Lucent Technologies Inc. McLeansville, NC	C/FP	ITEC4, Alexandria, VA	Mar 09	Jun 09	1		YES		
FY 2009	Lockheed Martin Integ Sys, Inc Belmar, NJ	C/FP	CECOM Cont Ctr Ft Monmouth, NJ	Mar 09	Jun 09	1		YES		
FY 2009	NextiraOne Federal LLC Herndon, VA	C/FP	CECOM Cont Ctr Ft Monmouth, NJ	Mar 09	Jun 09	1		YES		
FY 2009	Federal Network Systems LLC Arlington, VA	TBS	ITEC4, Alexandria, VA	VAR	VAR	2		YES		
FY 2010	Federal Network Systems LLC Arlington, VA	TBS	ITEC4, Alexandria, VA	VAR	VAR	12		YES		

REMARKS: There are a number of sites where work is performed. I3MP is a complex program that orchestrates the implementation of multiple disciplines (connectivity (voice, data, Outside Cable Plant (OSP) network), capacity, storage and information assurance) across multiple locations each with their own developmental cycle, frequently resulting in the overlapping development and implementation of customized communications solutions (to meet unique and diverse mission conditions) at each Army installation. Unit costs and accompanying number of implementations (installations) will, therefore, vary from year to year, due to the complexity of the requirement, size of the installation, state of the information technology being replaced/modernized, the type of technology required, unique configuration and level of effort required to satisfy all requirements.

ITEC4- Information Technology and Electronic Commerce Commercial Contracting Center  
CECOM LCMC - Communications Electronics Command Life Cycle Management Command

<b>Exhibit P-40, Budget Item Justification Sheet</b>						Date: May 2009
Appropriation / Budget Activity / Serial No: Other Procurement, Army / 2 / Communications and Electronics Equipment				P-1 Item Nomenclature I3MP - CONUS (BU0530)		
Program Elements for Code B Items:		Code:	Other Related Program Elements:			
	Prior Years	FY 2008	FY 2009	FY 2010	To Complete	Total Prog
Proc Qty						
Gross Cost	284.3	149.7	151.3	98.3	Continuing	Continuing
Less PY Adv Proc						
Plus CY Adv Proc						
Net Proc P1	284.3	149.7	151.3	98.3	Continuing	Continuing
Initial Spares					Continuing	Continuing
Total Proc Cost	284.3	149.7	151.3	98.3	Continuing	Continuing
Flyaway U/C						
Weapon System Proc U/C					Continuing	Continuing
<b>Description:</b> The Installation Information Infrastructure Modernization Program-CONUS (I3MP-CONUS) acquires and fields the Army's installation level telecommunications information infrastructure at high priority CONUS locations. It provides high capacity voice, data and outside plant capabilities to Army installations and other support activities in CONUS. Installation Information Technology (IT) modernization is critical to support the Army Forces Generation (ARFORGEN) activities of pre-deployment, deployment, operations, and support for the Global War on Terrorism (GWOT) and other contingency operations. I3MP-CONUS is essential to achieving network interoperability, information security and network defense, Internet Protocol version 6 (IPv6) compliance and for enabling efficiencies such as Voice over Internet Protocol (VoIP) and Everything over Internet Protocol (EoIP) capabilities. Its objective is to create an infrastructure sufficiently flexible to meet the ever increasing telecommunications and stationing requirements to include Grow the Army (GTA), Base Realignment & Closure (BRAC), Joint Basing, Global Defense Posture Realignment, Modularity and Army Transformation. This program directly supports the Defense Information Systems Network (DISN), Global Information Grid (GIG), Global Network Enterprise Construct (GNEC), Future Home Station Operation Centers (HSOC), the Army Campaign Plan, Army Knowledge Management (AKM) Goal 3, web enabled applications, image processing for intelligence missions, command and control for Army Expeditionary, Joint and Combined Forces, telemedicine and telemaintenance.						
<b>Justification:</b> FY2010 base funding of \$98.291 million procures implementation and engineering support to furnish and install backbone Metropolitan Area Networks (MAN), Campus Area Networks (CAN), and voice communication systems upgrades and modernization at 10 sites in CONUS.  All FY 2008, 2009, and 2010 funds are active component.						

<b>Exhibit P-5, Weapon OPA2 Cost Analysis</b>	Appropriation/Budget Activity/Serial No: Other Procurement, Army / 2 / Communications and Electronics Equipment	P-1 Line Item Nomenclature: I3MP - CONUS (BU0530)	Weapon System Type:	Date: May 2009
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OPA2 Cost Elements	ID	FY 08			FY 09			FY 10		
	CD	Total Cost	Qty	Unit Cost	Total Cost	Qty	Unit Cost	Total Cost	Qty	Unit Cost
		\$000	Units	\$000	\$000	Units	\$000	\$000	Units	\$000
I3MP Implementation/Engineering		142070	10		143184	16		91312	10	9131
Project Management Support		7660			8117			6978		
<b>Total:</b>		<b>149730</b>			<b>151301</b>			<b>98290</b>		



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

Date:  
May 2009

Appropriation/Budget Activity/Serial No: Other Procurement, Army/ 2/ Communications and Electronics Equipment	Weapon System Type:	P-1 Line Item Nomenclature: I3MP - CONUS (BU0530)								
WBS Cost Elements:	Contractor and Location	Contract Method and Type	Location of PCO	Award Date	Date of First Delivery	QTY Units	Unit Cost \$000	Specs Avail Now?	Date Revsn Avail	RFP Issue Date
<b>I3MP Implementation/Engineering</b>										
FY 2009	Federal Network Systems LLC Arlington, VA	C/FP	ITEC4, Alexandria, VA	Nov 08	Feb 09	1		YES		
FY 2009	Alcatel-Lucent USA Inc McLeansville, NC	C/FP	ITEC4, Alexandria, VA	Dec 08	Feb 09	1		YES		
FY 2009	AT&T Government Solutions Vienna, VA	C/FP	ITEC4, Alexandria, VA	Dec 08	Mar 09	1		YES		
FY 2009	General Dynamics Network Sys Needham, MA	C/FP	ITEC4, Alexandria, VA	Dec 08	Mar 09	1		YES		
FY 2009	NextiraOne Federal LLC Herndon, VA	C/FP	ITEC4, Alexandria, VA	Dec 08	Mar 09	1		YES		
FY 2009	Alcatel-Lucent USA Inc McLeanville, NC	C/FP	ITEC4, Alexandria, VA	Dec 08	Jun 09	1		YES		
FY 2009	General Dynamics Network Sys Needham, MA	C/FP	ITEC4, Alexandria, VA	Feb 09	Feb 11	1		YES		
FY 2009	Avaya Federal Solutions Inc Herndon, VA	C/FP	CECOM Contr Center, Ft Monmout	Jan 09	Oct 09	1		YES		
FY 2009	NextiraOne Federal LLC Herndon, VA	C/FP	CECOM Contr Center, Ft Monmout	Mar 09	Jul 10	1		YES		
FY 2009	General Dynamics Info Tech Needham, MA	C/FP	ITEC4, Alexandria, VA	Mar 09	Jul 10	1		YES		
FY 2009	Avaya Federal Solutions Inc Herndon, VA	C/FP	ITEC4, Alexandria, VA	Mar 09	Sep 09	1		YES		
FY 2009	Alcatel-Lucent USA Inc McLeanville, VA	C/FP	AF HQ754, GunterAnnex, AL	Mar 09	Mar 09	1		YES		
FY 2009	Telos Corp Asburn, VA	C/FP	ITEC4, Alexandria, VA	Jan 09	Mar 09	1		YES		
FY 2009	Federal Network System LLC Arlington, VA	C/FP	ITEC4, Alexandria, VA	Dec 08	Sep 09	1		YES		
FY 2009	TBS TBS	TBS	TBS	VAR	VAR	2		YES		
FY 2010	TBS TBS	TBS	TBS			8		YES		

REMARKS: Quantities reflect the number of sites where work is performed. I3MP is a complex program that orchestrates the implementation of multiple disciplines (connectivity (voice, data, Outside Cable Plant (OSP)

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

Date:  
May 2009

Appropriation/Budget Activity/Serial No: Other Procurement, Army/ 2/ Communications and Electronics Equipment	Weapon System Type:	P-1 Line Item Nomenclature: I3MP - CONUS (BU0530)								
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WBS Cost Elements:	Contractor and Location	Contract Method and Type	Location of PCO	Award Date	Date of First Delivery	QTY Units	Unit Cost \$000	Specs Avail Now?	Date Revsn Avail	RFP Issue Date
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network), capacity, storage and information assurance) across multiple locations each with their own developmental cycle, frequently resulting in the overlapping development and implementation of customized communications solutions (to meet unique and diverse mission conditions) at each Army installation. Unit costs and accompanying number of implementations (installations) will, therefore, vary from year to year, due to the complexity of the requirement, size of the installation, state of the information technology being replaced/modernized, the type of technology required, unique configuration and level of effort required to satisfy all requirements.

ITEC4- Information Technology and Electronic Commerce Commercial Contracting Center  
CECOM LCMC - Communications Electronics Command Life Cycle Management Command

<b>Exhibit P-40, Budget Item Justification Sheet</b>						Date: May 2009
Appropriation / Budget Activity / Serial No: Other Procurement, Army / 2 / Communications and Electronics Equipment				P-1 Item Nomenclature PENTAGON INFORMATION MGT AND TELECOM (BQ0100)		
Program Elements for Code B Items:		Code:	Other Related Program Elements:			
	Prior Years	FY 2008	FY 2009	FY 2010	To Complete	Total Prog
Proc Qty						
Gross Cost	530.6	33.9	33.2	39.9	Continuing	Continuing
Less PY Adv Proc					Continuing	Continuing
Plus CY Adv Proc						
Net Proc P1	530.6	33.9	33.2	39.9	Continuing	Continuing
Initial Spares						
Total Proc Cost	530.6	33.9	33.2	39.9	Continuing	Continuing
Flyaway U/C						
Weapon System Proc U/C					Continuing	Continuing
<b>Description:</b>						
<p>The Pentagon Renovation Project is an on-going construction project directed by the Office of the Secretary of Defense and implemented jointly by the Washington Headquarters Services Pentagon Renovation and Construction Program Office and the U.S. Army Program Executive Office Enterprise Information Systems Information Technology Systems (ITS) Project Office (formerly Information Management and Telecommunications-Pentagon Renovation). ITS is the executive agent responsible for designing, procuring, installing, and delivering state-of-the-art information technology systems and implementing a new modernized Pentagon telecommunications infrastructure in concert with the Pentagon Renovation project. Implementation consists of relocating the National Military Command Center Services Operations Center, merging seven Technical Control Facilities, consolidating eleven Automated Data Processing (ADP) facilities to two facilities, and replacing fifteen Command and Control tactical and administrative telephone switches with Voice over Internet Protocol (VoIP), which utilizes a single network to carry voice and data transmissions. The IT infrastructure includes installation of an unclassified/classified backbone and a Network and System Management Center. Implementation of IT requirements is integral to each phase of the Pentagon Renovation construction program due to the synchronization of both projects. ITS provides modernized integrated information and telecommunication capabilities to all levels of command in the Pentagon directly supporting our Global infrastructure and Worldwide presence.</p> <p>This initiative is validated and approved by the Office of the Assistant Chief of Staff Installation Management, Installations Program Executive Group (II PEG) and is monitored and managed by numerous Pentagon Governance bodies, such as the Pentagon Governance Council (PGC), Pentagon Area Chief Information Office Council (PACC), Operational Requirements and Performance Board (ORPB), Architecture and Configuration Control Board (ACCB), Resource Strategy Board (RSB), Consolidated Computer Facilities Working Group (CCFWG), Integrated Protection Working Group (IPWG), Wireless Technology Working Group (WTWG), Metrics Working Group, and the Pentagon Security Advisory Group (PSAG). These Boards consist of representatives from fourteen different Services and Agencies within the Pentagon. On 13 June 2006, the Deputy Secretary of Defense approved a 10-month target date extension to the program from December 2010 to October 2011.</p> <p>Infrastructure modernization of Wedge 1 was completed in June 2002. Wedge 2 was completed in November 2005. Wedge 3 was completed in March 2008. Infrastructure modernization of Wedge 4 began May 2006 and is scheduled to end November 2009. Infrastructure modernization of Wedge 5 began October 2008 and is slated to end October 2011.</p>						
<b>Justification:</b>						
FY10 Base procurement dollars in the amount of \$39.906 will procure active and passive telecommunication backbone infrastructure equipment and services for the continued renovation of						

<b>Exhibit P-40, Budget Item Justification Sheet</b>		Date: May 2009
Appropriation / Budget Activity / Serial No: Other Procurement, Army / 2 / Communications and Electronics Equipment		P-1 Item Nomenclature PENTAGON INFORMATION MGT AND TELECOM (BQ0100)
Program Elements for Code B Items:	Code:	Other Related Program Elements:
<p>Pentagon Wedge 5, including routers, media, cable, structured wiring, common physical infrastructure and centrally managed backbone, extension of ITS infrastructure to swing space tenants, automated data processing, server farms, radio rooms, consolidation of voice switches and technical control facilities, network and system management, universal space concept support, etc. In addition, funds will also procure equipment and services required to integrate Wedge 5 into the Network and Systems Management Center, which manages the unclassified and classified backbones for the Pentagon.</p> <p>ITS supports all Pentagon IT and telecommunications, to include an all classification network infrastructure, defense continuity integrated networks, command centers, command and control systems, life safety backbone, Pentagon Force Protection Systems, Pentagon visitor control system, chemical biological radiological and nuclear (CBRN) system, heliport system, perimeter guard booths, security (swipe cards, alarm systems, and turnstile installations), military area network (MAN)/wide area network (WAN), all classification cable TV distribution systems, server facilities and ADP rooms, audio visual, circuits, radios, wireless intrusion detection system, land mobile radio system, and voice systems (VoSIP, VoIP, ISDN, gray phone, and red phone).</p>		

<b>Exhibit P-5, Weapon OPA2 Cost Analysis</b>		Appropriation/Budget Activity/Serial No: Other Procurement, Army / 2 / Communications and Electronics Equipment			P-1 Line Item Nomenclature: PENTAGON INFORMATION MGT AND TELECOM (BQ0100)			Weapon System Type:		Date: May 2009	
<b>OPA2 Cost Elements</b>		ID	<b>FY 08</b>			<b>FY 09</b>			<b>FY 10</b>		
		CD	Total Cost	Qty	Unit Cost	Total Cost	Qty	Unit Cost	Total Cost	Qty	Unit Cost
			\$000	Units	\$000	\$000	Units	\$000	\$000	Units	\$000
<b>PENTAGON RENOVATION IM&amp;T</b>											
Unclass/Class Backbone			33928			33219			39906		
<b>Total:</b>			<b>33928</b>			<b>33219</b>			<b>39906</b>		

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

Date:  
May 2009

Appropriation/Budget Activity/Serial No: Other Procurement, Army/ 2/ Communications and Electronics Equipment		Weapon System Type:	P-1 Line Item Nomenclature: PENTAGON INFORMATION MGT AND TELECOM (BQ0100)							
WBS Cost Elements:	Contractor and Location	Contract Method and Type	Location of PCO	Award Date	Date of First Delivery	QTY Units	Unit Cost \$000	Specs Avail Now?	Date Revsn Avail	RFP Issue Date
<b>Unclass/Class Backbone</b>										
FY 2008	General Dynamics Arlington, VA	C/FPI	Arlington, VA	Jan 08	Feb 08		33928	Yes		
FY 2009	General Dynamics Arlington, VA	C/FPI	Arlington, VA	Jan 09	Feb 09		33219	Yes		
FY 2010	General Dynamics Arlington, VA	C/FPI	Arlington, VA	Jan 10	Feb 10		39906	Yes		

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

<b>Exhibit P-40, Budget Item Justification Sheet</b>						Date: May 2009
Appropriation / Budget Activity / Serial No: Other Procurement, Army / 2 / Communications and Electronics Equipment				P-1 Item Nomenclature ALL SOURCE ANALYSIS SYS (ASAS) (MIP) (KA4400)		
Program Elements for Code B Items:		Code:	Other Related Program Elements:			
	Prior Years	FY 2008	FY 2009	FY 2010	To Complete	Total Prog
Proc Qty	86					86
Gross Cost	808.8	147.1	79.4			1035.4
Less PY Adv Proc						
Plus CY Adv Proc						
Net Proc P1	808.8	147.1	79.4			1035.4
Initial Spares						
Total Proc Cost	808.8	147.1	79.4			1035.4
Flyaway U/C						
Weapon System Proc U/C	9.4					9.4
<b>Description:</b> The All Source Analysis System (ASAS) provides US Army commanders at all echelons from battalion to Army Service Component Command (ASCC) with automated support to the management and planning, processing and analysis, and dissemination of intelligence, counterintelligence, and electronic warfare. ASAS provides the means to enhance the commander's timely and comprehensive understanding of enemy deployments, capabilities, and potential courses of action. The system uses standard joint and Army protocols and message formats to interface with selected National, joint, theater, and tactical intelligence, surveillance, and reconnaissance systems and preprocessors and Army, joint, and coalition battle command systems. The ASAS Family of Systems is migrating into the Distributed Common Ground System-Army (DCGS-A) program and Army is using it as the initial platform to provide accelerated DCGS-A capabilities to the force. The initial DCGS-A Enabled ASAS systems began fielding in 4QFY07 and will continue through FY10. This fielding assures the availability of an initial, base DCGS-A capability in Active, National Guard, and Reserve units battalion to ASCC. The DCGS-A enabled ASAS product set currently includes: DCGS-A enabled ASAS-Light (ASAS-L) laptops; DCGS-A enabled ASAS Intelligence Fusion Station (IFS) desktop computers; the shelterized, High Mobility Multipurpose Wheeled Vehicle (HMMWV)-mounted DCGS-A enabled ASAS Analysis Control Team-Enclave (ACT-E); and various DCGS-A enabled ASAS Analysis and Control Element (ACE) configurations at Special Forces Group, Armored Cavalry Regiment, Division, Corps, and Military Intelligence Brigade.						
<b>Justification:</b> Starting in FY2010, funding for the program moves to DCGS-A (SSN BZ7316).						

<b>Exhibit P-40, Budget Item Justification Sheet</b>						Date: May 2009
Appropriation / Budget Activity / Serial No: Other Procurement, Army / 2 / Communications and Electronics Equipment				P-1 Item Nomenclature ASAS - MODULES (MIP) (K28801)		
Program Elements for Code B Items:		Code:	Other Related Program Elements:			
	Prior Years	FY 2008	FY 2009	FY 2010	To Complete	Total Prog
Proc Qty						
Gross Cost	1184.6	147.1	79.4			1411.1
Less PY Adv Proc						
Plus CY Adv Proc						
Net Proc P1	1184.6	147.1	79.4			1411.1
Initial Spares						
Total Proc Cost	1184.6	147.1	79.4			1411.1
Flyaway U/C						
Weapon System Proc U/C						
<b>Description:</b> The All Source Analysis System (ASAS) provides US Army commanders at all echelons from battalion to Army Service Component Command (ASCC) with automated support to the management and planning, processing and analysis, and dissemination of intelligence, counterintelligence, and electronic warfare. ASAS provides the means to enhance the commander's timely and comprehensive understanding of enemy deployments, capabilities, and potential courses of action. The system uses standard joint and Army protocols and message formats to interface with selected National, joint, theater, and tactical intelligence, surveillance, and reconnaissance systems and preprocessors and Army, joint, and coalition battle command systems. The ASAS Family of Systems is migrating into the Distributed Common Ground System-Army (DCGS-A) program and Army is using it as the initial platform to provide accelerated DCGS-A capabilities to the force. The initial DCGS-A Enabled ASAS systems began fielding in 4QFY07 and will continue through FY10. This fielding assures the availability of an initial, base DCGS-A capability in Active, National Guard, and Reserve units battalion to ASCC. The DCGS-A enabled ASAS product set currently includes: DCGS-A enabled ASAS-Light (ASAS-L) laptops; DCGS-A enabled ASAS Intelligence Fusion Station (IFS) desktop computers; the shelterized, High Mobility Multipurpose Wheeled Vehicle (HMMWV)-mounted DCGS-A enabled ASAS Analysis Control Team-Enclave (ACT-E); and various DCGS-A enabled ASAS Analysis and Control Element (ACE) configurations at Special Forces Group, Armored Cavalry Regiment, Division, Corps, and Military Intelligence Brigade.						
<b>Justification:</b> Starting in FY2010, funding for the program moves to DCGS-A (SSN BZ7316).						



<b>Exhibit P-5, Weapon OPA2 Cost Analysis</b>		Appropriation/Budget Activity/Serial No: Other Procurement, Army / 2 / Communications and Electronics Equipment			P-1 Line Item Nomenclature: ASAS - MODULES (MIP) (K28801)			Weapon System Type:		Date: May 2009	
<b>OPA2 Cost Elements</b>		ID	<b>FY 08</b>			<b>FY 09</b>			<b>FY 10</b>		
		CD	Total Cost	Qty	Unit Cost	Total Cost	Qty	Unit Cost	Total Cost	Qty	Unit Cost
			\$000	Each	\$000	\$000	Each	\$000	\$000	Each	\$000
Enabled ASAS Light Hardware			54058			10137					
Enabled IFS Hardware			442			1427					
Enabled ACT-E Hardware			22742			32686					
Enabled ACE Modules			19596			22649					
Project Management Administration			2358			1401					
Depot Level Software Support			380			415					
Fielding and Training			8680			6843					
Depot Hardware Support			200			200					
Engineering Support			5248			163					
Training of DCGS-A Enabled ACE			2945			3440					
HIIDE Hardware			30500								
<b>Total:</b>			<b>147149</b>			<b>79361</b>					

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

Date:  
May 2009

Appropriation/Budget Activity/Serial No: Other Procurement, Army/ 2/ Communications and Electronics Equipment	Weapon System Type:	P-1 Line Item Nomenclature: ASAS - MODULES (MIP) (K28801)								
WBS Cost Elements:	Contractor and Location	Contract Method and Type	Location of PCO	Award Date	Date of First Delivery	QTY Each	Unit Cost \$000	Specs Avail Now?	Date Revsn Avail	RFP Issue Date
<b>Enabled ASAS Light Hardware</b>										
FY 2008	GDC4S Taunton,MA	C/Option	Taunton, MA	Nov 07	Feb 08					
FY 2009	GDC4S Taunton,MA	C/Option	Taunton, MA	Nov 08	Feb 09					
<b>Enabled IFS Hardware</b>										
FY 2008	GDC4S Taunton,MA	C/Option	Taunton, MA	Nov 07	Feb 08					
FY 2009	GDC4S Taunton,MA	C/Option	Taunton, MA	Nov 08	Feb 09					
<b>Enabled ACT-E Hardware</b>										
FY 2008	GDC4S Taunton,MA	C/Option	Taunton, MA	Nov 07	Nov 08					
FY 2009	GDC4S Taunton,MA	C/Option	Taunton, MA	Nov 08	Nov 09					
<b>Enabled ACE Modules</b>										
FY 2008	GDC4S Taunton,MA	C/Option	Taunton, MA	Nov 07	Nov 08					
FY 2009	GDC4S Taunton,MA	C/Option	Taunton, MA	Nov 08	Nov 09					
<b>HIIDE Hardware</b>										
FY 2008	Securimetrics Montez, CA	C/Option	Alexandria, VA	Mar 09	May 09					

REMARKS: All equipment is NDI/COTS purchased through PD CHS or other Army activities. Cost and composition of DCGS-A enabled ASAS unit sets vary because of unit mission, echelon assigned and the configuration of the hardware module procured.

<b>Exhibit P-40, Budget Item Justification Sheet</b>						Date: May 2009
Appropriation / Budget Activity / Serial No: Other Procurement, Army / 2 / Communications and Electronics Equipment				P-1 Item Nomenclature JTT/CIBS-M (MIP) (V29600)		
Program Elements for Code B Items:		Code:	Other Related Program Elements:			
	Prior Years	FY 2008	FY 2009	FY 2010	To Complete	Total Prog
Proc Qty	700					700
Gross Cost	289.1	7.5	11.3	4.9		312.8
Less PY Adv Proc						
Plus CY Adv Proc						
Net Proc P1	289.1	7.5	11.3	4.9		312.8
Initial Spares						
Total Proc Cost	289.1	7.5	11.3	4.9		312.8
Flyaway U/C						
Weapon System Proc U/C	0.6					0.6
<b>Description:</b> The Joint Tactical Terminal (JTT) Product Management Office (PMO) supports all Joint services and Special Operations Command (SOCOM). The Integrated Broadcast Service (IBS) is the worldwide Department of Defense (DoD) standard network for transmitting tactical and strategic intelligence and targeting data to all echelons of Joint Service operational users. The JTT PMOs role is to consolidate and replace existing IBS terminal functionality and capability with a family of Common Integrated Broadcast Service-Modules (CIBS-M) - both hardware and software - and to expedite execution of the IBS Technical Transition Plan (TTP). The JTT family of systems currently consists of the JTT-Senior, JTT-Briefcase, JTT-IBS and CIBS-M IBS broadcast receiver/transceiver devices. The TTP is a comprehensive refresh effort of the entire IBS network focused on rearchitecting the broadcast from its current multi-broadcast, multi-data format structure, to a single broadcast (Common Interactive Broadcast - CIB) and single data format (Common Message Format - CMF). The JTT/CIBS-M family of systems is a critical component of the TTP as these systems are the only IBS receiver/transceiver devices in the DoD being modernized to support both the new consolidated broadcast architecture and the National Security Agencies (NSA) crypto modernization mandate. The JTT family of systems upgrades is imperative to execute the over-the-air broadcast portion of the TTP and IBS data flow via the existing over-the-air IBS broadcast networks. The JTT/CIBS-M family of modules will be the official IBS producer, ensuring continued IBS interoperability to a variety of tactical receivers across DoD and the services throughout the TTP implementation period and beyond. This program funds the design, development, test and evaluation of JTT/CIBS-M hardware and software modules, as well as implementing performance enhancements to the family of JTT equipment. This is necessary to ensure crypto modernization compliance and to facilitate migration to a rearchitected CIB and CMF-based IBS broadcast structure. Funds also support JTT/CIBS-M training, equipping and supporting the Warfighter with improved Joint Readiness and Interoperability.						
<b>Justification:</b> FY2010 Base dollars of \$3.279 million will support the DAMA-compliant/CIB-ready hardware ECP and PMO costs.  FY2010 OCO dollars of \$1.660 million will procure 32 JTT upgrade kits.						

<b>OPA2 Cost Elements</b>		ID	<b>FY 08</b>			<b>FY 09</b>			<b>FY 10</b>		
		CD	Total Cost	Qty	Unit Cost	Total Cost	Qty	Unit Cost	Total Cost	Qty	Unit Cost
			\$000	Units	\$000	\$000	Units	\$000	\$000	Units	\$000
HARDWARE									1660	32	52
Program Management			2500			2600			2236		
Systems Sustainment			949			743					
COMSEC Module Redesign (JTT-SR)			4031								
NSA Support											
ECP JTT-IBS						8000			1043		
<b>Total:</b>			<b>7480</b>			<b>11343</b>			<b>4939</b>		

<b>Exhibit P-40, Budget Item Justification Sheet</b>	Date: May 2009
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Appropriation / Budget Activity / Serial No: Other Procurement, Army / 2 / Communications and Electronics Equipment	P-1 Item Nomenclature PROPHET GROUND (MIP) (BZ7326)
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Program Elements for Code B Items:	Code:	Other Related Program Elements:
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	Prior Years	FY 2008	FY 2009	FY 2010	To Complete	Total Prog
Proc Qty	224	14	32	23		293
Gross Cost	531.3	122.4	116.2	64.5	Continuing	Continuing
Less PY Adv Proc						
Plus CY Adv Proc						
Net Proc P1	531.3	122.4	116.2	64.5	Continuing	Continuing
Initial Spares						
Total Proc Cost	531.3	122.4	116.2	64.5	Continuing	Continuing
Flyaway U/C						
Weapon System Proc U/C					Continuing	Continuing

**Description:**  
 Prophet's primary mission is to provide 24-hour Situation Development and Information Superiority to the supported maneuver brigade to enable the most effective engagement of enemy forces. Prophet is an integral part of the Army Transformation, providing Near Real Time (NRT) information to the Brigade Commander within his combat decision cycle. It is the tactical commander's sole organic ground-based Signals Intelligence/Electronic Warfare (SIGINT/EW) system for the Division, Brigade Combat Team (BCT), Stryker Brigade Combat Team (SBCT), Armored Cavalry Regiments (ACR) and Battlefield Surveillance Brigade (BfSB). Prophet provides the tactical commander with the next generation SIGINT/EW - radio detection/direction finding and electronic attack capabilities. Prophet stationary and on-the-move direction finding information develops battlespace visualization, Intelligence Preparation of the Battlefield (IPB) and target development for enemy and gray emitters within radio line-of-sight across the brigade area of responsibility. This NRT information, when processed, provides a key component of the fused intelligence Common Operating Picture (COP). Prophet interfaces via Prophet Control with the maneuver brigade Analysis and Control Team - Enclave (ACT-E) and All Source Analysis System (ASAS) Intelligence Fusion System (IFS). Prophet Control is a surrogate for the Distributed Common Ground System-Army (DCGS-A). The Prophet Control and its inherent capabilities will transition to DCGS-A (DCGS-A SCI 3) as part of the Army's restructuring of intelligence analytical capability throughout the Army. The ACT-E forwards the gathered information to the division and armored cavalry Analysis and Control Element (ACE). Also, Prophet interfaces directly with the National SIGINT Enterprise either via Prophet Control or via Wideband Beyond Line of Sight Satellite Communications. Prophet enables the Brigade Commander to detect signals while the vehicle is moving, a first for a Tactical SIGINT system. Tactics, Techniques and Procedures (TTPs) will be leveraged for the FCS program. Prophet is utilizing an evolutionary acquisition strategy: Electronic Support (ES) Block I (SIGINT), ES 1 (Modern Signals) (Formerly known as Spiral 1 ES), ES 2 (Formerly known as Spiral 2 ES), Electronic Attack (EA) (Formerly known as Spiral 1 EA) and Prophet Enhanced.

**Justification:**  
 FY 2010 Base dollars of \$64.498 million procure 13 Prophet Enhanced sensors and 10 Prophet Control systems mounted on a designated armor vehicle to support maneuver brigades operating in combat theaters.  
 FY10 Overseas Contingency Operations(OCO): none.

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

Date: May 2009

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

P-1 Item Nomenclature  
PROPHET GROUND (MIP) (BZ7326)

Program Elements for Code B Items:

Code:

Other Related Program Elements:

		FY2008	FY2009	FY2010
Active	QTY			
	Gross Cost	\$26,170	\$40,913	\$28,077
National Guard	QTY			
	Gross Cost	\$96,183	\$75,336	\$18,381
Reserve	QTY			
	Gross Cost	\$0	\$0	\$18,040

<b>Exhibit P-5, Weapon OPA2 Cost Analysis</b>		Appropriation/Budget Activity/Serial No: Other Procurement, Army / 2 / Communications and Electronics Equipment			P-1 Line Item Nomenclature: PROPHET GROUND (MIP) (BZ7326)			Weapon System Type:		Date: May 2009	
<b>OPA2 Cost Elements</b>		ID CD	<b>FY 08</b>			<b>FY 09</b>			<b>FY 10</b>		
			Total Cost	Qty	Unit Cost	Total Cost	Qty	Unit Cost	Total Cost	Qty	Unit Cost
			\$000	Each	\$000	\$000	Each	\$000	\$000	Each	\$000
Prophet EA 1 Systems H/W			1540								
Prophet ES 1 Systems H/W			6420	10	642						
Prophet Control Systems H/W			4252	4	1063	2600	13	200			
Prophet Control Enhanced H/W									11030	10	1103
Prophet Enhanced Systems H/W						37060	20	1853	16913	13	1301
NRE			10645			992					
ECP			21988			11926					
P3I									1683		
SSEB - Prophet Enhanced			2045								
SSEB - ICLS Support						2500					
SSEB - Prophet Control Enhanced						1000			1000		
Testing			2080			3174			4200		
Software Engineering			10026			7432			260		
Training / Fielding			12286			10950			10434		
De-Fielding - Block I			1292								
Initial Spares			10215			5832			2906		
Project Management Costs			7105			8058			9239		
ARNG ASIOE			21889			17558					
Procure MMPV Production Test Platforms			2383	2	1192						
Handheld Phraselator System			2397								
GFE			2741			7167			6833		
G2 Direct SIGINT QRC Capabilities			3049								
<b>Total:</b>			<b>122353</b>			<b>116249</b>			<b>64498</b>		

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

Date:  
May 2009

Appropriation/Budget Activity/Serial No: Other Procurement, Army/ 2/ Communications and Electronics Equipment		Weapon System Type:	P-1 Line Item Nomenclature: PROPHET GROUND (MIP) (BZ7326)							
WBS Cost Elements:	Contractor and Location	Contract Method and Type	Location of PCO	Award Date	Date of First Delivery	QTY Each	Unit Cost \$000	Specs Avail Now?	Date Revsn Avail	RFP Issue Date
<b>Prophet ES 1 Systems H/W</b> FY 2008	L3 Linkabit San Diego, CA	Comp FPI	CECOM	Apr 08	Jun 09	10	642			
<b>Prophet Control Systems H/W</b> FY 2008	L3 Linkabit San Diego, CA	Comp FPI	CECOM	Mar 08	Jul 09	4	1063			
FY 2009	L3 Linkabit San Diego, CA	TBD	CECOM	Jun 09	Oct 09	13	200			
<b>Prophet Control Enhanced H/W</b> FY 2010	TBD TBD	Comp TBD	CECOM	Mar 10	Jun 11	10	1103			
<b>Prophet Enhanced Systems H/W</b> FY 2009	GD C4 Systems Scottsdale, AZ	Comp FFP	CECOM	Feb 09	Mar 10	20	1853			
FY 2010	GD C4 Systems Scottsdale, AZ	Comp FFP	CECOM	Jan 10	Aug 10	13	1301			

REMARKS: FY09 and FY10 Prophet Control procurement planned under sole source contracting action. FY09 unit cost does not reflect GFE cost. GFE for these systems will be made available from components recovered from T-Lite upgrades.



<b>FY 09 / 10 BUDGET PRODUCTION SCHEDULE</b>	P-1 ITEM NOMENCLATURE PROPHET GROUND (MIP) (BZ7326)	Date: May 2009
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COST ELEMENTS						Fiscal Year 09												Fiscal Year 10												Later
M F R	FY	S E R V	PROC QTY Units	ACCEP PRIOR TO 1 OCT	BAL DUE AS OF 1 OCT	Calendar Year 09												Calendar Year 10												
						O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	
Prophet ES 1 Systems H/W																														
1	FY 08	A	10	0	10																									0
Prophet Control Systems H/W																														
2	FY 08	A	4	0	4																									0
2	FY 09	A	13	0	13																									0
3	FY 10	A	10	0	10																									0
Prophet Control Enhanced H/W																														
4	FY 10	A	10	0	10																									10
Prophet Enhanced Systems H/W																														
3	FY 09	A	20	0	20																									0
3	FY 10	A	13	0	13																									8
Total																														
					80																									24
						O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	

M F R	Name - Location	PRODUCTION RATES			Reached D+	MFR	ADMIN LEAD TIME		MFR After 1 Oct	TOTAL After 1 Oct	REMARKS	
		MIN	1-8-5	MAX			Prior 1 Oct	After 1 Oct				
		1	2	3			4					
1	L3 Linkabit, San Diego, CA	12	48	72		1	Initial	0	5	11	16	
							Reorder	0	0	0	0	
2	L3 Linkabit, San Diego, CA	12	24	36		2	Initial	0	5	11	16	
							Reorder	0	0	0	0	
3	GD C4 Systems, Scottsdale, AZ	12	24	48			Initial	4	4	7	11	
							Reorder	0	0	0	0	
4	TBD, TBD	12	24	24		3	Initial	0	6	0	6	
							Reorder	0	0	0	0	
						4	Initial					
							Reorder					

<b>FY 11 / 12 BUDGET PRODUCTION SCHEDULE</b>	P-1 ITEM NOMENCLATURE PROPHET GROUND (MIP) (BZ7326)	Date: May 2009
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COST ELEMENTS						Fiscal Year 11												Fiscal Year 12												Later
M F R	FY	S E R V	PROC QTY Units	ACCEP PRIOR TO 1 OCT	BAL DUE AS OF 1 OCT	Calendar Year 11												Calendar Year 12												
						O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	
Prophet ES 1 Systems H/W																														
1	FY 08	A	10	10																									0	
Prophet Control Systems H/W																														
2	FY 08	A	4	4																									0	
2	FY 09	A	13	13																									0	
3	FY 10	A	10	4	6	2	2	2																					0	
Prophet Control Enhanced H/W																														
4	FY 10	A	10	0	10								2	2	2	2	2												0	
Prophet Enhanced Systems H/W																														
3	FY 09	A	20	20																									0	
3	FY 10	A	13	5	8	4	4																						0	
Total																														
					24	6	6	2						2	2	2	2	2												
					O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P		

M F R	Name - Location	PRODUCTION RATES			Reached D+	MFR	ADMIN LEAD TIME		MFR After 1 Oct	TOTAL After 1 Oct	REMARKS	
		MIN	1-8-5	MAX			Prior 1 Oct	After 1 Oct				
		1	2	3			4	Initial	Reorder	Initial		Reorder
1	L3 Linkabit, San Diego, CA	12	48	72		1	Initial	0	5	11	16	
							Reorder	0	0	0	0	
2	L3 Linkabit, San Diego, CA	12	24	36		2	Initial	0	5	11	16	
							Reorder	0	0	0	0	
3	GD C4 Systems, Scottsdale, AZ	12	24	48			Initial	0	0	0	0	
							Reorder	0	0	0	0	
4	TBD, TBD	12	24	24		3	Initial	4	4	7	11	
							Reorder	0	0	0	0	
						4	Initial	0	6	0	6	
							Reorder	0	0	0	0	
							Initial					
							Reorder					

<b>Exhibit P-40, Budget Item Justification Sheet</b>	Date: May 2009
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Appropriation / Budget Activity / Serial No: Other Procurement, Army / 2 / Communications and Electronics Equipment	P-1 Item Nomenclature Tactical Unmanned Aerial Sys (TUAS)MIP (B00301)
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Program Elements for Code B Items:	Code:	Other Related Program Elements:				
	Prior Years	FY 2008	FY 2009	FY 2010	To Complete	Total Prog
Proc Qty		15	3			18
Gross Cost	1283.3	801.3	483.9		Continuing	Continuing
Less PY Adv Proc						
Plus CY Adv Proc						
Net Proc P1	1283.3	801.3	483.9		Continuing	Continuing
Initial Spares						
Total Proc Cost	1283.3	801.3	483.9		Continuing	Continuing
Flyaway U/C						
Weapon System Proc U/C		250.7	82.4		Continuing	Continuing

**Description:**  
The Tactical Unmanned Aerial Systems (TUAS) Shadow 200 provides the Army Brigade Commander with dedicated Reconnaissance, Surveillance and Target Acquisition (RSTA), Intelligence, Battle Damage Assessment (BDA) and Force Protection. The Shadow provides the Brigade Commander with critical battlefield intelligence and targeting information in the rapid cycle time required for success at the tactical level. The TUAS Shadow system air vehicle meets the required operating range of 50 kilometers and remains on station for up to five hours. The baseline fielded payload is electro-optic infrared (EO/IR) with a Laser Designator payload (EO/IR/LD) scheduled for retrofit beginning in FY2010. Congressionally mandated Tactical Common Data Links is also scheduled for retrofit beginning in the same time frame. Intelligence, Surveillance, and Reconnaissance surge funding purchased 100+ re-wing kits that allow the launch of heavier Shadow Aircraft, in addition, funds Laser Designator Retrofit kits. The TUAS Shadow system consists of four air vehicles, (each configured with an EO/IR sensor payload), launcher and ground control and support equipment including; power generation, communications equipment, automated recovery equipment, one system remote video terminals (OSRVT), vehicle mounted shelters, and High Mobility Multipurpose Wheeled Vehicles with trailer(s). Each system is equipped with one Maintenance Section Multifunctional (mm) Vehicle and is supported at the division level by a Mobile Maintenance Facility (MMF). The TUAS Shadow has logged over 360,000 flight hours since June 2001 most of which were flown in support of Operation Iraqi Freedom and Operation Enduring Freedom.

The Extended Range Multi-Purpose (ER/MP) Unmanned Aircraft System (UAS) will provide a real-time responsive capability to conduct long-dwell, wide area reconnaissance, surveillance, target acquisition, communications relay, and attack missions (up to 4 HELLFIRE Missiles aboard) to the Division Commander. The ER/MP addresses an ever-increasing demand for greater range, altitude, endurance and payload flexibility which enables dynamic mission changes while in flight. The ER/MP will be fielded as a system to a company level organization assigned to each of the 10 active Army Divisions Combat Aviation Brigades (CAB) providing a capability that is responsive to supported units based on the division Commander's priorities. The ER/MP system consists of 12 MQ-1C Sky Warrior aircraft with Electro-Optical/Infrared, Synthetic Aperture Radar with Ground Moving Target Indicator (EO/IR/SAR/GMTI), Communications Relay and precision weapons as payloads; Ground equipment includes 5 One System Ground Control Stations (OSGCS), 5 Ground Data Terminals (GDT), 2 Portable Ground Control Stations (PGCS), 2 Portable Ground Data Terminals (PGDT), a Satellite Communication (SATCOM) Ground Data Terminal (SGDT) and other associated ground support equipment. The acquisition strategy capitalizes upon competitive forces, bringing cutting-edge improvements at the best cost and value to support the major thrusts of the DoD UAS Roadmap, a host of other studies, and the imperatives of Army modernization and Army Aviation Transformation. This includes a heavy fuel engine, 30 mission hours of endurance (24 hours on station at 300 KM range), Tactical Common Data Link technology, network connectivity that reduces information cycle time and enhances overall battlespace awareness, teaming with manned platforms, and steps toward integration of UAS into national and international airspace. The ability to operate multiple Sky Warrior aircraft simultaneously from a single One System Ground Control Station (currently mission and Air Data Relay Aircraft), a

<b>Exhibit P-40, Budget Item Justification Sheet</b>		Date: May 2009
Appropriation / Budget Activity / Serial No: Other Procurement, Army / 2 / Communications and Electronics Equipment		P-1 Item Nomenclature Tactical Unmanned Aerial Sys (TUAS)MIP (B00301)
Program Elements for Code B Items:	Code:	Other Related Program Elements:
<p>3,200 pound gross take off weight (with growth to 3,600 pounds), Fowler flaps which improve take-off and landing performance, Automatic Take-off and Landing and the flexibility to operate with or without SATCOM data links are characteristics which make this system a significant combat multiplier.</p> <p>Advanced Tactical Unmanned Aerial Vehicles (UAVs) Payloads (B00302) budget line supports the procurement of the following payload systems: (1) Synthetic Aperture Radar/Ground Moving Target Indicator (SAR/GMTI), (2) Electro Optical Infrared w/Laser Designator (EO/IR/LD) DAS-2, Common Sensor Payload (CSP) and the Tactical Signals Intelligence (SIGINT) Payload (TSP). The SAR/GMTI is a multi-mode radar that provides an all-weather, wide-area search capability with a built-in imaging mode for increased situational awareness. The SAR/GMTI payload is a complementary system to the Army's Future Combat System (FCS) and is a principal payload for the ER/MP UAV. The EO/IR/LD payload provides a day/night capability to collect and display continuous imagery with the ability to designate targets of interest for attack by laser guided precision weapons.</p> <p>The Tactical SIGINT Payload (TSP) is a modular, platform independent payload incorporating an open architecture to provide enhanced situational awareness, emitter mapping, and target identification and prosecution throughout the tactical Area of Operations (AO). The TSP provides a capability to detect and locate Radio Frequency (RF) emitters, but also the capability for Airborne Precision Geolocation (APG) of high value and high-payoff targets. The TSP payload is a Threshold When Available/Government Furnished Equipment (GFE) payload for the ERMP UAV in Increment I.</p> <p>The Common Sensor Payload effort was initiated by decision in FY 2007, at the direction of the Vice Chief of Staff of the Army. This effort will combine existing separate EO/IR/LD payload efforts into a single common payload with a single logistics tail to support the Extended Range/ Multi-Purpose (ER/MP) UAV as well as the Armed Reconnaissance Helicopter (ARH) ARH-70A Helicopter.</p> <p>The SAR/GMTI production contract was awarded to Northrop Grumman for the production and integration of a SAR/GMTI payload on the ERMP UAV.</p> <p><b>Justification:</b> Program moves to APA in FY 2010.</p>		

<b>Exhibit P-5, Weapon OPA2 Cost Analysis</b>	Appropriation/Budget Activity/Serial No: Other Procurement, Army / 2 / Communications and Electronics Equipment	P-1 Line Item Nomenclature: Tactical Unmanned Aerial Sys (TUAS)MIP (B00301)	Weapon System Type:	Date: May 2009
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OPA2 Cost Elements	ID	FY 08			FY 09			FY 10		
	CD	Total Cost	Qty	Unit Cost	Total Cost	Qty	Unit Cost	Total Cost	Qty	Unit Cost
		\$000	Units	\$000	\$000	Units	\$000	\$000	Units	\$000
Advanced TUAS Payloads		42128			156988					
Extended Range/Multi Purpose UAS		158635			238960					
Shadow RQ-7A/B		600517			87904					
<b>Total:</b>		<b>801280</b>			<b>483852</b>					

<b>Exhibit P-40, Budget Item Justification Sheet</b>						Date: May 2009
Appropriation / Budget Activity / Serial No: Other Procurement, Army / 2 / Communications and Electronics Equipment				P-1 Item Nomenclature Advanced TUAS Payloads (MIP) (B00302)		
Program Elements for Code B Items: 0305204A-Tactical Unmanned Aerial Vehicles		Code:	Other Related Program Elements:			
	Prior Years	FY 2008	FY 2009	FY 2010	To Complete	Total Prog
Proc Qty						
Gross Cost	163.6	42.1	157.0			362.7
Less PY Adv Proc						
Plus CY Adv Proc						
Net Proc P1	163.6	42.1	157.0			362.7
Initial Spares						
Total Proc Cost	163.6	42.1	157.0			362.7
Flyaway U/C						
Weapon System Proc U/C						
<b>Description:</b>						
<p>Advanced Tactical Unmanned Aerial Vehicles (UAVs) Payloads (B00302) budget line supports the procurement of the following payload systems: (1) Synthetic Aperture Radar/Ground Moving Target Indicator (SAR/GMTI), (2) Electro Optical Infrared w/Laser Designator (EO/IR/LD) DAS-2, Common Sensor Payload (CSP) and (3) the Tactical Signals Intelligence (SIGINT) Payload (TSP). The SAR/GMTI is a multi-mode radar that provides an all-weather, wide-area search capability with a built-in imaging mode for increased situational awareness. The SAR/GMTI payload is a complementary system to the Army's Future Combat System (FCS) and is a principal payload for the ER/MP UAV. The EO/IR/LD payload provides a day/night capability to collect and display continuous imagery with the ability to designate targets of interest for attack by laser guided precision weapons.</p> <p>Tactical Signals Intelligence (SIGINT) Payload (TSP) is an Unmanned Aerial System (UAS) mounted SIGINT sensor that detects radio frequency (RF) emitters. TSP, through handoff from the Combat Aviation Brigade (CAB), is capable of providing the Brigade Combat Team (BCT) Land Commander with an overwatch and penetrating SIGINT system capable of detecting, identifying, locating, and providing geolocation information on RF emitters throughout the Area of Operations (AO).</p> <p>The Common Sensor Payload effort was initiated by decision in FY 2007, at the direction of the Vice Chief of Staff of the Army.</p> <p>The SAR/GMTI production contract was awarded to Northrop Grumman for the production and integration of a SAR/GMTI payload on the ERMP UAV.</p>						
<b>Justification:</b>						
FY10 Funding is on APA A00020 line.						

<b>Exhibit P-5, Weapon OPA2 Cost Analysis</b>		Appropriation/Budget Activity/Serial No: Other Procurement, Army / 2 / Communications and Electronics Equipment		P-1 Line Item Nomenclature: Advanced TUAS Payloads (MIP) (B00302)			Weapon System Type:		Date: May 2009		
<b>OPA2 Cost Elements</b>		ID CD	<b>FY 08</b>			<b>FY 09</b>			<b>FY 10</b>		
			Total Cost	Qty	Unit Cost	Total Cost	Qty	Unit Cost	Total Cost	Qty	Unit Cost
			\$000	Each	\$000	\$000	Each	\$000	\$000	Each	\$000
<b>DAS-2</b>											
DAS-2 Payload Support			3529								
<b>CSP Production</b>											
CSP Hardware Contract (EO/IR/LD)						78089	90	868			
Program Management/ Engineering Support						3494					
System Test & Eval						3598					
Training						50					
Initial Spares						6508					
New Equipment Training						859					
Interim Contractor Support						911					
<b>SAR/GMTI Production</b>											
SAR/GMTI Hardware Contract			14649	8	1831	40662	29	1402			
Program Management/ Engineering Support			12497			3660					
Engineering Changes											
System Test & Eval			3683			66					
Training and Data			4309			244					
Initial Spares			300								
Interim Contractor Support						2285					
Warrior Block 1 System Upgrades			3161								
<b>TSP Production</b>											
TSP Hardware Contract						6500	5	1300			
First Article Test						900					
Integration/ Engineering Support						3350					
System Test & Evaluation						1600					
Initial Spares						1300					
Training						400					
Contractor Logistics Support/Manuals						250					
Program Management						700					
<b>Total:</b>			<b>42128</b>			<b>155426</b>					

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

Date:  
May 2009

WBS Cost Elements:	Contractor and Location	Contract Method and Type	Location of PCO	Award Date	Date of First Delivery	QTY Each	Unit Cost \$	Specs Avail Now?	Date Revsn Avail	RFP Issue Date
<b>CSP Hardware Contract (EO/IR/LD)</b> FY 2009	Raytheon McKinney, TX	FFP	CECOM	Mar 09	Sep 09	90	868	Y		
<b>SAR/GMTI Hardware Contract</b> FY 2008	Northrop Grumman Linthicum, MD	FFP	CECOM	Apr 08	Oct 09	8	1831	Y		
FY 2009	Northrop Grumman Linthicum, MD	FFP	CECOM	Jan 09	Nov 09	29	1402	Y		
<b>TSP Hardware Contract</b> FY 2009	BAE Systems Nashua, NH	FFP	McClellan, CA	Aug 09	Oct 09	5	1300	N		

REMARKS:





**FY 10 / 11 BUDGET PRODUCTION SCHEDULE**

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

Date: May 2009

COST ELEMENTS							Fiscal Year 10												Fiscal Year 11												Later
M F R	FY	S E R V	PROC QTY Units	ACCEP PRIOR TO 1 OCT	BAL DUE AS OF 1 OCT	Calendar Year 10												Calendar Year 11													
						O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P		
CSP Hardware Contract (EO/IR/LD)																															
1	FY 09	A	90	5	85	6	7	8	8	8	8	8	8	8	8	8														0	
SAR/GMTI Hardware Contract																															
2	FY 08	A	8	0	8	2	2	2	2																					0	
2	FY 09	A	29	0	29		2	2	2	2	3	3	3	4	2	2	2													0	
TSP Hardware Contract																															
3	FY 09	A	5	0	5	2	1	1	1																					0	
					127	10	12	13	13	10	10	11	11	11	12	10	2	2													
						O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P		

M F R	Name - Location	PRODUCTION RATES			Reached D+	MFR	ADMIN LEAD TIME		MFR After 1 Oct	TOTAL After 1 Oct	REMARKS
		MIN	1-8-5	MAX			Prior 1 Oct	After 1 Oct			
		Initial		Reorder							
1	Raytheon, McKinney, TX	12	24	125	1	Initial	0	6	0	6	
						Reorder	0	0	0	0	
2	Northrop Grumman, Linthicum, MD	12	24	48	2	Initial	0	17	2	19	
						Reorder	0	8	2	10	
3	BAE Systems, Nashua, NH	5	36	72	3	Initial	0	2	4	6	
						Reorder	0	0	0	0	
						Initial					
						Reorder					
						Initial					
						Reorder					

<b>Exhibit P-40, Budget Item Justification Sheet</b>						Date: May 2009
Appropriation / Budget Activity / Serial No: Other Procurement, Army / 2 / Communications and Electronics Equipment				P-1 Item Nomenclature Extended Range/Multi-Purpose (ER/MP) UAS (MIP) (B00305)		
Program Elements for Code B Items:		Code:	Other Related Program Elements:			
	Prior Years	FY 2008	FY 2009	FY 2010	To Complete	Total Prog
Proc Qty			1			1
Gross Cost	81.1	158.6	239.0			478.7
Less PY Adv Proc						
Plus CY Adv Proc						
Net Proc P1	81.1	158.6	239.0			478.7
Initial Spares						
Total Proc Cost	81.1	158.6	239.0			478.7
Flyaway U/C						
Weapon System Proc U/C			239.0			239.0
<b>Description:</b> The Extended Range Multi-Purpose (ER/MP) Unmanned Aircraft System (UAS) will provide a real-time responsive capability to conduct long-dwell, wide area reconnaissance, surveillance, target acquisition, communications relay, and attack missions (up to 4 HELLFIRE Missiles aboard) to the Division Commander. The ER/MP addresses an ever-increasing demand for greater range, altitude, endurance and payload flexibility which enables dynamic mission changes while in flight. The ER/MP will be fielded as a system to a company level organization assigned to each of the 10 active Army Divisions Combat Aviation Brigades (CAB) providing a capability that is responsive to supported units based on the division Commander's priorities. The ER/MP system consists of 12 MQ-1C Sky Warrior aircraft with Electro-Optical/Infrared, Synthetic Aperture Radar with Ground Moving Target Indicator (EO/IR/SAR/GMTI), Communications Relay and precision weapons as payloads; Ground equipment includes 5 One System Ground Control Stations (OSGCS), 5 Ground Data Terminals (GDT), 2 Portable Ground Control Stations (PGCS), 2 Portable Ground Data Terminals (PGDT), a Satellite Communication (SATCOM) Ground Data Terminal (SGDT) and other associated ground support equipment. The acquisition strategy capitalizes upon competitive forces, bringing cutting-edge improvements at the best cost and value to support the major thrusts of the DoD UAS Roadmap, a host of other studies, and the imperatives of Army modernization and Army Aviation Transformation. This includes a heavy fuel engine, 30 mission hours of endurance (24 hours on station at 300 KM range), Tactical Common Data Link technology, network connectivity that reduces information cycle time and enhances overall battlespace awareness, teaming with manned platforms, and steps toward integration of UAS into national and international airspace. The ability to operate multiple Sky Warrior aircraft simultaneously from a single One System Ground Control Station (currently mission and Air Data Relay Aircraft), a 3,200 pound gross take off weight (with growth to 3,600 pounds), Fowler flaps which improve take-off and landing performance, Automatic Take-off and Landing and the flexibility to operate with or without SATCOM data links are characteristics which make this system a significant combat multiplier. Program moves to APA in FY 2010.						
<b>Justification:</b> Program moves to APA in FY 2010.						

<b>Exhibit P-5, Weapon OPA2 Cost Analysis</b>		Appropriation/Budget Activity/Serial No: Other Procurement, Army / 2 / Communications and Electronics Equipment			P-1 Line Item Nomenclature: Extended Range/Multi-Purpose (ER/MP) UAS (MIP) (B00305)			Weapon System Type:		Date: May 2009	
<b>OPA2 Cost Elements</b>		ID CD	<b>FY 08</b>			<b>FY 09</b>			<b>FY 10</b>		
			Total Cost	Qty	Unit Cost	Total Cost	Qty	Unit Cost	Total Cost	Qty	Unit Cost
			\$000	Units	\$000	\$000	Units	\$000	\$000	Units	\$000
EXTENDED RANGE MULTI-PURPOSE											
<b>PRIME CONTRACTOR</b>											
Long Lead Items											
System Production											
Attrition											
Support Equipment											
Program Management											
Test & Evaluation											
Fielding & Spares											
Training Set											
Net Training											
System Test & Evaluation											
Engineering Services											
Pre-Planned Upgrades											
Modifications											
<b>Total Prime Contractor Cost</b>											
<b>GOVERNMENT</b>											
Government Furnished Equipment											
Program Management											
System Test & Evaluation											
Other Government Agencies											
Common Systems Integration											
<b>SUB-TOTAL ER/MP COST</b>											
Warrior Alpha (Training Set)											
School House Equipment											
Sky Warrior Training CLS											
Warrior A Unmanned Air Vehicles											
Quick Response Capability (QRC)											
<b>Total:</b>											

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

Date:  
May 2009

Appropriation/Budget Activity/Serial No: Other Procurement, Army/ 2/ Communications and Electronics Equipment		Weapon System Type:	P-1 Line Item Nomenclature: Extended Range/Multi-Purpose (ER/MP) UAS (MIP) (B00305)							
WBS Cost Elements:	Contractor and Location	Contract Method and Type	Location of PCO	Award Date	Date of First Delivery	QTY Units	Unit Cost \$000	Specs Avail Now?	Date Revsn Avail	RFP Issue Date
<b>EXTENDED RANGE MULTI-PURPOSE</b> FY 2009	GENERAL ATOMICS/ASI SAN DIEGO, CA	SS/CPIF	AMCOM	Jun 09	Jul 10	1	18188	Y	N/A	N/A

REMARKS:

<b>FY 09 / 10 BUDGET PRODUCTION SCHEDULE</b>														P-1 ITEM NOMENCLATURE Extended Range/Multi-Purpose (ER/MP) UAS (MIP) (B00305)										Date: May 2009	
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COST ELEMENTS					Fiscal Year 09										Fiscal Year 10										Later	
MFR	FY	SERV	PROC QTY Units	ACCEP PRIOR TO 1 OCT	BAL DUE AS OF 1 OCT	Calendar Year 09										Calendar Year 10										
						OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR		MAY

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

MFR	Name - Location	PRODUCTION RATES			Reached D+	MFR	ADMIN LEAD TIME		MFR After 1 Oct	TOTAL After 1 Oct	REMARKS	
		MIN	1-8-5	MAX			Prior 1 Oct	After 1 Oct				
1	GENERAL ATOMICS/ASI, SAN DIEGO, CA	1	1	3		1	Initial	8	3	28	31	
							Reorder	0	0	0	0	
							Initial					
							Reorder					
							Initial					
							Reorder					
							Initial					
							Reorder					
							Initial					
							Reorder					

<b>Exhibit P-40, Budget Item Justification Sheet</b>	Date: May 2009
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Appropriation / Budget Activity / Serial No: Other Procurement, Army / 2 / Communications and Electronics Equipment	P-1 Item Nomenclature SHADOW RQ-7A/B (TUAS) (MIP) (BA0330)
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Program Elements for Code B Items:	Code:	Other Related Program Elements: 0305204A - RDT&E, A00015 - APA
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	Prior Years	FY 2008	FY 2009	FY 2010	To Complete	Total Prog
Proc Qty	81	15	2			98
Gross Cost	1174.9	600.5	87.9		Continuing	Continuing
Less PY Adv Proc						
Plus CY Adv Proc						
Net Proc P1	1174.9	600.5	87.9		Continuing	Continuing
Initial Spares						
Total Proc Cost	1174.9	600.5	87.9		Continuing	Continuing
Flyaway U/C		17.8				17.8
Weapon System Proc U/C	14.5	40.0	44.0		Continuing	Continuing

**Description:**  
The Tactical Unmanned Aerial Systems (TUAS) Shadow 200 provides the Army Brigade Commander with dedicated Reconnaissance, Surveillance and Target Acquisition (RSTA), Intelligence, Battle Damage Assessment (BDA) and Force Protection. The Shadow provides the Brigade Commander with critical battlefield intelligence and targeting information in the rapid cycle time required for success at the tactical level. The TUAS Shadow system air vehicle meets the required operating range of 50 kilometers and remains on station for up to five hours. The baseline fielded payload is electro-optic infrared (EO/IR) with a Laser Designator payload (EO/IR/LD) scheduled for retrofit beginning in FY 2008. Congressionally mandated Tactical Common Data Links is also scheduled for retrofit beginning in FY 2010. Intelligence, Surveillance, and Reconnaissance surge funding purchased both re-wing kits that allow the launch of heavier Shadow Aircraft. The TUAS Shadow system consists of four air vehicles, (each configured with an EO/IR sensor payload), launcher and ground control and support equipment including: power generation, communications equipment, automated recovery equipment, one system remote video terminals (OSRVT), vehicle mounted shelters, and High Mobility Multipurpose Wheeled Vehicles with trailer(s). Each system is equipped with one Maintenance Section Multifunctional (MSM) Vehicle and is supported at the division level by a Mobile Maintenance Facility (MMF). The TUAS Shadow has logged over 360,000 flight hours since June FY 2001 most of which were flown in support of Operation Iraqi Freedom and Operation Enduring Freedom.

**Justification:**  
Program moves to APA in FY 2010.

<b>Exhibit P-5, Weapon OPA2 Cost Analysis</b>		Appropriation/Budget Activity/Serial No: Other Procurement, Army / 2 / Communications and Electronics Equipment			P-1 Line Item Nomenclature: SHADOW RQ-7A/B (TUAS) (MIP) (BA0330)			Weapon System Type:		Date: May 2009	
<b>OPA2 Cost Elements</b>		ID CD	<b>FY 08</b>			<b>FY 09</b>			<b>FY 10</b>		
			Total Cost	Qty	Unit Cost	Total Cost	Qty	Unit Cost	Total Cost	Qty	Unit Cost
			\$000	Each	\$000	\$000	Each	\$000	\$000	Each	\$000
TACTICAL UNMANNED AERIAL VEHICLE											
<b>SHADOW</b>											
Shadow Systems Hardware Cost			164964	15	10998	22800	2	11400			
Maintenance Section Multi-functional			23464	15	1564	3467	2	1734			
Supplemental ASL											
Inclement Weather						3970					
Engineering Support			2300								
P3I (Mods / Retrofits)			25317			29955					
Fielding (BIT Team)			7841								
<b>Total Prime Contractor System</b>			<b>223886</b>			<b>60192</b>					
OSRVT						22880					
Government Furnished Equipment			23472			3914					
Program Management (Government)			8610			918					
Engineering			4092								
Logistics			3731								
Other Government Agencies Support			6850								
Common System Intergration			3072								
<b>Total Government Cost</b>			<b>49827</b>			<b>27712</b>					
TUAS ISR Surge			49300								
Hunter Congressinal Add			8000								
Hunter SAR Integration			940								
Hunter ISR			99300								
OSRVT Supplemental			5300								
OSRVT ISR			114000								
Budget Adjustment			49964								
<b>Total Other Costs</b>			<b>326804</b>								
<b>Total:</b>			<b>600517</b>			<b>87904</b>					



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

Date:  
May 2009

Appropriation/Budget Activity/Serial No: Other Procurement, Army/ 2/ Communications and Electronics Equipment			Weapon System Type:		P-1 Line Item Nomenclature: SHADOW RQ-7A/B (TUAS) (MIP) (BA0330)					
WBS Cost Elements:	Contractor and Location	Contract Method and Type	Location of PCO	Award Date	Date of First Delivery	QTY Units	Unit Cost \$000	Specs Avail Now?	Date Revsn Avail	RFP Issue Date
<b>TACTICAL UNMANNED AERIAL VEHICLE</b>										
FY 2008	AAI Hunt Valley, MD	SS/FPIF	AMCOM	Jun 08	Jun 09	2	12562	Y	N/A	N/A
FY 2008	AAI Hunt Valley, MD	SS/FPIF	AMCOM	Sep 08	May 10	13	12562	Y	N/A	N/A
FY 2009	AAI Hunt Valley, MD	SS/FPIF	AMCOM	Aug 09	Aug 10	2	11400	Y	N/A	N/A

REMARKS:

**FY 08 / 09 BUDGET PRODUCTION SCHEDULE**

P-1 ITEM NOMENCLATURE  
SHADOW RQ-7A/B (TUAS) (MIP) (BA0330)

Date: May 2009

COST ELEMENTS						Fiscal Year 08													Fiscal Year 09													Later
MFR	FY	SE R V	PROC QTY Each	ACCEP PRIOR TO 1 OCT	BAL DUE AS OF 1 OCT	Calendar Year 08													Calendar Year 09													
						OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP			

TACTICAL UNMANNED AERIAL VEHICLE																															
1	FY 09		2	0	2																							A	2		
1	FY 08	A	2	0	2									A															1	1	
1	FY 08	A	13	0	13																										13
Total					17																								1	16	

MFR	Name - Location	PRODUCTION RATES			Reached D+	MFR	ADMIN LEAD TIME		MFR After 1 Oct	TOTAL After 1 Oct	REMARKS	
		MIN	1-8-5	MAX			Prior 1 Oct	After 1 Oct				
1	AAI, Hunt Valley, MD	1	10	12		1	Initial	4	6	12	18	
							Reorder	4	6	12	18	
							Initial					
							Reorder					
							Initial					
							Reorder					
							Initial					
							Reorder					
							Initial					
							Reorder					

<b>FY 10 / 11 BUDGET PRODUCTION SCHEDULE</b>	P-1 ITEM NOMENCLATURE SHADOW RQ-7A/B (TUAS) (MIP) (BA0330)	Date: May 2009
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COST ELEMENTS						Fiscal Year 10											Fiscal Year 11											Later
M F R	FY	S E R V	PROC QTY Each	ACCEP PRIOR TO 1 OCT	BAL DUE AS OF 1 OCT	Calendar Year 10											Calendar Year 11											
						O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	

TACTICAL UNMANNED AERIAL VEHICLE																													
1	FY 09		2	0	2													1	1									0	
1	FY 08	A	2	1	1	1																						0	
1	FY 08	A	13	0	13							1	2	2	2	2	2	2										0	
Total					16	1							1	2	2	3	3	2	2										
						O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P

M F R	Name - Location	PRODUCTION RATES			Reached D+	MFR	ADMIN LEAD TIME		MFR After 1 Oct	TOTAL After 1 Oct	REMARKS	
		MIN	1-8-5	MAX			1	Initial				Reorder
1	AAI, Hunt Valley, MD	1	10	12			4	6	12	18		
							4	6	12	18		

<b>Exhibit P-40, Budget Item Justification Sheet</b>						Date: May 2009
Appropriation / Budget Activity / Serial No: Other Procurement, Army / 2 / Communications and Electronics Equipment				P-1 Item Nomenclature SMALL UNMANNED AERIAL SYSTEM (SUAS) (B00303)		
Program Elements for Code B Items:		Code:	Other Related Program Elements:			
	Prior Years	FY 2008	FY 2009	FY 2010	To Complete	Total Prog
Proc Qty	217	463	169			849
Gross Cost	34.5	76.6	57.5		Continuing	Continuing
Less PY Adv Proc						
Plus CY Adv Proc						
Net Proc P1	34.5	76.6	57.5		Continuing	Continuing
Initial Spares						
Total Proc Cost	34.5	76.6	57.5		Continuing	Continuing
Flyaway U/C		60.2				60.2
Weapon System Proc U/C	0.2	0.2	0.3		Continuing	Continuing
<b>Description:</b> The Small Unmanned Aircraft System (SUAS) program provides the ground maneuver battalions and below with situational awareness and enhanced force protection. SUAS is a man portable unmanned aircraft system capable of handling a wide variety of Intelligence, Surveillance & Reconnaissance (ISR) tasks at Battalion and below. The SUAS aircraft has a wingspan of 4.5 feet and weighs 4.2 pounds. It is hand-launched, and provides aerial observation, day or night, at line-of-sight ranges up to 10 kilometers. The aircraft has an endurance rate of 90 minutes and can deliver color or infrared imagery in real time to the ground control and remote viewing stations. SUAS obtained Milestone C approval 6 Oct 05 and successfully completed IOT&E June 06. The program obtained Full Rate Production authority 5 Oct 06. Beginning in FY 2010, Raven Systems will include a Digital Data Link (DDL). Implementation of a Digital Data Link (DDL) will allow for the operation of a greater number of Raven systems in the same radio frequency spectrum, vice four that are possible with current analog link. By making a denser operating environment possible, DDL mitigates frequency restrictions in theatre which limit both training and operational effectiveness.						
<b>Justification:</b> Program moves to APA in FY 2010.						

<b>OPA2 Cost Elements</b>		ID	<b>FY 08</b>			<b>FY 09</b>			<b>FY 10</b>		
		CD	Total Cost	Qty	Unit Cost	Total Cost	Qty	Unit Cost	Total Cost	Qty	Unit Cost
			\$000	Units	\$000	\$000	Units	\$000	\$000	Units	\$000
<b>SMALL UNMANNED AERIAL SYSTEM BASE</b>											
<b>SUAS</b>											
Small Systems Hardware Cost											
Program Management											
System Test and Evaluation											
Fielding											
Data											
ECP / Mods											
<b>Total Hardware Cost</b>											
Government Furnished Equipment											
Program Management (Government)											
Engineering											
Logistics											
OGA											
Fielding											
Common Systems Integration											
<b>Total Government Cost</b>											
<b>Total:</b>											

**Exhibit P-5, Weapon OPA2 Cost Analysis**

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

P-1 Line Item Nomenclature:  
SMALL UNMANNED AERIAL SYSTEM (SUAS) (B00303)

Weapon System Type:

Date:  
May 2009

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

Date:  
May 2009

Appropriation/Budget Activity/Serial No: Other Procurement, Army/ 2/ Communications and Electronics Equipment		Weapon System Type:	P-1 Line Item Nomenclature: SMALL UNMANNED AERIAL SYSTEM (SUAS) (B00303)							
WBS Cost Elements:	Contractor and Location	Contract Method and Type	Location of PCO	Award Date	Date of First Delivery	QTY Units	Unit Cost \$000	Specs Avail Now?	Date Revsn Avail	RFP Issue Date
<b>Small Systems Hardware Cost</b>										
FY 2008	AERO VIRONMENT SIMI VALLEY, CA	C/FFP	AMCOM	Jan 08	May 08	463	101	Y	N/A	N/A
FY 2009	AERO VIRONMENT SIMI VALLEY, CA	C/FFP	AMCOM	Jan 09	May 09	168	110	Y	N/A	N/A

REMARKS:

<b>Exhibit P-40, Budget Item Justification Sheet</b>						Date: May 2009
Appropriation / Budget Activity / Serial No: Other Procurement, Army / 2 / Communications and Electronics Equipment				P-1 Item Nomenclature DIGITAL TOPOGRAPHIC SPT SYS (DTSS) (MIP) (KA2550)		
Program Elements for Code B Items:		Code:	Other Related Program Elements:			
	Prior Years	FY 2008	FY 2009	FY 2010	To Complete	Total Prog
Proc Qty						
Gross Cost	486.3	53.8	35.7	0.3		576.0
Less PY Adv Proc						
Plus CY Adv Proc						
Net Proc P1	486.3	53.8	35.7	0.3		576.0
Initial Spares						
Total Proc Cost	486.3	53.8	35.7	0.3		576.0
Flyaway U/C						
Weapon System Proc U/C						
<b>Description:</b>						
<p>The Digital Topographic Support System (DTSS) provides digital terrain analysis and map updates to commanders and weapons platforms in support of mission planning (e.g., imagery exploitation, Cover and Concealment, other Intelligence Preparation Battlespace (IPB)), rehearsal (e.g., 3D fly through, simulations) and execution (e.g., Common Operating Picture, route planning). The DTSS automates terrain analysis and visualization, data base development, updates, management, dissemination, and graphics reproduction. The Combat Terrain Information Systems (CTIS) Modernization Plan emphasizes the development of a combined, integrated, tactically deployable, fully autonomous terrain analysis and graphics reproduction capability. CTIS consists of the Digital Topographic Support System-Light (DTSS-L) (High Mobility Multipurpose Wheeled Vehicle (HMMWV)), DTSS-Deployable (DTSS-D), DTSS-Base (DTSS-B) and the High Volume Map Production (HVMP) equipment. The DTSS-L is a highly mobile sheltered system which is capable of supporting a full range of military operations, as well as peacetime stability and support operations. The DTSS-D provides a Commercial Off the Shelf (COTS) configuration in transit cases that is capable of operating all of the terrain analysis software. The DTSS-D consists of transportable workstations and peripherals that can be set up to augment the tactical configurations. The DTSS-D does not include tactically deployable shelters and vehicles or tactical communications. The DTSS-B was procured in response to an initiative to develop the capability to generate terrain information over sparsely mapped areas to support contingency, mission rehearsal and training operations. The DTSS-B is designed to augment National Geospatial-Intelligence Agency (NGA) capabilities at the Echelons above Corps (EAC) level by providing quick response data generation, special purpose mapping, and terrain analysis. The DTSS-B includes a component that is capable of handling National Technical Means (NTM) information in a secure environment. The HVMP provides a tactical capability to rapidly reproduce large volumes of digital topographic materiel. HVMP is capable of reproducing information from a variety of digital and hardcopy sources via direct digital interfaces. Additionally, an institutional training classroom environment for all DTSS configurations has been delivered to the NGA School of Geospatial-Intelligence (TSG)(formerly the Defense Mapping School). TSG provides critical MOS specific training on the operation of CTIS developed systems. CTIS systems operate within the Battle Command System architecture and are deployed from Brigade through EAC, Stryker Brigades and Special Forces Groups.</p>						
<b>Justification:</b>						
No FY 10 Base funding.						
FY 10 OCO funding in the amount of \$0.265 million will procure DTSS-L spares.						

<b>Exhibit P-5, Weapon OPA2 Cost Analysis</b>		Appropriation/Budget Activity/Serial No: Other Procurement, Army / 2 / Communications and Electronics Equipment			P-1 Line Item Nomenclature: DIGITAL TOPOGRAPHIC SPT SYS (DTSS) (MIP) (KA2550)			Weapon System Type:		Date: May 2009	
<b>OPA2 Cost Elements</b>		ID CD	<b>FY 08</b>			<b>FY 09</b>			<b>FY 10</b>		
			Total Cost	Qty	Unit Cost	Total Cost	Qty	Unit Cost	Total Cost	Qty	Unit Cost
			\$000	Each	\$000	\$000	Each	\$000	\$000	Each	\$000
<b>Hardware</b>											
DTSS-Deployable		A									
DTSS-Light		A	29500	41	720	22787	34	670			
DTSS-L Spares										265	
DTSS-Base		A	1275	1	1275						
HVMP		A									
<b>Hardware Total</b>			<b>30775</b>			<b>22787</b>			<b>265</b>		
<b>Engineering Support</b>											
Design Engineering			10510			1630					
Misc Out-of-House Engineering			1450			1185					
<b>Engineering Support Total</b>			<b>11960</b>			<b>2815</b>					
<b>Fielding</b>											
Total Package Fielding			1856			1700					
New Equipment Training			1700			1000					
First Destination Transportation			1200			600					
<b>Fielding Total</b>			<b>4756</b>			<b>3300</b>					
Project Management and Administration			3700			3700					
Interim Contractor Support			400			300					
Institutional Training			2159			2821					
<b>Total:</b>			<b>53750</b>			<b>35723</b>			<b>265</b>		



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

Date:  
May 2009

Appropriation/Budget Activity/Serial No: Other Procurement, Army/ 2/ Communications and Electronics Equipment	Weapon System Type:	P-1 Line Item Nomenclature: DIGITAL TOPOGRAPHIC SPT SYS (DTSS) (MIP) (KA2550)								
WBS Cost Elements:	Contractor and Location	Contract Method and Type	Location of PCO	Award Date	Date of First Delivery	QTY Each	Unit Cost \$000	Specs Avail Now?	Date Revsn Avail	RFP Issue Date
<b>DTSS-Deployable</b>										
<b>DTSS-Light</b>										
FY 2008	Sechan Electronics Lititz, PA	C/FP	USA Topo Eng Center	Feb 08	Feb 09	41	720	No		
FY 2009	Sechan Electronics Lititz, PA	C/FP	USA Topo Eng Center	Feb 09	Feb 10	25	627	No		
FY 2009	Sechan Electronics Lititz, PA	C/FP	USA Topo Eng Center	Dec 08	May 10	9	670	No		
<b>DTSS-Base</b>										
FY 2008	Azimuth Incorporated Morgantown, WV	C/FP	USA Topo Eng Center	Feb 08	Aug 08	1	1275	Yes		

REMARKS:

<b>Exhibit P-40, Budget Item Justification Sheet</b>						Date: May 2009
Appropriation / Budget Activity / Serial No: Other Procurement, Army / 2 / Communications and Electronics Equipment				P-1 Item Nomenclature DCGS-A (MIP) (BZ7316)		
Program Elements for Code B Items:		Code:	Other Related Program Elements:			
	Prior Years	FY 2008	FY 2009	FY 2010	To Complete	Total Prog
Proc Qty						
Gross Cost	224.0	224.3	177.4	252.5	Continuing	Continuing
Less PY Adv Proc						
Plus CY Adv Proc						
Net Proc P1	224.0	224.3	177.4	252.5	Continuing	Continuing
Initial Spares						
Total Proc Cost	224.0	224.3	177.4	252.5	Continuing	Continuing
Flyaway U/C						
Weapon System Proc U/C					Continuing	Continuing
<b>Description:</b> Distributed Common Ground System - Army (DCGS-A) is the Intelligence, Surveillance and Reconnaissance (ISR) gateway to Joint, Interagency, Allied, Coalition, and National data, information sharing and collaboration. It provides access to theater and national intelligence collection, analysis, early warning and targeting capabilities in support of commanders at all echelons. DCGS-A will vertically and horizontally synchronize ISR Task, Post, Process and Use (TPPU) efforts; and operate in a networked environment at multiple security levels. DCGS-A provides a single integrated ISR ground processing system composed of joint common components that are interoperable with sensors, other information sources, all Battlefield Operating Systems (BOS), and the Department of Defense (DoD) DCGS Family of Systems. DCGS-A software and hardware is tailored by echelon and scaleable to the requirements of each mission, task, and purpose. The core functions of DCGS-A are: receipt and processing of space, airborne, ground and maritime ISR sensor data; control of select Army and joint ISR sensor systems; intelligence synchronization; ISR planning; reconnaissance and surveillance (R&S) integration; fusion of sensor information, and direction and distribution of relevant red (threat), gray (non-aligned), and environmental (weather and terrain) information. DCGS-A will combine and replace the ground processing capabilities of nine current force systems with a common, integrated capability that is fully interoperable with both the Network Centric Enterprise Services (NCES) and Future Combat System (FCS) System of Systems Core Operating Environment (SOSCOE). DCGS-A will be fielded in Fixed, Mobile and Embedded configurations. DCGS-A emphasizes the use of reach and split based operations to improve accessibility to data and reduce forward deployed footprint, executing the preponderance of ISR processing and exploitation from Fixed Sites that directly support tactical Commanders. Embedded DCGS-A will be the DCGS-A common software components that provide the standard services, applications and tools to conduct DCGS-A ISR operations. DCGS-A hardware and software will also be integrated into select ISR Current Force Program of Record (POR) systems to network enable and enhance their capability. DCGS-A is focused on improving and accelerating the decision-action cycle and enabling commanders at all levels to achieve situational understanding and unified action through a common operational picture (COP). Combined with other battlefield functional area capabilities, this will allow Army commanders and joint warfighters to be aware of friendly forces, enemy forces, the environment, and to understand the consequences as each interact - the essence of the Army's vision and requirements for network centric warfare.						
<b>Justification:</b> FY 2010 Base dollars of \$85.354 million will procure hardware and software components for the DCGS-A Fixed Sites, Institutional Training Facility and DCGS-A enabled Program of Record systems. Funding also procures Commercial Off The Shelf (COTS) software licenses to enhance performance of fielded systems, supports V3 fieldings, training and Program Management Office (PMO) support.  FY 2010 OCO dollars of \$167.1 million will fund DCGS-A enabling upgrades to Programs of Record and complete H/W purchases for V3 fieldings.						

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

Date: May 2009

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

P-1 Item Nomenclature  
DCGS-A (MIP) (BZ7316)

Program Elements for Code B Items:

Code:

Other Related Program Elements:

	QTY	FY2008	FY2009	FY2010
Active	Gross Cost	\$219,672	\$111,687	\$235,419
National Guard	Gross Cost	\$4,599	\$65,761	\$17,035
Reserve	Gross Cost	\$0	\$0	\$0

<b>OPA2 Cost Elements</b>		ID	<b>FY 08</b>			<b>FY 09</b>			<b>FY 10</b>		
		CD	Total Cost	Qty	Unit Cost	Total Cost	Qty	Unit Cost	Total Cost	Qty	Unit Cost
			\$000	Units	\$000	\$000	Units	\$000	\$000	Units	\$000
Mods/Support of Current Force Systems						10425			80834		
Basic Analyst Laptop (BAL)			17595	1035	17	16509	971	17			
Workstation Suite (WSS)			12710	82	155	12400	80	155			
Mini-Work Server Suite			16750	134	125	18875	151	125			
CGS Grow the Army (BCT Mods)			17604	10	1760	18680	10	1868	41400	23	1800
Roundout / Enhancements of Fixed Sites			17517			2230			18500		
CI&I Ops for DCGS-A Modularity						2797					
Software Renewal Licenses			14469			51184			35613		
POR Migration / Data Model Conversion			57012								
Program Office Support			33077			33430			32972		
Fielding			14383			4288			6987		
Training			16369			6630			7984		
Interim Contractor Support									5350		
Institutional Training Equipment			2350						22814		
Post Deployment Software Support			4435								
<b>Total:</b>			<b>224271</b>			<b>177448</b>			<b>252454</b>		

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

Date:  
May 2009

WBS Cost Elements:	Contractor and Location	Contract Method and Type	Location of PCO	Award Date	Date of First Delivery	QTY Each	Unit Cost \$000	Specs Avail Now?	Date Revsn Avail	RFP Issue Date
<b>Basic Analyst Laptop (BAL)</b>										
FY 2008	General Dynamics Taunton, MA	C/FFP	Ft. Monmouth	Jan 08	Aug 08	1035	17			
FY 2009	General Dynamics Taunton, MA	C/FFP	Ft. Monmouth	Jan 09	Aug 09	971	17			
<b>Workstation Suite (WSS)</b>										
FY 2008	General Dynamics Taunton, MA	C/FFP	Ft. Monmouth	Jan 08	Aug 08	82	155			
FY 2009	General Dynamics Taunton, MA	C/FFP	Ft. Monmouth	Jan 09	Aug 09	80	155			
<b>Mini-Work Server Suite</b>										
FY 2008	General Dynamics Taunton, MA	C/FFP	Ft. Monmouth	Jan 08	Aug 08	134	125			
FY 2009	General Dynamics Taunton, MA	C/FFP	Ft. Monmouth	Jan 09	Aug 09	151	125			
<b>CGS Grow the Army (BCT Mods)</b>										
FY 2008	General Dynamics Pheonix, AZ	C/FFP	Ft. Monmouth	Jul 08	Feb 09	10	1760			
FY 2009	General Dynamics Pheonix, AZ	C/FFP	Ft. Monmouth	Aug 09	Feb 10	10	1868			
FY 2010	General Dynamics Pheonix, AZ	C/FFP	Ft. Monmouth	Mar 10	Sep 10	23	1800			

REMARKS:

<b>FY 09 / 10 BUDGET PRODUCTION SCHEDULE</b>										P-1 ITEM NOMENCLATURE DCGS-A (MIP) (BZ7316)										Date: May 2009	
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COST ELEMENTS						Fiscal Year 09										Fiscal Year 10										Later			
M F R	FY	S E R V	PROC QTY Units	ACCEP PRIOR TO 1 OCT	BAL DUE AS OF 1 OCT	Calendar Year 09										Calendar Year 10													
						O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y		J U N	J U L	A U G
Basic Analyst Laptop (BAL)																													
1	FY 08	A	1035	400	635	200	200	200	35																			0	
1	FY 09	A	971	749	222				A						200	22												0	
Workstation Suite (WSS)																													
1	FY 08	A	82	40	42	20	20	2																					0
1	FY 09	A	80	0	80				A						20	20	20	20											0
Mini-Work Server Suite																													
1	FY 08	A	134	40	94	20	20	20	20	14																			0
1	FY 09	A	151	0	151				A						20	20	20	20	20	20	20	11							0
CGS Grow the Army (BCT Mods)																													
2	FY 08	A	10	0	10									1	1	1	1	1	1	2	2								0
2	FY 09	A	10	0	10																				2	4	4		0
2	FY 10	A	23	0	23																						A	3	20
Total						1267	240	240	222	55	14			1	1	1	241	63	41	42	22	20	22	15	4			3	20
						O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P

M F R	Name - Location	PRODUCTION RATES			Reached D+	MFR	ADMIN LEAD TIME		MFR After 1 Oct	TOTAL After 1 Oct	REMARKS	
		MIN	1-8-5	MAX			1	2				
												Prior 1 Oct
1	General Dynamics, Taunton, MA	100	200	250		1	Initial	0	0	6	6	
							Reorder	0	0	6	6	
2	General Dynamics, Pheonix, AZ	2	20	30		2	Initial	0	6	6	12	
							Reorder	0	0	6	6	
							Initial					
							Reorder					
							Initial					
							Reorder					
							Initial					
							Reorder					

<b>FY 11 / 12 BUDGET PRODUCTION SCHEDULE</b>	P-1 ITEM NOMENCLATURE DCGS-A (MIP) (BZ7316)	Date: May 2009
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COST ELEMENTS						Fiscal Year 11													Fiscal Year 12													Later
M F R	FY	S E R V	PROC QTY Units	ACCEP PRIOR TO 1 OCT	BAL DUE AS OF 1 OCT	Calendar Year 11													Calendar Year 12													
						O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P			
Basic Analyst Laptop (BAL)																																
1	FY 08	A	1035	1035																									0			
1	FY 09	A	971	971																									0			
Workstation Suite (WSS)																																
1	FY 08	A	82	82																									0			
1	FY 09	A	80	80																									0			
Mini-Work Server Suite																																
1	FY 08	A	134	134																									0			
1	FY 09	A	151	151																									0			
CGS Grow the Army (BCT Mods)																																
2	FY 08	A	10	10																									0			
2	FY 09	A	10	10																									0			
2	FY 10	A	23	3	20	4	4	4	4	4																			0			
Total					20	4	4	4	4	4																						
					O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P				

M F R	Name - Location	PRODUCTION RATES			Reached D+	MFR	ADMIN LEAD TIME		MFR After 1 Oct	TOTAL After 1 Oct	REMARKS		
		MIN	1-8-5	MAX			1	Initial				0	0
1	General Dynamics, Taunton, MA	100	200	250		1	Initial	0	0	6	6		
							Reorder	0	0	6	6		
2	General Dynamics, Pheonix, AZ	2	20	30		2	Initial	0	6	6	12		
							Reorder	0	0	6	6		
							Initial						
							Reorder						
							Initial						
							Reorder						
							Initial						
							Reorder						

<b>Exhibit P-40, Budget Item Justification Sheet</b>						Date: May 2009
Appropriation / Budget Activity / Serial No: Other Procurement, Army / 2 / Communications and Electronics Equipment				P-1 Item Nomenclature JOINT TACTICAL GROUND STATION (JTAGS) (BZ8401)		
Program Elements for Code B Items:		Code:	Other Related Program Elements: RDTE: PE 0208053A Project 635 JTAGS			
	Prior Years	FY 2008	FY 2009	FY 2010	To Complete	Total Prog
Proc Qty						
Gross Cost	4.5			6.7		11.2
Less PY Adv Proc						
Plus CY Adv Proc						
Net Proc P1	4.5			6.7		11.2
Initial Spares						
Total Proc Cost	4.5			6.7		11.2
Flyaway U/C						
Weapon System Proc U/C						
<b>Description:</b> The Joint Tactical Ground Station (JTAGS) Pre-Planned Product Improvement (P3I) follow on program will procure life cycle equipment upgrades, assorted Ballistic Missile Early Warning Trainers and current and future communication equipment and upgrades.						
<b>Justification:</b> FY 10 Base procurement dollars in the amount of \$6.703 million supports Joint Tactical Ground Station Mods (BZ8420): FY10 Base procurement dollars will also be utilized to provide the Pre-Planned Product Improvement (P3I) Initial Geosynchronous Elliptical Orbit (GEO) Capability (IGC) upgrades (commercial antenna and communication upgrades hardware).						



<b>Exhibit P-40, Budget Item Justification Sheet</b>	Date: May 2009
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Appropriation / Budget Activity / Serial No: Other Procurement, Army / 2 / Communications and Electronics Equipment	P-1 Item Nomenclature JOINT TACTICAL GROUND STATION MODS (JTAGS) (BZ8420)
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Program Elements for Code B Items:	Code:	Other Related Program Elements: RDTE: 0208053A Project 635 JTAGS
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	Prior Years	FY 2008	FY 2009	FY 2010	To Complete	Total Prog
Proc Qty						
Gross Cost	4.5			6.7		11.2
Less PY Adv Proc						
Plus CY Adv Proc						
Net Proc P1	4.5			6.7		11.2
Initial Spares						
Total Proc Cost	4.5			6.7		11.2
Flyaway U/C						
Weapon System Proc U/C						

**Description:**  
The currently deployed Joint Tactical Ground Station (JTAGS) system provides the only means for directly down linking raw data from the Defense Support Program satellites, processing that data into ballistic missile early warning, alerting and cueing and disseminating that information reliably to theater combatant commanders. The objectives of the improvements are to upgrade JTAGS to a Pre-Planned Product Improvement (P3I) follow-on configuration for operation with the next generation, Space Based Infrared System (SBIRS), satellites and to improve warning accuracy and timeliness. The P3I development is no longer a fiscally cooperative effort but is still a joint interest development effort with the U.S. Air Force. JTAGS today and the P3I in the future are an integral part of the Integrated Air Missiles Defense (IAMD) architecture.

**Justification:**  
FY10 Base funding in the amount of \$6.703 million supports the Pre-Planned Product Improvement (P3I) Initial Geosynchronous Elliptical Orbit (GEO) Capability (IGC) upgrades (commercial antenna and communication upgrades hardware).

<b>Exhibit P-40M, Budget Item Justification Sheet</b>						Date: May 2009
Appropriation / Budget Activity / Serial No: Other Procurement, Army / 2 / Communications and Electronics Equipment			P-1 Item Nomenclature JOINT TACTICAL GROUND STATION MODS (JTAGS) (BZ8420)			
Program Elements for Code B Items:				Code:	Other Related Program Elements: RDTE: 0208053A Project 635 JTAGS	
Description		Fiscal Years				
OSIP No.	Classification	2008 & PR	FY 2009	FY 2010	TC	Total
Life Cycle management / Technology Insertion						
TBD2	Added Capability	4.5	0.0	6.7	0.0	11.2
Totals		4.5	0.0	6.7	0.0	11.2

**INDIVIDUAL MODIFICATION**

Date: May 2009

MODIFICATION TITLE: Life Cycle management / Technology Insertion [MOD 1] TBD2

MODELS OF SYSTEM AFFECTED: Data Processing Subsystem

DESCRIPTION / JUSTIFICATION:  
 With the short life and supportability of COTS computing processors and because the JTAGS is primarily composed of COTS computer processors, it is necessary to conduct periodic life cycle management / technology reviews and fusion to maintain operations and sustainability.

DEVELOPMENT STATUS / MAJOR DEVELOPMENT MILESTONE(S):

Installation Schedule

Pr Yr	FY 2009				FY 2010				FY 2011				FY 2012				FY 2013			
	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4
Totals						5														
Inputs																				
Outputs								1	1	1	2									

  

	FY 2014				FY 2015				FY 2016				FY 2017				To Complete	Totals
	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4		
Inputs																		5
Outputs																		5

METHOD OF IMPLEMENTATION:

ADMINISTRATIVE LEADTIME:

0 months

PRODUCTION LEADTIME: 0 months

Contract Dates:

FY 2010 -

FY 2011 -

FY 2012 -

Delivery Dates:

FY 2010 -

FY 2011 -

FY 2012 -

**INDIVIDUAL MODIFICATION**

Date: May 2009

MODIFICATION TITLE (cont): Life Cycle management / Technology Insertion [MOD 1] TBD2

FINANCIAL PLAN: (\$ in Millions)

	FY 2008 and Prior		2009		2010		TC		Total	
	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$
	<b>RDT&amp;E</b>									
<b>Procurement</b>		4.2								4.2
Kit Quantity										
Installation Kits										
Installation Kits, Nonrecurring										
Equipment										
Equipment, Nonrecurring										
Engineering Change Orders		0.3				6.7				7.0
Data										
Training Equipment										
Support Equipment										
Other										
Interim Contractor Support										
<b>Installation of Hardware</b>										
FY 2007 & Prior Equip -- Kits										
FY 2008 -- Kits										
FY 2009 Equip -- Kits										
FY 2010 Equip -- Kits										
FY 2011 Equip -- Kits										
FY 2012 Equip -- Kits										
FY 2013 Equip -- Kits										
FY 2014 Equip -- Kits										
TC Equip- Kits										
Total Installment	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
Total Procurement Cost		4.5		0.0		6.7		0.0		11.2

<b>Exhibit P-40, Budget Item Justification Sheet</b>						Date: May 2009
Appropriation / Budget Activity / Serial No: Other Procurement, Army / 2 / Communications and Electronics Equipment				P-1 Item Nomenclature TROJAN (MIP) (BA0326)		
Program Elements for Code B Items:		Code:	Other Related Program Elements:			
	Prior Years	FY 2008	FY 2009	FY 2010	To Complete	Total Prog
Proc Qty						
Gross Cost	244.9	13.3	35.1	26.7	Continuing	Continuing
Less PY Adv Proc						
Plus CY Adv Proc						
Net Proc P1	244.9	13.3	35.1	26.7	Continuing	Continuing
Initial Spares						
Total Proc Cost	244.9	13.3	35.1	26.7	Continuing	Continuing
Flyaway U/C						
Weapon System Proc U/C					Continuing	Continuing
<b>Description:</b>						
TROJAN, as an Army Intelligence system, has been providing a direct support and an operational readiness capability to warfighters since 1983. TROJAN exists to provide value added to the tactical commander with remote access to signal environments, in order to maintain a high state of operational readiness and enhance the training and sustainment of highly perishable intelligence skills. Additionally, the TROJAN architecture provides the infrastructure enabling split-based and force protection operations in direct support of the warfighter.						
Trojan Classic XXI (TCXXI) advances the tactical commanders' readiness in the areas of training (technical and operational signals intelligence (SIGINT)), operational intelligence production and dissemination, and operational support to split-based intelligence operations supporting force projection operations. TCXXI's principle use is to provide remote access to target environments, enabling split-based operations from a sanctuary by being the gateway interface to environments of immediate relevance to every supported commander's priority intelligence requirements. In addition, TCXXI will continue its role as an operational readiness system, while also supporting commanders' intelligence requirements across the spectrum of conflict.						
TCXXI is an intelligence and electronic warfare (IEW) system that supports the increased readiness of key mobilization personnel in preparation for actions in the mission areas of The Army Plan (TAP). TCXXI is capable of maintaining operational readiness status of unit personnel supporting the full spectrum of military operations as outlined in the Army Strategic Planning Guidance and Army Planning Guidance sections of the TAP.						
TCXXI provides operational readiness capability to an Army commander employing a rapid global response capability to any level of military conflict throughout the seven mission areas. By employing reach technology relay capabilities between the forward deployed sensors and the sanctuary-based Remote Operational Facilities (ROFs), TCXXI can meet the operational deployment timelines through the use of readiness training venues to meet the requirements of units from Brigade Combat Teams through Corps and Echelon Above Corps (EAC). This operational concept provides the unique capability to remotely control the sensors and direction finding capabilities of the Deployable Collection Assets (DCAs) and process and analyze the collected information for timely reporting of time-sensitive information to the forward deployed Army, Joint Service and Multi-National warfighters.						
<b>Justification:</b>						
FY2010 procures hardware/software in support of the planned TROJAN Classic XXI and TROJAN SPIRIT LITE system modernization upgrades and fielding activities to include Remote Operations Facilities, mobile and fixed Remote Collection Facilities, and TS LITE V1/V2/V3 systems. Fieldings include existing TROJAN facilities as well as emerging TIG/TIB requirements.						

<b>Exhibit P-40, Budget Item Justification Sheet</b>		Date: May 2009
Appropriation / Budget Activity / Serial No: Other Procurement, Army / 2 / Communications and Electronics Equipment		P-1 Item Nomenclature TROJAN (MIP) (BA0326)
Program Elements for Code B Items:	Code:	Other Related Program Elements:
<p>Procures collection and processing system upgrades required to maintain the TROJAN Classic system strategic architecture commonality. These enhancements were commonly known as TROJAN Classic XXI and are now referred to as TROJAN Ground SIGINT NexGEN 1.0. Funding is used for the procurement of material (hardware/software) in support of planned TROJAN Ground SIGINT NexGEN 1.0 upgrades and fieldings activities to include TMRRS and TSPRING systems, SEARCHLITE systems, new TROJAN GLAIVE systems development and fielding, modernization of existing sites to GLAIVE architecture, and upgrades to both Network Control Centers to support GLAIVE upgrades and network infrastructures.</p> <p>Procures pre-planned product improvements to all the fielded and to be fielded TROJAN SPIRIT LITE(V)1/(V)2/(V)3 systems. These are as follows: Black Transport(bulk encrypted) Network upgrades, Increased bandwidth upgrades to 8-10 Mbps throughput, Terminal calibration and alignment capabilities for auto acquisition, X and Ka Band upgrades, TDMA modem implementation and TROJAN Network Control Center/TROJAN Network Operations Center upgrades.</p>		

<b>Exhibit P-5, Weapon OPA2 Cost Analysis</b>	Appropriation/Budget Activity/Serial No: Other Procurement, Army / 2 / Communications and Electronics Equipment	P-1 Line Item Nomenclature: TROJAN (MIP) (BA0326)	Weapon System Type:	Date: May 2009
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OPA2 Cost Elements	ID	FY 08			FY 09			FY 10		
	CD	Total Cost	Qty	Unit Cost	Total Cost	Qty	Unit Cost	Total Cost	Qty	Unit Cost
		\$000	Each	\$000	\$000	Each	\$000	\$000	Each	\$000
TROJAN CLASSIC XXI		7691	9		16902	8	2113	11340	10	1134
TS SPIRIT MODERNIZATION		5636	7		18176	3	6059	15319	34	451
<b>Total:</b>		<b>13327</b>			<b>35078</b>			<b>26659</b>		

<b>Exhibit P-40, Budget Item Justification Sheet</b>						Date: May 2009
Appropriation / Budget Activity / Serial No: Other Procurement, Army / 2 / Communications and Electronics Equipment				P-1 Item Nomenclature TROJAN CLASSIC (MIP) (BA0331)		
Program Elements for Code B Items:		Code:	Other Related Program Elements:			
	Prior Years	FY 2008	FY 2009	FY 2010	To Complete	Total Prog
Proc Qty						
Gross Cost	194.3	7.7	16.9	11.3	Continuing	Continuing
Less PY Adv Proc						
Plus CY Adv Proc						
Net Proc P1	194.3	7.7	16.9	11.3	Continuing	Continuing
Initial Spares						
Total Proc Cost	194.3	7.7	16.9	11.3	Continuing	Continuing
Flyaway U/C						
Weapon System Proc U/C					Continuing	Continuing
<b>Description:</b> The TROJAN Classic (TC) is a combined split-based operations and mission training system which uses advanced networking technology to provide cryptologic support such as rapid radio relay and secure communications to U.S. forces throughout the world. TC provides commanders at division, corps and echelons above corps with real time access to SIGINT for split-based operations, pre-deployment training and live environment training from garrison. TROJAN operations are tailored to satisfy military intelligence unit training schedules and are surged during specific events to involve every aspect of the tactical intelligence collection, processing, analysis and reporting efforts. TC permits flexible near-real-time (NRT) split-based SIGINT mission operations in tactical units. Supports NRT contingency intelligence collection, predeployment planning and data base development for both CONUS and OCONUS based forces. Soldiers at unit garrison locations remotely control fixed collection sites or forward deployed mobile systems via secure satellite circuits that travel through a central switching network hub. The TROJAN control/switching/routing architecture provide gateways to common user networks such as the Joint Worldwide Intelligence Communications System (JWICS), SECRET Internet Protocol Router Network (SIPRNET), Global Communications System (GCS), Defense Information Systems Network (DISN) Asynchronous Transfer Mode (ATM) Services - Classified (DAS-C) Network, and various IDXN Networks.						
<b>Justification:</b> FY2010 procures collection and processing system upgrades required to maintain the TROJAN Classic system strategic architecture commonality. These enhancements were commonly known as TROJAN Classic XXI and are now referred to as TROJAN Ground SIGINT NexGEN 1.0. Funding is used for the procurement of material (hardware/software) in support of planned TROJAN Ground SIGINT NexGEN 1.0 upgrades and fieldings activities to include TMRRS and TSPRING systems, SEARCHLITE systems, new TROJAN GLAIVE systems development and fielding, modernization of existing sites to GLAIVE architecture, and upgrades to both Network Control Centers to support GLAIVE upgrades and network infrastructures.						



<b>Exhibit P-5, Weapon OPA2 Cost Analysis</b>		Appropriation/Budget Activity/Serial No: Other Procurement, Army / 2 / Communications and Electronics Equipment			P-1 Line Item Nomenclature: TROJAN CLASSIC (MIP) (BA0331)			Weapon System Type:		Date: May 2009	
<b>OPA2 Cost Elements</b>		ID CD	<b>FY 08</b>			<b>FY 09</b>			<b>FY 10</b>		
			Total Cost	Qty	Unit Cost	Total Cost	Qty	Unit Cost	Total Cost	Qty	Unit Cost
			\$000	Units	\$000	\$000	Units	\$000	\$000	Units	\$000
<b>TROJAN CLASSIC XXI</b>											
Hardware			7291	9	810	7304	8	913	10140	10	1014
Integration/Fielding			400			9598			1200		
<b>Total:</b>			<b>7691</b>			<b>16902</b>			<b>11340</b>		

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

Date:  
May 2009

Appropriation/Budget Activity/Serial No: Other Procurement, Army/ 2/ Communications and Electronics Equipment	Weapon System Type:	P-1 Line Item Nomenclature: TROJAN CLASSIC (MIP) (BA0331)								
WBS Cost Elements:	Contractor and Location	Contract Method and Type	Location of PCO	Award Date	Date of First Delivery	QTY Units	Unit Cost \$000	Specs Avail Now?	Date Revsn Avail	RFP Issue Date
<b>TROJAN CLASSIC XXI</b>										
<b>Hardware</b>										
FY 2008	CACI Tinton Falls, NJ	T&M	Ft. Monmouth, NJ	Feb 08	May 08	9	810	yes	n/a	awarded
FY 2009	CACI Tinton Falls, NJ	T&M	Ft. Monmouth, NJ	Feb 09	May 09	8	913	yes	n/a	awarded
FY 2010	CACI Tinton Falls, NJ	T&M	Ft. Monmouth, NJ	Feb 10	May 10	10	1014	yes	n/a	awarded
<b>Integration/Fielding</b>										
FY 2008	CACI Tinton Falls, NJ	T&M	Ft. Monmouth, NJ	Feb 07	May 07			yes	n/a	awarded
FY 2009	CACI Tinton Falls, NJ	T&M	Ft. Monmouth, NJ	Feb 07	May 07			yes	n/a	awarded
FY 2010	CACI Tinton Falls, NJ	T&M	Ft. Monmouth, NJ	Feb 07	May 07			yes	n/a	awarded

REMARKS:

<b>Exhibit P-40, Budget Item Justification Sheet</b>						Date: May 2009
Appropriation / Budget Activity / Serial No: Other Procurement, Army / 2 / Communications and Electronics Equipment				P-1 Item Nomenclature TROJAN SPIRIT - TERMINALS (MIP) (BA0333)		
Program Elements for Code B Items:		Code:	Other Related Program Elements:			
	Prior Years	FY 2008	FY 2009	FY 2010	To Complete	Total Prog
Proc Qty						
Gross Cost	50.7	5.6	18.2	15.3	Continuing	Continuing
Less PY Adv Proc						
Plus CY Adv Proc						
Net Proc P1	50.7	5.6	18.2	15.3	Continuing	Continuing
Initial Spares						
Total Proc Cost	50.7	5.6	18.2	15.3	Continuing	Continuing
Flyaway U/C						
Weapon System Proc U/C					Continuing	Continuing
<b>Description:</b> This budget line supports modernization and technical refresh of TROJAN Special Purpose Integrated Remote Intelligence Terminals (TROJAN SPIRIT) for the Stryker Brigades, Special Operations Forces, and Modular Force units along with modernization of the TROJAN networks and control centers.  TROJAN SPIRIT provides the Current Force, Stryker Brigades, SOF, and Modular Force units with dedicated, secure, high capacity, SCI-high intelligence data processing and communications. It provides a rapidly deployable, multi-level security, processor-to-processor, high capacity communications capability, and supports tactical to strategic reach-back, essential to split-based operations.						
<b>Justification:</b> FY2010 procures pre-planned product improvements to all the fielded and to be fielded TROJAN SPIRIT LITE(V)1/(V)2/(V)3 systems. Product improvements include: Black Transport(bulk encrypted) Network upgrades, Increased bandwidth upgrades to 8-10 Mbps throughput, Terminal calibration and alignment capabilities for auto acquisition, X and Ka Band upgrades, TDMA modem implementation and TROJAN Network Control Center/TROJAN Network Operations Center upgrades.						

<b>Exhibit P-5, Weapon OPA2 Cost Analysis</b>		Appropriation/Budget Activity/Serial No: Other Procurement, Army / 2 / Communications and Electronics Equipment			P-1 Line Item Nomenclature: TROJAN SPIRIT - TERMINALS (MIP) (BA0333)			Weapon System Type:		Date: May 2009	
<b>OPA2 Cost Elements</b>		ID CD	<b>FY 08</b>			<b>FY 09</b>			<b>FY 10</b>		
			Total Cost	Qty	Unit Cost	Total Cost	Qty	Unit Cost	Total Cost	Qty	Unit Cost
			\$000	Units	\$000	\$000	Units	\$000	\$000	Units	\$000
<b>TROJAN SPIRIT MODERNIZATION</b>											
Hardware			5128	13	394	2343	6	391	13838	34	407
Integration/Fielding			508			15833			1481		
<b>Total:</b>			<b>5636</b>			<b>18176</b>			<b>15319</b>		

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

Date:  
May 2009

Appropriation/Budget Activity/Serial No: Other Procurement, Army/ 2/ Communications and Electronics Equipment	Weapon System Type:	P-1 Line Item Nomenclature: TROJAN SPIRIT - TERMINALS (MIP) (BA0333)								
WBS Cost Elements:	Contractor and Location	Contract Method and Type	Location of PCO	Award Date	Date of First Delivery	QTY Units	Unit Cost \$000	Specs Avail Now?	Date Revsn Avail	RFP Issue Date
<b>TROJAN SPIRIT MODERNIZATION</b>										
<b>Hardware</b>										
FY 2008	CACI Tinton Falls. NJ	T&M	Ft. Monmouth, NJ	Feb 08	May 08	13	394	yes	n/a	awarded
FY 2009	CACI Tinton Falls. NJ	T&M	Ft. Monmouth, NJ	Feb 09	Aug 09	6	391	yes	n/a	awarded
FY 2010	CACI Tinton Falls. NJ	T&M	Ft. Monmouth, NJ	Feb 10	Aug 10	34	407	yes	n/a	awarded
<b>Integration/Fielding</b>										
FY 2008	CACI Tinton Falls. NJ	T&M	Ft. Monmouth, NJ	Feb 08	May 08			yes	n/a	awarded
FY 2009	CACI Tinton Falls. NJ	T&M	Ft. Monmouth, NJ	Feb 09	Aug 09			yes	n/a	awarded
FY 2010	CACI Tinton Falls. NJ	T&M	Ft. Monmouth, NJ	Feb 10	Aug 10			yes	n/a	awarded

REMARKS:

<b>Exhibit P-40, Budget Item Justification Sheet</b>						Date: May 2009
Appropriation / Budget Activity / Serial No: Other Procurement, Army / 2 / Communications and Electronics Equipment				P-1 Item Nomenclature MOD OF IN-SVC EQUIP (INTEL SPT) (MIP) (BZ9750)		
Program Elements for Code B Items:		Code:	Other Related Program Elements:			
	Prior Years	FY 2008	FY 2009	FY 2010	To Complete	Total Prog
Proc Qty						
Gross Cost	214.9	234.3	2.4	7.0	Continuing	Continuing
Less PY Adv Proc						
Plus CY Adv Proc						
Net Proc P1	214.9	234.3	2.4	7.0	Continuing	Continuing
Initial Spares						
Total Proc Cost	214.9	234.3	2.4	7.0	Continuing	Continuing
Flyaway U/C						
Weapon System Proc U/C					Continuing	Continuing
<b>Description:</b> Special Purpose Systems (BZ9751): Upgrades/enhancements of the Prophet System with additional Technical Insertion (TI) capabilities. Prophet's primary mission is providing 24-hour Situation Development and Information Superiority to the supported maneuver brigade to enable the most effective engagement of enemy forces. Prophet is an integral part of the Army Transformation, providing near real time (NRT) information to the Brigade Commander within his combat decision cycle. It is the tactical commander's sole organic ground-based SIGINT/EW system for the Division, Brigade Combat Team (BCT), Stryker Brigade Combat Team (SBCT) and Armored Cavalry Regiments (ACR). Mods for IEW TAC SIG WAR (BZ9752): Procured 76 (Unattended Ground Sensors) UGS imagers in support of ISR Surge.						
<b>Justification:</b> FY010 procurement supports upgrades/enhancements to TI capabilities to satisfy unique theater requirements.						

<b>Exhibit P-40M, Budget Item Justification Sheet</b>						Date: May 2009
Appropriation / Budget Activity / Serial No: Other Procurement, Army / 2 / Communications and Electronics Equipment			P-1 Item Nomenclature MOD OF IN-SVC EQUIP (INTEL SPT) (MIP) (BZ9750)			
Program Elements for Code B Items:				Code:	Other Related Program Elements:	
Description		Fiscal Years				
OSIP No.	Classification	2008 & PR	FY 2009	FY 2010	TC	Total
Y2K fixes for GR/CS and ARL						
1-99-07-0001	Operational	7.3	0.0	0.0	0.0	7.3
REMBASS II for SBCT						
1-02-07-0001	Operational	0.0	0.0	0.0	0.0	0.0
AN/PRD-13(V)2						
1-97-07-0001	Operational	15.4	0.0	0.0	0.0	15.4
Prophet Tech Insertion						
0-00-00-0000		7.6	2.4	7.6	0.0	17.6
AN/PPS-5D (GSR) for SBCT						
1-02-07-0002	Operational	3.9	0.0	0.0	0.0	3.9
ARNG Virtual Low Cost Infrastructure Plan						
0-04-00-0001		0.0	0.0	0.0	0.0	0.0
Special Program						
0-00-00-0000	Special	0.0	0.0	0.0	0.0	0.0
Totals		34.2	2.4	7.6	0.0	44.2

<b>Exhibit P-40, Budget Item Justification Sheet</b>						Date: May 2009	
Appropriation / Budget Activity / Serial No: Other Procurement, Army / 2 / Communications and Electronics Equipment				P-1 Item Nomenclature SPECIAL PURPOSE SYSTEMS (MIP) (BZ9751)			
Program Elements for Code B Items:		Code:	Other Related Program Elements:				
	Prior Years	FY 2008	FY 2009	FY 2010	To Complete	Total Prog	
Proc Qty							
Gross Cost	88.9	118.3	2.4	7.0	Continuing	Continuing	
Less PY Adv Proc							
Plus CY Adv Proc							
Net Proc P1	88.9	118.3	2.4	7.0	Continuing	Continuing	
Initial Spares							
Total Proc Cost	88.9	118.3	2.4	7.0	Continuing	Continuing	
Flyaway U/C							
Weapon System Proc U/C					Continuing	Continuing	
<b>Description:</b>							
<p>Upgrades/enhancements will be made to the Prophet systems with additional Technical Insertion (TI) Capabilities. Prophet's primary mission is providing 24-hour Situation Development and Information Superiority to the supported maneuver brigade to enable the most effective engagement of enemy forces. Prophet is an integral part of the Army Transformation, providing Near Real Time (NRT) information to the Brigade Commander within his combat decision cycle. It is the tactical commander's sole organic ground-based Signals Intelligence (SIGINT/EW) system for the Division, Brigade Combat Team (BCT), Stryker Brigade Combat Team (SBCT), Armored Cavalry Regiments (ACR) and Battlefield Surveillance Brigade (BfSB). Prophet stationary and on-the-move direction finding information develops battlespace visualization, Intelligence Preparation of the Battlefield (IPB) and target development for enemy and gray emitters within radio line-of-sight across the brigade area of responsibility. Additionally, Prophet provides the ability to intercept voice communications data when on board linguists are available. This NRT information when processed provides a key component of the fused intelligence Common Operating Picture (COP).</p> <p>During Operation Enduring Freedom and Iraqi Freedom (OEF/OIF) PM Prophet was tasked by DA to enhance the Prophet system with additional Technical Insertion (TI) capabilities. These capabilities were theater specific and enabled the Prophet system to address specific threats and Signals Of Interest (SOI). The information gathered by the TI provides key intelligence and insight. These systems are modular, easy to upgrade and easy to utilize.</p>							
<b>Justification:</b>							
FY 2010 Base dollars of \$7.021 million procure upgrades/enhancements to TI capabilities to satisfy unique theater requirements.							



<b>OPA2 Cost Elements</b>		ID	<b>FY 08</b>			<b>FY 09</b>			<b>FY 10</b>		
		CD	Total Cost	Qty	Unit Cost	Total Cost	Qty	Unit Cost	Total Cost	Qty	Unit Cost
			\$000	Units	\$000	\$000	Units	\$000	\$000	Units	\$000
Prophet Enhanced System Hardware			21827	18	1213						
Procure MMPV for PE			20521	18	1140						
MMPV Support and Sustainment			8502								
Prophet Control Systems Hardware			10741	9	1193						
Platoon Operations Control System			1240	3	413						
Procure HMMWV M1165A1			3562	24	148						
Triton III System Hardware			18760	6	3127						
Procure MRAP for Triton III			3528	6	588						
ECP - ES1 WB BLOS Acceleration			1789								
GFE for Prophet Enhanced			10271								
NET / Fielding / Initial Sustainment			1963								
Trojan T-Lite L-Band Config			6062								
Program Management			3734								
Triton II Refurbishment			3500								
STG - Stingray/Amberjack			1235								
Moonshine			479								
TI/SOI Insertion			621			2416			7021		
<b>Total:</b>			<b>118335</b>			<b>2416</b>			<b>7021</b>		

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

Date:  
May 2009

Appropriation/Budget Activity/Serial No: Other Procurement, Army/ 2/ Communications and Electronics Equipment		Weapon System Type:	P-1 Line Item Nomenclature: SPECIAL PURPOSE SYSTEMS (MIP) (BZ9751)							
WBS Cost Elements:	Contractor and Location	Contract Method and Type	Location of PCO	Award Date	Date of First Delivery	QTY Units	Unit Cost \$000	Specs Avail Now?	Date Revsn Avail	RFP Issue Date
<b>Prophet Enhanced System Hardware</b> FY 2008	GD C4 Systems Scottsdale, AZ	FFP	CECOM, Fort Monmouth, NJ	Feb 09	Oct 09	18	1213			
<b>Prophet Control Systems Hardware</b> FY 2008	L3 Comm San Diego, CA	TBD	CECOM, Fort Monmouth, NJ	Jun 09	Sep 09	9	1193			
<b>Platoon Operations Control System</b> FY 2008	AMTI Charleston, SC	FPIF	SPAWAR, Charleston, SC	Aug 08	Jun 09	3	413			
<b>Triton III System Hardware</b> FY 2008	AMTI Charleston, SC	FPIF	SPAWAR, Charleston, SC	Aug 08	Jun 09	6	3127			

REMARKS: Prophet Control procurement planned under sole source contracting action.

<b>FY 09 / 10 BUDGET PRODUCTION SCHEDULE</b>													P-1 ITEM NOMENCLATURE SPECIAL PURPOSE SYSTEMS (MIP) (BZ9751)										Date: May 2009			
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COST ELEMENTS						Fiscal Year 09													Fiscal Year 10													Later
MFR	FY	S E R V	PROC QTY Units	ACCEP PRIOR TO 1 OCT	BAL DUE AS OF 1 OCT	Calendar Year 09													Calendar Year 10													
						O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P			
Prophet Enhanced System Hardware																																
1	FY 08	A	18	0	18					A									4	4	4	4	2						0			
Prophet Control Systems Hardware																																
2	FY 08	A	9	0	9									A				2	2	2	2	1							0			
Platoon Operations Control System																																
3	FY 08	NA	3	0	3									1	1	1													0			
Triton III System Hardware																																
4	FY 08	NA	6	0	6									2	2	2													0			
Total																																
					36									3	3	3	2	6	6	6	5	2										
						O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P			

MFR	Name - Location	PRODUCTION RATES			Reached D+	MFR	ADMIN LEAD TIME		MFR After 1 Oct	TOTAL After 1 Oct	REMARKS
		MIN	1-8-5	MAX			Prior 1 Oct	After 1 Oct			
		1	GD C4 Systems, Scottsdale, AZ	1			2	4	1	Initial	
						Reorder	0	0	0	0	
2	L3 Comm, San Diego, CA	1	1	2	2	Initial	4	4	7	11	
						Reorder	0	0	0	0	
3	AMTI, Charleston, SC	1	1	2		Initial	0	3	10	13	
						Reorder	0	0	0	0	
4	AMTI, Charleston, SC	1	1	2		Initial	0	3	10	13	
						Reorder	0	0	0	0	
						Initial					
						Reorder					

<b>Exhibit P-40, Budget Item Justification Sheet</b>	Date: May 2009
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Appropriation / Budget Activity / Serial No: Other Procurement, Army / 2 / Communications and Electronics Equipment	P-1 Item Nomenclature MODS FOR IEW TAC SIG WAR (MIP) (BZ9752)
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Program Elements for Code B Items:	Code:	Other Related Program Elements:
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	Prior Years	FY 2008	FY 2009	FY 2010	To Complete	Total Prog
Proc Qty						
Gross Cost	10.0	116.0			Continuing	Continuing
Less PY Adv Proc						
Plus CY Adv Proc						
Net Proc P1	10.0	116.0			Continuing	Continuing
Initial Spares						
Total Proc Cost	10.0	116.0			Continuing	Continuing
Flyaway U/C						
Weapon System Proc U/C					Continuing	Continuing

**Description:**  
The Remotely-Monitored Battlefield Sensor System II (REMBASS-II) is a family of unattended sensors that provide all weather, 24-hour area surveillance, force protection and target detection and classification capability to support the battle field commander.

**Justification:**  
No funding for FY2010.

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

Date: May 2009

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

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

Program Elements for Code B Items:

Code:

Other Related Program Elements:

Description		Fiscal Years				
OSIP No.	Classification	2008 & PR	FY 2009	FY 2010	TC	Total
AN/PPS-5D for OIF/OEF						
0-00-00-0000		3.9	0.0	0.0	0.0	3.9
REMBASS II for OIF/OEF						
0-00-00-0000		10.1	0.0	0.0	0.0	10.1
Totals		14.0	0.0	0.0	0.0	14.0

<b>Exhibit P-40, Budget Item Justification Sheet</b>						Date: May 2009
Appropriation / Budget Activity / Serial No: Other Procurement, Army / 2 / Communications and Electronics Equipment				P-1 Item Nomenclature CI HUMINT AUTO REPRTING AND COLL(CHARCS) (MIP) (BK5275)		
Program Elements for Code B Items:		Code:	Other Related Program Elements:			
	Prior Years	FY 2008	FY 2009	FY 2010	To Complete	Total Prog
Proc Qty						
Gross Cost	210.3	28.5	37.5	38.7		315.1
Less PY Adv Proc						
Plus CY Adv Proc						
Net Proc P1	210.3	28.5	37.5	38.7		315.1
Initial Spares						
Total Proc Cost	210.3	28.5	37.5	38.7		315.1
Flyaway U/C						
Weapon System Proc U/C						
<b>Description:</b>						
<p>The Counterintelligence and Human Intelligence Automated Reporting and Collection Systems (CHARCS) is the Army's tactical CI/HUMINT collection and reporting system. It provides automation support for Army tactical CI/HUMINT information collection, reporting, investigation, interrogation, document exploitation and biometrics operations. The CHARCS automation architecture extends from the individual HUMINT team soldier or CI agent to the Corps and Division Analysis and Control Element (ACE). CI/HUMINT teams require two types of automation support. The AN/PYQ-3 CI/HUMINT Automated Tool Set (CHATS) is a team leader device that interfaces with the Distributed Common Ground Systems - Army (DCGS-A) Counterintelligence and Interrogation Operations Workstation (CI &amp; I Ops WS), All Source Analysis System (ASAS) Light, and individual CI/HUMINT agents/collectors devices. The AN/PYQ-8 Individual Tactical Reporting Tool (ITRT) provides a hand held automated collection and processing device for individual team member collection and reporting.</p> <p>Both CHATS and ITRT provide automation capabilities to collect, manage, receive, store and export reports, messages, intelligence related files.</p>						
<b>Justification:</b>						
<p>FY10 Base procurement dollars in the amount of \$4.509 million procures Counter-Intelligence/Human Intelligence Automation Tool Sets (CHATS) and Individual Tactical Reporting Tools (ITRTs) to support current Force Modernization and war fighting operations.</p> <p>FY10 OCO procurement dollars in the amount of \$34.208 million procures 873 Counter-Intelligence/Human Intelligence Automation Tool Sets (CHATS) and 461 Individual Tactical Reporting Tools (ITRTs) to support current Force Modernization and war fighting operations.</p>						

<b>OPA2 Cost Elements</b>		ID	<b>FY 08</b>			<b>FY 09</b>			<b>FY 10</b>		
		CD	Total Cost	Qty	Unit Cost	Total Cost	Qty	Unit Cost	Total Cost	Qty	Unit Cost
			\$000	Units	\$000	\$000	Units	\$000	\$000	Units	\$000
<b>Hardware</b>											
--CHATS V3			11515	350	32.9	23392	711	32.9	32932	993	32.9
--ITRT			10555	887	11.9	11750	987	11.9	6045	508	11.9
<b>Other</b>											
Total Package Fielding (TPF)											
Program Support											
Improved SW Sustainment			6237								
<b>Total:</b>			<b>28307</b>			<b>35142</b>			<b>38977</b>		

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

Date:  
May 2009

WBS Cost Elements:	Contractor and Location	Contract Method and Type	Location of PCO	Award Date	Date of First Delivery	QTY Each	Unit Cost \$000	Specs Avail Now?	Date Revsn Avail	RFP Issue Date
Appropriation/Budget Activity/Serial No: Other Procurement, Army/ 2/ Communications and Electronics Equipment		Weapon System Type:		P-1 Line Item Nomenclature: CI HUMINT AUTO REPRTING AND COLL(CHARCS) (MIP) (BK5275)						
<b>--CHATS V3</b>										
FY 2008	SAIC San Diego, CA	C/FFP	COE VBURG	Dec 07	Jun 08	350	33			
FY 2008	SAIC San Diego, CA	C/FFP	COE VBURG	Dec 07	Jun 08	5	33			
FY 2009	Engineering System Solutions Frederick, MD	C/FFP	CECOM	Jan 09	Jun 09	711	33			
FY 2009	Engineering System Solutions Frederick, MD	C/FFP	CECOM	Jan 09	Jun 09	47	33			
FY 2010	Engineering System Solutions Frederick, MD	C/FFP	COE VBURG	Jan 10	Jun 10	993	33			
FY 2010	Engineering System Solutions Frederick, MD	C/FFP	COE VBURG	Jan 10	Jun 10	8	33			
<b>--ITRT</b>										
FY 2008	SAIC San Diego, CA	C/FFP	COE VBURG	Dec 07	Jun 08	887	12			
FY 2008	SAIC San Diego, CA	C/FFP	COE VBURG	Dec 07	Jun 08	6	12			
FY 2009	Engineering System Solutions Frederick, MD	C/FFP	CECOM	Jan 09	Jun 09	987	12			
FY 2009	Engineering System Solutions Frederick, MD	C/FFP	CECOM	Jan 09	Jun 09	70	12			
FY 2010	Engineering System Solutions Frederick, MD	C/FFP	COE VBURG	Jan 10	Jun 10	508	12			
FY 2010	Engineering System Solutions Frederick, MD	C/FFP	COE VBURG	Jan 10	Jun 10	6	12			

REMARKS:



<b>Exhibit P-40, Budget Item Justification Sheet</b>						Date: May 2009
Appropriation / Budget Activity / Serial No: Other Procurement, Army / 2 / Communications and Electronics Equipment				P-1 Item Nomenclature SEQUOYAH FOREIGN LANGUAGE TRANSLATION SYSTEM (B88605)		
Program Elements for Code B Items:		Code:	Other Related Program Elements:			
	Prior Years	FY 2008	FY 2009	FY 2010	To Complete	Total Prog
Proc Qty						
Gross Cost	76.9	11.8	26.0	6.4		121.1
Less PY Adv Proc						
Plus CY Adv Proc						
Net Proc P1	76.9	11.8	26.0	6.4		121.1
Initial Spares						
Total Proc Cost	76.9	11.8	26.0	6.4		121.1
Flyaway U/C						
Weapon System Proc U/C						
<b>Description:</b> The Sequoyah - Foreign Language Translation System (S-FLTS,) program is to acquire, field and sustain the warfighter with a basic automated foreign speech and text translation capability into Joint and Army systems of record, to augment and compliment limited human linguistic resources. These stand-alone and integrated automated translation capabilities will be applicable across three different system configurations; a hand-held/wearable portable device, a lap-top or mobile device, and in a networked, web-enabled system. The software modules will translate English into a prioritized listing of languages in a prioritized collection of domains. Sequoyah will be interoperable with joint, Commercial Off The Shelf (COTS), or Government Off The Shelf (GOTS) automation equipment to include the Net Enabled Command Capability (NECC), the Distributed Common Ground System (DCGS), Soldier as a System (SaaS) Ground (GSS), Mounted (MSS) and Air (AirSS) Soldier Systems, Future Combat System (FCS), DoD Intelligence Information Systems (DoDIIS) and any associated devices and peripherals.						
<b>Justification:</b> FY10 Base procurement dollars in the amount of \$6.420 million procures software and peripherals which will provide the warfighter with automated Speech to Speech, Text to Text, and Foreign Media Monitoring capabilities.						

Exhibit P-5, Weapon OPA2 Cost Analysis	Appropriation/Budget Activity/Serial No: Other Procurement, Army / 2 / Communications and Electronics Equipment	P-1 Line Item Nomenclature: SEQUOYAH FOREIGN LANGUAGE TRANSLATION SYSTEM (B88605)			Weapon System Type:	Date: May 2009				
OPA2 Cost Elements	ID	FY 08			FY 09			FY 10		
	CD	Total Cost	Qty	Unit Cost	Total Cost	Qty	Unit Cost	Total Cost	Qty	Unit Cost
		\$000	Units	\$000	\$000	Units	\$000	\$000	Units	\$000
<b>Base</b>										
MFLT software					6000	1000	6	6100	1000	6
Program Management					339			320		
<b>Base Total</b>					<b>6339</b>			<b>6420</b>		
<b>OCO</b>										
One way Speech-to-Speech Hand-held Sys		960	320	3						
Two Way Speech-to-Speech Tranx Laptop		1280	160	8	13830	2305	6			
Text-to-Text Translation System		260	2	130	780	6	130			
Coalition Chat Instant Text Tranx Sys		840	7	120						
Foreign Media Monitoring (FMM)		4200	3	1400	2800	2	1400			
Testing		450			320					
Initial Spares		500								
Fielding		2000			1350					
Program Management		1317			607					
<b>OCO Total</b>		<b>11807</b>			<b>19687</b>					
<b>Total:</b>		<b>11807</b>			<b>26026</b>			<b>6420</b>		

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

Date:  
May 2009

Appropriation/Budget Activity/Serial No: Other Procurement, Army/ 2/ Communications and Electronics Equipment	Weapon System Type:	P-1 Line Item Nomenclature: SEQUOYAH FOREIGN LANGUAGE TRANSLATION SYSTEM (B88605)								
WBS Cost Elements:	Contractor and Location	Contract Method and Type	Location of PCO	Award Date	Date of First Delivery	QTY Each	Unit Cost \$000	Specs Avail Now?	Date Revsn Avail	RFP Issue Date
<b>MFLT software</b>										
FY 2009	TBD	TBD	TBD	Jun 09	Dec 09	1000	6			
FY 2010	TBD	TBD	TBD	Mar 10	Jun 10	1000	6			
<b>One way Speech-to-Speech Hand-held Sys</b>										
FY 2008	VOXTEC Annapolis, MD	IDIQ	NAVAIR	Aug 08	Dec 08	320	3			
<b>Two Way Speech-to-Speech Tranx Laptop</b>										
FY 2008	IBM Corp. Yorktown Heights, NY	FFP	TEC	Jan 09	Mar 09	160	8			
FY 2009	TBD	TBD	TBD	Jul 09	Dec 09	2305	6			
<b>Text-to-Text Translation System</b>										
FY 2008	NGIC Charlottesville, VA	MIPR	NGIC	Aug 08	Mar 09	2	130			
FY 2009	TBD	TBD	TBD	Jul 09	Dec 09	6	130			
<b>Coalition Chat Instant Text Tranx Sys</b>										
FY 2008	CERDEC Ft. Monmouth, NJ	MIPR	CERDEC	Oct 08	May 09	7	120			
<b>Foreign Media Monitoring (FMM)</b>										
FY 2008	TBD	TBD	TBD	Jul 09	Dec 09	3	1400			
FY 2009	TBD	TBD	TBD	Mar 10	Aug 10	2	1400			

REMARKS: Procurements based upon authorized and approved Program requirements and approved unit Operational Need Statements (ONS).

<b>Exhibit P-40, Budget Item Justification Sheet</b>						Date: May 2009
Appropriation / Budget Activity / Serial No: Other Procurement, Army / 2 / Communications and Electronics Equipment				P-1 Item Nomenclature ITEMS LESS THAN \$5.0M (MIP) (BK5278)		
Program Elements for Code B Items:		Code:	Other Related Program Elements:			
	Prior Years	FY 2008	FY 2009	FY 2010	To Complete	Total Prog
Proc Qty						
Gross Cost	675.3	45.0	30.6	22.1		773.0
Less PY Adv Proc						
Plus CY Adv Proc						
Net Proc P1	675.3	45.0	30.6	22.1		773.0
Initial Spares						
Total Proc Cost	675.3	45.0	30.6	22.1		773.0
Flyaway U/C						
Weapon System Proc U/C						
<b>Description:</b> This budget line supports procurement of Trojan Special Purpose Integrated Remote Intelligence Terminals (Trojan SPIRIT) for the Stryker Brigades, Special Operations Forces (SOF), and Modular Force units. Also funds for the Army National Guard Wideband Imagery Dissemination System.  Trojan SPIRIT provides the Current Force, Stryker Brigades, SOF, and Modular Force units with dedicated, secure, high capacity, SCI-high intelligence data processing and communications. It provides a rapidly deployable, multi-level security, processor-to-processor, high capacity communications capability, and supports tactical to strategic reach-back, essential to split-based operations.  Trojan SPIRIT Lightweight Intelligence Telecommunications Equipment (LITE) modernization and technical refresh is a new cost element established to technically improve all the Trojan SPIRIT LITE systems to be produced and in the field today. These upgrades will allow the Trojan SPIRIT LITE systems to stay relevant and modern with emerging technologies and capabilities in order to satisfy warfighters needs until WIN-T replaces Trojan SPIRIT terminals.						
<b>Justification:</b> FY10 Base funding in the amount \$17.053 million procures, integrates, and fields TS LITE systems and terminal modernization and technical refresh for Modular Force Units and Special Operations Forces.  FY10 OCO funding in the amount \$5.064 million will support STG SIGINT Terminal Guidance.						

Exhibit P-5, Weapon OPA2 Cost Analysis	Appropriation/Budget Activity/Serial No: Other Procurement, Army / 2 / Communications and Electronics Equipment	P-1 Line Item Nomenclature: ITEMS LESS THAN \$5.0M (MIP) (BK5278)			Weapon System Type:	Date: May 2009					
OPA2 Cost Elements		ID CD	FY 08			FY 09			FY 10		
			Total Cost	Qty	Unit Cost	Total Cost	Qty	Unit Cost	Total Cost	Qty	Unit Cost
			\$000	Each	\$000	\$000	Each	\$000	\$000	Each	\$000
<b>TROJAN SPIRIT LITE (V) Terminals</b>											
Hardware SBCT											
Hardware, Army Modularity Transformation											
			21006	15	1400	24455	16	1528	4614	3	1538
			567	1	567	596	1	596	700	1	700
Hardware SOF											
Integration and Fielding											
			1992			2598			420		
United States Force Korea											
Army NG Wideband Imag Dis Sys											
			7628			2991					
TROJAN SPIRIT P3I											
			13798						11319		
TS LITE Modernization and Tech Refresh											
NG virtual, low-cost infra pilot program											
Prior Years											
INSCOM Intelligence Tech Management											
Classified Programs											
Weather Sensors for Korea											
<b>STG SIGINT Terminal Guidance</b>											
STG SIGINT Terminal Guidance											
			<b>44991</b>			<b>30640</b>			<b>22117</b>		

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

Date:  
May 2009

Appropriation/Budget Activity/Serial No: Other Procurement, Army/ 2/ Communications and Electronics Equipment		Weapon System Type:		P-1 Line Item Nomenclature: ITEMS LESS THAN \$5.0M (MIP) (BK5278)						
WBS Cost Elements:	Contractor and Location	Contract Method and Type	Location of PCO	Award Date	Date of First Delivery	QTY Each	Unit Cost \$000	Specs Avail Now?	Date Revsn Avail	RFP Issue Date
<b>Hardware, Army Modularity Transformation</b>										
FY 2008	GLOBAL SATCOM,(Hardware Mod) Gaithersburg, MD	IDIQ	Ft. Monmouth	Feb 08	Jul 08	15	1400	yes	n/a	awarded
FY 2009	GLOBAL SATCOM,(Hardware Mod) Gaithersburg, MD	IDIQ	Ft. Monmouth	Feb 09	Jul 09	16	1528	yes	n/a	awarded
FY 2010	CACI Tinton Falls	T&M	Ft. Monmouth	Feb 10	Jun 10	3	1538	yes	n/a	awarded
<b>Hardware SOF</b>										
FY 2008	Global SATCOM, (Hardware SOF) Gaithersburg, MD	IDIQ	Ft. Monmouth	Feb 08	Jul 08	1	567	yes	n/a	awarded
FY 2009	Global SATCOM, (Hardware SOF) Gaithersburg, MD	IDIQ	Ft. Monmouth	Feb 09	Jul 09	1	596	yes	n/a	awarded
FY 2010	CACI Tinton Falls	T&M	Ft. Monmouth	Feb 10	Jun 10	1	700	yes	n/a	awarded

REMARKS:

<b>Exhibit P-40, Budget Item Justification Sheet</b>	Date: May 2009
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Appropriation / Budget Activity / Serial No: Other Procurement, Army / 2 / Communications and Electronics Equipment	P-1 Item Nomenclature LIGHTWEIGHT COUNTER MORTAR RADAR (B05201)
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Program Elements for Code B Items: PE 0604823A L86	Code: B	Other Related Program Elements:
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	Prior Years	FY 2008	FY 2009	FY 2010	To Complete	Total Prog
Proc Qty						
Gross Cost	277.1	58.5	80.8	90.3	Continuing	Continuing
Less PY Adv Proc						
Plus CY Adv Proc						
Net Proc P1	277.1	58.5	80.8	90.3	Continuing	Continuing
Initial Spares						
Total Proc Cost	277.1	58.5	80.8	90.3	Continuing	Continuing
Flyaway U/C						
Weapon System Proc U/C					Continuing	Continuing

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

**Justification:**  
FY10 Base procurement dollars in the amount of \$31.661 million supports the procurement and test of nineteen (19) LCMR V3 systems.  
FY10 OCO procurement dollars in the amount of \$58.590 million supports the procurement and test of fifty-seven (57) LCMR V3 systems.

		FY2008	FY2009	FY2010
Active	QTY			
	Gross Cost	58512	72760	85195
National Guard	QTY			
	Gross Cost	0	8000	5056
Reserve	QTY			
	Gross Cost	0	0	0

<b>OPA2 Cost Elements</b>		ID	<b>FY 08</b>			<b>FY 09</b>			<b>FY 10</b>		
		CD	Total Cost	Qty	Unit Cost	Total Cost	Qty	Unit Cost	Total Cost	Qty	Unit Cost
			\$000	Units	\$000	\$000	Units	\$000	\$000	Units	\$000
Hardware (LCMR V2)			3402	15	227						
Hardware (LCMR V3)						48912	74	661	54731	76	720
Hardware (Non Recurring Engineering-V3)						2720					
Engineering Change Orders						1046			1625		
V2 Upgrade			42111			3257					
Testing			2191			5405			5391		
Integrated Logistics Support			1500			1675			1925		
Interim Contractor Support (ICS)			600			2584			5563		
Training Devices			1000								
System Engineering			2455			1873			1952		
Data						762			773		
Fielding			2131			10331			15567		
Program Management Support			3122			2195			2724		
<b>Total:</b>			<b>58512</b>			<b>80760</b>			<b>90251</b>		



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

Date:  
May 2009

WBS Cost Elements:	Contractor and Location	Contract Method and Type	Location of PCO	Award Date	Date of First Delivery	QTY Units	Unit Cost \$000	Specs Avail Now?	Date Revsn Avail	RFP Issue Date
<b>Hardware (LCMR V2)</b> FY 2008	SRC TEC North Syracuse, NY	SS/FFP	CECOM	Sep 08	Mar 09	15	227	Yes		
<b>Hardware (LCMR V3)</b> FY 2009	SRC TEC North Syracuse, NY	SS/FFP	CECOM	Sep 09	Sep 10	74	661	No		
FY 2010	SRC TEC North Syracuse, NY	SS/FFP	CECOM	Jan 10	Jan 11	76	720	No		

REMARKS:

<b>FY 09 / 10 BUDGET PRODUCTION SCHEDULE</b>	P-1 ITEM NOMENCLATURE LIGHTWEIGHT COUNTER MORTAR RADAR (B05201)	Date: May 2009
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COST ELEMENTS						Fiscal Year 09												Fiscal Year 10												Later
M F R	FY	S E R V	PROC QTY Each	ACCEP PRIOR TO 1 OCT	BAL DUE AS OF 1 OCT	Calendar Year 09												Calendar Year 10												
						O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	

Hardware (LCMR V2)																												
1	FY 08	A	15	0	15																							0

Hardware (LCMR V3)																														
2	FY 09	A	74	0	74													A										6	68	
2	FY 10	A	76	0	76															A									6	76

Total					165																							6	144
						O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P

M F R	Name - Location	PRODUCTION RATES			Reached D+	MFR	ADMIN LEAD TIME		MFR After 1 Oct	TOTAL After 1 Oct	REMARKS		
		MIN	1-8-5	MAX			1	Initial				Prior 1 Oct	After 1 Oct
1	SRC TEC, North Syracuse, NY	12	120	360		1	0	5	10	15			
							0	0	6	6			
2	SRC TEC, North Syracuse, NY	12	120	360		2	0	5	12	17			
							0	0	0	0			
3	TBD, TBD	12	120	360		3	0	5	12	17			
							0	0	0	0			
							Initial						
							Reorder						
							Initial						
							Reorder						

<b>Exhibit P-40, Budget Item Justification Sheet</b>						Date: May 2009
Appropriation / Budget Activity / Serial No: Other Procurement, Army / 2 / Communications and Electronics Equipment				P-1 Item Nomenclature WARLOCK (VA8000)		
Program Elements for Code B Items:		Code:	Other Related Program Elements:			
	Prior Years	FY 2008	FY 2009	FY 2010	To Complete	Total Prog
Proc Qty						
Gross Cost	630.6	135.3	354.5	164.4		1284.9
Less PY Adv Proc						
Plus CY Adv Proc						
Net Proc P1	630.6	135.3	354.5	164.4		1284.9
Initial Spares						
Total Proc Cost	630.6	135.3	354.5	164.4		1284.9
Flyaway U/C						
Weapon System Proc U/C						
<p><b>Description:</b>  The WARLOCK family of Electronic Counter Measure (ECM) systems is used to provide force protection. The WARLOCK family of systems currently in production/fielded includes the Counter Radio Controlled Improvised Explosive Devices (RCIED) Electronics Warfare CREW-2/Increment II system, a.k.a Warlock-Duke and CREW 2.1/CREW Vehicle Receiver Jammer (CVRJ)and the Mobile Multi-Band Jammers (MMBJ) 2.1 Systems. WARLOCK is designed to protect personnel, vehicle convoys and provide gate security from Radio Controlled Improvised Explosive Devices (RCIEDs).</p> <p><b>Justification:</b>  FY10 OCO dollars of \$164.435 million will procure CREW Upgrades and A-Kits for Army CREW systems.</p> <p>All dollars for the active component.</p>						

<b>OPA2 Cost Elements</b>		ID	<b>FY 08</b>			<b>FY 09</b>			<b>FY 10</b>		
		CD	Total Cost	Qty	Unit Cost	Total Cost	Qty	Unit Cost	Total Cost	Qty	Unit Cost
			\$000	Units	\$000	\$000	Units	\$000	\$000	Units	\$000
CREW Upgrades			95130	2985	31.87	198848	6214	32.00	140201	4800	29.21
NRE			5713								
FAT			1218								
Spares			16347			16292					
Integration			10145								
Testing			3847								
PMO Ops			2931								
Platform A-Kits						32089	6214	5.16	24234	4731	5.12
CREW 2.1 ECPs/Upgrades						107271					
<b>Total:</b>			<b>135331</b>			<b>354500</b>			<b>164435</b>		

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

Date:  
May 2009

Appropriation/Budget Activity/Serial No: Other Procurement, Army/ 2/ Communications and Electronics Equipment		Weapon System Type:	P-1 Line Item Nomenclature: WARLOCK (VA8000)							
WBS Cost Elements:	Contractor and Location	Contract Method and Type	Location of PCO	Award Date	Date of First Delivery	QTY Units	Unit Cost \$000	Specs Avail Now?	Date Revsn Avail	RFP Issue Date
<b>CREW Upgrades</b>										
FY 2008	SRC Syracuse, NY	SS/FFP	CECOM	May 08	Nov 08	184	32	Y		
FY 2008	SRC Syracuse, NY	SS/FFP	CECOM	Dec 08	Jan 09	2801	32	Y		
FY 2009	TBD TBD	Comp/FFP	CECOM	Sep 09	Feb 10	6214	32	Y		
FY 2010	TBD TBD	Option	CECOM	Oct 09	Sep 10	4800	29	Y		

REMARKS:

<b>FY 09 / 10 BUDGET PRODUCTION SCHEDULE</b>	P-1 ITEM NOMENCLATURE WARLOCK (VA8000)	Date: May 2009
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COST ELEMENTS						Fiscal Year 09												Fiscal Year 10												Later
M F R	FY	S E R V	PROC QTY Units	ACCEP PRIOR TO 1 OCT	BAL DUE AS OF 1 OCT	Calendar Year 09												Calendar Year 10												
						O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	

CREW Upgrades																																
1	FY 08	A	184	0	184		94	89	1																			0				
1	FY 08	A	2801	0	2801			A	347	359	812	1012	59	12	200													0				
1	FY 09	A	6214	0	6214														A					250	500	800	1000	1000	1000	1000	664	0
1	FY 10	A	4800	0	4800														A											336	4464	
Total					13999		94	89	348	359	812	1012	59	12	200									250	500	800	1000	1000	1000	1000	1000	4464
						O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P			

M F R	Name - Location	PRODUCTION RATES			Reached D+	MFR	ADMIN LEAD TIME		MFR After 1 Oct	TOTAL After 1 Oct	REMARKS	
		MIN	1-8-5	MAX			Prior 1 Oct	After 1 Oct				
1	SRC, Syracuse, NY	1200	14400	16800		1	Initial	0	8	0	8	Modification 01 to Delivery Order 0025 was terminated following protest. New Sole Source contract awarded in Dec 2008.
							Reorder	0	0	0	0	
2	TBD, TBD	1200	14440	16800		2	Initial	0	0	0	0	
							Reorder	0	0	0	0	
							Initial					
							Reorder					
							Initial					
							Reorder					

<b>FY 11 / 12 BUDGET PRODUCTION SCHEDULE</b>	P-1 ITEM NOMENCLATURE WARLOCK (VA8000)	Date: May 2009
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COST ELEMENTS					Fiscal Year 11										Fiscal Year 12										Later	
M F R	FY	S E R V	PROC QTY Units	ACCEP PRIOR TO 1 OCT	BAL DUE AS OF 1 OCT	Calendar Year 11										Calendar Year 12										
						O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	O C T	N O V	D E C	J A N	F E B	M A R	A P R		M A Y

CREW Upgrades																																		
1	FY 08	A	184	184																														0
1	FY 08	A	2801	2801																														0
1	FY 09	A	6214	6214																														0
1	FY 10	A	4800	336	4464	1000	1000	1000	1000	464																								0
Total					4464	1000	1000	1000	1000	464																								
						O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P					

M F R	Name - Location	PRODUCTION RATES			Reached D+	MFR	ADMIN LEAD TIME		MFR After 1 Oct	TOTAL After 1 Oct	REMARKS		
		MIN	1-8-5	MAX			1	Initial				Prior 1 Oct	After 1 Oct
1	SRC, Syracuse, NY	1200	14400	16800		1	Initial	0	8	0	8		
							Reorder	0	0	0	0		
2	TBD, TBD	1200	14440	16800		2	Initial	0	0	0	0		
							Reorder	0	0	0	0		
							Initial						
							Reorder						
							Initial						
							Reorder						
							Initial						
							Reorder						

<b>Exhibit P-40, Budget Item Justification Sheet</b>	Date: May 2009
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Appropriation / Budget Activity / Serial No: Other Procurement, Army / 2 / Communications and Electronics Equipment	P-1 Item Nomenclature COUNTERINTELLIGENCE/SECURITY COUNTERMEASURES (BL5283)
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Program Elements for Code B Items:	Code:	Other Related Program Elements:
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	Prior Years	FY 2008	FY 2009	FY 2010	To Complete	Total Prog
Proc Qty						
Gross Cost	242.9	150.0	170.8	127.3		691.0
Less PY Adv Proc						
Plus CY Adv Proc						
Net Proc P1	242.9	150.0	170.8	127.3		691.0
Initial Spares						
Total Proc Cost	242.9	150.0	170.8	127.3		691.0
Flyaway U/C						
Weapon System Proc U/C						

**Description:**  
 CLASSIFIED PROGRAM: INFORMATION IDENTIFIED IN VOL II OF THE JOINT MILITARY INTELLIGENCE PROGRAM CONGRESSIONAL JUSTIFICATION BOOK.  
  
 All funds are Active Component.



<b>Exhibit P-40, Budget Item Justification Sheet</b>						Date: May 2009
Appropriation / Budget Activity / Serial No: Other Procurement, Army / 2 / Communications and Electronics Equipment				P-1 Item Nomenclature CI MODERNIZATION (MIP) (BL5285)		
Program Elements for Code B Items:		Code:	Other Related Program Elements:			
	Prior Years	FY 2008	FY 2009	FY 2010	To Complete	Total Prog
Proc Qty						
Gross Cost		1.3	1.3	1.2	Continuing	Continuing
Less PY Adv Proc						
Plus CY Adv Proc						
Net Proc P1		1.3	1.3	1.2	Continuing	Continuing
Initial Spares						
Total Proc Cost		1.3	1.3	1.2	Continuing	Continuing
Flyaway U/C						
Weapon System Proc U/C					Continuing	Continuing
<b>Description:</b> The Counterintelligence (CI) Modernization effort provides resources for the sustainment of the CI IT infrastructure used by the FCIP CI components of the Army. This architecture and infrastructure includes shared databases, workstations, global communications, and adequate connectivity for FCIP-funded CI agents and specialists.						
<b>Justification:</b> FY2010 procures additional Broadband Global Area Network (BGAN) flyaway kits and engineer, furnish, install, and equip INMARSAT BGAN Point of Entry. Funds also provide for the acquisition of security and encryption devices to allow sensitive CI information to be properly transmitted and stored; minor equipment purchases; the repair and maintenance of automated data processing equipment; and related contract support.						

<b>Exhibit P-40, Budget Item Justification Sheet</b>						Date: May 2009
Appropriation / Budget Activity / Serial No: Other Procurement, Army / 2 / Communications and Electronics Equipment				P-1 Item Nomenclature SENTINEL MODS (WK5057)		
Program Elements for Code B Items:		Code:	Other Related Program Elements:			
	Prior Years	FY 2008	FY 2009	FY 2010	To Complete	Total Prog
Proc Qty						
Gross Cost	210.6	20.7	33.0	25.9	Continuing	Continuing
Less PY Adv Proc						
Plus CY Adv Proc						
Net Proc P1	210.6	20.7	33.0	25.9	Continuing	Continuing
Initial Spares						
Total Proc Cost	210.6	20.7	33.0	25.9	Continuing	Continuing
Flyaway U/C						
Weapon System Proc U/C					Continuing	Continuing
<b>Description:</b>						
<p>The Sentinel Radar is a Product Office in the Cruise Missile Defense System (CMDS) Project Office. Sentinel is the only ground based sensor available to the Division Commander with the mission to acquire, track, and identify Cruise Missiles (CM), Unmanned Aerial Vehicles (UAVs), helicopters, and fixed wing aircraft at low altitudes and to provide adequate target location to queue short range air defense weapons for engagement.</p> <p>The Sentinel system is used with the Forward Area Air Defense Command and Communication (FAAD C2) system to provide critical air surveillance of the forward areas. It automatically detects, tracks, classifies, identifies, and reports cruise missiles, UAVs, helicopters, and fixed wing aircraft. Sentinel consists of an advanced, three-dimensional, X-Band, phased-array radar with instrumented ranges of 40 kilometers, an Identification Friend or Foe (IFF) system, and FAAD C2 interfaces. Sentinel can operate day or night, in adverse weather conditions, and in battlefield environments of dust, smoke, aerosols, and enemy countermeasures. Sentinel provides 360-degree coverage for acquisition and tracking. Its primary mover and power is a High Mobility Multi-Purpose Wheel Vehicle (HMMWV) with a Mobile Electric Power (MEP) 813A 400 Megahertz (MHz) generator mounted on the vehicle. Sentinel is transportable without disassembly and can be marched-ordered and deployed by two soldiers.</p> <p>Sentinel provides targeting information on hovering to fast moving aerial platforms and those that are flying at altitudes from nap-of-the-earth to the maximum engagement altitude of short range air defense weapons. It acquires targets sufficiently forward of the defended forces or assets to improve short range air defense weapon reaction time and allow engagement at optimum ranges. The Sentinel IFF capability reduces the potential for fratricide. Sentinel supports the Army divisional, corps, and theater Air and Missile Defense (AMD) operations across the full spectrum of conflict.</p>						
<b>Justification:</b>						
FY2010 procures 12 Improved Sentinel Modification Kits to meet the Procurement Objective (PO) of 140 systems.						

<b>Exhibit P-40M, Budget Item Justification Sheet</b>						Date: May 2009
Appropriation / Budget Activity / Serial No: Other Procurement, Army / 2 / Communications and Electronics Equipment			P-1 Item Nomenclature SENTINEL MODS (WK5057)			
Program Elements for Code B Items:				Code:	Other Related Program Elements:	
Description		Fiscal Years				
OSIP No.	Classification	2008 & PR	FY 2009	FY 2010	TC	Total
Improved Sentinel						
111-11	Operational	147.2	33.0	25.9	0.0	206.1
TPX-57 (Mode 5 IFF)						
111-13	Operational	0.0	0.0	0.0	0.0	0.0
Joint Identification Kit						
111-12	Operational	0.0	0.0	0.0	0.0	0.0
Totals		147.2	33.0	25.9	0.0	206.1

**INDIVIDUAL MODIFICATION**

Date: May 2009

MODIFICATION TITLE: Improved Sentinel [MOD 1] 111-11

MODELS OF SYSTEM AFFECTED: Sentinel [AN/MPQ-64]

**DESCRIPTION / JUSTIFICATION:**

Improved Sentinel Modifications include waveform upgrades for the Receiver/Exciter; Target Classification upgrades/replacement of the current Sentinel transmitter with Power Amplifier Modules (PAM). The Exciter upgrades will provide low level Radio Frequency (RF) signal sufficient to support the acquisition and track of small cruise missile targets and generate of target classification waveforms. Receiver upgrades accomplish receipt and signal conditioning of low level RF signal prior to Analog/Digital (A/D) conversion sufficient to support the acquisition and track of small cruise missile targets and target classification. Variable rotation rate provides capability to slow the antenna rotation, increasing time on target to acquire and track small cruise missile targets and to provide flexible antenna positioning capability for target classification waveforms. Target classification efforts include software implementation of target classification capability to support beyond visual range engagements.

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

Improved Sentinel Modification Kit Development is completed. Ninety-six (96) Improved Sentinel kits have been procured as of the FY09 procurement.

**Installation Schedule**

	Pr Yr Totals	FY 2009				FY 2010				FY 2011				FY 2012				FY 2013			
		1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4
Inputs	62		3	3	3	3	3	4	5	5	5	3	3	3	3						
Outputs	56	6			6	6		6	6		6	6	6		4						

  

	FY 2014				FY 2015				FY 2016				FY 2017				To Complete	Totals
	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4		
Inputs																		108
Outputs																		108

METHOD OF IMPLEMENTATION: Contractor's facility ADMINISTRATIVE LEADTIME: 3 months PRODUCTION LEADTIME: 16 months  
 Contract Dates: FY 2010 - Jan 10 FY 2011 - FY 2012 -  
 Delivery Dates: FY 2010 - Apr 11 FY 2011 - FY 2012 -

**INDIVIDUAL MODIFICATION**

Date: May 2009

MODIFICATION TITLE (cont): Improved Sentinel [MOD 1] 111-11

FINANCIAL PLAN: (\$ in Millions)

	FY 2008 and Prior		2009		2010		TC		Total	
	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$
	<b>RDT&amp;E</b>		79.2							
<b>Procurement</b>										
Kit Quantity										
Installation Kits	77	124.6	19	27.1	12	21.5			108	173.2
Installation Kits, Nonrecurring										
Equipment										
Equipment, Nonrecurring										
Engineering Change Orders										
Data										
Training Equipment										
Support Equipment										
Other		21.8		5.8		4.2				31.8
Interim Contractor Support										
<b>Installation of Hardware</b>										
FY 2008 & Prior Equip -- 77 Kits	56	0.8	12	0.1	9	0.1			77	1.0
FY 2009 Equip -- 19 Kits					9	0.1	10		19	0.1
FY 2010 Equip -- 12 Kits							12		12	
<b>Total Installment</b>	56	0.8	12	0.1	18	0.2	22	0.0	108	1.1
<b>Total Procurement Cost</b>		147.2		33.0		25.9		0.0		206.1

<b>Exhibit P-40, Budget Item Justification Sheet</b>					Date: May 2009	
Appropriation / Budget Activity / Serial No: Other Procurement, Army / 2 / Communications and Electronics Equipment				P-1 Item Nomenclature SENSE THROUGH THE WALL (STTW) (KA2300)		
Program Elements for Code B Items:		Code:	Other Related Program Elements: 64710A DL67			
	Prior Years	FY 2008	FY 2009	FY 2010	To Complete	Total Prog
Proc Qty						
Gross Cost				25.4		25.4
Less PY Adv Proc						
Plus CY Adv Proc						
Net Proc P1				25.4		25.4
Initial Spares						
Total Proc Cost				25.4		25.4
Flyaway U/C						
Weapon System Proc U/C						
<b>Description:</b> Sense Through The Wall (STTW) (AN/PPS-26) is a lightweight, handheld sensor that provides dismounted Soldiers with the capability to detect and locate targets through walls from a standoff distance of 20 meters. The AN/PPS-26 provides near real time detection and location of moving and stationary targets behind obstructions. The AN/PPS-26 system depicts range and bearing to concealed targets using an iconic based display to represent detected targets. The AN/PPS-26 enables decisive maneuver in urban terrain and enhances the Warfighter's senses with relevant situational awareness to engage threat personnel within buildings. The AN/PPS-26 supports enhanced force protection and improved local situational awareness at the lowest tactical echelon during Military Operations on Urban Terrain (MOUT).						
<b>Justification:</b> FY 2010 Base funding in the amount \$25.352 million procures 1450 AN/PPS-26 systems. These systems will also support the Army's Modularity Campaign and the Grow the Army initiative.						

<b>Exhibit P-5, Weapon OPA2 Cost Analysis</b>	Appropriation/Budget Activity/Serial No: Other Procurement, Army / 2 / Communications and Electronics Equipment	P-1 Line Item Nomenclature: SENSE THROUGH THE WALL (STTW) (KA2300)			Weapon System Type:	Date: May 2009					
<b>OPA2 Cost Elements</b>		ID	<b>FY 08</b>			<b>FY 09</b>			<b>FY 10</b>		
		CD	Total Cost	Qty	Unit Cost	Total Cost	Qty	Unit Cost	Total Cost	Qty	Unit Cost
			\$000	Each	\$000	\$000	Each	\$000	\$000	Each	\$000
<b>Sense Through The Wall (STTW)</b>											
STTW Hardware									21605	1450	14.900
Government Engineering Support									675		
Program Management Admin									1265		
Fielding									440		
Interim Contractor Support									375		
Testing									992		
<b>Total:</b>									<b>25352</b>		

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

Date:  
May 2009

Appropriation/Budget Activity/Serial No: Other Procurement, Army/ 2/ Communications and Electronics Equipment			Weapon System Type:		P-1 Line Item Nomenclature: SENSE THROUGH THE WALL (STTW) (KA2300)						
WBS Cost Elements:	Contractor and Location	Contract Method and Type	Location of PCO	Award Date	Date of First Delivery	QTY Each	Unit Cost \$000	Specs Avail Now?	Date Revsn Avail	RFP Issue Date	
<b>Sense Through The Wall (STTW)</b> FY 2010	TBS TBD	C/FP	RDECOM	Sep 10	Jan 11	1450	14.900	Yes			

REMARKS:



**FY 10 / 11 BUDGET PRODUCTION SCHEDULE**

P-1 ITEM NOMENCLATURE  
SENSE THROUGH THE WALL (STTW) (KA2300)

Date: May 2009

COST ELEMENTS						Fiscal Year 10												Fiscal Year 11												Later
MFR	FY	S E R V	PROC QTY Each	ACCEP PRIOR TO 1 OCT	BAL DUE AS OF 1 OCT	Calendar Year 10												Calendar Year 11												
						O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	
STTW Hardware																														
1	FY 10	A	1450	0	1450													A												
Total					1450																									
					O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P		

MFR	Name - Location	PRODUCTION RATES			Reached D+	MFR	ADMIN LEAD TIME		MFR After 1 Oct	TOTAL After 1 Oct	REMARKS		
		MIN	1-8-5	MAX			Prior 1 Oct	After 1 Oct					
		1	Initial	Reorder			3	5	4	9			
1	TBS, TBD	70	150	500	120	1	Initial	Reorder	3	5	4	9	
							Initial	Reorder					
							Initial	Reorder					
							Initial	Reorder					
							Initial	Reorder					
							Initial	Reorder					
							Initial	Reorder					



Exhibit P-40, Budget Item Justification Sheet						Date: May 2009	
Appropriation / Budget Activity / Serial No: Other Procurement, Army / 2 / Communications and Electronics Equipment				P-1 Item Nomenclature NIGHT VISION DEVICES (KA3500)			
Program Elements for Code B Items:		Code:	Other Related Program Elements:				
	Prior Years	FY 2008	FY 2009	FY 2010	To Complete	Total Prog	
Proc Qty	87735	77952	84487	67095		317269	
Gross Cost	3023.1	743.0	570.3	460.0	Continuing	Continuing	
Less PY Adv Proc							
Plus CY Adv Proc							
Net Proc P1	3023.1	743.0	570.3	460.0	Continuing	Continuing	
Initial Spares							
Total Proc Cost	3023.1	743.0	570.3	460.0	Continuing	Continuing	
Flyaway U/C							
Weapon System Proc U/C	0.0	0.0	0.0	0.0	Continuing	Continuing	
<b>Description:</b>							
Night Vision Devices (KA3500) is a summary budget line including the following programs:							
(1) K36400 - The AN/PVS-14 Monocular Night Vision Device (MNVD) is a lightweight, head or helmet-mounted night vision goggle consisting of a single objective lens assembly, state-of-the-art image intensifier technology, and an eyepiece lens assembly. The AN/PSQ-20, Enhanced Night Vision Goggle (ENVG(O)) is a lightweight, helmet-mounted device consisting of a state-of-the-art image intensifier sensor, an uncooled long-wave infrared camera, and a miniature display to provide high resolution fused imagery to the individual Soldier. AN/PSQ-20 provides the Soldier with significantly improved situational awareness over existing image intensified devices in all light levels, adverse weather, and obscured battlefield conditions. The AN/PVS-14 and AN/PSQ-20 support the tactical level of war; enabling the individual Soldier to see, understand, and act first, permitting superior tactical mobility and decisive engagement during limited visibility conditions. The ENVG will provide the ability to maintain battlefield dominance and to win the close-in fight with individual combatant overmatch, by allowing for operations under all visibility conditions and across the full spectrum of conflict and battlefield environments. The ENVG, Digital (ENVG(D)) is a lightweight, helmet-mounted device consisting of a digital low light level sensor and uncooled long-wave infrared sensor. The system processes sensor imagery to improve situational awareness that is displayed to the Soldier on a micro display. As a digital system, it sends these images to systems connected to the digital battlefield such as Ground Soldier System. The system can also receive and display imagery from other digital systems. This digital technology will enable a whole new arena of tactical and situational awareness capabilities.							
(2) K35000 - The AN/PEQ-15 and 15A Multi Function Aiming Light (MFAL) is a small, lightweight integrated IR aiming light Infrared illuminator and have the additional capability of a visible (red) laser. The AN/PEQ-15 and 15A is capable of being used as a hand held device or can be mounted on most small arms, individual and crew served weapon systems (M4, M16, M249, M240B, M2, MK19, etc.). The AN/PEQ-15 and 15A are compatible with currently fielded Night Vision Goggles (AN/PVS-7B/D, AN/PVS-14, and AN/PSQ-20).							
(3) K31300 - AN/VAS-5 Driver's Vision Enhancer (DVE) provides drivers of combat and tactical wheeled vehicles with the capability of continuing operations during conditions of darkness or degraded visibility. The DVE is designed to provide low-cost thermal imagery that increases the user's mobility in moderate rain, snow, or fog, either day or night, and in battlefield obscurants (dust or smoke). The DVE provides situational awareness, vehicle tracking, and allows combat and combat support elements to move as an integrated force.							
(4) B53800 - This program provides funding to procure Commercial Off the Shelf (COTS) Laser Target Locating Systems (LTLS) to address operational shortcomings of the AN/PVS-6, Mini Eye-Safe Laser Infrared Observation Set (MELIOS). The LTLS is a hand held device that determines range, azimuth and vertical angle to a target and digitally transmits the data to a Global Positioning System (GPS) receiver for calculation of target grid coordinates. The GPS receiver can be either internal or external to the LTLS. LTLS also digitally transmits data to fire support C4I systems for digital transmission of call for fire. These systems also employ both external or internal image intensification or thermal night sights, which provide the Soldier a distinct advantage during battlefield situations.							

<b>Exhibit P-40, Budget Item Justification Sheet</b>		Date: May 2009
Appropriation / Budget Activity / Serial No: Other Procurement, Army / 2 / Communications and Electronics Equipment		P-1 Item Nomenclature NIGHT VISION DEVICES (KA3500)
Program Elements for Code B Items:	Code:	Other Related Program Elements:
<p>(5) K41500 - The AN/PVS-26 for the M110 Semi-Automatic Sniper System (SASS) utilizes passive third generation image intensification technology for night operations. The Long Range Sniper Night Sight (LRSNS) for the .50 cal Long Range Sniper Rifle (LRSR) is a thermal sight. It utilizes second generation Forward Looking Infrared (FLIR) technology for operations at night or in limited visibility/obscured battlefield conditions. The Future Short Range Sniper Night Sight (FSRSNS) for the M110 SASS and the Future Long Range Sniper Sight (FLRSNS) will utilize technology currently under development for operations 24 hours per day, in all weather, and in obscured battlefield conditions. The Sniper Night Sight (SNS) supports the tactical level of war enabling the individual Sniper to see, understand, and act first. The SNS provides the Sniper with the capability to acquire and engage targets at extended ranges. Without the night sight, the Sniper will not have the capability to engage and eliminate threat Snipers, materiel, and thin skinned armored vehicle targets under low light and night conditions. The night sight allows the Sniper to engage enemy personnel and/or enemy vehicles, command and control centers, and other targets at an increased stand-off distance even during low light and night conditions, thus increasing the Sniper's survivability and lethality.</p> <p><b>Justification:</b>  FY 2010 Base funding in the amount of \$366.820 million will continue procurement of AN/PVS-14, ENVG(O), AN/PEQ-15 and 15A, AN/PVS-26, and Laser Target Locating Systems. Also, it will initiate the procurement of the ENVG(D), and both the FSRNS and the FLRSNS.</p> <p>FY 2010 Overseas Contingency Funding (OCO) funding in the amount of \$93.183 million will procure Laser Target Locating Systems, AN/PVS-14's and DVE's to repair irreparable items and to fill shortages in RESET due to high wear out rate with deployed units.</p>		

<b>Exhibit P-5, Weapon OPA2 Cost Analysis</b>		Appropriation/Budget Activity/Serial No: Other Procurement, Army / 2 / Communications and Electronics Equipment			P-1 Line Item Nomenclature: NIGHT VISION DEVICES (KA3500)			Weapon System Type:		Date: May 2009	
<b>OPA2 Cost Elements</b>		ID	<b>FY 08</b>			<b>FY 09</b>			<b>FY 10</b>		
		CD	Total Cost	Qty	Unit Cost	Total Cost	Qty	Unit Cost	Total Cost	Qty	Unit Cost
			\$000	Each	\$000	\$000	Each	\$000	\$000	Each	\$000
Helmet Mounted Enhanced Vision Device			483080			419913			341007		
Multi-functional Aiming Light			72584			28855			26123		
Night Vision, Driver's Vision Enhancer			46445			35000			10888		
Night Vision, Sniper Night Sight			20598			18193			14218		
Laser Target Locator System			120304			68351			67767		
<b>Total:</b>			<b>743011</b>			<b>570312</b>			<b>460003</b>		

<b>Exhibit P-40, Budget Item Justification Sheet</b>	Date: May 2009
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Appropriation / Budget Activity / Serial No: Other Procurement, Army / 2 / Communications and Electronics Equipment	P-1 Item Nomenclature Laser Target Locator Systems (B53800)
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Program Elements for Code B Items:	Code:	Other Related Program Elements:
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	Prior Years	FY 2008	FY 2009	FY 2010	To Complete	Total Prog
Proc Qty	20660	3417	1945	1436		27458
Gross Cost	696.1	120.3	68.4	67.8		952.5
Less PY Adv Proc						
Plus CY Adv Proc						
Net Proc P1	696.1	120.3	68.4	67.8		952.5
Initial Spares						
Total Proc Cost	696.1	120.3	68.4	67.8		952.5
Flyaway U/C						
Weapon System Proc U/C	0.0	0.0	0.0	0.0		0.2

**Description:**  
This program provides funding to procure Commercial Off the Shelf (COTS) Laser Target Locator (LTL) to address operational shortcomings of the AN/PVS-6, Mini Eye-Safe Laser Infrared Observation Set (MELIOS). The LTL is a hand held device that determines range, azimuth and vertical angle to a target and digitally transmits the data to an external Global Positioning System (GPS) receiver for calculation of target grid coordinates. The LTL digitally transmits data to fire support C4I systems for digital transmission of call for fire. The LTL systems employ either external or internal Image Intensification for limited night operations. The Laser Target Locator Module (LTLM) adds an internal GPS and replaces the Image Intensifier night sight with a Thermal Imager. The internal GPS improves safety, targeting accuracy, and ease and speed of operation. The Thermal Imager improves target acquisition, resulting in fourfold increase in detection range and a twofold increase in recognition range. In addition, the Thermal Imager provides target acquisition capability in dust, adverse weather conditions and other common battlefield environments that render the Image Intensifier ineffective.

**Justification:**  
FY10 Base funding in the amount of \$27.767 million will procure 540 Laser Target Locators. The systems will be fielded in accordance with the HQDA priority listing.

FY10 Overseas Contingency Operations (OCO) funding in the amount of \$40.000 million will procure 896 Laser Target Locators to replace irreparable MELIOS.

		FY2008	FY2009	FY2010
Active	QTY			
	Gross Cost	\$113,804	\$68,247	\$62,829
National Guard	QTY			
	Gross Cost	\$4,836	\$0	\$3,018
Reserve	QTY			
	Gross Cost	\$1,664	\$104	\$1,920

<b>Exhibit P-5, Weapon OPA2 Cost Analysis</b>		Appropriation/Budget Activity/Serial No: Other Procurement, Army / 2 / Communications and Electronics Equipment			P-1 Line Item Nomenclature: Laser Target Locator Systems (B53800)			Weapon System Type:		Date: May 2009	
<b>OPA2 Cost Elements</b>		ID	<b>FY 08</b>			<b>FY 09</b>			<b>FY 10</b>		
		CD	Total Cost	Qty	Unit Cost	Total Cost	Qty	Unit Cost	Total Cost	Qty	Unit Cost
			\$000	Units	\$000	\$000	Units	\$000	\$000	Units	\$000
LASER TARGET LOCATOR SYSTEMS											
VECTOR 21			27352	1393	19.635	17335	832	20.835			
Laser Target Locator (Base)			90395	2024	44.662	8962	201	44.587	24117	540	44.661
Laser Target Locator (OCO)						40565	908	44.675	40000	896	44.643
Project Management Admin			250			276			250		
Engineering Support			1399			1004			1000		
Fielding			250			125			900		
Testing			250			84			600		
ECO									300		
Integrated Logistics Support			408						600		
<b>Total:</b>			<b>120304</b>			<b>68351</b>			<b>67767</b>		

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

Date:  
May 2009

Appropriation/Budget Activity/Serial No: Other Procurement, Army/ 2/ Communications and Electronics Equipment		Weapon System Type:	P-1 Line Item Nomenclature: Laser Target Locator Systems (B53800)							
WBS Cost Elements:	Contractor and Location	Contract Method and Type	Location of PCO	Award Date	Date of First Delivery	QTY Units	Unit Cost \$000	Specs Avail Now?	Date Revsn Avail	RFP Issue Date
<b>VECTOR 21</b>										
FY 2008	Ashbury, Int'l Group Sterling, VA	C/IDIQ	RDECOM	Mar 08	Jun 08	1393	19.635	Yes		
FY 2009	Ashbury, Int'l Group Sterling, VA	C/IDIQ	RDECOM	Mar 09	Sep 09	832	20.835	Yes		
<b>Laser Target Locator (Base)</b>										
FY 2008	TBS TBD	C/IDIQ	RDECOM	Apr 09	Apr 10	2024	44.662	Yes		
FY 2009	TBS TBD	C/IDIQ	RDECOM	Apr 09	Apr 10	201	44.587	Yes		
FY 2010	TBS TBD	C/IDIQ	RDECOM	Feb 10	Feb 11	540	44.661	Yes		
<b>Laser Target Locator (OCO)</b>										
FY 2009	TBS TBD	C/IDIQ	RDECOM	Jul 09	Jul 10	908	44.675	Yes		
FY 2010	TBS TBD	C/IDIQ	RDECOM	Feb 10	Feb 11	896	44.643	Yes		

REMARKS:



<b>FY 09 / 10 BUDGET PRODUCTION SCHEDULE</b>														P-1 ITEM NOMENCLATURE Laser Target Locator Systems (B53800)										Date: May 2009			
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COST ELEMENTS						Fiscal Year 09										Fiscal Year 10										Later
MFR	FY	S E R V	PROC QTY Units	ACCEP PRIOR TO 1 OCT	BAL DUE AS OF 1 OCT	Calendar Year 09										Calendar Year 10										
						O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	

VECTOR 21																														
1	FY 08	A	1393	464	929	116	116	116	116	116	116	116	117																	0
1	FY 09	A	832	0	832							A																		0

Laser Target Locator (Base)																														
2	FY 08	A	2024	0	2024							A																		0
2	FY 09	A	201	0	201							A																		0
2	FY 10	A	540	0	540																									0

Laser Target Locator (OCO)																														
2	FY 09	A	908	0	908																									0
2	FY 10	A	896	0	896																									0

Total					6330	116	116	116	116	116	116	116	117																	3323
						O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	

MFR	Name - Location	PRODUCTION RATES				Reached D+	MFR	ADMIN LEAD TIME		MFR After 1 Oct	TOTAL After 1 Oct	REMARKS
		MIN	1-8-5	MAX	Prior 1 Oct			After 1 Oct				
		1	Ashbury, Int'l Group, Sterling, VA		200			500	120	1	6	
							1	3	6	9		
2	TBS, TBD	40	250	350	120	2	6	16	12	28		
							1	3	12	15		

<b>FY 11 / 12 BUDGET PRODUCTION SCHEDULE</b>										P-1 ITEM NOMENCLATURE Laser Target Locator Systems (B53800)										Date: May 2009	
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COST ELEMENTS					Fiscal Year 11												Fiscal Year 12												Later	
MFR	FY	S E R V	PROC QTY Units	ACCEP PRIOR TO 1 OCT	BAL DUE AS OF 1 OCT	Calendar Year 11												Calendar Year 12												
						O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G		S E P
VECTOR 21																														
1	FY 08	A	1393	1393																								0		
1	FY 09	A	832	832																								0		
Laser Target Locator (Base)																														
2	FY 08	A	2024	920	1104	184	184	184	184	184	184																	0		
2	FY 09	A	201	98	103	17	17	17	17	17	18																	0		
2	FY 10	A	540	0	540					45	45	45	45	45	45	45	45	45	45	45	45	45						0		
Laser Target Locator (OCO)																														
2	FY 09	A	908	228	680	76	76	76	76	76	76	76	76	72														0		
2	FY 10	A	896	0	896					75	75	75	75	75	75	75	75	75	75	75	75	71						0		
Total					3323	277	277	277	277	397	398	196	196	192	120	120	120	120	120	120	116									
					O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P		

MFR	Name - Location	PRODUCTION RATES				Reached D+	MFR	ADMIN LEAD TIME		MFR After 1 Oct	TOTAL After 1 Oct	REMARKS
		MIN	1-8-5	MAX	Prior 1 Oct			After 1 Oct				
		1	Ashbury, Int'l Group, Sterling, VA		200	500	120	1	Initial	6	8	
							Reorder	1	3	6	9	
2	TBS, TBD	40	250	350	120	2	Initial	6	16	12	28	
							Reorder	1	3	12	15	
							Initial					
							Reorder					
							Initial					
							Reorder					
							Initial					
							Reorder					

<b>Exhibit P-40, Budget Item Justification Sheet</b>	Date: May 2009
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Appropriation / Budget Activity / Serial No: Other Procurement, Army / 2 / Communications and Electronics Equipment	P-1 Item Nomenclature DRIVER VISION ENHANCER (DVE) (K31300)
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Program Elements for Code B Items:	Code:	Other Related Program Elements:
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	Prior Years	FY 2008	FY 2009	FY 2010	To Complete	Total Prog
Proc Qty	5963	200				6163
Gross Cost	142.1	46.4	35.0	10.9		234.4
Less PY Adv Proc						
Plus CY Adv Proc						
Net Proc P1	142.1	46.4	35.0	10.9		234.4
Initial Spares						
Total Proc Cost	142.1	46.4	35.0	10.9		234.4
Flyaway U/C						
Weapon System Proc U/C	0.1					0.1

**Description:**  
The Driver's Vision Enhancer (DVE) is an uncooled thermal imaging system developed for use on combat and tactical wheeled vehicles. The DVE allows for tactical movement of combat vehicles in support of their operational missions in all environmental conditions (day/night and all weather). DVE facilitates mobility providing enhanced driving capability during limited visibility conditions (darkness, smoke, dust, fog). Addressing these mobility requirements increases the combat effectiveness of military forces.

**Justification:**  
FY 2010 Base funding in the amount of \$0.185 million will complete fielding efforts.  
FY 2010 OCO funding in the amount of \$10.703 million will complete fielding efforts.

		FY2008	FY2009	FY2010
Active	QTY			
	Gross Cost	\$44,945	\$35,000	\$10,888
National Guard	QTY			
	Gross Cost	\$1,500	\$0	\$0
Reserve	QTY			
	Gross Cost	\$0	\$0	\$0

<b>OPA2 Cost Elements</b>		ID	<b>FY 08</b>			<b>FY 09</b>			<b>FY 10</b>		
		CD	Total Cost	Qty	Unit Cost	Total Cost	Qty	Unit Cost	Total Cost	Qty	Unit Cost
			\$000	Each	\$000	\$000	Each	\$000	\$000	Each	\$000
AN/VAS-5 Driver's Vision Enhancer (DVE)		A	4430	200	22						
Ancillary Equipment											
Program Management Admin			1000			2000			185		
Engineering Support			3000								
Engineering Change Orders											
Testing											
Fielding			4563			2000			10703		
Other			33452			31000					
<b>Total:</b>			<b>46445</b>			<b>35000</b>			<b>10888</b>		

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

Date:  
May 2009

Appropriation/Budget Activity/Serial No: Other Procurement, Army/ 2/ Communications and Electronics Equipment			Weapon System Type:		P-1 Line Item Nomenclature: DRIVER VISION ENHANCER (DVE) (K31300)						
WBS Cost Elements:	Contractor and Location	Contract Method and Type	Location of PCO	Award Date	Date of First Delivery	QTY Each	Unit Cost \$000	Specs Avail Now?	Date Revsn Avail	RFP Issue Date	
AN/VAS-5 Driver's Vision Enhancer (DVE) FY 2008	TBD TBD	C/FP	CECOM	May 09	Jan 10	200	22	Yes			

REMARKS:

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

AN/VAS-5 Driver's Vision Enhancer (DVE)																																								
1	FY 08	A		200	0	200																																		
Total																																								

MFR	Name - Location	PRODUCTION RATES			Reached D+	MFR	ADMIN LEAD TIME		MFR After 1 Oct	TOTAL After 1 Oct	REMARKS
		MIN	1-8-5	MAX			Prior 1 Oct	After 1 Oct			
1	TBD, TBD	50	400	1000		1	0	7	8	15	

**FY 11 / 12 BUDGET PRODUCTION SCHEDULE**

P-1 ITEM NOMENCLATURE  
DRIVER VISION ENHANCER (DVE) (K31300)

Date: May 2009

COST ELEMENTS						Fiscal Year 11													Fiscal Year 12													Later
MFR	FY	SERV	PROC QTY Units	ACCEP PRIOR TO 1 OCT	BAL DUE AS OF 1 OCT	Calendar Year 11													Calendar Year 12													
						OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP			
AN/VAS-5 Driver's Vision Enhancer (DVE)																																
1	FY 08	A	200	152	48	16	16	16																				0				
Total						48	16	16	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			

MFR	Name - Location	PRODUCTION RATES			Reached D+	MFR	ADMIN LEAD TIME		MFR After 1 Oct	TOTAL After 1 Oct	REMARKS	
		MIN	1-8-5	MAX			Prior 1 Oct	After 1 Oct				
1	TBD, TBD	50	400	1000		1	Initial	0	7	8	15	
							Reorder	0	0	0	0	
							Initial					
							Reorder					
							Initial					
							Reorder					
							Initial					
							Reorder					
							Initial					
							Reorder					

<b>Exhibit P-40, Budget Item Justification Sheet</b>					Date: May 2009	
Appropriation / Budget Activity / Serial No: Other Procurement, Army / 2 / Communications and Electronics Equipment				P-1 Item Nomenclature Multi-Function Aiming Light (K35000)		
Program Elements for Code B Items:		Code:	Other Related Program Elements:			
	Prior Years	FY 2008	FY 2009	FY 2010	To Complete	Total Prog
Proc Qty	175543	97224	34539	32841	Continuing	Continuing
Gross Cost	207.1	72.6	28.9	26.1	Continuing	Continuing
Less PY Adv Proc						
Plus CY Adv Proc						
Net Proc P1	207.1	72.6	28.9	26.1	Continuing	Continuing
Initial Spares						
Total Proc Cost	207.1	72.6	28.9	26.1	Continuing	Continuing
Flyaway U/C						
Weapon System Proc U/C	0.0	0.0	0.0	0.0	Continuing	Continuing
<b>Description:</b> The AN/PEQ-15 and 15A are Multi Function Aiming Light (MFAL) is a small, lightweight integrated Infrared (IR) aiming light and illuminator and has the additional capability of a visible Laser (red,green, etc.). The AN/PEQ-15 and 15A are capable of being used as a hand held device or can be mounted on most small arms, individual and crew served weapon systems (M4, M16, M249, M240B, M2, MK19, etc.). The AN/PEQ-15 and 15A are compatible with currently fielded Night Vision Goggles (AN/PVS-7B/D, AN/PVS-14, and AN/PSQ-20). A new system, ANPEQ-16A has the same functions as the AN/PEQ-15 and 15A, but adds an integrated white light capability. As the AN/PEQ 15/15A proliferates throughout the Army, they will replace the AN/PAQ-4C working towards achieving a more uniform systemic capability.						
<b>Justification:</b> FY2010 Base funding in the amount of \$26.123 million will procure 32,841 Aiming Lights for units deploying in support of Overseas Contingency Operations (OCO). These systems will also support the Army's Modularity Campaign and the Grow the Army initiative.						
		FY2008	FY2009	FY2010		
Active	QTY					
	Gross Cost	\$67,338	\$17,709	\$13,953		
National Guard	QTY					
	Gross Cost	\$4,954	\$10,983	\$11,345		
Reserve	QTY					
	Gross Cost	\$292	\$163	\$825		



<b>OPA2 Cost Elements</b>		ID	<b>FY 08</b>			<b>FY 09</b>			<b>FY 10</b>		
		CD	Total Cost	Qty	Unit Cost	Total Cost	Qty	Unit Cost	Total Cost	Qty	Unit Cost
			\$000	Each	\$000	\$000	Each	\$000	\$000	Each	\$000
ATPIAL (PEQ-15)			45355	67775	0.669	16220	23539	0.689	12451	18071	0.689
DBAL-A2 (PEQ-15A)			24219	29449	0.822	9363	11000	0.851	12451	14770	0.843
Program Management Support			1027			300			400		
Fielding									250		
Engineering Change Orders (ECO)			64			221			225		
Testing			319			358			346		
LED Weapons Light			1600								
Crew Served Weapons Lights						2393					
<b>Total:</b>			<b>72584</b>			<b>28855</b>			<b>26123</b>		

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

Date:  
May 2009

WBS Cost Elements:	Contractor and Location	Contract Method and Type	Location of PCO	Award Date	Date of First Delivery	QTY Each	Unit Cost \$000	Specs Avail Now?	Date Revsn Avail	RFP Issue Date
<b>ATPIAL (PEQ-15)</b>										
FY 2008	Insight Technology (PEQ-15) Londonderry, NH	C/FP	RDECOM	Feb 08	Oct 08	45153	0.669	Yes		
FY 2008	Insight Technology (PEQ-15) Londonderry, NH	C/FP	RDECOM	Aug 08	Jan 09	22622	0.669	Yes		
FY 2009	Insight Technology (PEQ-15) Londonderry, NH	C/FP	RDECOM	Dec 08	Aug 09	23687	0.660	Yes		
FY 2010	Insight Technology (PEQ-15) Londonderry, NH	C/FP	RDECOM	Dec 09	Feb 10	18071	0.689	Yes		
<b>DBAL-A2 (PEQ-15A)</b>										
FY 2008	LDI (PEQ-15A) Monterey, CA	C/FP	RDECOM	Jan 08	Mar 08	5001	0.822	Yes		
FY 2008	LDI (PEQ-15A) Monterey, CA	C/FP	RDECOM	Feb 08	Aug 08	5028	0.822	Yes		
FY 2008	LDI (PEQ-15A) Monterey, CA	C/FP	RDECOM	Sep 08	Dec 08	19420	0.822	Yes		
FY 2009	LDI (PEQ-15A) Monterey, CA	C/FP	RDECOM	Dec 08	Jan 09	10329	0.820	Yes		
FY 2010	LDI (PEQ-15A) Monterey, CA	C/FP	RDECOM	Dec 09	Jan 10	14770	0.843	Yes		

REMARKS:

<b>FY 09 / 10 BUDGET PRODUCTION SCHEDULE</b>	P-1 ITEM NOMENCLATURE Multi-Function Aiming Light (K35000)	Date: May 2009
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COST ELEMENTS						Fiscal Year 09													Fiscal Year 10													Later
M F R	FY	S E R V	PROC QTY Each	ACCEP PRIOR TO 1 OCT	BAL DUE AS OF 1 OCT	Calendar Year 09													Calendar Year 10													
						O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P			
ATPIAL (PEQ-15)																																
2	FY 08	A	45153	0	45153	2272	4000	4000	4000	4000	4000	4000	4000	4000	4000	4000	2881												0			
2	FY 08	A	22622	0	22622				595	3000	2000	1000	500	500	500	500	1119	4000	4000	4908									0			
2	FY 09	A	23539	0	23539			A									1961	1961	1961	1961	1961	1961	1961	1961	1961	1961	1961	1968	0			
2	FY 10	A	18071	0	18071															A		1505	1505	1505	1505	1505	1505	1505	6031			
DBAL-A2 (PEQ-15A)																																
1	FY 08	A	5001	5001																									0			
1	FY 08	A	19420	0	19420			1500	1750	1750	2000	1974	2100	2100	2100	2100	2046												0			
1	FY 08	A	5028	1800	3228	1100	1100	1028																					0			
1	FY 09	A	11000	0	11000			A	916	916	916	916	916	916	916	918	918	918	918										0			
1	FY 10	A	14770	0	14770															A	1343	1343	1343	1343	1343	1343	1343	1343	2683			
Total					157803	3372	5100	6528	7261	9666	8916	7890	7516	7516	7516	9477	8925	6879	6879	7787	3304	4809	4809	4809	4809	4809	4809	4816	2848	2848	8714	
						O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P			

M F R	Name - Location	PRODUCTION RATES			Reached D+	MFR	ADMIN LEAD TIME		MFR After 1 Oct	TOTAL After 1 Oct	REMARKS	
		MIN	1-8-5	MAX			Prior 1 Oct	After 1 Oct				
1	LDI (PEQ-15A), Monterey, CA	200	900	4000	120	1	Initial	1	3	2	5	Lead time and delivery schedule will vary based on MFR production requirements.
						1	Reorder	1	2	1	3	
2	Insight Technology (PEQ-15), Londonderry, NH	250	900	7000	120	2	Initial	6	4	8	12	
						1	Reorder	1	2	1	3	
							Initial					
							Reorder					
							Initial					
							Reorder					

<b>FY 11 / 12 BUDGET PRODUCTION SCHEDULE</b>	P-1 ITEM NOMENCLATURE Multi-Function Aiming Light (K35000)	Date: May 2009
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COST ELEMENTS						Fiscal Year 11												Fiscal Year 12												Later																					
M F R	FY	S E R V	PROC QTY Each	ACCEP PRIOR TO 1 OCT	BAL DUE AS OF 1 OCT	Calendar Year 11												Calendar Year 12																																	
						O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P																						
ATPIAL (PEQ-15)																																																			
2	FY 08	A	45153	45153																									0																						
2	FY 08	A	22622	22622																									0																						
2	FY 09	A	23539	23539																									0																						
2	FY 10	A	18071	12040	6031	2010	2010	2011																					0																						
DBAL-A2 (PEQ-15A)																																																			
1	FY 08	A	5001	5001																									0																						
1	FY 08	A	5028	5028																									0																						
1	FY 08	A	19420	19420																									0																						
1	FY 09	A	11000	11000																									0																						
1	FY 10	A	14770	12087	2683	1343	1340																						0																						
Total					8714	3353	3350	2011																																											
<table border="0" style="width:100%;"> <tr> <td style="text-align: center;">O C T</td> <td style="text-align: center;">N O V</td> <td style="text-align: center;">D E C</td> <td style="text-align: center;">J A N</td> <td style="text-align: center;">F E B</td> <td style="text-align: center;">M A R</td> <td style="text-align: center;">A P R</td> <td style="text-align: center;">M A Y</td> <td style="text-align: center;">J U N</td> <td style="text-align: center;">J U L</td> <td style="text-align: center;">A U G</td> <td style="text-align: center;">S E P</td> <td style="text-align: center;">O C T</td> <td style="text-align: center;">N O V</td> <td style="text-align: center;">D E C</td> <td style="text-align: center;">J A N</td> <td style="text-align: center;">F E B</td> <td style="text-align: center;">M A R</td> <td style="text-align: center;">A P R</td> <td style="text-align: center;">M A Y</td> <td style="text-align: center;">J U N</td> <td style="text-align: center;">J U L</td> <td style="text-align: center;">A U G</td> <td style="text-align: center;">S E P</td> </tr> </table>																												O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P
O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P																												

M F R	Name - Location	PRODUCTION RATES			Reached D+	MFR	ADMIN LEAD TIME		MFR After 1 Oct	TOTAL After 1 Oct	REMARKS	
		MIN	1-8-5	MAX			Prior 1 Oct	After 1 Oct				
1	LDI (PEQ-15A), Monterey, CA	200	900	4000	120	1	Initial	1	3	2	5	Lead time and delivery schedule will vary based on MFR production requirements.
							Reorder	1	2	1	3	
2	Insight Technology (PEQ-15), Londonderry, NH	250	900	7000	120	2	Initial	6	4	8	12	
							Reorder	1	2	1	3	
							Initial					
							Reorder					
							Initial					
							Reorder					

<b>Exhibit P-40, Budget Item Justification Sheet</b>						Date: May 2009
Appropriation / Budget Activity / Serial No: Other Procurement, Army / 2 / Communications and Electronics Equipment				P-1 Item Nomenclature Helmet Mounted Enhanced Vision Devices (K36400)		
Program Elements for Code B Items:		Code:	Other Related Program Elements: 64710 A DL67			
	Prior Years	FY 2008	FY 2009	FY 2010	To Complete	Total Prog
Proc Qty	406957	146910	75819	31719	Continuing	Continuing
Gross Cost	1941.7	483.1	419.9	341.0	Continuing	Continuing
Less PY Adv Proc						
Plus CY Adv Proc						
Net Proc P1	1941.7	483.1	419.9	341.0	Continuing	Continuing
Initial Spares						
Total Proc Cost	1941.7	483.1	419.9	341.0	Continuing	Continuing
Flyaway U/C						
Weapon System Proc U/C	0.0	0.0	0.0	0.0	Continuing	Continuing
<b>Description:</b>						
<p>The AN/PVS-14 Monocular Night Vision Device (MNVD) is a lightweight, head or helmet-mounted night vision goggle consisting of a single objective lens assembly, state-of-the-art image intensifier sensor, and an eyepiece lens assembly. The AN/PVS-7Bs will begin cascading from the field with AN/PVS-14s procured in FY09. The AN/PSQ-20, Enhanced Night Vision Goggle (ENVG(O)) is a lightweight, helmet-mounted device consisting of a state-of-the-art image intensifier sensor, an uncooled long-wave infrared camera, and a miniature display to provide high resolution fused imagery to the individual Soldier. The AN/PSQ-20 provides the Soldier with significantly improved situational awareness over existing image intensified devices in all light levels, adverse weather, and obscured battlefield conditions. The AN/PVS-14 and AN/PSQ-20 support the tactical level of war; enabling the individual Soldier to see, understand, and act first, permitting superior tactical mobility and decisive engagement during limited visibility conditions. The ENVG will provide the ability to maintain battlefield dominance and to win the close-in fight with individual combatant overmatch, by allowing for operations under all visibility conditions and across the full spectrum of conflict and battlefield environments. These systems support the Army's modularity and Grow the Army initiatives in accordance with the Army Campaign Plan.</p> <p>The AN/PSQ-23 Small Tactical Optical Rifle Mounted (STORM) Micro-Laser Range Finder (mLRF) is a weapon-mounted multi-function laser system. It provides an eye safe laser range finder, digital compass, Infrared (IR) and visible aiming lights, and an IR illuminator for far target location with continuous range, accuracy, weight and power performance capabilities.</p>						
<b>Justification:</b>						
FY2010 Base funding in the amount of \$299.007 million will procure 19,072 AN/PSQ-20s. The Army will field AN/PSQ-20s to Special Operators and other HQDA select priority units.						
FY2010 OCO funding in the amount of \$42.000 million will procure 11,447 AN/PVS-14s. This procurement will fill shortages in RESET units due to the high wear out rate with deployed units.						

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

Date: May 2009

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

P-1 Item Nomenclature  
Helmet Mounted Enhanced Vision Devices (K36400)

Program Elements for Code B Items:

Code:

Other Related Program Elements:  
64710 A DL67

		FY2008	FY2009	FY2010
Active	QTY			
	Gross Cost	\$330,457	\$226,088	\$144,796
National Guard	QTY			
	Gross Cost	\$136,560	\$169,959	\$167,350
Reserve	QTY			
	Gross Cost	\$16,063	\$23,866	\$28,861

<b>OPA2 Cost Elements</b>		ID	<b>FY 08</b>			<b>FY 09</b>			<b>FY 10</b>		
		CD	Total Cost	Qty	Unit Cost	Total Cost	Qty	Unit Cost	Total Cost	Qty	Unit Cost
			\$000	Each	\$000	\$000	Each	\$000	\$000	Each	\$000
AN/PVS-14 (Base)		A	416247	144957	2.872	214685	58513	3.669			
AN/PVS-14 (OCO)									42000	11447	3.669
AN/PSQ-20 (ENVG)			26425	1953	13.530	144924	17306	8.374	250662	19072	13.143
Engineering Support			704			528			989		
Project Management Admin			2628			3122			4762		
Fielding			19092			21612			24427		
Testing						526			544		
Contractor Logistics Support						21320			17623		
System Power Reduction			4500								
MX2A			1600								
AN/PSQ-23 (STORM)			11884	881	13.364	3196	213	15.005			
AN/PSQ-23 (STORM) (OCO)						10000	698	14.327			
<b>Total:</b>			<b>483080</b>			<b>419913</b>			<b>341007</b>		

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

Date:  
May 2009

Appropriation/Budget Activity/Serial No: Other Procurement, Army/ 2/ Communications and Electronics Equipment	Weapon System Type:	P-1 Line Item Nomenclature: Helmet Mounted Enhanced Vision Devices (K36400)								
WBS Cost Elements:	Contractor and Location	Contract Method and Type	Location of PCO	Award Date	Date of First Delivery	QTY Each	Unit Cost \$000	Specs Avail Now?	Date Revsn Avail	RFP Issue Date
<b>AN/PVS-14 (Base)</b>										
FY 2008	ITT (AN/PVS-14) ROANOKE, VA	C/FP	RDECOM	Dec 07	Sep 09	28916	2.872	Yes		
FY 2008	L-3 EOS (AN/PVS-14) TEMPE, AZ	C/FP	RDECOM	Dec 07	Feb 09	12710	2.872	Yes		
FY 2008	ITT (AN/PVS-14) ROANOKE, VA	C/FP	RDECOM	Jun 08	Jan 10	12714	2.872	Yes		
FY 2008	L-3 EOS (AN/PVS-14) TEMPE, AZ	C/FP	RDECOM	Jun 08	Apr 09	5625	2.872	Yes		
FY 2008	ITT (AN/PVS-14) ROANOKE, VA	C/FP	RDECOM	Sep 08	Oct 10	62444	2.872	Yes		
FY 2008	L-3 EOS (AN/PVS-14) TEMPE, AZ	C/FP	RDECOM	Sep 08	Apr 10	22548	2.872	Yes		
FY 2009	ITT (AN/PVS-14) ROANOKE, VA	C/FP	RDECOM	Feb 09	Sep 11	40959	3.669	Yes		
FY 2009	L-3 EOS (AN/PVS-14) TEMPE, AZ	C/FP	RDECOM	Feb 09	Jan 11	17554	3.669	Yes		
<b>AN/PVS-14 (OCO)</b>										
FY 2010	ITT (AN/PVS-14) ROANOKE, VA	C/FP	RDECOM	Oct 09	Jun 11	6868	3.699	Yes		
FY 2010	L-3 EOS (AN/PVS-14) TEMPE, AZ	C/FP	RDECOM	Oct 09	Jun 11	4579	3.699	Yes		
<b>AN/PSQ-20 (ENVG)</b>										
FY 2008	ITT (AN/PSQ-20) ROANOKE, VA	C/FP	RDECOM	Apr 08	Apr 09	1953	13.530	Yes		
FY 2009	ITT (AN/PSQ-20) ROANOKE, VA	C/FP	RDECOM	Apr 09	Apr 10	17306	8.374	Yes		
FY 2010	ITT (AN/PSQ-20) ROANOKE, VA	C/FP	RDECOM	Mar 10	Mar 11	13350	13.143	Yes		
FY 2010	TBS (AN/PSQ-20) TBD	C/FP	RDECOM	Mar 10	Mar 11	5722	13.143	No	Nov 09	Dec 09
<b>AN/PSQ-23 (STORM)</b>										
FY 2008	Insight Technology Londonberry, NH	C/FP	RDECOM	Sep 08	May 09	881	13.364	Yes		
FY 2009	Insight Technology	C/FP	RDECOM	Jan 09	Jun 09	213	15.005	Yes		



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

Date:  
May 2009

Appropriation/Budget Activity/Serial No: Other Procurement, Army/ 2/ Communications and Electronics Equipment		Weapon System Type:	P-1 Line Item Nomenclature: Helmet Mounted Enhanced Vision Devices (K36400)								
WBS Cost Elements:	Contractor and Location		Contract Method and Type	Location of PCO	Award Date	Date of First Delivery	QTY Each	Unit Cost \$000	Specs Avail Now?	Date Revsn Avail	RFP Issue Date
AN/PSQ-23 (STORM) (OCO) FY 2009	Londonberry, NH  Insight Technology Londonberry, NH		C/FP	RDECOM	Jun 09	Nov 09	698	14.327	Yes		

REMARKS: Unit cost is an average based on quantity of systems procured.

<b>FY 09 / 10 BUDGET PRODUCTION SCHEDULE</b>	P-1 ITEM NOMENCLATURE Helmet Mounted Enhanced Vision Devices (K36400)	Date: May 2009
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COST ELEMENTS						Fiscal Year 09													Fiscal Year 10													Later	
M F R	FY	S E R V	PROC QTY Units	ACCEP PRIOR TO 1 OCT	BAL DUE AS OF 1 OCT	Calendar Year 09													Calendar Year 10														
						O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P				
AN/PVS-14 (Base)																																	
1	FY 08	A	28916	0	28916													1270	2663	2659	2659	2659	2434	2432	2428	2428	2428	2428	2428	0			
2	FY 08	A	12710	0	12710					110	110	110	110	821	1567	1483	1393	1408	1422	1437	1337	1402								0			
2	FY 08	A	5625	0	5625							75	115	115	115	115	115	210	210	275	1475	1405	1400							0			
1	FY 08	A	12714	0	12714																	1272	1272	1272	1272	1271	1271	1271	1271	1271	1271		
1	FY 08	A	62444	0	62444																									62444			
2	FY 08	A	22548	0	22548																				1756	1890	1890	1890	1890	1890	11342		
1	FY 09	A	40959	0	40959																									40959			
2	FY 09	A	17554	0	17554																									17554			
AN/PVS-14 (OCO)																																	
1	FY 10	A	6868	0	6868																									6868			
2	FY 10	A	4579	0	4579																									4579			
AN/PSQ-20 (ENVG)																																	
3	FY 08	A	1953	0	1953																									0			
3	FY 09	A	17306	0	17306																						150	300	450	600	922	1200	13684
4	FY 10	A	5722	0	5722																									5722			
						O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P				

M F R	Name - Location	PRODUCTION RATES				Reached D+	MFR	ADMIN LEAD TIME		MFR After 1 Oct	TOTAL After 1 Oct	REMARKS
		MIN	1-8-5	MAX	Prior 1 Oct			After 1 Oct				
									Initial			
1	ITT (AN/PVS-14), ROANOKE, VA	5000	5000	9000	120	1	4	2	21	23	AN/PVS-14 production minimum covered by other services and logistics readiness center spares not represented in delivery schedule	
						2	1	8	19	27		
2	L-3 EOS (AN/PVS-14), TEMPE, AZ	400	1250	5400	120	2	4	2	14	16		
3	ITT (AN/PSQ-20), ROANOKE, VA	200	850	2700	120	3	1	8	10	18		
4	TBS (AN/PSQ-20), TBD	200	850	1500	120	3	1	6	12	18		
5	Insight Technology, Londonberry, NH	25	100	300	120	3	1	4	12	16		
						4	1	5	12	17		
						4	1	5	12	17		
						5	2	4	8	12		
						5	1	3	5	8		

<b>FY 09 / 10 BUDGET PRODUCTION SCHEDULE</b>	P-1 ITEM NOMENCLATURE Helmet Mounted Enhanced Vision Devices (K36400)	Date: May 2009
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COST ELEMENTS	Fiscal Year 09	Fiscal Year 10
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M F R	FY	S E R V	PROC QTY Units	ACCEP PRIOR TO 1 OCT	BAL DUE AS OF 1 OCT	Calendar Year 09														Calendar Year 10										Later
						O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	

AN/PSQ-23 (STORM)

5	FY 08	A	881	0	881										73	73	73	73	73	73	73	73	73	73	73	73	73	78							0
5	FY 09	A	213	0	213					A						19	19	19	19	19	19	19	19	19	20	20	20	20							0

AN/PSQ-23 (STORM) (OCO)

5	FY 09	A	698	0	698										A																					58	58	58	58	58	58	58	58	58	58	58	58	58	58	58	58	58	58	59	59
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Total

					255040					110	110	347	460	1190	1936	1853	3033	4536	4604	4684	7057	6827	5419	5762	5947	6097	6247	6569	4420	177832								

M F R	Name - Location	PRODUCTION RATES			Reached D+	MFR	ADMIN LEAD TIME		MFR After 1 Oct	TOTAL After 1 Oct	REMARKS	
		MIN	1-8-5	MAX			Prior 1 Oct	After 1 Oct				
1	ITT (AN/PVS-14), ROANOKE, VA	5000	5000	9000	120	1	Initial	4	2	21	23	AN/PVS-14 production minimum covered by other services and logistics readiness center spares not represented in delivery schedule
							Reorder	1	8	19	27	
2	L-3 EOS (AN/PVS-14), TEMPE, AZ	400	1250	5400	120	2	Initial	4	2	14	16	
3	ITT (AN/PSQ-20), ROANOKE, VA	200	850	2700	120		Reorder	1	8	10	18	
4	TBS (AN/PSQ-20), TBD	200	850	1500	120	3	Initial	1	6	12	18	
5	Insight Technology, Londonberry, NH	25	100	300	120		Reorder	1	4	12	16	
						4	Initial	1	5	12	17	
							Reorder	1	5	12	17	
						5	Initial	2	4	8	12	
							Reorder	1	3	5	8	

<b>FY 11 / 12 BUDGET PRODUCTION SCHEDULE</b>	P-1 ITEM NOMENCLATURE Helmet Mounted Enhanced Vision Devices (K36400)	Date: May 2009
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COST ELEMENTS						Fiscal Year 11														Fiscal Year 12														Later			
M F R	FY	S E R V	PROC QTY Units	ACCEP PRIOR TO 1 OCT	BAL DUE AS OF 1 OCT	Calendar Year 11														Calendar Year 12																	
						O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P								
AN/PVS-14 (Base)																																					
2	FY 08	A	12710	12710																															0		
1	FY 08	A	28916	28916																															0		
1	FY 08	A	12714	11443	1271	1271																													0		
2	FY 08	A	5625	5625																																0	
1	FY 08	A	62444	0	62444	3241	4184	4806	4806	5256	5530	5471	5830	5830	5830	5830	5830																			0	
2	FY 08	A	22548	11206	11342	1890	1890	1890	1890	1891	1891																									0	
1	FY 09	A	40959	0	40959																															0	
2	FY 09	A	17554	0	17554				1463	1463	1463	1463	1463	1463	1463	1463	1463	1463	1463	1463	1463	1463	1463	1463	1463	1463	1463	1463	1463	1463	1463	1463	1463	1463	0		
AN/PVS-14 (OCO)																																					
1	FY 10	A	6868	0	6868																															0	
2	FY 10	A	4579	0	4579																															0	
AN/PSQ-20 (ENVG)																																					
3	FY 08	A	1953	1953																																0	
3	FY 09	A	17306	3622	13684	1500	2440	2440	2440	2440	2424																									0	
4	FY 10	A	5722	0	5722																																0
						O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P								

M F R	Name - Location	PRODUCTION RATES				Reached D+	MFR	ADMIN LEAD TIME		MFR After 1 Oct	TOTAL After 1 Oct	REMARKS
		MIN	1-8-5	MAX	Prior 1 Oct			After 1 Oct				
1	IIT (AN/PVS-14), ROANOKE, VA	5000	5000	9000	120	1	Initial	4	2	21	23	AN/PVS-14 production minimum covered by other services and logistics readiness center spares not represented in delivery schedule
							Reorder	1	8	19	27	
2	L-3 EOS (AN/PVS-14), TEMPE, AZ	400	1250	5400	120	2	Initial	4	2	14	16	
							Reorder	1	8	10	18	
3	IIT (AN/PSQ-20), ROANOKE, VA	200	850	2700	120	3	Initial	1	6	12	18	
							Reorder	1	4	12	16	
4	TBS (AN/PSQ-20), TBD	200	850	1500	120	4	Initial	1	5	12	17	
							Reorder	1	5	12	17	
5	Insight Technology, Londonberry, NH	25	100	300	120	5	Initial	2	4	8	12	
							Reorder	1	3	5	8	



<b>Exhibit P-40, Budget Item Justification Sheet</b>						Date:	May 2009
Appropriation / Budget Activity / Serial No: Other Procurement, Army / 2 / Communications and Electronics Equipment				P-1 Item Nomenclature SNIPER NIGHT SIGHT (K41500)			
Program Elements for Code B Items:		Code:	Other Related Program Elements: 64710A DL67				
	Prior Years	FY 2008	FY 2009	FY 2010	To Complete	Total Prog	
Proc Qty	63920	1928	1240	1276	Continuing	Continuing	
Gross Cost	231.4	20.6	18.2	14.2	Continuing	Continuing	
Less PY Adv Proc							
Plus CY Adv Proc							
Net Proc P1	231.4	20.6	18.2	14.2		284.5	
Initial Spares							
Total Proc Cost	231.4	20.6	18.2	14.2	Continuing	Continuing	
Flyaway U/C							
Weapon System Proc U/C	0.0	0.0	0.0	0.0	Continuing	Continuing	
<b>Description:</b> The AN/PVS-29 for the M110 Semi-Automatic Sniper System (SASS) utilizes passive third generation image intensification technology for night operations. The AN/PAS-13 - Long Range Sniper Night Sight (LRSNS) for the .50 cal Long Range Sniper Rifle (LRSR) is a thermal sight. It utilizes second generation Forward Looking Infrared (FLIR) technology for operations at night or in limited visibility/obscured battlefield conditions. The Sniper Night Sight (SNS) supports the tactical level of war enabling the individual Sniper to see, understand, and act first. The SNS provides the Sniper with the capability to acquire and engage targets at extended ranges. Without the night sight, the Sniper will not have the capability to engage and eliminate threat Snipers, materiel, and thin skinned armored vehicle targets under low light and night conditions. The night sight allows the Sniper to engage enemy personnel and/or enemy vehicles, command and control centers, and other targets at an increased stand-off distance even during low light and night conditions, thus increasing the Sniper's survivability and lethality.							
<b>Justification:</b> FY2010 Base funding in the amount of \$13.738 million will procure 1,220 AN/PVS-29 night sights for use during night operations or in low light conditions to mount on the M110 Semi-Automatic Sniper System (SASS) being fielded to the United States Army Active, Reserves, and National Guard Sniper teams. (The AN/PVS-29 sight is for use by the Sniper to provide capability to detect, recognize and engage enemy targets with an increased probability of incapacitation during low light conditions and at night.) FY2010 OCO funding in the amount of \$0.480 million will procure 51 AN/PVS-29 for the Reserve component equipment replacement.							
		FY2008	FY2009	FY2010			
Active	QTY						
	Gross Cost	\$15,672	\$12,070	\$7,894			
National Guard	QTY						
	Gross Cost	\$4,336	\$6,123	\$6,324			
Reserve	QTY						
	Gross Cost	\$590	\$0	\$0			

<b>OPA2 Cost Elements</b>		ID	<b>FY 08</b>			<b>FY 09</b>			<b>FY 10</b>		
		CD	Total Cost	Qty	Unit Cost	Total Cost	Qty	Unit Cost	Total Cost	Qty	Unit Cost
			\$000	Each	\$000	\$000	Each	\$000	\$000	Each	\$000
Long Range Night Sight (AN/PAS-13)			18499	1928	9.594						
AN/PVS-29 (BASE)						15838	1685	9.399	11945	1271	9.398
Program Management Admin			193			136			200		
Engineering Support						245					
Interim Contract Support			98			397			299		
Fielding			1070			1577			1362		
ECP			195						275		
Testing			543						137		
<b>Total:</b>			<b>20598</b>			<b>18193</b>			<b>14218</b>		

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

Date:  
May 2009

Appropriation/Budget Activity/Serial No: Other Procurement, Army/ 2/ Communications and Electronics Equipment		Weapon System Type:	P-1 Line Item Nomenclature: SNIPER NIGHT SIGHT (K41500)							
WBS Cost Elements:	Contractor and Location	Contract Method and Type	Location of PCO	Award Date	Date of First Delivery	QTY Each	Unit Cost \$000	Specs Avail Now?	Date Revsn Avail	RFP Issue Date
<b>Long Range Night Sight (AN/PAS-13)</b>										
FY 2008	BAE Lexington, MA	C/FP	RDECOM	Jan 08	Mar 09	734	9.594	Yes		
FY 2008	BAE Lexington, MA	C/FP	RDECOM	Jul 08	Jan 09	1194	9.594	Yes		
<b>AN/PVS-29 (BASE)</b>										
FY 2009	TBS (AN/PVS-29) TBD	C/FP	RDECOM	Sep 09	Sep 10	1685	9.399	Yes		
FY 2010	TBS (AN/PVS-29) TBD	C/FP	RDECOM	Jan 10	Jan 11	1220	9.398	Yes		
<b>AN/PVS-29 (OCO)</b>										
FY 2010	TBS (AN/PVS-29) TBD	C/FP	RDECOM	Jan 10	Jan 11	51	9.412	Yes		

REMARKS:



<b>FY 08 / 09 BUDGET PRODUCTION SCHEDULE</b>	P-1 ITEM NOMENCLATURE SNIPER NIGHT SIGHT (K41500)	Date: May 2009
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COST ELEMENTS						Fiscal Year 08										Fiscal Year 09										Later
MFR	FY	S E R V	PROC QTY Units	ACCEP PRIOR TO 1 OCT	BAL DUE AS OF 1 OCT	Calendar Year 08										Calendar Year 09										
						O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	

Long Range Night Sight (AN/PAS-13)																												
1	FY 08	A	1194	0	1194																							0
1	FY 08	A	734	0	734				A																			320

AN/PVS-29 (BASE)																												
2	FY 09	A	1685	0	1685																							A 1685
2	FY 10	A	1220	0	1220																							1220

AN/PVS-29 (OCO)																												
2	FY 10	A	51	0	51																							51

Total					4884																													

MFR	Name - Location	PRODUCTION RATES				Reached D+	MFR	ADMIN LEAD TIME		MFR After 1 Oct	TOTAL After 1 Oct	REMARKS
		MIN	1-8-5	MAX	Prior 1 Oct			After 1 Oct				
		1	BAE, Lexington, MA	750	1500			5000	457			
							Reorder	1	9	6	15	
2	TBS (AN/PVS-29), TBD	100	200	300	180	2	Initial	4	7	12	19	
							Reorder	2	3	12	15	
							Initial					
							Reorder					
							Initial					
							Reorder					
							Initial					
							Reorder					
							Initial					
							Reorder					

<b>FY 10 / 11 BUDGET PRODUCTION SCHEDULE</b>	P-1 ITEM NOMENCLATURE SNIPER NIGHT SIGHT (K41500)	Date: May 2009
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COST ELEMENTS						Fiscal Year 10												Fiscal Year 11												Later
M F R	FY	S E R V	PROC QTY Units	ACCEP PRIOR TO 1 OCT	BAL DUE AS OF 1 OCT	Calendar Year 10												Calendar Year 11												
						O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	

Long Range Night Sight (AN/PAS-13)																																	
1	FY 08	A	1194	1194																													0
1	FY 08	A	734	414	320	64	64	64	64	64																						0	

AN/PVS-29 (BASE)																															
2	FY 09	A	1685	0	1685													140	140	140	140	140	140	140	141	141	141	141	141		0
2	FY 10	A	1220	0	1220				A												102	102	102	102	102	102	102	102	102	102	302

AN/PVS-29 (OCO)																																
2	FY 10	A	51	0	51				A																							0

Total					3276	64	64	64	64	64								140	140	140	140	293	242	242	243	243	243	243	243	102	302
						O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P		

M F R	Name - Location	PRODUCTION RATES				Reached D+	MFR	ADMIN LEAD TIME		MFR After 1 Oct	TOTAL After 1 Oct	REMARKS
		MIN	1-8-5	MAX	Prior 1 Oct			After 1 Oct				
1	BAE, Lexington, MA	750	1500	5000	457	1	Initial	4	3	11	14	This program uses the TWS production line for the procurement of Long Range Sniper Night Sights (LRSNS).
							Reorder	1	9	6	15	
2	TBS (AN/PVS-29), TBD	100	200	300	180	2	Initial	4	7	12	19	
							Reorder	2	3	12	15	
							Initial					
							Reorder					
							Initial					
							Reorder					
							Initial					
							Reorder					

<b>FY 12 / 13 BUDGET PRODUCTION SCHEDULE</b>	P-1 ITEM NOMENCLATURE SNIPER NIGHT SIGHT (K41500)	Date: May 2009
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COST ELEMENTS					Fiscal Year 12												Fiscal Year 13												Later	
M F R	FY	S E R V	PROC QTY Units	ACCEP PRIOR TO 1 OCT	BAL DUE AS OF 1 OCT	Calendar Year 12												Calendar Year 13												
						O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G		S E P
Long Range Night Sight (AN/PAS-13)																														
1	FY 08	A	1194	1194																									0	
1	FY 08	A	734	734																									0	
AN/PVS-29 (BASE)																														
2	FY 09	A	1685	1685																									0	
2	FY 10	A	1220	918	302	102	100	100																					0	
AN/PVS-29 (OCO)																														
2	FY 10	A	51	51																									0	
Total					302	102	100	100																						
					O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P		

M F R	Name - Location	PRODUCTION RATES				Reached D+	MFR	ADMIN LEAD TIME		MFR After 1 Oct	TOTAL After 1 Oct	REMARKS
		MIN	1-8-5	MAX	1			2				
1	BAE, Lexington, MA	750	1500	5000	457	1	Initial	4	3	11	14	
							Reorder	1	9	6	15	
2	TBS (AN/PVS-29), TBD	100	200	300	180	2	Initial	4	7	12	19	
							Reorder	2	3	12	15	
							Initial					
							Reorder					
							Initial					
							Reorder					
							Initial					
							Reorder					

<b>Exhibit P-40, Budget Item Justification Sheet</b>	Date: May 2009
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Appropriation / Budget Activity / Serial No: Other Procurement, Army / 2 / Communications and Electronics Equipment	P-1 Item Nomenclature LONG RANGE ADVANCED SCOUT SURVEILLANCE SYSTEM (K38300)
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Program Elements for Code B Items:	Code:	Other Related Program Elements: 0604710 DL74
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	Prior Years	FY 2008	FY 2009	FY 2010	To Complete	Total Prog
Proc Qty	1280	293	400	242		2215
Gross Cost	1578.5	150.9	204.2	133.8		2067.4
Less PY Adv Proc						
Plus CY Adv Proc						
Net Proc P1	1578.5	150.9	204.2	133.8		2067.4
Initial Spares						
Total Proc Cost	1578.5	150.9	204.2	133.8		2067.4
Flyaway U/C						
Weapon System Proc U/C	1.2	0.5	0.5	0.6		2.8

**Description:**  
The Long Range Advanced Scout Surveillance System (LRAS3) is a long range reconnaissance and surveillance system which operates in both a stationary vehicle mounted configuration and in an autonomous dismounted configuration. The LRAS3 is a multi-function, line-of-sight target acquisition common sensor suite which provides real-time target detection, recognition, and identification capability 24 hours a day in all weather conditions. LRAS3 also automatically determines Far Target Location (FTL) coordinates for any target ranged to by the operator. LRAS3 enables information superiority by interfacing with Force XXI Battle Command Brigade and Below (FBCB2) to provide target acquisition and FTL information. LRAS3 utilizes the Horizontal Technology Integration (HTI) Second Generation FLIR (SGF) thermal sensor, enabling 24 hour a day operation in adverse weather and penetration of battlefield obscurants. LRAS3 significantly increases the survivability of forces through its standoff capability, allowing them to continue their mission as the eyes of the maneuver commander on the battlefield. The LRAS3 is a key enabling technology and has been a critical combat overmatch capability for the Army units in combat in Iraq and Afghanistan. The LRAS3 continues to support emerging requirements from Operation Iraqi Freedom and Operation Enduring Freedom; for example, the Mine Resistant Ambush Protected (MRAP) vehicle and developing a networked-enabled (netted sensors) technology insertion capability.

**Justification:**  
FY 2010 procures LRAS3s that will be fielded to the 82nd Airborne Division, 1st Cavalry Division, 1st Infantry Division, 10th Mountain Division, and sixteen (16) Army National Guard (ARNG) Brigade Combat Teams (BCTs).

		FY2008	FY2009	FY2010
Active	QTY			
	Gross Cost	\$89,693	\$155,960	\$58,342
National Guard	QTY			
	Gross Cost	\$61,218	\$48,202	\$75,494
Reserve	QTY			
	Gross Cost	\$0	\$0	\$0

<b>Exhibit P-5, Weapon OPA2 Cost Analysis</b>	Appropriation/Budget Activity/Serial No: Other Procurement, Army / 2 / Communications and Electronics Equipment	P-1 Line Item Nomenclature: LONG RANGE ADVANCED SCOUT SURVEILLANCE SYSTEM (K38300)			Weapon System Type:			Date: May 2009			
<b>OPA2 Cost Elements</b>		ID	<b>FY 08</b>			<b>FY 09</b>			<b>FY 10</b>		
		CD	Total Cost	Qty	Unit Cost	Total Cost	Qty	Unit Cost	Total Cost	Qty	Unit Cost
			\$000	Units	\$000	\$000	Units	\$000	\$000	Units	\$000
LRAS3	A	114630	293	391	165434	400	414	102234	242	422	
Installation Equipment											
Engineering Support		4537			4936			5017			
Project Management Admin		1513			1645			1672			
Engineering Change Orders		3752			4517			4887			
Testing		1610			1660			851			
Fielding		5395			5497			5043			
Initial Spares		19474			20473			14132			
<b>Total:</b>		<b>150911</b>			<b>204162</b>			<b>133836</b>			

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

Date:  
May 2009

Appropriation/Budget Activity/Serial No: Other Procurement, Army/ 2/ Communications and Electronics Equipment		Weapon System Type:	P-1 Line Item Nomenclature: LONG RANGE ADVANCED SCOUT SURVEILLANCE SYSTEM (K38300)							
WBS Cost Elements:	Contractor and Location	Contract Method and Type	Location of PCO	Award Date	Date of First Delivery	QTY Each	Unit Cost \$000	Specs Avail Now?	Date Revsn Avail	RFP Issue Date
<b>LRAS3</b>										
FY 2008	Raytheon Systems Co. McKinney, TX	SS/FPM5-2	CECOM	Jan 08	Jul 09	293	391	Yes		
FY 2009	Raytheon Systems Co. McKinney, TX	SS/FPM5-3	CECOM	Dec 08	Feb 10	400	414	Yes		
FY 2010	Raytheon Systems Co. McKinney, TX	SS/FPM5-4	CECOM	Dec 09	Feb 11	242	422	Yes		

REMARKS:

<b>FY 09 / 10 BUDGET PRODUCTION SCHEDULE</b>	P-1 ITEM NOMENCLATURE LONG RANGE ADVANCED SCOUT SURVEILLANCE SYSTEM (K38300)	Date: May 2009
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COST ELEMENTS						Fiscal Year 09												Fiscal Year 10												Later
M F R	FY	S E R V	PROC QTY Units	ACCEP PRIOR TO 1 OCT	BAL DUE AS OF 1 OCT	Calendar Year 09												Calendar Year 10												
						O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	

LRAS3																																
1	FY 08	A	293	0	293												10	41	41	43	31	22	31	16	25	33					0	
2	FY 09	A	400	0	400			A																21	18	5	48	36	40	39	40	153
3	FY 10	A	242	0	242																		A								242	
1	FY 08	OTH	167	0	167					7	7	9	9	9	9	9	7	7	8	19	13	7	2	2	3	5	6	5	5	15		
2	FY 09	OTH	120	0	120			A																	10		11	5	5	5	84	
					1222					7	7	9	9	9	19	50	50	50	38	30	50	50	50	50	50	50	50	50	50	50	494	
						O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P			

M F R	Name - Location	PRODUCTION RATES			Reached D+	MFR	ADMIN LEAD TIME		MFR After 1 Oct	TOTAL After 1 Oct	REMARKS	
		MIN	1-8-5	MAX			Prior 1 Oct	After 1 Oct				
1	Raytheon Systems Co., McKinney, TX	178	420	568		1	Initial	0	3	18	21	OTH - Other customer funded efforts include SBCT RV, SBCT FSV, Armored Knight and BFIST. Manufacturer 1 was used to display varying lead times. Awards in FY08 for Army and Other represent actual multiple awards during the fiscal year. Deliveries are aggregates for each of these awards and each delivery schedule is for twelve months or less, however the aggregate delivery schedule appears to be longer than the twelve month delivery period.
							Reorder	0	4	14	18	
2	Raytheon Systems Co., McKinney, TX	178	420	568		2	Initial	0	2	14	16	
							Reorder	0	4	14	18	
3	Raytheon Systems Co., McKinney, TX	178	420	568		3	Initial	0	2	14	16	
							Reorder	0	4	14	18	
							Initial					
							Reorder					
							Initial					
							Reorder					

<b>FY 11 / 12 BUDGET PRODUCTION SCHEDULE</b>	P-1 ITEM NOMENCLATURE LONG RANGE ADVANCED SCOUT SURVEILLANCE SYSTEM (K38300)	Date: May 2009
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COST ELEMENTS						Fiscal Year 11												Fiscal Year 12												Later
M F R	FY	S E R V	PROC QTY Units	ACCEP PRIOR TO 1 OCT	BAL DUE AS OF 1 OCT	Calendar Year 11												Calendar Year 12												
						O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	

LRAS3																																			
1	FY 08	A	293	293																															0
2	FY 09	A	400	247	153	38	31	23	40	21																									0
3	FY 10	A	242	0	242					11	38	36	35	35	35	35	17																		0
1	FY 08	OTH	167	152	15	5	5	5																											0
2	FY 09	OTH	120	36	84	7	2	2	10	8	2	4	5	5	5	5	5	5	5	5	5	5	4											0	
Total					494	50	38	30	50	40	40	40	40	40	40	22	5	5	5	5	4														
					O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P							

M F R	Name - Location	PRODUCTION RATES			Reached D+	MFR	ADMIN LEAD TIME		MFR After 1 Oct	TOTAL After 1 Oct	REMARKS		
		MIN	1-8-5	MAX			1	Initial				0	3
1	Raytheon Systems Co., McKinney, TX	178	420	568		1	Reorder	0	4	14	18	OTH - Other customer funded efforts include SBCT RV, SBCT FSV, Armored Knight and BFIST. Manufacturer 1 was used to display varying lead times. Awards in FY08 for Army and Other represent actual multiple awards during the fiscal year. Deliveries are aggregates for each of these awards and each delivery schedule is for twelve months or less, however the aggregate delivery schedule appears to be longer than the twelve month delivery period.	
2	Raytheon Systems Co., McKinney, TX	178	420	568		2	Initial	0	2	14	16		
3	Raytheon Systems Co., McKinney, TX	178	420	568		3	Reorder	0	4	14	18		
							Initial	0	2	14	16		
							Reorder	0	4	14	18		
							Initial						
							Reorder						
							Initial						



<b>Exhibit P-40, Budget Item Justification Sheet</b>						Date: May 2009
Appropriation / Budget Activity / Serial No: Other Procurement, Army / 2 / Communications and Electronics Equipment				P-1 Item Nomenclature NIGHT VISION, THERMAL WPN SIGHT (K22900)		
Program Elements for Code B Items:		Code:	Other Related Program Elements: 64710A DL67			
	Prior Years	FY 2008	FY 2009	FY 2010	To Complete	Total Prog
Proc Qty					Continuing	Continuing
Gross Cost	2627.7	379.9	435.6	338.2	Continuing	Continuing
Less PY Adv Proc						
Plus CY Adv Proc						
Net Proc P1	2627.7	379.9	435.6	338.2	Continuing	Continuing
Initial Spares						
Total Proc Cost	2627.7	379.9	435.6	338.2	Continuing	Continuing
Flyaway U/C						
Weapon System Proc U/C					Continuing	Continuing
<b>Description:</b> The AN/PAS-13 Thermal Weapon Sight (TWS) program supports the Army's objectives by increasing the individual Soldier's situational awareness, lethality, mobility and survivability during periods of significantly reduced visibility. The AN/PAS-13, TWS, is used with a variety of individual and crew served weapons. The TWS supports the tactical level of war enabling the individual Soldier to see, understand, and act first. The TWS program provides the Soldier with advanced imaging technologies today. The TWS consists of a second generation thermal imaging device. It significantly improves mounted and dismounted operational capability and supported weapon system performance, by increasing target acquisition range and enabling both day and night vision through smoke, fog, battlefield obscurants and in extremely low light levels. The TWS is produced in three configurations (light, medium and heavy) to support the target acquisition range of the varied weapon systems. The TWS satisfies an immediate capability gap providing thermal imagery for the individual Soldier and is poised to capitalize on advances in technology providing revolutionary enhancements for the Future Force in all operating environments. The TWS upholds the Army Future Force tenets of lethality, mobility, and survivability while emphasizing the "Soldier as a System."						
<b>Justification:</b> FY2010 Base funding in the amount of \$313.237 million procures 27,189 TWS systems for fielding to units deploying to support Overseas Contingency Operations (OCO). FY2010 OCO funding in the amount of \$25.000 million procures 2,718 TWS for replacement of older systems used by deployed units supporting OCO initiative.						
		FY2008	FY2009	FY2010		
Active	QTY					
	Gross Cost	\$321,121	\$297,317	\$226,083		
National Guard	QTY					
	Gross Cost	\$56,691	\$127,235	\$103,061		
Reserve	QTY					
	Gross Cost	\$2,070	\$11,085	\$9,093		

<b>Exhibit P-5, Weapon OPA2 Cost Analysis</b>		Appropriation/Budget Activity/Serial No: Other Procurement, Army / 2 / Communications and Electronics Equipment			P-1 Line Item Nomenclature: NIGHT VISION, THERMAL WPN SIGHT (K22900)			Weapon System Type:		Date: May 2009	
<b>OPA2 Cost Elements</b>		ID	<b>FY 08</b>			<b>FY 09</b>			<b>FY 10</b>		
		CD	Total Cost	Qty	Unit Cost	Total Cost	Qty	Unit Cost	Total Cost	Qty	Unit Cost
			\$000	Each	\$000	\$000	Each	\$000	\$000	Each	\$000
<b>AN/PAS-13 Thermal Weapon Sight (Base)</b>											
AN/PAS-13 TWS Heavy		A	88531	9723	9.105	133241	14646	9.097	98206	9523	10.313
AN/PAS-13 TWS Medium			147131	15600	9.431	122111	14224	8.585	103151	10758	9.588
AN/PAS-13 TWS Light			96014	11984	8.012	94592	12380	7.641	77057	9626	8.005
Government Engineering Support			765			1632			1023		
Project Management Admin			4867			7082			7188		
Fielding/Ancillary Support Items			30245			36920			38821		
Testing			1919			6673					
ECP			10410			33386			12791		
<b>Total:</b>			<b>379882</b>			<b>435637</b>			<b>338237</b>		

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

Date:  
May 2009

Appropriation/Budget Activity/Serial No: Other Procurement, Army/ 2/ Communications and Electronics Equipment		Weapon System Type:	P-1 Line Item Nomenclature: NIGHT VISION, THERMAL WPN SIGHT (K22900)							
WBS Cost Elements:	Contractor and Location	Contract Method and Type	Location of PCO	Award Date	Date of First Delivery	QTY Each	Unit Cost \$000	Specs Avail Now?	Date Revsn Avail	RFP Issue Date
<b>AN/PAS-13 Thermal Weapon Sight (Base)</b>										
FY 2008	BAE Lexington, MA	C/FP	RDECOM	Jan 08	Nov 08	16684	8.933	Yes		
FY 2008	BAE Lexington, MA	C/FP	RDECOM	Feb 08	Sep 09	3208	8.933	Yes		
FY 2008	BAE Lexington, MA	C/FP	RDECOM	Aug 08	Jan 09	3460	8.933	Yes		
FY 2008	DRS Optronics Melbourne, FL	C/FP	RDECOM	Jan 08	Aug 09	2399	8.933	Yes		
FY 2008	DRS Optronics Melbourne, FL	C/FP	RDECOM	Feb 08	Sep 09	1916	8.933	Yes		
FY 2008	DRS Optronics Melbourne, FL	C/FP	RDECOM	Aug 08	Jan 09	1727	8.933	Yes		
FY 2008	Raytheon Dallas, TX	C/FP	RDECOM	Jan 08	Apr 09	5855	8.933	Yes		
FY 2008	Raytheon Dallas, TX	C/FP	RDECOM	Feb 08	Oct 09	2058	8.933	Yes		
FY 2009	TBS (AN/PAS-13) TBD	C/FP	RDECOM	Jan 09	Nov 09	41511	8.467	Yes		
FY 2010	TBS (AN/PAS-13) TBD	C/FP	RDECOM	Dec 09	Oct 10	27189	9.302	Yes		
<b>AN/PAS-13 Thermal Weapon Sight (OCO)</b>										
FY 2010	TBS (AN/PAS-13) TBD	C/FP	RDECOM	Dec 09	Oct 10	2718	9.302	Yes		

REMARKS: Jun 07 awards to BAE, DRS, and Raytheon are 5 year IDIQ contracts. Each delivery order made under these contracts will be competed among the 3 manufacturers on the basis of best cost, available schedule, and performance. Therefore, a determination of the quantity per manufacturer to be awarded to each will be made after reviewing this information at the time of each delivery order. (Unit Costs are weighted averages).

<b>FY 09 / 10 BUDGET PRODUCTION SCHEDULE</b>	P-1 ITEM NOMENCLATURE NIGHT VISION, THERMAL WPN SIGHT (K22900)	Date: May 2009
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COST ELEMENTS						Fiscal Year 09												Fiscal Year 10												Later
M F R	FY	S E R V	PROC QTY Units	ACCEP PRIOR TO 1 OCT	BAL DUE AS OF 1 OCT	Calendar Year 09												Calendar Year 10												
						O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	

AN/PAS-13 Thermal Weapon Sight (Base)																																	
1	FY 08	A	3208	0	3208													355	2608	245													0
1	FY 08	A	3460	0	3460				484	590	472	590	590	691	43																		0
2	FY 08	A	2399	0	2399											1136	1263																0
2	FY 08	A	1916	0	1916												229	1550	137														0
2	FY 08	A	1727	0	1727				158	168	375	311	598	98	19																		0
3	FY 08	A	5855	0	5855							78	340	565	1020	1750	1925	177															0
3	FY 08	A	2058	0	2058													1827	231														0
1	FY 08	A	16684	0	16684			50	354	358	491	1041	1061	2061	2561	2671	2670	2216	230	365	365	190										0	
1	FY 08	AF	4	0	4				4																								0
1	FY 08	NG	1189	0	1189				112	200	160	200	200	317																			0
4	FY 09	A	41511	0	41511				A											3459	3459	3459	3460	3459	3459	3459	3460	3459	3459	3459	3460	3459	3460
4	FY 10	A	27189	0	27189																A												27189

AN/PAS-13 Thermal Weapon Sight (OCO)																																	
4	FY 10	A	2718	0	2718																												2718
Total								50	354	1116	1449	2048	2240	3789	4232	3753	5556	5988	6392	4437	3824	3649	3460	3459	3459	3459	3460	3459	3459	3459	33367		
									O C T		N O V		D E C		J A N		F E B		M A R		A P R		M A Y		J U N		J U L		A U G		S E P		

M F R	Name - Location	PRODUCTION RATES				Reached D+	MFR	ADMIN LEAD TIME		MFR After 1 Oct	TOTAL After 1 Oct	REMARKS																											
		MIN	1-8-5	MAX	1			2	3				4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30
1	BAE, Lexington, MA	750	1500	5000	457	1	Initial	2	4	19	23	REMARKS FY09 and FY10 awardees are TBD based on competitive determination at the time of award (cost, schedule, performance).  MFR4 represents cumulative awards TBD among MFR 1,2 and 3.																											
							Reorder	2	10	5	15																												
2	DRS Optronics, Melbourne, FL	750	1500	2500	302	2	Initial	2	3	19	22																												
							Reorder	2	4	19	23																												
3	Raytheon, Dallas, TX	500	1000	3150	488	3	Initial	2	3	15	18																												
							Reorder	2	4	20	24																												
4	TBS (AN/PAS-13), TBD	2000	4000	10650	488	4	Initial	2	3	10	13																												
							Reorder	2	2	10	12																												
							Initial																																
							Reorder																																

<b>FY 11 / 12 BUDGET PRODUCTION SCHEDULE</b>	P-1 ITEM NOMENCLATURE NIGHT VISION, THERMAL WPN SIGHT (K22900)	Date: May 2009
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COST ELEMENTS						Fiscal Year 11												Fiscal Year 12												Later
M F R	FY	S E R V	PROC QTY Units	ACCEP PRIOR TO 1 OCT	BAL DUE AS OF 1 OCT	Calendar Year 11												Calendar Year 12												
						O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	

AN/PAS-13 Thermal Weapon Sight (Base)																																			
1	FY 08	A	3460	3460																															0
1	FY 08	A	3208	3208																															0
2	FY 08	A	2399	2399																															0
2	FY 08	A	1916	1916																															0
2	FY 08	A	1727	1727																															0
3	FY 08	A	5855	5855																															0
3	FY 08	A	2058	2058																															0
1	FY 08	A	16684	16684																															0
1	FY 08	AF	4	4																															0
1	FY 08	NG	1189	1189																															0
4	FY 09	A	41511	38051	3460	3460																													0
4	FY 10	A	27189	0	27189	2266	2266	2266	2266	2266	2266	2266	2266	2266	2266	2266	2266																	0	

AN/PAS-13 Thermal Weapon Sight (OCO)																																			
4	FY 10	A	2718	0	2718	227	227	227	227	227	227	227	227	227	227	227	227																	0	
Total						33367	5953	2493	2493	2493	2493	2493	2493	2493	2493	2493	2493	2484																	
						O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P						

M F R	Name - Location	PRODUCTION RATES				Reached D+	MFR	ADMIN LEAD TIME		MFR After 1 Oct	TOTAL After 1 Oct	REMARKS
		MIN	1-8-5	MAX	D+			Prior 1 Oct	After 1 Oct			
1	BAE, Lexington, MA	750	1500	5000	457	1	Initial	2	4	19	23	FY09 and FY10 awardees are TBD based on competitive determination at the time of award (cost, schedule, performance).  MFR4 represents cumulative awards TBD among MFR 1,2 and 3.
							Reorder	2	10	5	15	
2	DRS Optronics, Melbourne, FL	750	1500	2500	302	2	Initial	2	3	19	22	
							Reorder	2	4	19	23	
3	Raytheon, Dallas, TX	500	1000	3150	488	3	Initial	2	3	15	18	
							Reorder	2	4	20	24	
4	TBS (AN/PAS-13), TBD	2000	4000	10650	488	4	Initial	2	3	10	13	
							Reorder	2	2	10	12	
							Initial					
							Reorder					

<b>Exhibit P-40, Budget Item Justification Sheet</b>						Date: May 2009
Appropriation / Budget Activity / Serial No: Other Procurement, Army / 2 / Communications and Electronics Equipment				P-1 Item Nomenclature SMALL TACTICAL OPTICAL RIFLE MOUNTED MLRF (K35110)		
Program Elements for Code B Items:		Code:	Other Related Program Elements: 64710A DL67			
	Prior Years	FY 2008	FY 2009	FY 2010	To Complete	Total Prog
Proc Qty						
Gross Cost				24.2		24.2
Less PY Adv Proc						
Plus CY Adv Proc						
Net Proc P1				24.2		24.2
Initial Spares						
Total Proc Cost				24.2		24.2
Flyaway U/C						
Weapon System Proc U/C						
<b>Description:</b> The AN/PSQ-23 Small Tactical Optical Rifle Mounted (STORM) Micro-Laser Range Finder (mLRF) is a weapon-mounted multi-function laser system. It provides an eye safe laser range finder, digital compass, Infrared (IR) and visible aiming lights, and an IR illuminator for far target location with continuous range, accuracy, weight and power performance capabilities. It also has an embedded training system, Multiple Integrated Laser Engagement System (MILES). When connected to a Precision Lightweight Global Receiver/Defense Advanced GPS Receiver (PLGR/DAGR), the AN/PSQ-23 provides range and direction information to develop accurate and timely far target locations. The AN/PSQ-23 (STORM) addresses the lack of depth perception for night applications through use of its IR illuminator and rangefinder. The AN/PSQ-23 (STORM) system provides a stand-alone capability for small unit leaders and Snipers.						
<b>Justification:</b> FY 2010 Base funding in the amount of \$9.179 Million will procure 586 AN/PSQ-23 (STORM) for fielding to small unit leaders and Snipers based on the Army resourcing priority list. The AN/PSQ-23 provides Soldiers with multi-function laser capabilities in Overseas Contingency Operations (OCO).  FY 2010 OCO funding in the amount of \$15.000 Million will procure 963 AN/PSQ-23 (STORM) for fielding to small unit leaders and Snipers based on the Army resourcing priority list. The AN/PSQ-23 provides Soldiers with multi-function laser capabilities in Overseas Contingency Operations (OCO).						

Exhibit P-5, Weapon OPA2 Cost Analysis	Appropriation/Budget Activity/Serial No: Other Procurement, Army / 2 / Communications and Electronics Equipment	P-1 Line Item Nomenclature: SMALL TACTICAL OPTICAL RIFLE MOUNTED MLRF (K35110)			Weapon System Type:	Date: May 2009					
OPA2 Cost Elements		ID	FY 08			FY 09			FY 10		
		CD	Total Cost	Qty	Unit Cost	Total Cost	Qty	Unit Cost	Total Cost	Qty	Unit Cost
			\$000	Each	\$000	\$000	Each	\$000	\$000	Each	\$000
<b>STORM - AN/PSQ-23</b>											
Hardware									22188	1549	14.324
Program Management Admin									938		
Engineering Support									332		
Fielding									193		
Testing									266		
Engineering Change Orders									262		
<b>Total:</b>									<b>24179</b>		

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

Date:  
May 2009

Appropriation/Budget Activity/Serial No: Other Procurement, Army/ 2/ Communications and Electronics Equipment		Weapon System Type:		P-1 Line Item Nomenclature: SMALL TACTICAL OPTICAL RIFLE MOUNTED MLRF (K35110)							
WBS Cost Elements:	Contractor and Location		Contract Method and Type	Location of PCO	Award Date	Date of First Delivery	QTY Each	Unit Cost \$000	Specs Avail Now?	Date Revsn Avail	RFP Issue Date
<b>STORM - AN/PSQ-23</b> FY 2010	Insight Technology Londonderry, NH		C/FP	RDECOM	Dec 09	May 10	1549	14.324	Yes		

REMARKS: FY08 and FY09 Procurement of the AN/PSQ-23 were funded under K36400. A separate line (K35110), for the AN/PSQ-23, was established with funding beginning in FY10.



**FY 10 / 11 BUDGET PRODUCTION SCHEDULE**

P-1 ITEM NOMENCLATURE  
SMALL TACTICAL OPTICAL RIFLE MOUNTED MLRF (K35110)

Date: May 2009

COST ELEMENTS						Fiscal Year 10															Fiscal Year 11										Later						
M F R	FY	S E R V	PROC QTY Each	ACCEP PRIOR TO 1 OCT	BAL DUE AS OF 1 OCT	Calendar Year 10															Calendar Year 11																
						O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P								
Hardware																																					
1	FY 10	A	1549	0	1549			A																													0
Total																																					
						O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P								

M F R	Name - Location	PRODUCTION RATES			Reached D+	MFR	ADMIN LEAD TIME		MFR After 1 Oct	TOTAL After 1 Oct	REMARKS	
		MIN	1-8-5	MAX			Prior 1 Oct	After 1 Oct				
1	Insight Technology, Londonderry, NH	25	100	300	120	1	Initial	2	4	5	9	
							Reorder	1	2	5	7	
							Initial					
							Reorder					
							Initial					
							Reorder					
							Initial					
							Reorder					
							Initial					
							Reorder					

<b>Exhibit P-40, Budget Item Justification Sheet</b>						Date: May 2009
Appropriation / Budget Activity / Serial No: Other Procurement, Army / 2 / Communications and Electronics Equipment				P-1 Item Nomenclature RADIATION MONITORING SYSTEMS (WC5200)		
Program Elements for Code B Items:		Code:	Other Related Program Elements:			
	Prior Years	FY 2008	FY 2009	FY 2010	To Complete	Total Prog
Proc Qty						
Gross Cost		1.4	1.9	2.2		5.5
Less PY Adv Proc						
Plus CY Adv Proc						
Net Proc P1		1.4	1.9	2.2		5.5
Initial Spares						
Total Proc Cost		1.4	1.9	2.2		5.5
Flyaway U/C						
Weapon System Proc U/C						
<b>Description:</b>						
<p>Radiac Set AN/VDR-2 is a nuclear radiation detector that is used by the Army and the Marines to detect and measure beta and gamma nuclear radiation in the battlespace and in Operations Other Than War. The system allows users to avoid contamination and to reduce their exposure when avoidance is not possible. The AN/VDR-2 is a tactical ratemeter that is used in the field to survey contaminated areas to make tactical decisions on stay time and route. It is also used to decon vehicles and personnel and for monitoring food and water for radiological contamination.</p> <p>Radiac Set AN/PDR-75 is a nuclear radiation detector that is used by the Army and the Marines to detect and measure neutron and gamma nuclear radiation in the battlespace and in Operations Other Than War. The system allows users to avoid contamination and to reduce their exposure when avoidance is not possible. The AN/PDR-75 is an individual dosimeter and reader system that is used in the field to monitor the radiation dose of a company or equivalent sized unit to make tactical and administrative decisions on the Radiation Exposure Status of the unit. The dosimeters are worn by individual soldiers and read on a separate reader at company headquarters.</p>						
<b>Justification:</b>						
FY2010 Base funding in the amount of \$2.198 Million procures 366 AN/PDR-75 Radiac Sets.						

<b>Exhibit P-40, Budget Item Justification Sheet</b>	Date: May 2009
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Appropriation / Budget Activity / Serial No: Other Procurement, Army / 2 / Communications and Electronics Equipment	P-1 Item Nomenclature RADIAC SET, AN/VDR-2 (B43300)
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Program Elements for Code B Items:	Code:	Other Related Program Elements:
------------------------------------	-------	---------------------------------

	Prior Years	FY 2008	FY 2009	FY 2010	To Complete	Total Prog
Proc Qty						
Gross Cost		1.0	1.4			2.4
Less PY Adv Proc						
Plus CY Adv Proc						
Net Proc P1		1.0	1.4			2.4
Initial Spares						
Total Proc Cost		1.0	1.4			2.4
Flyaway U/C						
Weapon System Proc U/C						

**Description:**  
Radiac Set AN/VDR-2 is a nuclear radiation detector that is used by the Army and the Marines to detect and measure beta and gamma nuclear radiation in the battlespace and in Operations Other Than War. The system allows users to avoid contamination and to reduce their exposure when avoidance is not possible. The AN/VDR-2 is a tactical ratemeter that is used in the field to survey contaminated areas to make tactical decisions on stay time and route. It is also used to determine the adequacy of decontamination of vehicles and personnel and for monitoring food and water for radiological contamination.

**Justification:**  
No FY10 funding

<b>Exhibit P-40, Budget Item Justification Sheet</b>						Date: May 2009
Appropriation / Budget Activity / Serial No: Other Procurement, Army / 2 / Communications and Electronics Equipment				P-1 Item Nomenclature RADIAC SET: AN/PDR-75() (B92400)		
Program Elements for Code B Items:		Code:	Other Related Program Elements:			
	Prior Years	FY 2008	FY 2009	FY 2010	To Complete	Total Prog
Proc Qty						
Gross Cost		0.4	0.5	2.2		3.2
Less PY Adv Proc						
Plus CY Adv Proc						
Net Proc P1		0.4	0.5	2.2		3.2
Initial Spares						
Total Proc Cost		0.4	0.5	2.2		3.2
Flyaway U/C						
Weapon System Proc U/C						
<b>Description:</b> Radiac Set AN/PDR-75 is a nuclear radiation detector that is used by the Army and the Marines to detect and measure neutron and gamma nuclear radiation in the battlespace and in Operations Other Than War. The system allows users to avoid contamination and to reduce their exposure when avoidance is not possible. The AN/PDR-75 is an individual dosimeter and reader system that is used in the field to monitor the radiation dose of a company or equivalent sized unit to make tactical and administrative decisions on the Radiation Exposure Status of the unit. The dosimeters are worn by individual soldiers and read on a separate reader at company headquarters.						
<b>Justification:</b> FY2010 Base funding in the amount of \$2.198 Million procures 366 AN/PDR-75 Radiac Sets.						

<b>Exhibit P-40, Budget Item Justification Sheet</b>						Date: May 2009
Appropriation / Budget Activity / Serial No: Other Procurement, Army / 2 / Communications and Electronics Equipment				P-1 Item Nomenclature COUNTER-ROCKET, ARTILLERY & MORTAR (C-RAM) (BZ0526)		
Program Elements for Code B Items:		Code:	Other Related Program Elements:			
	Prior Years	FY 2008	FY 2009	FY 2010	To Complete	Total Prog
Proc Qty						
Gross Cost	245.0	225.8	157.7	150.4		778.9
Less PY Adv Proc						
Plus CY Adv Proc						
Net Proc P1	245.0	225.8	157.7	150.4		778.9
Initial Spares						
Total Proc Cost	245.0	225.8	157.7	150.4		778.9
Flyaway U/C						
Weapon System Proc U/C						
<b>Description:</b>						
<p>Counter-Rockets, Artillery and Mortar (C-RAM) is an evolutionary Non-Developmental program initiated by the Army Chief of Staff in response to Iraqi threat and twice validated theater ONS. The primary mission of the C-RAM program is to develop, procure, field and maintain a system of systems that can detect rocket, artillery or mortar launches; warn the defended area with sufficient time for personnel to take cover; intercept rounds in flight, thus preventing damage to ground forces or facilities; and enhance response to and defeat of enemy forces. The C-RAM current capability utilizes a system of systems (SoS) approach, and is comprised of a combination of multi-service fielded and non-developmental item (NDI) sensors, command and control (C2) systems and a modified U.S. Navy intercept system, with a low cost commercial off-the-shelf (COTS) warning system and wireless local area network. The system is currently fielded to fifteen sites, providing them correlated air and ground pictures and linking them to the Army Battle Command System (ABCS) and the Joint Defense Network (JDN), via various forms of communications to provide situational awareness and exchange of timely and accurate information to synchronize and optimize automated Shape, Sense, Warn, Intercept, Respond and Protect decisions.</p> <p>The fielding of the C-RAM SoS was accomplished through an incremental acquisition process driven by urgent operational needs, theater priorities and emerging capability requirements to provide counter-RAM capability to fielded forces. The C-RAM Program Office has fielded equipment to fifteen (15) Forward Operating Bases (FOBs) (Sense, Warn and Intercept to three (3) FOBs; Sense and Warn to fifteen (15) additional FOBs). The C-RAM SoS approach was validated by a Proof of Principle demonstration in December 2004 and Army Test and Evaluation Command (ATEC) tests in Feb 05, Apr 05, Jul 05, Nov-Dec 05, Sep-Oct 06 and Sep-Oct 08 with another demonstration scheduled for Aug-Sep 09.</p> <p>Current development efforts include the implementation of improvements and upgrades to fielded C-RAM and the initial development of Indirect Fire Protection Capability (IFPC) capabilities. C-RAM is the current program for the Iraq theater of operations. The follow-on program to address future requirements (mobile, semi-fixed and fixed sites) will be titled Indirect Fire Protection Capability (IFPC). In parallel with a Joint Fires Integration and Interoperability Team (JFIIT) led effort to develop JCIDS documentation for IFPC program initiation, the Army is pursuing designation of IFPC as a Program of Record and establishment of a program office to provide materiel developer input to the JCIDS documentation.</p>						
<b>Justification:</b>						
<p>FY2010 OCO dollars in the amount of \$150.400M procures spares, repair parts, and contractor field support for C-RAM systems Theater directed at FOBs, 4 Combat Training Centers, and a training base will also support the regional Support Centers in Theater. Funds will also support the training of units to staff the intercept batteries and Sense, Warn and Respond locations with up to 9 MRX.</p>						

<b>Exhibit P-40, Budget Item Justification Sheet</b>		Date: May 2009
Appropriation / Budget Activity / Serial No: Other Procurement, Army / 2 / Communications and Electronics Equipment		P-1 Item Nomenclature COUNTER-ROCKET, ARTILLERY & MORTAR (C-RAM) (BZ0526)
Program Elements for Code B Items:	Code:	Other Related Program Elements:
<p>All FY 2008, 2009, and 2010 funds are for the active component.</p>		

<b>Exhibit P-5, Weapon OPA2 Cost Analysis</b>		Appropriation/Budget Activity/Serial No: Other Procurement, Army / 2 / Communications and Electronics Equipment			P-1 Line Item Nomenclature: COUNTER-ROCKET, ARTILLERY & MORTAR (C-RAM) (BZ0526)			Weapon System Type:		Date: May 2009	
<b>OPA2 Cost Elements</b>		ID	<b>FY 08</b>			<b>FY 09</b>			<b>FY 10</b>		
		CD	Total Cost	Qty	Unit Cost	Total Cost	Qty	Unit Cost	Total Cost	Qty	Unit Cost
			\$000	Each	\$000	\$000	Each	\$000	\$000	Each	\$000
1. Hardware/Upgrades/Re-Install			164811			97477			90745		
2. System Test			9051			6788			4526		
3. Software Maintenance			8540			8797			9053		
4. Training			19670			20260			20850		
5. Contactor Field Support			6100			6250			6570		
6. Program Management			17600			18128			18656		
<b>Total:</b>			<b>225772</b>			<b>157700</b>			<b>150400</b>		

<b>Exhibit P-40, Budget Item Justification Sheet</b>					Date: May 2009	
Appropriation / Budget Activity / Serial No: Other Procurement, Army / 2 / Communications and Electronics Equipment				P-1 Item Nomenclature BASE EXPEDITIONARY TARGETING AND SURV SYS (BZ6501)		
Program Elements for Code B Items:		Code:	Other Related Program Elements:			
	Prior Years	FY 2008	FY 2009	FY 2010	To Complete	Total Prog
Proc Qty						
Gross Cost		464.0	280.5			744.5
Less PY Adv Proc						
Plus CY Adv Proc						
Net Proc P1		464.0	280.5			744.5
Initial Spares						
Total Proc Cost		464.0	280.5			744.5
Flyaway U/C						
Weapon System Proc U/C						
<p><b>Description:</b>  Base Expeditionary Targeting and Surveillance System - Combined (BETSS-C) is a collection of mobile and semi-fixed sensors providing targeting and surveillance, force protection, and counter Improvised Explosive Devices (IED) capabilities for 360 degree day and night coverage. This effort will provide modular and scalable sensor architecture of "plug and play" common components (building blocks) that are tailor-able to meet mission specific requirements. The integrated "Family of Systems" will be comprised of existing sensor systems that combine to meet the aggregated requirements of stated needs from operating forces currently in Theater. This capability is a Quick Reaction Capability (QRC) program. The BETSS-C program is comprised of existing Quick Reaction Capability programs to include the Rapid Aerostat Initial Deployment (RAID), Force Protection Suite (FPS), Mid Range Thermal Imagers (MRTI) and Ancillary Equipment.</p> <p>FY08 and FY09 funding is for the Active Compo.</p> <p><b>Justification:</b>  There are no FY 2010 funds for BETSS-C systems.</p>						



<b>Exhibit P-5, Weapon OPA2 Cost Analysis</b>		Appropriation/Budget Activity/Serial No: Other Procurement, Army / 2 / Communications and Electronics Equipment			P-1 Line Item Nomenclature: BASE EXPEDITIONARY TARGETING AND SURV SYS (BZ6501)			Weapon System Type:		Date: May 2009	
OPA2 Cost Elements		ID CD	FY 08			FY 09			FY 10		
			Total Cost	Qty	Unit Cost	Total Cost	Qty	Unit Cost	Total Cost	Qty	Unit Cost
			\$000	Each	\$000	\$000	Each	\$000	\$000	Each	\$000
RAID			120900	100	1209	40422	32	1263			
FPS			20709	9	2301	38466	16	2404			
MRTI			4938	58	85	5883	74	80			
Cerberus						35053	53	661			
Ancillary Equipment			19174			15116					
Initial Spares			61946			33203					
Fielding /Transport, FSR, Site Survey			5578			1672					
Fielding Engineering Support			149028			72589					
Home Station Training			8966			6666					
Contractor Logistics Support			72806			31430					
<b>Total:</b>			<b>464045</b>			<b>280500</b>					

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

Date:  
May 2009

Appropriation/Budget Activity/Serial No: Other Procurement, Army/ 2/ Communications and Electronics Equipment		Weapon System Type:	P-1 Line Item Nomenclature: BASE EXPEDITIONARY TARGETING AND SURV SYS (BZ6501)							
WBS Cost Elements:	Contractor and Location	Contract Method and Type	Location of PCO	Award Date	Date of First Delivery	QTY Each	Unit Cost \$000	Specs Avail Now?	Date Revsn Avail	RFP Issue Date
<b>RAID</b>										
FY 2008	Raytheon Andover, MA	SS	Huntsville, AL	Apr 08	Dec 08	100	1209	Y		
FY 2009	Raytheon Andover, MA	TBD	Huntsville, AL	Sep 09	Jan 10	32	1263	Y		
<b>FPS</b>										
FY 2008	Northrop Grumman Carson, CA	SS	Various	Mar 09	Jul 09	9	2301	Y		
FY 2009	Northrop Grumman Carson, CA	SS		Sep 09	Jan 10	16	2404	Y		
<b>MRTI</b>										
FY 2008	Exponent Phoenix, AZ	C/FP	CECOM	Dec 08	Feb 09	58	85	Y		
FY 2009	Exponent Phoenix, AZ	CC	CECOM	Sep 09	Jan 10	74	80	Y		
<b>Cerberus</b>										
FY 2009	ICX Atlanta, GA	SS	CECOM	Sep 09	Jan 10	53	661	Y		

REMARKS:

<b>FY 08 / 09 BUDGET PRODUCTION SCHEDULE</b>	P-1 ITEM NOMENCLATURE BASE EXPEDITIONARY TARGETING AND SURV SYS (BZ6501)	Date: May 2009
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COST ELEMENTS						Fiscal Year 08												Fiscal Year 09												Later
M F R	FY	S E R V	PROC QTY Each	ACCEP PRIOR TO 1 OCT	BAL DUE AS OF 1 OCT	Calendar Year 08												Calendar Year 09												
						O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	
RAID																														
1	FY 08	A	100	0	100																									0
1	FY 09	A	32	32	32																								A	0
FPS																														
2	FY 08	A	9	0	9																									0
2	FY 09	A	16	16	16																								A	0
MRTI																														
3	FY 08	A	58	0	58																									0
3	FY 09	A	74	74	74																								A	0
Cerberus																														
4	FY 09	A	53	53	53																								A	0
Total																														
					342																									
						O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	

M F R	Name - Location	PRODUCTION RATES			Reached D+	MFR	ADMIN LEAD TIME		MFR After 1 Oct	TOTAL After 1 Oct	REMARKS	
		MIN	1-8-5	MAX			Prior 1 Oct	After 1 Oct				
												1
1	Raytheon, Andover, MA	5	16	16		1	Initial	0	7	8	15	
							Reorder	0	0	0	0	
2	Northrop Grumman, Carson, CA	1	5	6		2	Initial	0	18	4	22	
							Reorder	0	0	0	0	
3	Exponent, Phoenix, AZ	5	18	19			Initial	0	15	2	17	
							Reorder	0	0	0	0	
4	ICX, Atlanta, GA	1	9	9		4	Initial	0	11	4	15	
							Reorder	0	0	0	0	
							Initial					
							Reorder					

<b>FY 10 / 11 BUDGET PRODUCTION SCHEDULE</b>	P-1 ITEM NOMENCLATURE BASE EXPEDITIONARY TARGETING AND SURV SYS (BZ6501)	Date: May 2009
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COST ELEMENTS						Fiscal Year 10												Fiscal Year 11												Later
M F R	FY	S E R V	PROC QTY Each	ACCEP PRIOR TO 1 OCT	BAL DUE AS OF 1 OCT	Calendar Year 10												Calendar Year 11												
						O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	
RAID																														
1	FY 08	A	100	100																									0	
1	FY 09	A	32	0	32				16	16																			0	
FPS																														
2	FY 08	A	9	9																									0	
2	FY 09	A	16	0	16				6	5	5																		0	
MRTI																														
3	FY 08	A	58	58																									0	
3	FY 09	A	74	0	74				18	18	19	19																	0	
Cerberus																														
4	FY 09	A	53	0	53				9	9	9	9	9	8															0	
Total																														
					175				49	48	33	28	9	8																
						O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	

M F R	Name - Location	PRODUCTION RATES			Reached D+	MFR	ADMIN LEAD TIME		MFR After 1 Oct	TOTAL After 1 Oct	REMARKS	
		MIN	1-8-5	MAX			Prior 1 Oct	After 1 Oct				
												1
1	Raytheon, Andover, MA	5	16	16		1	Initial	0	7	8	15	
							Reorder	0	0	0	0	
2	Northrop Grumman, Carson, CA	1	5	6		2	Initial	0	18	4	22	
							Reorder	0	0	0	0	
3	Exponent, Phoenix, AZ	5	18	19			Initial	0	15	2	17	
							Reorder	0	0	0	0	
4	ICX, Atlanta, GA	1	9	9		3	Initial	0	11	4	15	
							Reorder	0	0	0	0	
							Initial					
							Reorder					

<b>Exhibit P-40, Budget Item Justification Sheet</b>						Date: May 2009
Appropriation / Budget Activity / Serial No: Other Procurement, Army / 2 / Communications and Electronics Equipment				P-1 Item Nomenclature ARTILLERY ACCURACY EQUIP (AD3200)		
Program Elements for Code B Items:		Code: A	Other Related Program Elements:			
	Prior Years	FY 2008	FY 2009	FY 2010	To Complete	Total Prog
Proc Qty		15	13			28
Gross Cost	219.8	6.6	4.9	5.8		237.2
Less PY Adv Proc						
Plus CY Adv Proc						
Net Proc P1	219.8	6.6	4.9	5.8		237.2
Initial Spares						
Total Proc Cost	219.8	6.6	4.9	5.8		237.2
Flyaway U/C						
Weapon System Proc U/C		0.4	0.4			0.8
<b>Description:</b>						
<p>The Improved Position and Azimuth Determining System (IPADS) supports modernization of the Army's Field Artillery survey capabilities. The current PADS was fielded in the 1980s with 1970s technology. Poor reliability and obsolete technology has resulted in a system that is no longer economically supportable. The IPADS leverages technology advances, substantially improves reliability, and provides a digital communications capability to meet the needs of the Army of the Future. This is a Joint Program with the USMC.</p> <p>The IPADS-G enhancement effort will bring a capability to the artillery survey community allowing artillery surveyors to conduct survey operations without stopping to ZUPT (Zero-Velocity Update) the Ring Laser Gyros inside the IPADS. Current survey operations mandate stopping every 5 minutes while conducting survey operation to allow the ring-laser gyros inside the IPADS to properly account for all position variances incurred during movement from one area of operations to the next.</p>						
<b>Justification:</b>						
FY2010 procures IPADS Global Positioning System (GPS) (IPADS-G) enhancements / kits as well as the fielding, shipping and New Equipment Training support for this enhancement.						

<b>Exhibit P-40, Budget Item Justification Sheet</b>						Date: May 2009
Appropriation / Budget Activity / Serial No: Other Procurement, Army / 2 / Communications and Electronics Equipment				P-1 Item Nomenclature POSITION AZIMUTH DETERMINING SYS (PADS) (M75700)		
Program Elements for Code B Items:		Code: A	Other Related Program Elements:			
	Prior Years	FY 2008	FY 2009	FY 2010	To Complete	Total Prog
Proc Qty		15	13			28
Gross Cost	219.8	6.6	4.9	5.8		237.2
Less PY Adv Proc						
Plus CY Adv Proc						
Net Proc P1	219.8	6.6	4.9	5.8		237.2
Initial Spares						
Total Proc Cost	219.8	6.6	4.9	5.8		237.2
Flyaway U/C						
Weapon System Proc U/C		0.4	0.4			0.8
<b>Description:</b>						
<p>The Improved Position and Azimuth Determining System (IPADS) supports modernization of the Army's Field Artillery survey capabilities. The current PADS was fielded in the 1980s with 1970s technology. Poor reliability and obsolete technology has resulted in a system that is no longer economically supportable. The IPADS leverages technology advances, substantially improves reliability, and provides a digital communications capability to meet the needs of the Army of the Future. This is a Joint Program with the USMC.</p> <p>The IPADS-G enhancement effort will bring a capability to the artillery survey community allowing artillery surveyors to conduct survey operations without stopping to ZUPT (Zero-Velocity Update) the Ring Laser Gyros inside the IPADS. Current survey operations mandate stopping every 5 minutes while conducting survey operation to allow the ring-laser gyros inside the IPADS to properly account for all position variances incurred during movement from one area of operations to the next.</p>						
<b>Justification:</b>						
FY2010 procures 96 IPADS Global Positioning System (GPS) (IPADS-G) enhancements/ kits as well as the fielding, shipping and New Equipment Training support for this enhancement.						

<b>Exhibit P-5, Weapon OPA2 Cost Analysis</b>		Appropriation/Budget Activity/Serial No: Other Procurement, Army / 2 / Communications and Electronics Equipment		P-1 Line Item Nomenclature: POSITION AZIMUTH DETERMINING SYS (PADS) (M75700)			Weapon System Type:		Date: May 2009		
<b>OPA2 Cost Elements</b>		ID CD	<b>FY 08</b>			<b>FY 09</b>			<b>FY 10</b>		
			Total Cost	Qty	Unit Cost	Total Cost	Qty	Unit Cost	Total Cost	Qty	Unit Cost
			\$000	Units	\$000	\$000	Units	\$000	\$000	Units	\$000
IPADS			2370	15	158	2054	13	158			
Basic Issue Items & Initial Spares			10			87			400		
Test Acceptance			116			305			2138		
Systems Eng/Program Mgt/Fielding			4110			500			420		
GPS Mod						2000			2880	96	30
<b>Total:</b>			<b>6606</b>			<b>4946</b>			<b>5838</b>		

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

Date:  
May 2009

Appropriation/Budget Activity/Serial No: Other Procurement, Army/ 2/ Communications and Electronics Equipment		Weapon System Type:	P-1 Line Item Nomenclature: POSITION AZIMUTH DETERMINING SYS (PADS) (M75700)							
WBS Cost Elements:	Contractor and Location	Contract Method and Type	Location of PCO	Award Date	Date of First Delivery	QTY Units	Unit Cost \$000	Specs Avail Now?	Date Revsn Avail	RFP Issue Date
<b>IPADS</b>										
FY 2008	L3 Communications Mt. Olive, NJ	FFP	TACOM, Warren, MI	Jul 08	Jul 09	15	158	Yes		
FY 2009	L3 Communications Mt. Olive, NJ	FFP	TACOM, Warren, MI	Jul 09	Jul 10	13	158	Yes		
<b>GPS Mod</b>										
FY 2010	L3 Communications Mt. Olive, NJ	FFP	TACOM, Warren, MI	Dec 09	Dec 10	96	30	Yes		

REMARKS: FY10 procures Global Positioning Systems (GPS) modifications/ kits to the IPADS. Specifically, the GPS Modifications procured in 2010 is done through the purchases of commercial off the shelf (COTS) equipment designed to enhance and support the artillery survey community. This will be achieved through permitting current survey operations to circumvent stopping every five minutes to allow the ring laser gyros inside the IPADS to properly account for all position variances during movement from one area to the next.



COST ELEMENTS						Fiscal Year 09														Fiscal Year 10														Later
M F R	FY	S E R V	PROC QTY Each	ACCEP PRIOR TO 1 OCT	BAL DUE AS OF 1 OCT	Calendar Year 09														Calendar Year 10														
						O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P					

IPADS

1	FY 08	A	15	0	15												8	7																			0		
1	FY 09	A	13	0	13												A																	8	5	0			
Total					28												8	7																					
						O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P										

M F R	Name - Location	PRODUCTION RATES			Reached D+	MFR	ADMIN LEAD TIME		MFR After 1 Oct	TOTAL After 1 Oct	REMARKS
		MIN	1-8-5	MAX			Prior 1 Oct	After 1 Oct			
		1	Initial	Reorder			0	0			
1	L3 Communications, Mt. Olive, NJ	1	8	8							

<b>Exhibit P-40, Budget Item Justification Sheet</b>						Date: May 2009
Appropriation / Budget Activity / Serial No: Other Procurement, Army / 2 / Communications and Electronics Equipment				P-1 Item Nomenclature ENHANCED PORTABLE INDUCTIVE ARTILLERY FUZE SETTER (AD3260)		
Program Elements for Code B Items:		Code:	Other Related Program Elements:			
	Prior Years	FY 2008	FY 2009	FY 2010	To Complete	Total Prog
Proc Qty						
Gross Cost	20.6	7.6	2.6	3.1		33.8
Less PY Adv Proc						
Plus CY Adv Proc						
Net Proc P1	20.6	7.6	2.6	3.1		33.8
Initial Spares						
Total Proc Cost	20.6	7.6	2.6	3.1		33.8
Flyaway U/C						
Weapon System Proc U/C						
<b>Description:</b> This budget line item supports procurement of the Enhanced Portable Inductive Artillery Fuze Setter (EPIAFS) system. EPIAFS is a pre-planned product improvement to the Portable Inductive Artillery Fuze Setter (PIAFS), and allows for inductive setting of Global Positioning System (GPS) guided artillery munitions in addition to its current fuze setting capabilities. The EPIAFS system includes a hand held setter, Platform Integration Kit (PIK) and cable. EPIAFS is being fielded to the M777A2 Light Weight Towed Howitzer and to the M109A6 Paladin Self Propelled Howitzer to allow them to utilize GPS guided artillery munitions, such as the Excalibur and the Precision Guidance Kit (PGK).						
<b>Justification:</b> FY 2010 Base dollars of \$1,178 will procure production support and New Equipment Training (NET) for EPIAFS.  FY 2010 OCO dollars of \$1,900 will procure production support and New Equipment Training (NET) for EPIAFS.						

Exhibit P-5, Weapon OPA2 Cost Analysis	Appropriation/Budget Activity/Serial No: Other Procurement, Army / 2 / Communications and Electronics Equipment	P-1 Line Item Nomenclature: ENHANCED PORTABLE INDUCTIVE ARTILLERY FUZE SETTER (AD3260)			Weapon System Type:	Date: May 2009				
OPA2 Cost Elements	ID	FY 08			FY 09			FY 10		
	CD	Total Cost	Qty	Unit Cost	Total Cost	Qty	Unit Cost	Total Cost	Qty	Unit Cost
		\$000	Each	\$000	\$000	Each	\$000	\$000	Each	\$000
<b>Hardware</b>										
EPIAFS										
		4480	531	8	652	78	8			
<b>SubTotal Hardware</b>		<b>4480</b>			<b>652</b>					
<b>Production Support Costs</b>										
Production Engineering										
		1155			588			1245		
Quality Assurance										
		335			149			136		
Acceptance Testing										
		80			62					
New Equipment Training (NET)										
		1551			1120			1697		
<b>SubTotal Prod. Support</b>		<b>3121</b>			<b>1919</b>			<b>3078</b>		
<b>Total:</b>		<b>7601</b>			<b>2571</b>			<b>3078</b>		

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

Date:  
May 2009

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

Weapon System Type:

P-1 Line Item Nomenclature:  
ENHANCED PORTABLE INDUCTIVE ARTILLERY FUZE SETTER (AD3260)

WBS Cost Elements:	Contractor and Location	Contract Method and Type	Location of PCO	Award Date	Date of First Delivery	QTY Each	Unit Cost \$000	Specs Avail Now?	Date Revsn Avail	RFP Issue Date
<b>EPIAFS</b>										
FY 2008	ATK Rocket Center, WV	Option	ARDEC, Picatinny, NJ	May 09	Nov 09	531	8	Yes		
FY 2009	ATK Rocket Center, WV	Option	ARDEC, Picatinny, NJ	May 09	Sep 10	78	8	Yes		

REMARKS:

<b>FY 09 / 10 BUDGET PRODUCTION SCHEDULE</b>	P-1 ITEM NOMENCLATURE ENHANCED PORTABLE INDUCTIVE ARTILLERY FUZE SETTER (AD3260)	Date: May 2009
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COST ELEMENTS						Fiscal Year 09												Fiscal Year 10												Later
M F R	FY	S E R V	PROC QTY Units	ACCEP PRIOR TO 1 OCT	BAL DUE AS OF 1 OCT	Calendar Year 09												Calendar Year 10												
						O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	

EPIAFS																													
1	FY 08	A	531	0	531																								
1	FY 09	A	78	0	78																								
1	FY 09	FMS	57	0	57																								
1	FY 09	MC	51	0	51																								
Total					717																								
						O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P

M F R	Name - Location	PRODUCTION RATES			Reached D+	MFR	ADMIN LEAD TIME		MFR After 1 Oct	TOTAL After 1 Oct	REMARKS	
		MIN	1-8-5	MAX			1	Initial				After 1 Oct
								0				20
1	ATK, Rocket Center, WV	15	50	75			0	8	16	24		

<b>FY 11 / 12 BUDGET PRODUCTION SCHEDULE</b>	P-1 ITEM NOMENCLATURE ENHANCED PORTABLE INDUCTIVE ARTILLERY FUZE SETTER (AD3260)	Date: May 2009
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COST ELEMENTS						Fiscal Year 11												Fiscal Year 12												Later
M F R	FY	S E R V	PROC QTY Units	ACCEP PRIOR TO 1 OCT	BAL DUE AS OF 1 OCT	Calendar Year 11												Calendar Year 12												
						O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	

EPIAFS																															
1	FY 08	A	531	531																										0	
1	FY 09	A	78	19	59	50	9																							0	
1	FY 09	FMS	57	0	57			30	27																					0	
1	FY 09	MC	51	0	51		41	10																						0	
Total					167	50	50	40	27																						
					O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P			

M F R	Name - Location	PRODUCTION RATES			Reached D+	MFR	ADMIN LEAD TIME		MFR After 1 Oct	TOTAL After 1 Oct	REMARKS		
		MIN	1-8-5	MAX			1	Initial				Prior 1 Oct	After 1 Oct
1	ATK, Rocket Center, WV	15	50	75		1	Initial	0	20	6	26		
							Reorder	0	8	16	24		
							Initial						
							Reorder						
							Initial						
							Reorder						
							Initial						
							Reorder						
							Initial						
							Reorder						

<b>Exhibit P-40, Budget Item Justification Sheet</b>						Date: May 2009
Appropriation / Budget Activity / Serial No: Other Procurement, Army / 2 / Communications and Electronics Equipment				P-1 Item Nomenclature PROFILER (K27900)		
Program Elements for Code B Items: 0604710A L75		Code: B	Other Related Program Elements:			
	Prior Years	FY 2008	FY 2009	FY 2010	To Complete	Total Prog
Proc Qty		59	4			63
Gross Cost	75.3	82.8	10.6	10.8		179.5
Less PY Adv Proc						
Plus CY Adv Proc						
Net Proc P1	75.3	82.8	10.6	10.8		179.5
Initial Spares						
Total Proc Cost	75.3	82.8	10.6	10.8		179.5
Flyaway U/C						
Weapon System Proc U/C						
<b>Description:</b> The AN/TMQ-52 Meteorological Measuring Set-Profiler (MMS-P) is a replacement for the current Meteorological Measuring Set (MMS), AN/TMQ-41. Profiler uses a suite of meteorological (MET) sensors and MET data from communication satellites along with an advanced weather model to provide highly accurate MET data covering an operational area of 500 kilometers with a tested range of 60 kilometers. The current MMS relies upon a balloon-borne radiosonde to measure and transmit MET conditions such as wind speed, wind direction, temperature, pressure and humidity. It is considered accurate to 20 kilometers from the balloon launch site and cannot provide target area MET data. Profiler provides the same MET information MMS does and adds rate of precipitation, visibility, cloud height and cloud ceiling. All of these are required for precise targeting and terminal guidance. Profiler uses this information to build a four-dimensional MET model (height, width, depth and time) that includes terrain effects. By providing more accurate MET messages, Profiler will enable the artillery to have a greater probability of a first round hit with indirect fire systems. The new capabilities will increase the lethality of field artillery systems such as Multiple Launch Rocket Systems (MLRS), Paladin, and self-propelled or towed howitzers.						
<b>Justification:</b> FY10 base of \$4.766 million supports software upgrades, new equipment training, fielding and technical support to Profiler Block I systems.  FY10 OCO of \$6.071 million procures Joint Internet Protocol Modems for all Profiler Block I systems to continue Global Broadcasting Service interoperability and supports satellite data support service (T-VSAT).						

<b>OPA2 Cost Elements</b>		ID	<b>FY 08</b>			<b>FY 09</b>			<b>FY 10</b>		
		CD	Total Cost	Qty	Unit Cost	Total Cost	Qty	Unit Cost	Total Cost	Qty	Unit Cost
			\$000	Units	\$000	\$000	Units	\$000	\$000	Units	\$000
Profiler Hardware - MMS-P			23600	59	400	1840	4	460			
Hardware - GFE			31093	59	527	2108	4	527			
LRIP - FRP Retrofit											
T&M technical support									505		
Non-Recurring GBS JIPM/IVP6						1505					
Global Broadcasting System (GBS)			15163								
Joint Internet Protocol Modem (JIPM)									4291		
GBS KG-250			1289								
Project Management Admin			954			1001			1227		
Engineering Change Orders			1554			106					
Satellite Data Support - TV SAT			2500			1600			2500		
Data			1866			126					
System Test & Evaluation			591			352			151		
Fielding/Transportation/NET/ICS			2721			1162			1188		
Software			950			790			975		
MWOs			488								
<b>Total:</b>			<b>82769</b>			<b>10590</b>			<b>10837</b>		



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

Date:  
May 2009

Appropriation/Budget Activity/Serial No: Other Procurement, Army/ 2/ Communications and Electronics Equipment		Weapon System Type:		P-1 Line Item Nomenclature: PROFILER (K27900)						
WBS Cost Elements:	Contractor and Location	Contract Method and Type	Location of PCO	Award Date	Date of First Delivery	QTY Units	Unit Cost \$000	Specs Avail Now?	Date Revsn Avail	RFP Issue Date
<b>Profiler Hardware - MMS-P</b>										
FY 2008	Smiths Detection Edgewood, MD	SS/FFP(O)	CECOM	Apr 08	Apr 09	7	400	Y		
FY 2008	Smiths Detection Edgewood, MD	SS/FFP(O)	CECOM	Dec 08	Nov 09	52	400	Y		
FY 2009	Smiths Detection Edgewood, MD	SS/FFP(O)	CECOM	Mar 09	Mar 10	4	460	Y		

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

<b>FY 09 / 10 BUDGET PRODUCTION SCHEDULE</b>	P-1 ITEM NOMENCLATURE PROFILER (K27900)	Date: May 2009
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COST ELEMENTS					Fiscal Year 09												Fiscal Year 10												Later	
M F R	FY	S E R V	PROC QTY Units	ACCEP PRIOR TO 1 OCT	BAL DUE AS OF 1 OCT	Calendar Year 09												Calendar Year 10												
						O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G		S E P

Profiler Hardware - MMS-P																															
1	FY 08	A	7	0	7									1	1	1	1	1	1											0	
1	FY 08	A	52	0	52			A												4	4	4	4	4	4	4	4	5	5	5	5
1	FY 09	A	4	0	4					A															1	1	1	1		0	
Total						63								1	1	1	1	1	1	4	4	4	4	5	5	5	5	5	5	5	
						O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P		

M F R	Name - Location	PRODUCTION RATES			Reached D+	MFR	ADMIN LEAD TIME		MFR After 1 Oct	TOTAL After 1 Oct	REMARKS
		MIN	1-8-5	MAX			Prior 1 Oct	After 1 Oct			
1	Smiths Detection, Edgewood, MD	12	60	72		1	0	4	11	15	
							0	1	11	12	
							Initial				
							Reorder				
							Initial				
							Reorder				
							Initial				
							Reorder				
							Initial				
							Reorder				

<b>FY 11 / 12 BUDGET PRODUCTION SCHEDULE</b>	P-1 ITEM NOMENCLATURE PROFILER (K27900)	Date: May 2009
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COST ELEMENTS						Fiscal Year 11												Fiscal Year 12												Later
M F R	FY	S E R V	PROC QTY Units	ACCEP PRIOR TO 1 OCT	BAL DUE AS OF 1 OCT	Calendar Year 11												Calendar Year 12												
						O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	

Profiler Hardware - MMS-P																																	
1	FY 08	A	7	7																													0
1	FY 08	A	52	47	5	5																											0
1	FY 09	A	4	4																													0
Total					5	5																											
						O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P				

M F R	Name - Location	PRODUCTION RATES			Reached D+	MFR	ADMIN LEAD TIME		MFR After 1 Oct	TOTAL After 1 Oct	REMARKS	
		MIN	1-8-5	MAX			Prior 1 Oct	After 1 Oct				
1	Smiths Detection, Edgewood, MD	12	60	72		1	Initial	0	4	11	15	
							Reorder	0	1	11	12	
							Initial					
							Reorder					
							Initial					
							Reorder					
							Initial					
							Reorder					
							Initial					
							Reorder					

<b>Exhibit P-40, Budget Item Justification Sheet</b>	Date: May 2009
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Appropriation / Budget Activity / Serial No: Other Procurement, Army / 2 / Communications and Electronics Equipment	P-1 Item Nomenclature MOD OF IN-SVC EQUIP (Firefinder Radars) (BZ7325)
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Program Elements for Code B Items:	Code:	Other Related Program Elements:
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	Prior Years	FY 2008	FY 2009	FY 2010	To Complete	Total Prog
Proc Qty						
Gross Cost	769.1	63.5	27.3	2.8	Continuing	Continuing
Less PY Adv Proc						
Plus CY Adv Proc						
Net Proc P1	769.1	63.5	27.3	2.8	Continuing	Continuing
Initial Spares						
Total Proc Cost	769.1	63.5	27.3	2.8	Continuing	Continuing
Flyaway U/C						
Weapon System Proc U/C					Continuing	Continuing

**Description:**  
 MOD OF IN-SERVICE EQUIPMENT (Firefinder Radars) funds the modifications to the Firefinder radars, the AN/TPQ-36 Mortar Locating Radar and the AN/TPQ-37 Artillery Locating Radar. The Firefinder equipment was designed to meet the Army's critical need to quickly and accurately locate the large number and variety of hostile indirect fire weapons. The Firefinder radars use a combination of radar techniques and computer controlled signal processing to detect and locate enemy mortars, field artillery, and rockets with sufficient accuracy to permit rapid engagement with counterfire. The Firefinder radars are capable of locating multiple weapons simultaneously and transmitting the target data to appropriate counterfire elements in near real time. The AN/TPQ-36 is a phased-array X-Band radar which automatically locates mortar and short range rocket launchers. The system is configured on three (3) High Mobility Multi-Purpose Wheeled Vehicles (HMMWVs) making it highly mobile and transportable. The AN/TPQ-37 is a larger system requiring a 5-ton truck to pull the Antenna Transceiver Group (ATG). The AN/TPQ-37 is a phased-array S-Band radar with a longer target acquisition range than the AN/TPQ-36 allowing it to locate artillery and rockets.

**Justification:**  
 FY2010 funds the support required for on-going upgrades to include fielding AN/TPQ-37(V)9 ATG and Operations Control Group (OCG) Shelter technology insertion and fielding AN/TPQ-36 Shelter and Common Processor.

<b>Exhibit P-40M, Budget Item Justification Sheet</b>						Date: May 2009
Appropriation / Budget Activity / Serial No: Other Procurement, Army / 2 / Communications and Electronics Equipment				P-1 Item Nomenclature MOD OF IN-SVC EQUIP (Firefinder Radars) (BZ7325)		
Program Elements for Code B Items:				Code:	Other Related Program Elements:	
Description		Fiscal Years				
OSIP No.	Classification	2008 & PR	FY 2009	FY 2010	TC	Total
AN/TPQ-36(V)8 Electronics Upgrade						
OSIP		351.2	5.7	1.3	0.0	358.2
AN/TPQ-37 Fire Support Digitization						
OSIP		22.4	0.0	0.0	0.0	22.4
AN/TPQ-37 Reliability/Maintainability Improvements						
OSIP		65.9	21.6	1.5	0.0	89.0
AN/TPQ-37(V)8 Block I Upgrade						
OSIP		59.8	0.0	0.0	0.0	59.8
AN/TPQ36/37 Training Devices						
0-00-00-0000	Unclassified	30.0	0.0	0.0	0.0	30.0
<b>Totals</b>		<b>529.3</b>	<b>27.3</b>	<b>2.8</b>	<b>0.0</b>	<b>559.4</b>

**INDIVIDUAL MODIFICATION**

Date: May 2009

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

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

**DESCRIPTION / JUSTIFICATION:**

The AN/TPQ-36 is the primary target acquisition and counterfire system for Field Artillery in support of Divisions, separate Brigades, and rapid deployment task forces. The AN/TPQ-36(V)8 incorporates an electronics upgrade to enhance capabilities in range, false target rate, target throughput, target classification and displacement time. It replaces electronic components rapidly approaching obsolescence with Common Hardware/Software (CHS) and/or Commercial Off-The-Shelf (COTS) equipment. The Army has procured 116 ea. AN/TPQ-36(V)8 shelters/modification kits. With the transition to modularity, the AN/TPQ-36(V)8 will be fielded one (1) per Brigade Combat Team (BCT) (Heavy and Light) and one (1) per Stryker Brigade Combat Team (SBCT). All Common Processors have been procured and will begin fielding in 3QFY09 concurrently with Software Block II.

FY 2010 funding supports fielding AN/TPQ-36(V)8 Shelters and Common Processor

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

- 3QFY08 - Procured six (6) additional AN/TPQ-36(V)8 Shelters.
- 4QFY08 - Procured Common Processors
- 3QFY09 - Begin fielding Common Processors
- 1Q-4QFY0 - Continue fielding Common Processors

**Installation Schedule**

Pr Yr Totals	FY 2009				FY 2010				FY 2011				FY 2012				FY 2013			
	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4
Inputs																				
Outputs																				

  

	FY 2014				FY 2015				FY 2016				FY 2017				To Complete	Totals
	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4		
Inputs																		
Outputs																		

**METHOD OF IMPLEMENTATION:**

**ADMINISTRATIVE LEADTIME:**

0 months

**PRODUCTION LEADTIME:** 0 months

Contract Dates: FY 2010 -

FY 2011 -

FY 2012 -

Delivery Dates: FY 2010 -

FY 2011 -

FY 2012 -

**INDIVIDUAL MODIFICATION**

Date: May 2009

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

FINANCIAL PLAN: (\$ in Millions)

	FY 2008 and Prior		2009		2010		TC		Total	
	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$
	<b>RDT&amp;E</b>									
<b>Procurement</b>										
Kit Quantity (V8 Shelters)	116								116	
Equipment		167.2								167.2
Equipment (Non-Recurring)		28.1								28.1
Ancillary Hardware		26.4								26.4
RP Redesign/Procurement	232	43.2		1.5					232	44.7
MILTOPE Upgrade		10.3								10.3
Data		3.4								3.4
Engineering/Test Support		23.7		2.8		0.5				27.0
Training Equipment		5.1								5.1
CTS Upgrades										
Pre-Mod Depot Maint		2.7								2.7
Hardware/Software Upgrades		0.9								0.9
PM Admin		14.6		1.0		0.5				16.1
Fielding Support		23.2		0.4		0.3				23.9
<b>Installation of Hardware</b>										
FY 2007 & Prior Equip -- Kits	88	2.4							88	2.4
FY 2008 -- Kits										
FY 2009 Equip -- Kits										
FY 2010 Equip -- Kits										
FY 2011 Equip -- Kits										
FY 2012 Equip -- Kits										
FY 2013 Equip -- Kits										
FY 2014 Equip -- Kits										
TC Equip- Kits										
Total Installment	88	2.4	0	0.0	0	0.0	0	0.0	88	2.4
Total Procurement Cost		351.2		5.7		1.3		0.0		358.2

**INDIVIDUAL MODIFICATION** Date: May 2009

MODIFICATION TITLE: AN/TPQ-37 Reliability/Maintainability Improvements [MOD 3] OSIP

MODELS OF SYSTEM AFFECTED: AN/TPQ-37

**DESCRIPTION / JUSTIFICATION:**  
 The AN/TPQ-37 Radar is used to detect and locate long range enemy artillery and rocket weapons to permit rapid engagement with counterfire. This radar provides critical force protection to Warfighters conducting tactical missions associated with multiple on-going worldwide operations. The Reliability, Maintainability Improvement program is necessary to resolve major issues with obsolescence and systemic failures associated with the existing AN/TPQ-37(V) Transmitter and Radar Processor (RP). The overall program will be implemented in two Phases. Phase I will consist of fabrication, demonstrations, testing and delivery of a newly designed RP and Transmitter. Follow-on production efforts of the newly design RP and transmitter will be implemented during Phase II. The new RP will replace the current Signal Processor Unit. The newly designed transmitter will replace the existing Transmitter. It is anticipated that this improvement will significantly increase system reliability, availability, maintainability requirements, decrease system down time and reduce the total number of spares parts required to support the radar systems and therefore simplify logistics support.  
 The AN/TPQ-37 Legacy S-250 Shelter, known as the Operations Control Group (OCG) is heart of the system. The shelter has not had any real refurbishment done other than RESET and repair. New commercial off the shelf hardware exists that can be incorporated into the existing shelter which will extend the life of the AN/TPQ-37 radar, as well as, allowing for fully digitized mapping capabilities and will be incorporated as part of the RMI program during RESET.  
 FY2010 funding supports fielding AN/TPQ-37(V)9 ATG and OCG technology insertion.

**DEVELOPMENT STATUS / MAJOR DEVELOPMENT MILESTONE(S):**  
 Phase I Prototype Complete (ATG) - Jan 08  
 Facilitize Contractors to Support Initial Production (ATG) - 3QFY08  
 Procure Initial Spares (ATG) - 4QFY08  
 Procure OCG Shelter Kits - 3QFY09  
 Being fielding (ATG and OCG) Upgrade - 4QFY09  
 Continue fielding (ATG and OCG) Upgrade - 1Q-4QFY10

Installation Schedule

	Pr Yr Totals	FY 2009				FY 2010				FY 2011				FY 2012				FY 2013				
		1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	
Inputs																						
Outputs																						

  

	FY 2014				FY 2015				FY 2016				FY 2017				To Complete	Totals				
	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4						
Inputs																						
Outputs																						

METHOD OF IMPLEMENTATION: ADMINISTRATIVE LEADTIME: 0 months PRODUCTION LEADTIME: 0 months



**INDIVIDUAL MODIFICATION**

Date: May 2009

Contract Dates:	FY 2010 -	FY 2011 -	FY 2012 -
Delivery Dates:	FY 2010 -	FY 2011 -	FY 2012 -

**INDIVIDUAL MODIFICATION**

Date: May 2009

MODIFICATION TITLE (cont): AN/TPQ-37 Reliability/Maintainability Improvements [MOD 3] OSIP

FINANCIAL PLAN: (\$ in Millions)

	FY 2008 and Prior		2009		2010		TC		Total	
	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$
	<b>RDT&amp;E</b>									
<b>Procurement</b>										
Kit Quantity(OCG)			40						40	
Installation Kits				8.7						8.7
Installation Kits, Nonrecurring										
Data				3.5						3.5
Equipment,Non-recurring		37.3								37.3
(ATG)										
Ancillary		2.7		2.4						5.1
Initial Spares	59	16.7							59	16.7
Equipment,Non-recurring		4.2								4.2
(OCG)										
Engineering/Test Support		3.1		4.7		0.7				8.5
PM Admin		0.8		1.4		0.5				2.7
Fielding Support		1.1		0.9		0.3				2.3
<b>Installation of Hardware</b>										
FY 2007 & Prior Equip -- Kits										
FY 2008 -- Kits										
FY 2009 Equip -- Kits										
FY 2010 Equip -- Kits										
FY 2011 Equip -- Kits										
FY 2012 Equip -- Kits										
FY 2013 Equip -- Kits										
FY 2014 Equip -- Kits										
TC Equip- Kits										
Total Installment	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
Total Procurement Cost		65.9		21.6		1.5		0.0		89.0

<b>Exhibit P-40, Budget Item Justification Sheet</b>						Date: May 2009
Appropriation / Budget Activity / Serial No: Other Procurement, Army / 2 / Communications and Electronics Equipment				P-1 Item Nomenclature FORCE XXI BATTLE CMD BRIGADE & BELOW (FBCB2) (W61900)		
Program Elements for Code B Items: W61900		Code:	Other Related Program Elements:			
	Prior Years	FY 2008	FY 2009	FY 2010	To Complete	Total Prog
Proc Qty						
Gross Cost	1542.5	596.2	377.9	515.0		3031.6
Less PY Adv Proc						
Plus CY Adv Proc						
Net Proc P1	1542.5	596.2	377.9	515.0		3031.6
Initial Spares						
Total Proc Cost	1542.5	596.2	377.9	515.0		3031.6
Flyaway U/C						
Weapon System Proc U/C						
<b>Description:</b> The Force XXI Battle Command Brigade and Below (FBCB2) is a digital, battle command information system that provides integrated, on-the-move, timely, relevant battle command information to tactical combat, combat support and combat service support leaders and soldiers. FBCB2 incorporates state-of-the-art information technology to allow commanders to concentrate combat system effects rather than combat forces, enabling units to be both more survivable and more lethal. FBCB2 provides the capability to pass orders and graphics allowing the warfighter to visualize the commanders intent and scheme of maneuver. FBCB2 affords combat forces the capability to retain the tactical/operational initiatives under all mission, enemy, terrain, troops, and time available conditions to enable faster decisions, real/near-real-time communications and response. FBCB2 as a key component of the Army Battle Command System (ABCS) completes the information flow process from brigade to platform and across platforms within the brigade task force and across brigade boundaries. FBCB2 system provides a dual based capability consisting of both terrestrial Enhanced Position Location and Reporting System (EPLRS) and satellite based (L-Band) systems. The system includes a Pentium based processor, display unit, keyboard, removable hard disk drive cartridge, and a platform specific installation kit. The satellite based system, more commonly known as Blue Force Tracking (BFT), includes an L-Band transceiver that employs commercial satellite services in lieu of tactical terrestrial radios. Currently over 60,000 total systems have been fielded with approximately 15,000 systems in support of Operation Enduring Freedom (OEF)/Operation Iraqi Freedom (OIF).						
<b>Justification:</b> FY2010 procures FBCB2 systems to continue fielding to meet Army requirements in support of Overseas Contingency Operations (OCO), to include systems for Army National Guard, Army Aviation, Abrams and Bradley. FY2010 funding will also procure Type I Encryption devices to provide communications security (COMSEC) for the FBCB2-BFT system and Blue Force Tracking 2(BFT 2) devices to improve communications speed and bandwidth.  FY10 Base dollars of \$271.979 million will procure 14,400 KGV-72s and 3,150 BFT2s to retrofit FBCB2 systems. FY10 OCO dollars of \$242.999 million will procure 9,720 FBCB2 systems.  FY2008    FY2009    FY2010  Active                    QTY						

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

Date: May 2009

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

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

Program Elements for Code B Items:  
W61900

Code:

Other Related Program Elements:

	Gross Cost	450812	167791	427248
National Guard	QTY			
	Gross Cost	99378	170422	81550
Reserve	QTY			
	Gross Cost	45977	39720	6180

Exhibit P-5, Weapon OPA2 Cost Analysis	Appropriation/Budget Activity/Serial No: Other Procurement, Army / 2 / Communications and Electronics Equipment	P-1 Line Item Nomenclature: FORCE XXI BATTLE CMD BRIGADE & BELOW (FBCB2) (W61900)			Weapon System Type:			Date: May 2009			
OPA2 Cost Elements		ID	FY 08			FY 09			FY 10		
		CD	Total Cost	Qty	Unit Cost	Total Cost	Qty	Unit Cost	Total Cost	Qty	Unit Cost
			\$000	Units	\$000	\$000	Units	\$000	\$000	Units	\$000
<b>Force XXI Command Brigade and Below</b>											
Non Recurring Engineering											
HW Manufacturing - Ground			370711	16500	22	249214	13467	19	242999	9720	25
HW Manufacturing - Aviation			64868	1256	52						
<b>System Engineering/Program Management</b>											
Government			28590			29038			29279		
Contractor			7540			7701			7758		
Engineering Change Proposals			2353			1322			1063		
Test			2833			3500			17900		
Training (Combat Training Center)			714			730			732		
Data			3132			1600			4818		
Support Equipment			7382			957					
Op Site Activation			2429			210			210		
Fielding			19496			20066			27411		
Software Support			9492			9695			22191		
Computer Hardware Replacement									47560		
Engineering Support											
<b>Other Support</b>											
KGV-72 Retrofit						33900			80590		
BFT 2 Retrofit									17827		
TIGR						20000					
JCR/Parallel NOC/Aviation Parts			76626						14640		
<b>Total:</b>			<b>596166</b>			<b>377933</b>			<b>514978</b>		

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

Date:  
May 2009

WBS Cost Elements:	Contractor and Location	Contract Method and Type	Location of PCO	Award Date	Date of First Delivery	QTY Each	Unit Cost \$000	Specs Avail Now?	Date Revsn Avail	RFP Issue Date
Appropriation/Budget Activity/Serial No: Other Procurement, Army/ 2/ Communications and Electronics Equipment			Weapon System Type:		P-1 Line Item Nomenclature: FORCE XXI BATTLE CMD BRIGADE & BELOW (FBCB2) (W61900)					
<b>HW Manufacturing - Ground</b> FY 2008	DRS Melbourne, Florida	SS/FFP	CECOM C4IEWS	Sep 08	Mar 09	16500	22	Yes		N/A
FY 2009	DRS Melbourne, Florida	SS/FFP	CECOM C4IEWS	Jan 09	May 09	13467	19	Yes		N/A
FY 2010	DRS Melbourne, Florida	SS/FFP	CECOM C4IEWS	Jan 10	May 10	9720	25	Yes		N/A
<b>HW Manufacturing - Aviation</b> FY 2008	RDECOM Pdn Integrat'n Facility Huntsville, Alabama	MIPR	AMCOM	Nov 07	Mar 08	1256	52	Yes		N/A

REMARKS:

<b>FY 09 / 10 BUDGET PRODUCTION SCHEDULE</b>	P-1 ITEM NOMENCLATURE FORCE XXI BATTLE CMD BRIGADE & BELOW (FBCB2) (W61900)	Date: May 2009
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COST ELEMENTS						Fiscal Year 09											Fiscal Year 10											Later
MFR	FY	S E R V	PROC QTY Units	ACCEP PRIOR TO 1 OCT	BAL DUE AS OF 1 OCT	Calendar Year 09											Calendar Year 10											
						O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	

HW Manufacturing - Ground																															
1	FY 08	A	16500	0	16500				1071	1071	1072	1072	1072	1072	1072	1072	1200	1200	1200	1200	1200	854								0	
1	FY 09	A	13467	0	13467					A				1122	1122	1122	1122	1122	1122	1122	1122	1123	1123	1123					0		
1	FY 10	A	9720	0	9720																A					810	810	810	810	810	5670

HW Manufacturing - Aviation																															
2	FY 08	A	1256	0	1256				100	100	100	100	100	100	100	100	100	100	100	100	100	56								0	
Total																															
						40943				1171	1171	1172	1172	2294	2294	2294	2294	2294	2422	2422	2422	2378	2323	1977	1123	810	810	810	810	810	5670
						O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P		

MFR	Name - Location	PRODUCTION RATES			Reached D+	MFR	ADMIN LEAD TIME		MFR After 1 Oct	TOTAL After 1 Oct	REMARKS	
		MIN	1-8-5	MAX			Prior 1 Oct	After 1 Oct				
		1	2	3			4	5				
1	DRS, Melbourne, Florida	6000	13680	27360		1	Initial	0	5	4	9	
							Reorder	0	2	4	6	
2	RDECOM Pdn Integrat'n Facility, Huntsville, Alabama	516	1044	2088		2	Initial	0	2	4	6	
							Reorder	0	2	4	6	
							Initial					
							Reorder					
							Initial					
							Reorder					
							Initial					
							Reorder					





<b>Exhibit P-40, Budget Item Justification Sheet</b>						Date: May 2009
Appropriation / Budget Activity / Serial No: Other Procurement, Army / 2 / Communications and Electronics Equipment				P-1 Item Nomenclature JOINT BATTLE COMMAND - PLATFORM (JBC-P) (W61990)		
Program Elements for Code B Items:		Code:	Other Related Program Elements:			
	Prior Years	FY 2008	FY 2009	FY 2010	To Complete	Total Prog
Proc Qty						
Gross Cost				17.2	Continuing	Continuing
Less PY Adv Proc						
Plus CY Adv Proc						
Net Proc P1				17.2	Continuing	Continuing
Initial Spares						
Total Proc Cost				17.2	Continuing	Continuing
Flyaway U/C						
Weapon System Proc U/C					Continuing	Continuing
<b>Description:</b> Joint Battle Command - Platforms (JBC-P) provides true Joint force Command and Control (C2) and Situational Awareness (SA) capability at the platform level and enables mission accomplishment across the entire spectrum of Joint military operations. JBC-P serves as the cornerstone for Joint Blue Force Situational Awareness (JBFSA). It provides continuous near-real-time identification of friendly locations to populate the Joint Common Operating Picture (JCOP). JBC-P enhances Joint Combat Identification to increase combat effectiveness and reduce fratricide. It enables Joint, net-centric C2/Battle Command by seamlessly passing/sharing relevant information vertically and horizontally, within all levels of command, regardless of Service unit hierarchy. In addition to utilizing the existing Force XXI Battle Command Brigade and Below (FBCB2)/Blue Force Tracking (BFT) JV-5 system, JBC-P system hardware consists of a handheld computer, tethered and untethered tablet computers and a beacon capability. JBC-P will also procure BFT2 transceiver hardware to be used with the satellite-based JV-5 computers. Except for an initial procurement of BFT2 hardware, JBC-P hardware procurement begins in FY2012.  The JBC-P program was approved by the Joint Requirements Oversight Council (JROC) in May 2008.						
<b>Justification:</b> FY2010 Base dollars in the amount of \$17.242 million procures Tactical Ground Reporting (TiGR) Hardware for 10 Brigade Combat Team (BCT) sets in support of Army Force Generation (ARFORGEN), as specified in the Memorandum Of Agreement (MOA) between Defense Advanced Research Projects Agency (DARPA) and the Army dated Feb 09. A set consists of: 1 Full Server configuration; 5 Workstations; and 30 Laptop PC/Cache Servers.						

<b>Exhibit P-5, Weapon OPA2 Cost Analysis</b>	Appropriation/Budget Activity/Serial No: Other Procurement, Army / 2 / Communications and Electronics Equipment	P-1 Line Item Nomenclature: JOINT BATTLE COMMAND - PLATFORM (JBC-P) (W61990)			Weapon System Type:	Date: May 2009					
<b>OPA2 Cost Elements</b>		ID	<b>FY 08</b>			<b>FY 09</b>			<b>FY 10</b>		
		CD	Total Cost	Qty	Unit Cost	Total Cost	Qty	Unit Cost	Total Cost	Qty	Unit Cost
			\$000	Each	\$000	\$000	Each	\$000	\$000	Each	\$000
TiGR Hardware Manufacturing - BCT Sets								17242	10	1724	
<b>Total:</b>								<b>17242</b>			

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

Date:  
May 2009

Appropriation/Budget Activity/Serial No: Other Procurement, Army/ 2/ Communications and Electronics Equipment		Weapon System Type:	P-1 Line Item Nomenclature: JOINT BATTLE COMMAND - PLATFORM (JBC-P) (W61990)								
WBS Cost Elements:	Contractor and Location	Contract Method and Type	Location of PCO	Award Date	Date of First Delivery	QTY Each	Unit Cost \$000	Specs Avail Now?	Date Revsn Avail	RFP Issue Date	
<b>TiGR Hardware Manufacturing - BCT Sets</b> FY 2010	TBD TBD	TBD	TBD	TBD	TBD	10	1724				

REMARKS: Unit of Measure for Unit Quantity is BCT Sets. Awaiting firm contract information from DARPA.

<b>Exhibit P-40, Budget Item Justification Sheet</b>	Date: May 2009
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Appropriation / Budget Activity / Serial No: Other Procurement, Army / 2 / Communications and Electronics Equipment	P-1 Item Nomenclature LIGHTWEIGHT LASER DESIGNATOR/RANGEFINDER (LLDR) (K31100)
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Program Elements for Code B Items:	Code: A	Other Related Program Elements: 0604710A DL76
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	Prior Years	FY 2008	FY 2009	FY 2010	To Complete	Total Prog
Proc Qty					Continuing	Continuing
Gross Cost	1027.0	189.0	134.7	156.1	Continuing	Continuing
Less PY Adv Proc						
Plus CY Adv Proc						
Net Proc P1	1027.0	189.0	134.7	156.1	Continuing	Continuing
Initial Spares						
Total Proc Cost	1027.0	189.0	134.7	156.1	Continuing	Continuing
Flyaway U/C						
Weapon System Proc U/C					Continuing	Continuing

**Description:**  
The Lightweight Laser Designator Rangefinder (LLDR) (AN/PED-1) is a modular system designed for man-portable day/night all-weather use for determining the precise location of threat targets, and for designating threat targets for engagement by Global Position System (GPS) precision and laser guided munitions for a variety of Army and Joint weapons systems. The Target Location Module uses an advanced thermal IR sensor, day camera, laser rangefinder, and digital compass/vertical angle device, global positioning system, and system controller with digital data and video outputs. These components provide precision target location and the capability to digitally transmit the targeting information. The Laser Designation Module contains the laser and associated optics required to paint a threat target for precision engagement by laser-guided munitions. The Target Location Module, at 12.6 pounds, the Laser Designation Module, at 5.8 pounds, and the accessories, at 10.3 pounds, make the modular man-portable LLDR a combat multiplier for current and future forces. The LLDR meets a critical requirement for precision target location and engagement for the artillery fire support teams and scouts. The LLDR has proven a useful tool for rapidly locating and attacking insurgents firing rockets and mortars at our bases in theater.

**Justification:**  
FY10 Base procurement dollars in the amount of \$59.080 million will procure 190 LLDR systems.  
FY10 Overseas Contingency Operations (OCO) funding in the amount of \$97.020 million will procure 367 LLDR systems.

		FY2008	FY2009	FY2010
Active	QTY			
	Gross Cost	138102	73230	121284
National Guard	QTY			
	Gross Cost	50882	61466	34816
Reserve	QTY			
	Gross Cost	0	0	0

<b>OPA2 Cost Elements</b>		ID	<b>FY 08</b>			<b>FY 09</b>			<b>FY 10</b>		
		CD	Total Cost	Qty	Unit Cost	Total Cost	Qty	Unit Cost	Total Cost	Qty	Unit Cost
			\$000	Each	\$000	\$000	Each	\$000	\$000	Each	\$000
K31100 AN/PED-1 LLDR (Base)		A	176171	685	257.2	124827	479	260.6	147125	557	264.1
Engineering Support			986			1196			1201		
Project Management Admin			957			733			956		
Engineering Change Order			314			569			556		
Testing			2919			768			839		
Fielding			7637			6603			5423		
<b>Total:</b>			<b>188984</b>			<b>134696</b>			<b>156100</b>		

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

Date:  
May 2009

Appropriation/Budget Activity/Serial No: Other Procurement, Army/ 2/ Communications and Electronics Equipment	Weapon System Type:	P-1 Line Item Nomenclature: LIGHTWEIGHT LASER DESIGNATOR/RANGEFINDER (LLDR) (K31100)								
WBS Cost Elements:	Contractor and Location	Contract Method and Type	Location of PCO	Award Date	Date of First Delivery	QTY Each	Unit Cost \$000	Specs Avail Now?	Date Revsn Avail	RFP Issue Date
<b>K31100 AN/PED-1 LLDR (Base)</b>										
FY 2008	Northrop Grumman Laser Systems Apopka, FL	SS/FP	RDECOM	Apr 08	Aug 09	184	257	Yes		
FY 2008	Northrop Grumman Laser Systems Apopka, FL	SS/FP	RDECOM	Sep 08	Dec 09	501	257	Yes		
FY 2009	TBS TBD	C/FP	RDECOM	Aug 09	Dec 10	479	261	Yes		
FY 2010	TBS TBD	C/FP	RDECOM	Jan 10	Sep 11	557	264	Yes		

REMARKS:

<b>FY 09 / 10 BUDGET PRODUCTION SCHEDULE</b>	P-1 ITEM NOMENCLATURE LIGHTWEIGHT LASER DESIGNATOR/RANGEFINDER (LLDR) (K31100)	Date: May 2009
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COST ELEMENTS						Fiscal Year 09										Fiscal Year 10										Later
M F R	FY	S E R V	PROC QTY Units	ACCEP PRIOR TO 1 OCT	BAL DUE AS OF 1 OCT	Calendar Year 09										Calendar Year 10										
						O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	

K31100 AN/PED-1 LLDR (Base)																													
1	FY 08	A	501	0	501																								89
1	FY 08	A	184	0	184									29	40	40	40	35											0
2	FY 09	A	479	0	479																								479
2	FY 10	A	557	0	557																								557
Total					1721									29	40	40	40	42	45	45	45	45	45	45	45	45	45	45	1125
						O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P

M F R	Name - Location	PRODUCTION RATES			Reached D+	MFR	ADMIN LEAD TIME		MFR After 1 Oct	TOTAL After 1 Oct	REMARKS
		MIN	1-8-5	MAX			Prior 1 Oct	After 1 Oct			
1	Northrop Grumman Laser Systems, Apopka, FL	4	40	50	90	1	Initial	1	16	17	Manufacturer is working toward improved production practices to reduce lead time.
							Reorder	2	15	17	
2	TBS, TBD	4	40	50	90	2	Initial	2	16	18	
							Reorder	2	20	22	
							Initial				
							Reorder				
							Initial				
							Reorder				

<b>Exhibit P-40, Budget Item Justification Sheet</b>						Date: May 2009
Appropriation / Budget Activity / Serial No: Other Procurement, Army / 2 / Communications and Electronics Equipment				P-1 Item Nomenclature COMPUTER BALLISTICS: LHMBC XM32 (K99200)		
Program Elements for Code B Items:		Code:	Other Related Program Elements:			
	Prior Years	FY 2008	FY 2009	FY 2010	To Complete	Total Prog
Proc Qty						
Gross Cost	134.3	10.7	2.3	3.8		151.1
Less PY Adv Proc						
Plus CY Adv Proc						
Net Proc P1	134.3	10.7	2.3	3.8		151.1
Initial Spares						
Total Proc Cost	134.3	10.7	2.3	3.8		151.1
Flyaway U/C						
Weapon System Proc U/C						
<b>Description:</b> The M32 Lightweight Handheld Mortar Ballistic Computer (LHMBC) calculates ballistic trajectories which give the mortar user data to elevate the gun, set the charge, and direct fire for all rounds. The LHMBC provides mortar firing computations for all calibers of mortars as well as digital messaging capability. The LHMBC consists of the Army Common Hardware Ruggedized Personal Digital Assistant (R-PDA) with embedded GPS capability, and M95 Mortar Fire Control System software modified for use with the R-PDA. The LHMBC will interface with the Advanced Field Artillery Tactical Data System (AFATDS) to improve required response time. Development of the LHMBC was conducted jointly with the U.S. Marine Corps. The LHMBC replaces the old M23 Mortar Ballistic Computer, which is no longer logistically supportable, in Army dismounted mortar units. The total system weighs less than four pounds, compared to the M23 which weighs over 8 pounds.						
<b>Justification:</b> FY2010 OCO in the amount \$3.780 Funding will procure a quantity of 125 M32 Lightweight Handheld Mortar Ballistic Computers.						



<b>Exhibit P-5, Weapon OPA2 Cost Analysis</b>		Appropriation/Budget Activity/Serial No: Other Procurement, Army / 2 / Communications and Electronics Equipment			P-1 Line Item Nomenclature: COMPUTER BALLISTICS: LHMBC XM32 (K99200)			Weapon System Type:		Date: May 2009	
<b>OPA2 Cost Elements</b>		ID CD	<b>FY 08</b>			<b>FY 09</b>			<b>FY 10</b>		
			Total Cost	Qty	Unit Cost	Total Cost	Qty	Unit Cost	Total Cost	Qty	Unit Cost
			\$000	Units	\$000	\$000	Units	\$000	\$000	Units	\$000
<b>HARDWARE</b>											
M32 - Lightweight Handheld MBC			6650	350	19	1080	54	20	2500	125	20
<b>SUBTOTAL HARDWARE</b>			<b>6650</b>			<b>1080</b>			<b>2500</b>		
<b>PRODUCTION SUPPORT</b>											
Production Engineering			2752			645			743		
Proof and Acceptance			200			100			100		
Fielding and New Equipment Training			1114			437			437		
<b>SUBTOTAL PRODUCTION SUPPORT</b>			<b>4066</b>			<b>1182</b>			<b>1280</b>		
<b>Total:</b>			<b>10716</b>			<b>2262</b>			<b>3780</b>		

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

Date:  
May 2009

Appropriation/Budget Activity/Serial No: Other Procurement, Army/ 2/ Communications and Electronics Equipment		Weapon System Type:	P-1 Line Item Nomenclature: COMPUTER BALLISTICS: LHMCB XM32 (K99200)							
WBS Cost Elements:	Contractor and Location	Contract Method and Type	Location of PCO	Award Date	Date of First Delivery	QTY Units	Unit Cost \$000	Specs Avail Now?	Date Revsn Avail	RFP Issue Date
<b>M32 - Lightweight Handheld MBC</b>										
FY 2008	General Dynamics C4 Systems Taunton, MA	SS/Option	FT Monmouth, NJ	May 08	May 09	350	19	Yes		
FY 2009	General Dynamics C4 Systems Taunton, MA	SS/Option	FT Monmouth, NJ	Mar 09	Mar 10	54	20	Yes		
FY 2010	General Dynamics C4 Systems Taunton, MA	SS/Option	FT Monmouth, NJ	Mar 10	Mar 11	125	20	Yes		

REMARKS:

**FY 09 / 10 BUDGET PRODUCTION SCHEDULE**

P-1 ITEM NOMENCLATURE  
COMPUTER BALLISTICS: LHMBC XM32 (K99200)

Date: May 2009

COST ELEMENTS						Fiscal Year 09														Fiscal Year 10														Later
MFR	FY	S E R V	PROC QTY Units	ACCEP PRIOR TO 1 OCT	BAL DUE AS OF 1 OCT	Calendar Year 09														Calendar Year 10														
						O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P					

M32 - Lightweight Handheld MBC																													
1	FY 08	A	350	0	350																								0
1	FY 09	A	54	0	54						A																	54	0
1	FY 10	A	125	0	125																						A		125
Total					529																								125
						O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P

MFR	Name - Location	PRODUCTION RATES			Reached D+	MFR	ADMIN LEAD TIME		MFR After 1 Oct	TOTAL After 1 Oct	REMARKS		
		MIN	1-8-5	MAX			Prior 1 Oct	After 1 Oct					
		1	Initial	Reorder			3	8	12	20			
1	General Dynamics C4 Systems, Taunton, MA	25	100	250		1	Initial	Reorder	3	8	12	20	
							Initial	Reorder					
							Initial	Reorder					
							Initial	Reorder					
							Initial	Reorder					
							Initial	Reorder					

<b>FY 11 / 12 BUDGET PRODUCTION SCHEDULE</b>	P-1 ITEM NOMENCLATURE COMPUTER BALLISTICS: LHMBC XM32 (K99200)	Date: May 2009
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COST ELEMENTS						Fiscal Year 11													Fiscal Year 12													Later
M F R	FY	S E R V	PROC QTY Units	ACCEP PRIOR TO 1 OCT	BAL DUE AS OF 1 OCT	Calendar Year 11													Calendar Year 12													
						O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P			

M32 - Lightweight Handheld MBC																																	
1	FY 08	A	350	350																													0
1	FY 09	A	54	54																												0	
1	FY 10	A	125	0	125						75	50																				0	
Total					125						75	50																					
					O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P					

M F R	Name - Location	PRODUCTION RATES			Reached D+	MFR	ADMIN LEAD TIME		MFR After 1 Oct	TOTAL After 1 Oct	REMARKS	
		MIN	1-8-5	MAX			Prior 1 Oct	After 1 Oct				
1	General Dynamics C4 Systems, Taunton, MA	25	100	250		1	Initial	3	8	12	20	
							Reorder	3	6	12	18	
							Initial					
							Reorder					
							Initial					
							Reorder					
							Initial					
							Reorder					
							Initial					
							Reorder					

<b>Exhibit P-40, Budget Item Justification Sheet</b>					Date: May 2009	
Appropriation / Budget Activity / Serial No: Other Procurement, Army / 2 / Communications and Electronics Equipment				P-1 Item Nomenclature MORTAR FIRE CONTROL SYSTEM (K99300)		
Program Elements for Code B Items: 0604802A/D613		Code: B	Other Related Program Elements:			
	Prior Years	FY 2008	FY 2009	FY 2010	To Complete	Total Prog
Proc Qty						
Gross Cost	404.5	19.6	21.0	15.5		460.6
Less PY Adv Proc						
Plus CY Adv Proc						
Net Proc P1	404.5	19.6	21.0	15.5		460.6
Initial Spares						
Total Proc Cost	404.5	19.6	21.0	15.5		460.6
Flyaway U/C						
Weapon System Proc U/C						
<b>Description:</b> The Mortar Fire Control System (MFCS) accurately determines weapon position and orientation, navigates, calculates ballistics, and communicates digitally on the fire support net. The MFCS consists of the M95/M96 version which is used on mounted 120mm mortars in Heavy and Stryker Brigade Combat Teams, and the M150/M151 version which is used on the M120 120mm Towed Mortar which is fielded throughout all Infantry Brigade Combat Teams. The M95 is used on the M1064A2/M1064A3 Mortar Carriers with the M121 Battalion Mortar System and the M1129A1 Stryker 120mm Mortar Carrier with the 120mm Recoiling Mortar System. The M96 is used on M577 Mortar Fire Direction Center (FDC) vehicle. The M150 will be used on the M120 120mm Towed Mortar, which will be mounted on the M1101 Trailer. The M151 is used on the M1097 HWMMV which serves as the IBCT Mortar FDC. Both the M95 and M150 consist of four main components: 1) The Commander's Interface (CI) (M95) or Fire Control Computer (FCC)(M150) links the MFCS components together, communicates, and calculates the ballistic trajectories. 2) The Pointing Device and Position System (PDPS) enables the mortar to "know" its own location and thus eliminates the need for aiming posts, aiming circles, and survey. 3) The Gunner's Display (GD) shows the gunner where to point the tube and shows the ballistic solution. 4) The Driver's Display (DD) (M95 only) provides a "steer-to" display to aid in navigation and emplacement of the vehicle, and 4) The Power Distribution Assembly/Enhanced Power Distribution Assembly filters vehicle power and acts as a circuit breaker isolating MFCS LRUs from power fluctuations and surges. The M96 and M151 each consist primarily of the CI (M96) or FCC (M151), because the FDC has no gun system.						
<b>Justification:</b> FY 2010 Base funding in the amount of \$15.520M will procure a total of 60 M150 MFCS for M120, 120mm Towed Mortars, and 10 M151 MFCS for IBCT FDC's.						

<b>Exhibit P-5, Weapon OPA2 Cost Analysis</b>		Appropriation/Budget Activity/Serial No: Other Procurement, Army / 2 / Communications and Electronics Equipment		P-1 Line Item Nomenclature: MORTAR FIRE CONTROL SYSTEM (K99300)			Weapon System Type:		Date: May 2009		
<b>OPA2 Cost Elements</b>		ID	<b>FY 08</b>			<b>FY 09</b>			<b>FY 10</b>		
		CD	Total Cost	Qty	Unit Cost	Total Cost	Qty	Unit Cost	Total Cost	Qty	Unit Cost
			\$000	Units	\$000	\$000	Units	\$000	\$000	Units	\$000
<b>HARDWARE</b>											
MFCS (M95) - 120mm Mortar Mounted			1845	15	123	1845	15	123			
MFCS (M96) - FDC Mounted			117	3	39	117	3	39			
MFCS (M150) - 120MM Mortar Dismounted			9200	92	100	9100	91	100	6420	60	107
MFCS ( M151) - FDC Dismounted			738	18	41	779	19	41	350	10	35
Talin			4730	110	43				2640	60	44
<b>Subtotal Hardware</b>			<b>16630</b>			<b>11841</b>			<b>9410</b>		
<b>PRODUCTION SUPPORT</b>											
Production Engineering			650			2101			1980		
Government ILS						224			228		
Software Support			155			950					
Proof and Acceptance			500			900			918		
Fielding, Installation & New Equip Trng			1086			1946			1602		
<b>SUBTOTAL PRODUCTION SUPPORT</b>			<b>2391</b>			<b>6121</b>			<b>4728</b>		
<b>NON RECURRING COSTS</b>											
Engineering Data						471					
First Article Testing						1417			102		
Software Blocking			405			640			1067		
Manuals			185			485			213		
<b>SUBTOTAL NRE</b>			<b>590</b>			<b>3013</b>			<b>1382</b>		
<b>Total:</b>			<b>19611</b>			<b>20975</b>			<b>15520</b>		

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

Date:  
May 2009

Appropriation/Budget Activity/Serial No: Other Procurement, Army/ 2/ Communications and Electronics Equipment	Weapon System Type:	P-1 Line Item Nomenclature: MORTAR FIRE CONTROL SYSTEM (K99300)								
WBS Cost Elements:	Contractor and Location	Contract Method and Type	Location of PCO	Award Date	Date of First Delivery	QTY Each	Unit Cost \$000	Specs Avail Now?	Date Revsn Avail	RFP Issue Date
<b>MFCS (M95) - 120mm Mortar Mounted</b>										
FY 2008	Elbit Systems of America Fort Worth, TX	C/FP	Picatinny, NJ	Apr 09	Feb 10	15	123	Yes		
FY 2009	Elbit Systems of America Fort Worth, TX	SS/Option	Picatinny, NJ	Apr 09	Feb 10	15	123	Yes		
<b>MFCS (M96) - FDC Mounted</b>										
FY 2009	Elbit Systems of America Fort Worth, TX	C/FP	Picatinny, NJ	Apr 09	Feb 10	3	39	Yes		
FY 2008	Elbit Systems of America Fort Worth, TX	SS/Option	Picatinny, NJ	Apr 09	Feb 10	3	39	Yes		
<b>MFCS (M150) - 120MM Mortar Dismounted</b>										
FY 2008	Elbit Systems of America Fort Worth, TX	C/FP	Picatinny, NJ	Apr 09	Feb 10	92	100	Yes		
FY 2009	Elbit Systems of America Fort Worth, TX	SS/Option	Picatinny, NJ	Apr 09	Apr 10	91	100	Yes		
FY 2010	Elbit Systems of America Fort Worth, TX	SS/Option	Picatinny, NJ	Dec 09	Oct 10	60	107	Yes		
<b>MFCS (M151) - FDC Dismounted</b>										
FY 2008	Elbit Systems of America Fort Worth, TX	C/Option	Picatinny, NJ	Apr 09	Feb 10	18	41	Yes		
FY 2009	Elbit Systems of America Fort Worth, TX	SS/Option	Picatinny, NJ	Apr 09	Mar 10	19	41	Yes		
FY 2010	Elbit Systems of America Fort Worth, TX	SS/Option	Picatinny, NJ	Dec 09	Oct 10	10	35	Yes		
<b>Talin</b>										
FY 2008	Honeywell Sensor and Guidance Clearwater, FL	SS/Option	Warren, MI	Sep 08	Jul 09	110	43	Yes		
FY 2010	Honeywell Sensor and Guidance Clearwater, FL	SS/Option	Warren, MI	Dec 09	Oct 10	60	44	Yes		

REMARKS:

<b>FY 09 / 10 BUDGET PRODUCTION SCHEDULE</b>														P-1 ITEM NOMENCLATURE MORTAR FIRE CONTROL SYSTEM (K99300)										Date: May 2009	
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COST ELEMENTS						Fiscal Year 09														Fiscal Year 10										Later				
M F R	FY	S E R V	PROC QTY Units	ACCEP PRIOR TO 1 OCT	BAL DUE AS OF 1 OCT	Calendar Year 09														Calendar Year 10														
						O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P					
MFCS (M95) - 120mm Mortar Mounted																																		
1	FY 08	A	15	0	15																								0					
1	FY 09	A	15	0	15																								0					
MFCS (M96) - FDC Mounted																																		
1	FY 08	A	3	0	3																								0					
1	FY 09	A	3	0	3																								0					
MFCS (M150) - 120MM Mortar Dismounted																																		
1	FY 08	A	92	0	92																					40	40	12					0	
1	FY 09	A	91	0	91																							38	40	13				0
1	FY 10	A	60	0	60																												60	
MFCS (M151) - FDC Dismounted																																		
1	FY 08	A	18	0	18																							10	8					0
1	FY 09	A	19	0	19																							2	8	9				0
1	FY 10	A	10	0	10																												10	
Talin																																		
2	FY 10	A	60	0	60																												60	
						O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P					

M F R	Name - Location	PRODUCTION RATES			Reached D+	MFR	ADMIN LEAD TIME		MFR After 1 Oct	TOTAL After 1 Oct	REMARKS	
		MIN	1-8-5	MAX			1	Initial				After 1 Oct
1	Elbit Systems of America, Fort Worth, TX	5	50	75		1	Initial	3	19	10	29	
							Reorder	3	6	11	17	
2	Honeywell Sensor and Guidance, Clearwater, FL	5	40	50		2	Initial	3	9	10	19	
							Reorder	3	6	10	16	
							Initial					
							Reorder					
							Initial					
							Reorder					
							Initial					
							Reorder					



COST ELEMENTS						Fiscal Year 09														Fiscal Year 10														Later
MFR	FY	SERV	PROC QTY Units	ACCEP PRIOR TO 1 OCT	BAL DUE AS OF 1 OCT	Calendar Year 09														Calendar Year 10														
						OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP					
Total																																		130
						OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP					

MFR	Name - Location	PRODUCTION RATES			Reached D+	MFR	ADMIN LEAD TIME		MFR After 1 Oct	TOTAL After 1 Oct	REMARKS	
		MIN	1-8-5	MAX			Prior 1 Oct	After 1 Oct				
1	Elbit Systems of America, Fort Worth, TX	5	50	75		1	Initial	3	19	10	29	
							Reorder	3	6	11	17	
2	Honeywell Sensor and Guidance, Clearwater, FL	5	40	50		2	Initial	3	9	10	19	
							Reorder	3	6	10	16	
							Initial					
							Reorder					
							Initial					
							Reorder					
							Initial					
							Reorder					

<b>FY 11 / 12 BUDGET PRODUCTION SCHEDULE</b>														P-1 ITEM NOMENCLATURE MORTAR FIRE CONTROL SYSTEM (K99300)										Date: May 2009	
--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	-------------------	--

COST ELEMENTS						Fiscal Year 11														Fiscal Year 12														Later
M F R	FY	S E R V	PROC QTY Units	ACCEP PRIOR TO 1 OCT	BAL DUE AS OF 1 OCT	Calendar Year 11														Calendar Year 12														
						O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P					
MFCS (M95) - 120mm Mortar Mounted																																		
1	FY 08	A	15	15																									0					
1	FY 09	A	15	15																									0					
MFCS (M96) - FDC Mounted																																		
1	FY 08	A	3	3																									0					
1	FY 09	A	3	3																									0					
MFCS (M150) - 120MM Mortar Dismounted																																		
1	FY 08	A	92	92																									0					
1	FY 09	A	91	91																									0					
1	FY 10	A	60	0	60	30	30																						0					
MFCS ( M151) - FDC Dismounted																																		
1	FY 08	A	18	18																									0					
1	FY 09	A	19	19																									0					
1	FY 10	A	10	0	10	6	4																						0					
Talin																																		
2	FY 10	A	60	0	60	10	20	20	10																				0					
						O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P					

M F R	Name - Location	PRODUCTION RATES			Reached D+	MFR	ADMIN LEAD TIME		MFR After 1 Oct	TOTAL After 1 Oct	REMARKS		
		MIN	1-8-5	MAX			1	Initial				Prior 1 Oct	After 1 Oct
1	Elbit Systems of America, Fort Worth, TX	5	50	75		1	Initial	3	19	10	29		
							Reorder	3	6	11	17		
2	Honeywell Sensor and Guidance, Clearwater, FL	5	40	50		2	Initial	3	9	10	19		
							Reorder	3	6	10	16		
							Initial						
							Reorder						
							Initial						
							Reorder						
							Initial						
							Reorder						

**FY 11 / 12 BUDGET PRODUCTION SCHEDULE**

P-1 ITEM NOMENCLATURE  
MORTAR FIRE CONTROL SYSTEM (K99300)

Date: May 2009

**COST ELEMENTS**

**Fiscal Year 11**

**Fiscal Year 12**

MFR	FY	SERV	PROC QTY Units	ACCEP PRIOR TO 1 OCT	BAL DUE AS OF 1 OCT	Calendar Year 11														Calendar Year 12												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				
<b>Total</b>					130	46	54	20	10																								
						OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP				

MFR	Name - Location	PRODUCTION RATES			Reached D+	MFR	ADMIN LEAD TIME		MFR After 1 Oct	TOTAL After 1 Oct	REMARKS	
		MIN	1-8-5	MAX			Prior 1 Oct	After 1 Oct				
1	Elbit Systems of America, Fort Worth, TX	5	50	75		1	Initial	3	19	10	29	
							Reorder	3	6	11	17	
2	Honeywell Sensor and Guidance, Clearwater, FL	5	40	50		2	Initial	3	9	10	19	
							Reorder	3	6	10	16	
							Initial					
							Reorder					
							Initial					
							Reorder					
							Initial					
							Reorder					

<b>Exhibit P-40, Budget Item Justification Sheet</b>						Date: May 2009
Appropriation / Budget Activity / Serial No: Other Procurement, Army / 2 / Communications and Electronics Equipment				P-1 Item Nomenclature COUNTERFIRE RADARS (BA5500)		
Program Elements for Code B Items: PE 0604823A L88		Code: B	Other Related Program Elements:			
	Prior Years	FY 2008	FY 2009	FY 2010	To Complete	Total Prog
Proc Qty					Continuing	Continuing
Gross Cost		160.3	106.7	220.7	Continuing	Continuing
Less PY Adv Proc						
Plus CY Adv Proc						
Net Proc P1		160.3	106.7	220.7	Continuing	Continuing
Initial Spares						
Total Proc Cost		160.3	106.7	220.7	Continuing	Continuing
Flyaway U/C						
Weapon System Proc U/C					Continuing	Continuing
<b>Description:</b> Firefinder (BA5500) (EQ-36) is an enhancement of the aging AN/TPQ-36(V)8 and AN/TPQ-37 target acquisition counter fire radar system. The EQ-36 System will provide improved operational and physical functionality over the existing AN/TPQ-36(V)8 radar system. The EQ-36 System will provide Warfighters continuous and responsive counter-battery target acquisition capabilities for all types and phases of military operations. This radar system will detect in-flight projectiles and determine and communicate firing point locations of mortars, artillery, rockets and missiles with a high degree of accuracy and low false alarm rates. Additionally, it will be deployable and capable of operation in varying terrain and climatic conditions. The EQ-36 System provides AN/TPQ-37 type performance and improves operational and support costs.						
<b>Justification:</b> FY10 Base procurement dollars in the amount of \$194.665 million supports the procurement and test of fourteen (14) Enhanced AN/TPQ-36 (EQ-36) Radars.  FY10 OCO procurement dollars in the amount of \$26.000 million supports the critically needed repair activities for fielded Initial Production EQ-36 Radars, spare repair parts, test sets and Interim Contractor Support (ICS)						

<b>Exhibit P-40, Budget Item Justification Sheet</b>	Date: May 2009
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Appropriation / Budget Activity / Serial No: Other Procurement, Army / 2 / Communications and Electronics Equipment	P-1 Item Nomenclature ENHANCED AN/TPQ 36 (B05310)
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Program Elements for Code B Items:	Code:	Other Related Program Elements:
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	Prior Years	FY 2008	FY 2009	FY 2010	To Complete	Total Prog
Proc Qty						
Gross Cost		160.3	106.7	220.7	Continuing	Continuing
Less PY Adv Proc						
Plus CY Adv Proc						
Net Proc P1		160.3	106.7	220.7	Continuing	Continuing
Initial Spares						
Total Proc Cost		160.3	106.7	220.7	Continuing	Continuing
Flyaway U/C						
Weapon System Proc U/C					Continuing	Continuing

**Description:**  
The Enhanced AN/TPQ-36 (EQ-36) radar system is an enhancement of the aging AN/TPQ-36(V) 8 and AN/TPQ-37 target acquisition counter fire radar system. The EQ-36 System will provide improved operational and physical functionality over the existing AN/TPQ-36(V)8 radar system. The EQ-36 System will provide Warfighters continuous and responsive counter-battery target acquisition capabilities for all types and phases of military operations. This radar system will detect in-flight projectiles and determine and communicate firing point locations of mortars, artillery, rockets and missiles with a high degree of accuracy and low false alarm rates. Additionally, it will be deployable and capable of operation in varying terrain and climatic conditions. The EQ-36 System provides AN/TPQ-37 type performance and improves operational and support costs.

**Justification:**  
FY10 Base procurement dollars in the amount of \$194.665 million supports the procurement and test of fourteen (14) Enhanced AN/TPQ-36 (EQ-36) Radars.

FY10 OCO procurement dollars in the amount of \$26.000 million supports the critically needed repair activities for fielded Initial production EQ-36 Radars, spare repair parts, test sets and Interim Contractor Support (ICS)

		FY2008	FY2009	FY2010
Active	QTY			
	Gross Cost	\$160,344	\$94,745	\$220,665
National Guard	QTY			
	Gross Cost	\$0	\$12,000	\$0
Reserve	QTY			
	Gross Cost	\$0	\$0	\$0

<b>OPA2 Cost Elements</b>		ID	<b>FY 08</b>			<b>FY 09</b>			<b>FY 10</b>		
		CD	Total Cost	Qty	Unit Cost	Total Cost	Qty	Unit Cost	Total Cost	Qty	Unit Cost
			\$000	Each	\$000	\$000	Each	\$000	\$000	Each	\$000
Hardware (EQ-36)			67346	12	5612	60652	5	12130	160573	14	11470
Hardware (Non-Recurring Engineering)			84287								
Ancillary Equipment			5314			6379			15864		
Engineering Change Orders						1692			4670		
Testing						4525			4682		
Integrated Logistics Support			604			25100			26000		
Training Devices						3250					
Fielding			217			1005			1574		
Post Deployment Software Support									582		
Program Management Support			2576			4142			6720		
<b>Total:</b>			<b>160344</b>			<b>106745</b>			<b>220665</b>		

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

Date:  
May 2009

WBS Cost Elements:	Contractor and Location	Contract Method and Type	Location of PCO	Award Date	Date of First Delivery	QTY Each	Unit Cost \$000	Specs Avail Now?	Date Revsn Avail	RFP Issue Date
Appropriation/Budget Activity/Serial No: Other Procurement, Army/ 2/ Communications and Electronics Equipment										
		Weapon System Type:	P-1 Line Item Nomenclature: ENHANCED AN/TPQ 36 (B05310)							
<b>Hardware (EQ-36)</b> FY 2008 FY 2009 FY 2010	Lockheed Martin Syracuse, NY Lockheed Martin Syracuse, NY Lockheed Martin Syracuse, NY	C/FP SS/FP SS/FP	CECOM CECOM CECOM	Jul 08 Jul 09 Nov 09	Jan 10 Nov 10 Feb 11	12 5 14	5612 12130 11470	NO NO NO		

REMARKS:

**FY 09 / 10 BUDGET PRODUCTION SCHEDULE**

P-1 ITEM NOMENCLATURE  
ENHANCED AN/TPQ 36 (B05310)

Date: May 2009

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

Hardware (EQ-36)																															
1	FY 08	A	12	0	12																1		1		1	2	2	1	2	2	
1	FY 09	A	5	0	5									A																5	
1	FY 10	A	14	0	14																									14	
Total																															
					31																	1		1		1	2	2	1	2	21
<div style="display: flex; justify-content: space-between; font-size: small;"> <span>OCT</span><span>NOV</span><span>DEC</span><span>JAN</span><span>FEB</span><span>MAR</span><span>APR</span><span>MAY</span><span>JUN</span><span>JUL</span><span>AUG</span><span>SEP</span><span>OCT</span><span>NOV</span><span>DEC</span><span>JAN</span><span>FEB</span><span>MAR</span><span>APR</span><span>MAY</span><span>JUN</span><span>JUL</span><span>AUG</span><span>SEP</span> </div>																															

MFR	Name - Location	PRODUCTION RATES			Reached D+	MFR 1	ADMIN LEAD TIME		MFR After 1 Oct	TOTAL After 1 Oct	REMARKS
		MIN	1-8-5	MAX			Prior 1 Oct	After 1 Oct			
		1	Lockheed Martin, Syracuse, NY	12			24	60		Initial	
						Reorder	0	1	15	16	
						Initial					
						Reorder					
						Initial					
						Reorder					
						Initial					
						Reorder					
						Initial					
						Reorder					



<b>FY 11 / 12 BUDGET PRODUCTION SCHEDULE</b>	P-1 ITEM NOMENCLATURE ENHANCED AN/TPQ 36 (B05310)	Date: May 2009
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COST ELEMENTS						Fiscal Year 11													Fiscal Year 12													Later
M F R	FY	S E R V	PROC QTY Each	ACCEP PRIOR TO 1 OCT	BAL DUE AS OF 1 OCT	Calendar Year 11													Calendar Year 12													
						O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P			

Hardware (EQ-36)																																		
1	FY 08	A	12	10	2	2																												0
1	FY 09	A	5	0	5		2	1	2																									0
1	FY 10	A	14	0	14					2	2	2	2	2	2	2																		0
Total					21	2	2	1	2	2	2	2	2	2	2																			
						O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P					

M F R	Name - Location	PRODUCTION RATES			Reached D+	MFR	ADMIN LEAD TIME		MFR After 1 Oct	TOTAL After 1 Oct	REMARKS	
		MIN	1-8-5	MAX			Prior 1 Oct	After 1 Oct				
1	Lockheed Martin, Syracuse, NY	12	24	60		1	Initial	0	1	18	19	
							Reorder	0	1	15	16	
							Initial					
							Reorder					
							Initial					
							Reorder					
							Initial					
							Reorder					
							Initial					
							Reorder					

<b>Exhibit P-40, Budget Item Justification Sheet</b>						Date: May 2009
Appropriation / Budget Activity / Serial No: Other Procurement, Army / 2 / Communications and Electronics Equipment				P-1 Item Nomenclature Enhanced Sensor & Monitoring System (BZ5050)		
Program Elements for Code B Items:		Code:	Other Related Program Elements:			
	Prior Years	FY 2008	FY 2009	FY 2010	To Complete	Total Prog
Proc Qty						
Gross Cost	15.2		2.0	1.9		19.2
Less PY Adv Proc						
Plus CY Adv Proc						
Net Proc P1	15.2		2.0	1.9		19.2
Initial Spares						
Total Proc Cost	15.2		2.0	1.9		19.2
Flyaway U/C						
Weapon System Proc U/C						
<p><b>Description:</b>  This program addresses requirements validated by the Office of the Under Secretary of Defense, Acquisition, Technology &amp; Logistics (OUSD AT&amp;L) as related to Weapons of Mass Destruction (WMD) arms control and disarmament. The Department of Defense has responsibility to manage the implementation, compliance, monitoring and inspection for existing and emerging nuclear arms control activities. Manage DoD capabilities to Collect, Process, and Analyze Data from the Global International Monitoring System (IMS). There is a total of 24 US IMS Stations managed and operated by this program.</p> <p><b>Justification:</b>  FY 2010 Base funding in the amount of \$1.944 million will procure special equipment for U.S. monitoring stations.</p>						

<b>Exhibit P-40, Budget Item Justification Sheet</b>						Date: May 2009
Appropriation / Budget Activity / Serial No: Other Procurement, Army / 2 / Communications and Electronics Equipment				P-1 Item Nomenclature TACTICAL OPERATIONS CENTERS (BZ9865)		
Program Elements for Code B Items:		Code:	Other Related Program Elements:			
	Prior Years	FY 2008	FY 2009	FY 2010	To Complete	Total Prog
Proc Qty						
Gross Cost	841.2	513.1	146.8	29.9	Continuing	Continuing
Less PY Adv Proc						
Plus CY Adv Proc						
Net Proc P1	841.2	513.1	146.8	29.9	Continuing	Continuing
Initial Spares						
Total Proc Cost	841.2	513.1	146.8	29.9	Continuing	Continuing
Flyaway U/C						
Weapon System Proc U/C					Continuing	Continuing
<b>Description:</b>						
<p>The Command Post Systems and Integration (CPS&amp;I) (formerly Tactical Operations Centers) program is currently supporting OIF/OEF by providing commanders and their staffs with digitized platforms and command information centers that support the operational needs of the current Heavy, Infantry, and Stryker Brigade Combat Teams, with direct applicability to the Future Force. Based on the approved Standardized Integrated Command Post System (SICPS) Capability Production Document (CPD), SICPS is a family of systems that consists of the Command Post Platform (CPP), Trailer Mounted Support System (TMSS), Command Center System (CCS), and Command Post Communications System (CPCS). SICPS provides standardized Command Post infrastructure allowing commanders and staffs to digitally plan, prepare, and execute operations through systematic integration of Army tactical communications systems, multiple Army Battle Command Systems (ABCS) and supporting systems into standard platforms. SICPS is an enabler that supports the capability needed to realize shared situational understanding by integrating various approved Army/Joint Command and Control (C2) communications and network systems in a collaborative environment to display the Common Operational Picture (COP) and enable integrated Battle Command capability. Fielded legacy TOCs include Stryker Brigade Combat Teams. SICPS is currently being fielded IAW with the Army Campaign Plan. SICPS Full Rate Production (FRP) including Type Classification-Standard and Full Materiel Release was approved in May 2007. Currently, the CPS&amp;I program is providing OIF/OEF support to the 101AA, 4ID, 25ID, Third Army, and elements of 1AD, 1ID, 3 ID, 10MTN, 1CD, 3 ACR and 116 HBCT.</p>						
<b>Justification:</b>						
<p>FY 2010 Base procurement dollars in the amount of \$29.934 million procures Government Furnished Equipment (GFE) and integrates, assembles, tests and fields Command Post Platform (CPP), Command Center System (CCS), and Command Post Communications System (CPCS) for units deploying to OIF/OEF.</p>						

<b>Exhibit P-5, Weapon OPA2 Cost Analysis</b>		Appropriation/Budget Activity/Serial No: Other Procurement, Army / 2 / Communications and Electronics Equipment			P-1 Line Item Nomenclature: TACTICAL OPERATIONS CENTERS (BZ9865)			Weapon System Type:		Date: May 2009	
<b>OPA2 Cost Elements</b>		ID	<b>FY 08</b>			<b>FY 09</b>			<b>FY 10</b>		
		CD	Total Cost	Qty	Unit Cost	Total Cost	Qty	Unit Cost	Total Cost	Qty	Unit Cost
			\$000	Units	\$000	\$000	Units	\$000	\$000	Units	\$000
1. System Integration/Hardware			467832			95220			9974		
2. Project Management Administration			6653			6670			4404		
3. Fielding (TPF,NET,FDT)			27375			30716			8993		
4. Engineering Support			11213			14205			6563		
<b>Total:</b>			<b>513073</b>			<b>146811</b>			<b>29934</b>		

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

Date:  
May 2009

WBS Cost Elements:	Contractor and Location	Contract Method and Type	Location of PCO	Award Date	Date of First Delivery	QTY Each	Unit Cost \$000	Specs Avail Now?	Date Revsn Avail	RFP Issue Date
<b>1. System Integration/Hardware</b>										
FY 2008	NGMS CPP Huntsville, AL	C/FFP OPT	AMCOM, Redstone Arsenal, AL	Dec 07	Jun 08	110		Y		
FY 2009	NGMS CPP Huntsville, AL	C/FFP OPT	AMCOM, Redstone Arsenal, AL	Dec 08	Jun 09	32		Y		
FY 2010	NGMS CPP Huntsville, AL	C/FFP OPT	AMCOM, Redstone Arsenal, AL	Jan 10	Jul 10	8		Y		
FY 2008	NGMS TMSS Huntsville, AL	C/FFP	AMCOM, Redstone Arsenal, AL	Aug 08	Nov 08	957		Y		
FY 2009	NGMS TMSS Huntsville, AL	C/FFP OPT	AMCOM, Redstone Arsenal, AL	Dec 08	Mar 09	296		Y		

REMARKS:

<b>FY 09 / 10 BUDGET PRODUCTION SCHEDULE</b>														P-1 ITEM NOMENCLATURE TACTICAL OPERATIONS CENTERS (BZ9865)										Date: May 2009	
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COST ELEMENTS					Fiscal Year 09														Fiscal Year 10														Later	
					Calendar Year 09														Calendar Year 10															
M F R	FY	S E R V	PROC QTY Units	ACCEP PRIOR TO 1 OCT	BAL DUE AS OF 1 OCT	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				
						C	V	E	A	E	A	A	U	U	U	E	C	V	E	A	B	R	R	Y	N	L	G	P	T	V	C	N	B	R
CPP																																		
1	FY 08	A	110	38	72	9	9	9	9	9	9	9	9																					0
1	FY 09	A	32	0	32			A						8	8	8	8																	0
1	FY 10	A	8	0	8																A										8		0	
TMSS																																		
2	FY 08	A	957	0	957		80	80	80	80	80	80	80	80	80	80	77																	0
2	FY 09	A	296	0	296			A			25	25	25	25	25	25	25	25	25	25	25	21											0	
Total						1365	9	89	89	89	89	114	114	114	113	113	113	113	102	25	25	25	21										8	
						O	N	D	J	F	M	A	M	J	J	A	S	O	N	D	J	F	M	A	M	J	J	A	S					
						C	V	E	A	E	A	A	U	U	U	E	C	V	E	A	B	R	R	Y	N	L	G	P						

M F R	Name - Location	PRODUCTION RATES			Reached D+	MFR	ADMIN LEAD TIME		MFR After 1 Oct	TOTAL After 1 Oct	REMARKS	
		MIN	1-8-5	MAX			Prior 1 Oct	After 1 Oct				
1	NGMS CPP, Huntsville, AL	8	14	25		1	Initial	0	0	6	6	
							Reorder	0	0	0	0	
2	NGMS TMSS, Huntsville, AL	25	53	80		2	Initial	0	0	3	3	
							Reorder	0	0	0	0	
3	TBD CPP, TBD	8	14	25		3	Initial	0	0	6	6	
							Reorder	0	0	0	0	
							Initial					
							Reorder					

<b>Exhibit P-40, Budget Item Justification Sheet</b>						Date: May 2009
Appropriation / Budget Activity / Serial No: Other Procurement, Army / 2 / Communications and Electronics Equipment				P-1 Item Nomenclature FIRE SUPPORT C2 FAMILY (B28501)		
Program Elements for Code B Items:		Code:	Other Related Program Elements:			
	Prior Years	FY 2008	FY 2009	FY 2010	To Complete	Total Prog
Proc Qty						
Gross Cost	901.3	71.3	68.5	53.9		1095.0
Less PY Adv Proc						
Plus CY Adv Proc						
Net Proc P1	901.3	71.3	68.5	53.9		1095.0
Initial Spares						
Total Proc Cost	901.3	71.3	68.5	53.9		1095.0
Flyaway U/C						
Weapon System Proc U/C						
<b>Description:</b>						
The Fire Support Command and Control (FSC2) systems automate the process of fire support coordination. Fire support coordination is the planning and execution of fires so that a suitable weapon or group of weapons adequately covers targets. Fire support is the effects of lethal and non-lethal weapons (fires) that directly support land, maritime, amphibious and special operation forces to engage enemy forces, combat formations, and facilities in pursuit of tactical and operational objectives.						
Beginning in FY08, the following systems were realigned under the FSC2 Family: Advanced Field Artillery Tactical Data System (AFATDS)(B28600), Modernization in Service (MIS)(B28620), Light Weight Technical Fire Direction System (LWTFDS)(B78400), Gun Display Unit - Replacement (GDU-R)(B28502), Ruggedized Handheld Computer (RHC)(B28503) and Pocket-sized Forward Entry Device (PFED)(BZ9851).						
<b>Justification:</b>						
FY10 Base procurement dollars procure 212 AFATDS, fielding support for LWTFDS, 69 Gunner/Assistant Gunner Displays for GDU-R, 56 RHCs and 87 PFEDs to modernize the Active Army/National Guard and to support Operation Enduring Freedom/Operation Iraqi Freedom.						
FY10 Overseas Contingency Operation (OCO) procurement dollars procure 116 AFATDS, 308 PFEDs and 576 Gunner/Assistant Gunner Displays for the GDU-R.						

<b>OPA2 Cost Elements</b>		ID CD	<b>FY 08</b>			<b>FY 09</b>			<b>FY 10</b>		
			Total Cost	Qty	Unit Cost	Total Cost	Qty	Unit Cost	Total Cost	Qty	Unit Cost
			\$000	Each	\$000	\$000	Each	\$000	\$000	Each	\$000
Gun Display Unit -Replacement (GDU-R)			10995	750	13	3170	357	9	3935	645	6
Ruggedized Handheld Computer (RHC)			6559	258	22	5117	158	32	2383	56	43
Advanced Field Artillery Tactical Data System (AFATDS)			24056	323	74	36359	540	67	1540	17	91
Modernization -In-Service (MIS)			13295	178	75	14325	193	74	35323	311	114
Light Weight Technical Fire Direction System (LWTFDS)			1471	92	5	2896	310	9	597		
Pocket-sized Forward Entry Device (PFED)			14945	810	13	6670	300	22	10104	395	26
<b>Total:</b>			<b>71321</b>			<b>68537</b>			<b>53882</b>		



<b>Exhibit P-40, Budget Item Justification Sheet</b>						Date: May 2009
Appropriation / Budget Activity / Serial No: Other Procurement, Army / 2 / Communications and Electronics Equipment				P-1 Item Nomenclature Gun Display Unit -Replacement (GDU-R) (B28502)		
Program Elements for Code B Items:		Code:	Other Related Program Elements:			
	Prior Years	FY 2008	FY 2009	FY 2010	To Complete	Total Prog
Proc Qty						
Gross Cost		11.0	3.2	3.9	Continuing	Continuing
Less PY Adv Proc						
Plus CY Adv Proc						
Net Proc P1		11.0	3.2	3.9	Continuing	Continuing
Initial Spares						
Total Proc Cost		11.0	3.2	3.9	Continuing	Continuing
Flyaway U/C						
Weapon System Proc U/C					Continuing	Continuing
<b>Description:</b>						
The Gun Display Unit-Replacement (GDU-R) replaces the Gun Display Unit (GDU) which was fielded in the 1980s and is no longer maintainable. The GDU-R is a handheld system which digitally receives firing commands (elevation, deflection, fuze and powder mixes) from the cannon Fire Direction Center (FDC). The section chief receives the commands from the FDC and sends them to the crews of non-digitized howitzers via the GDU-R, thereby allowing quicker crew actions with significantly less intervention than when using voice commands. The GDU-R software is hosted on a Rugged Personal Digital Assistant (RPDA) for the section chief and wrist mounted or ground mounted gunner/assistant gunner displays for the cannon crews. This automated system allows for accurate and timely cannon firing. GDU-R operates in self-propelled (Non Paladin) and towed Howitzer weapons.						
<b>Justification:</b>						
FY10 Base procurement dollars procure 69 Gunner/Assistant gunner displays for the GDU-R.						
FY10 Overseas Contingency Operation (OCO) procurement dollars procure 576 Gunner/Assistant gunner displays for the GDU-R.						
		FY2008	FY2009	FY2010		
Active	QTY					
	Gross Cost	1295	1170	3285		
National Guard	QTY					
	Gross Cost	9700	2000	650		
Reserve	QTY					
	Gross Cost	0	0	0		

<b>Exhibit P-5, Weapon OPA2 Cost Analysis</b>		Appropriation/Budget Activity/Serial No: Other Procurement, Army / 2 / Communications and Electronics Equipment			P-1 Line Item Nomenclature: Gun Display Unit -Replacement (GDU-R) (B28502)			Weapon System Type:		Date: May 2009	
<b>OPA2 Cost Elements</b>		ID	<b>FY 08</b>			<b>FY 09</b>			<b>FY 10</b>		
		CD	Total Cost	Qty	Unit Cost	Total Cost	Qty	Unit Cost	Total Cost	Qty	Unit Cost
			\$000	Each	\$000	\$000	Each	\$000	\$000	Each	\$000
HW-GDU-R without displays			9542	750	13						
HW-Gunner/Assistant Gunner Displays						1786			3225		
Project Management Administration			680			457			265		
Engineering Support			373			346			25		
Fielding			400			581			420		
<b>Total:</b>			<b>10995</b>			<b>3170</b>			<b>3935</b>		

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

Date:  
May 2009

WBS Cost Elements:	Contractor and Location	Contract Method and Type	Location of PCO	Award Date	Date of First Delivery	QTY Each	Unit Cost \$000	Specs Avail Now?	Date Revsn Avail	RFP Issue Date
<b>Appropriation/Budget Activity/Serial No:</b> Other Procurement, Army/ 2/ Communications and Electronics Equipment	<b>Weapon System Type:</b>		<b>P-1 Line Item Nomenclature:</b> Gun Display Unit -Replacement (GDU-R) (B28502)							
<b>HW-GDU-R without displays</b> FY 2008	General Dynamics Taunton, MA	C/Option	CECOM LCMC, Ft Monmouth, NJ	Feb 08	Nov 08	750	13	Yes		
<b>HW-Gunner/Assistant Gunner Displays</b> FY 2009	General Dynamics Taunton, MA	C/Option	CECOM LCMC, Ft Monmouth, NJ	Jul 09	Apr 10					
FY 2010	General Dynamics Taunton, MA	C/Option	CECOM LCMC, Ft Monmouth, NJ	Jan 10	Oct 10					

REMARKS: COTS Purchases

<b>Exhibit P-40, Budget Item Justification Sheet</b>	Date: May 2009
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Appropriation / Budget Activity / Serial No: Other Procurement, Army / 2 / Communications and Electronics Equipment	P-1 Item Nomenclature Ruggedized Handheld Computer (RHC) (B28503)
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Program Elements for Code B Items:	Code:	Other Related Program Elements:
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	Prior Years	FY 2008	FY 2009	FY 2010	To Complete	Total Prog
Proc Qty						
Gross Cost		6.6	5.1	2.4		14.1
Less PY Adv Proc						
Plus CY Adv Proc						
Net Proc P1		6.6	5.1	2.4		14.1
Initial Spares						
Total Proc Cost		6.6	5.1	2.4		14.1
Flyaway U/C						
Weapon System Proc U/C						

**Description:**  
The RHC, also known as the Lightweight Forward Entry Device (LFED) replaces the much heavier Forward Entry Device (FED). RHC/LFED hosts the Forward Observer System (FOS) software which enables mounted forward observers and fire support officers to plan, control and execute fire support operations at maneuver platoon, company, battalion and brigade levels. RHC/LFED is fully interoperable with both the Advanced Field Artillery Tactical Data System (AFATDS) and current fire support systems. When coupled with the existing and future tactical communications systems, RHC/LFED enables the rapid Sensor-to-Shooter capabilities. When interfaced with the Pocket-sized Forward Entry Device (PFED) and AFATDS, these systems' functions are improved as a whole and increase their performance as a system of systems. The software is hosted on a Rugged Handheld Computer (RHC).

**Justification:**  
FY10 Base procurement dollars procure 56 RHCs.

		FY2008	FY2009	FY2010
Active	QTY			
	Gross Cost	2550	2934	783
National Guard	QTY			
	Gross Cost	4000	2183	1600
Reserve	QTY			
	Gross Cost	0	0	0

<b>Exhibit P-5, Weapon OPA2 Cost Analysis</b>	Appropriation/Budget Activity/Serial No: Other Procurement, Army / 2 / Communications and Electronics Equipment	P-1 Line Item Nomenclature: Ruggedized Handheld Computer (RHC) (B28503)	Weapon System Type:	Date: May 2009
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OPA2 Cost Elements	ID	FY 08			FY 09			FY 10		
	CD	Total Cost	Qty	Unit Cost	Total Cost	Qty	Unit Cost	Total Cost	Qty	Unit Cost
		\$000	Each	\$000	\$000	Each	\$000	\$000	Each	\$000
Hardware		5656	258	22	4169	158	26	1623	56	29
Project Management Administration		250			317			315		
Engineering Support		25			25			25		
Fielding		628			606			420		
<b>Total:</b>		<b>6559</b>			<b>5117</b>			<b>2383</b>		

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

Date:  
May 2009

Appropriation/Budget Activity/Serial No: Other Procurement, Army/ 2/ Communications and Electronics Equipment		Weapon System Type:	P-1 Line Item Nomenclature: Ruggedized Handheld Computer (RHC) (B28503)							
WBS Cost Elements:	Contractor and Location	Contract Method and Type	Location of PCO	Award Date	Date of First Delivery	QTY Each	Unit Cost \$000	Specs Avail Now?	Date Revsn Avail	RFP Issue Date
<b>Hardware</b>										
FY 2008	General Dynamics Taunton, MA	C/Option	CECOM LCMC, Ft Monmouth, NJ	Feb 08	Nov 08	258	22	Yes		
FY 2009	General Dynamics Taunton, MA	C/Option	CECOM LCMC, Ft Monmouth, NJ	Mar 09	Dec 09	158	26	Yes		
FY 2010	General Dynamics Taunton, MA	C/Option	CECOM LCMC, Ft Monmouth, NJ	Feb 10	Nov 10	56	29	Yes		

REMARKS: COTS purchases.

<b>Exhibit P-40, Budget Item Justification Sheet</b>						Date: May 2009
Appropriation / Budget Activity / Serial No: Other Procurement, Army / 2 / Communications and Electronics Equipment				P-1 Item Nomenclature ADV FA TAC DATA SYS (B28600)		
Program Elements for Code B Items:		Code:	Other Related Program Elements:			
	Prior Years	FY 2008	FY 2009	FY 2010	To Complete	Total Prog
Proc Qty						
Gross Cost	577.6	24.1	36.4	1.5		639.6
Less PY Adv Proc						
Plus CY Adv Proc						
Net Proc P1	577.6	24.1	36.4	1.5		639.6
Initial Spares						
Total Proc Cost	577.6	24.1	36.4	1.5		639.6
Flyaway U/C						
Weapon System Proc U/C						
<b>Description:</b>						
<p>The Advanced Field Artillery Tactical Data System (AFATDS) performs Command and Control, increases Situational Awareness and automates fire support coordination for the Army, Navy, Air Force and Marine Corps. Fire support is the effects of lethal and non-lethal weapons (fires) that directly support land, maritime, amphibious, and special operations forces to engage enemy forces, combat formations, and facilities in pursuit of tactical and operational objectives. Fire support coordination is the planning and execution of fires so that a suitable weapon or group of weapons adequately covers targets. AFATDS performs the attack analysis necessary to determine the optimal weapon target pairing to provide maximum use of the fire support assets. As a result of Operation Iraqi Freedom (OIF)/Operation Enduring Freedom (OEF), AFATDS has implemented precision fires capabilities in new/improved munitions such as Multiple Launch Rocket System (MLRS) Unitary Vertical Attack, Excalibur, Smart and 155 Bonus. Additional implemented capabilities include automatic conduct of Unit Fratricide Avoidance Checks and Collateral Damage Avoidance. AFATDS will field New Non Line of Sight - Launch System (NLOS-LS) Precision Attack Munition (PAM) and improved Command and Control (C2) for the United States Marine Corps (USMC) Firing platform and its new munitions. AFATDS will port to a windows based operating system in FY 08. AFATDS will automatically implement detailed commander's guidance in the automation of operational planning, movement control, targeting, target value analysis and fire support planning. This project is a replacement system for the Initial Fire Support Automated System (IFSAS), Battery Computer System (BCS) and Fire Direction System (FDS). AFATDS will interoperate with the other Army Battle Command Systems, current and future Army, Navy and Air Force Command and Control weapon systems, and the German, French, British, and Italian fire support systems. AFATDS automates the planning, coordinating and controlling of all fire support assets in the Joint battlespace (field artillery, mortars, close air support, naval gunfire, attack helicopters, and offensive electronic warfare) from Echelons Above Corps to Battery or Platoon in support of all levels of conflict. The system is composed of common hardware/software employed in varying configurations at different operational facilities (or nodes) and unique system software interconnected by tactical communications in the form of a software-driven, automated network. The system uses non-developmental, rugged common hardware/software, including the Unix Laptop Computer (ULC), Compact Computer Unit (CCU), Notebook Computer Unit (NCU) as well as vehicle installation kits (IKs). The current system support comes from the successful fielding of AFATDS Version A96 through 6.3.2, 6.4.0.1, 6.4.0.2 and 6.5. Version 6.5 is being fielded now.</p>						
<b>Justification:</b>						
FY10 Base procurement dollars procure 12 AFATDS.						
FY10 Overseas Contingency Operation (OCO) procurement dollars procure 5 AFATDS.						
FY2008 FY2009 FY2010						

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

Date: May 2009

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

P-1 Item Nomenclature  
ADV FA TAC DATA SYS (B28600)

Program Elements for Code B Items:

Code:

Other Related Program Elements:

Active	QTY			
	Gross Cost	23567	26314	783
National Guard	QTY			
	Gross Cost	489	10045	1600
Reserve	QTY			
	Gross Cost	0	0	0



<b>OPA2 Cost Elements</b>		ID	<b>FY 08</b>			<b>FY 09</b>			<b>FY 10</b>		
		CD	Total Cost	Qty	Unit Cost	Total Cost	Qty	Unit Cost	Total Cost	Qty	Unit Cost
			\$000	Units	\$000	\$000	Units	\$000	\$000	Units	\$000
Hardware			17784	323	55	29726	540	55	943	17	55
Project Management (PM)			1224			1282			116		
Engineering Support			1868			1923			171		
Interim Contractor Support (ICS)			282			417			39		
Field Integration Team (FIT)			1224			1282			116		
Fielding			1674			1729			155		
SBCT 2											
<b>Note:</b>											
The hardware cost is comprised of a mix of system configurations, IKS and peripherals.											
Unit costs in this table represent composites, calculated by dividing total hardware costs for any given year by the total of all hardware quantities for that same year.											
PM/Engineering/ICS/Fielding costs are shared with B28620 - MIS AFATDS.											
<b>Total:</b>			<b>24056</b>			<b>36359</b>			<b>1540</b>		

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

Date:  
May 2009

WBS Cost Elements:	Contractor and Location	Contract Method and Type	Location of PCO	Award Date	Date of First Delivery	QTY Each	Unit Cost \$000	Specs Avail Now?	Date Revsn Avail	RFP Issue Date
Appropriation/Budget Activity/Serial No: Other Procurement, Army/ 2/ Communications and Electronics Equipment										
		Weapon System Type:	P-1 Line Item Nomenclature: ADV FA TAC DATA SYS (B28600)							
<b>Hardware</b> FY 2008	General Dynamics Tauton, MA	C/OPTION	CECOM, Ft. Mon, NJ	Apr 08	Apr 09	323	55	YES		
FY 2009	General Dynamics Tauton, MA	/OPTION	CECOM, Ft. Mon, NJ	Apr 09	Oct 09	540	55	YES		
FY 2010	General Dynamics Tauton, MA	C/OPTION	CECOM, Ft. Mon, NJ	Jan 10	Jul 10	17	55	YES		

REMARKS: The above hardware is COTS and will be procured off the existing common hardware software (CHS III) contract.

<b>Exhibit P-40, Budget Item Justification Sheet</b>						Date: May 2009
Appropriation / Budget Activity / Serial No: Other Procurement, Army / 2 / Communications and Electronics Equipment				P-1 Item Nomenclature MOD OF IN-SVC EQUIP, AFATDS (B28620)		
Program Elements for Code B Items:		Code:	Other Related Program Elements:			
	Prior Years	FY 2008	FY 2009	FY 2010	To Complete	Total Prog
Proc Qty						
Gross Cost	18.9	13.3	14.3	35.3	Continuing	Continuing
Less PY Adv Proc						
Plus CY Adv Proc						
Net Proc P1	18.9	13.3	14.3	35.3	Continuing	Continuing
Initial Spares						
Total Proc Cost	18.9	13.3	14.3	35.3	Continuing	Continuing
Flyaway U/C						
Weapon System Proc U/C					Continuing	Continuing
<b>Description:</b>						
<p>The Advanced Field Artillery Tactical Data System (AFATDS) performs Command and Control, increases Situational Awareness and automates fire support coordination for the Army, Navy, Air Force and Marine Corps. Fire support is the effects of lethal and non-lethal weapons (fires) that directly support land, maritime, amphibious, and special operations forces to engage enemy forces, combat formations, and facilities in pursuit of tactical and operational objectives. Fire support coordination is the planning and execution of fires so that a suitable weapon or group of weapons adequately covers targets.</p> <p>AFATDS performs the attack analysis necessary to determine the optimal weapon target pairing to provide maximum use of the fire support assets. As a result of Operation Iraqi Freedom (OIF)/Operation Enduring Freedom (OEF), AFATDS has implemented precision fires capabilities in new/improved munitions such as Multiple Launch Rocket System (MLRS) Unitary Vertical Attack, Excalibur, Smart and 155 Bonus. Additional implemented capabilities include automatic conduct of Unit Fratricide Avoidance Checks and Collateral Damage Avoidance. AFATDS will field New Non Line of Sight - Launch System (NLOS-LS) Precision Attack Munition (PAM) and improved Command and Control (C2) for the United States Marine Corp (USMC) Firing platform and its new munitions. AFATDS will port to a Windows based operating system in FY 08. AFATDS will automatically implement detailed commander's guidance in the automation of operational planning, movement control, targeting, target value analysis and fire support planning. This project is a replacement system for the Initial Fire Support Automated System (IFSAS), Battery Computer System (BCS) and Fire Direction System (FDS). AFATDS will interoperate with the other Army Battle Command Systems, current and future Army, Navy and Air Force Command and Control weapon systems, and the German, French, British, and Italian fire support systems. AFATDS automates the planning, coordinating and controlling of all fire support assets in the Joint battlespace (field artillery, mortars, close air support, naval gunfire, attack helicopters, and offensive electronic warfare) from Echelons Above Corps to Battery or Platoon in support of all levels of conflict. The system is composed of common hardware/software employed in varying configurations at different operational facilities (or nodes) and unique system software interconnected by tactical communications in the form of a software-driven, automated network. The system uses non-developmental, rugged common hardware/software, including the Unix Laptop Computer (ULC), Compact Computer Unit (CCU), Notebook Computer Unit (NCU) as well as vehicle installation kits (IKs).</p> <p>Department of the Army Hardware Re-Procurement policy is to replace systems every five years. Without replacement, systems will become obsolete, or effectiveness is significantly diminished in comparison to the capability growth of the current market. A rebuy or upgrade is required to maintain operational effectiveness of the aging hardware. Funding contained in this line provides for upgrade or replacement of the oldest AFATDS computer workstations or components as required to maintain operational effectiveness in the field. The current system support comes from the successful fielding of AFATDS Versions A96, 6.3.2, 6.4.0.1 and 6.5. Version 6.5 is being fielded now.</p>						

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

Date: May 2009

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

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

Program Elements for Code B Items:

Code:

Other Related Program Elements:

**Justification:**

FY10 Base procurement dollars procure 200 AFATDS and 18 Rigid Wall Shelters (RWSs).  
FY10 Overseas Contingency Operation (OCO) procurement dollars procure 111 AFATDS.

		FY2008	FY2009	FY2010
Active	QTY			
	Gross Cost	13295	14325	33537
National Guard	QTY			
	Gross Cost	0	0	1786
Reserve	QTY			
	Gross Cost	0	0	0

<b>OPA2 Cost Elements</b>		ID	<b>FY 08</b>			<b>FY 09</b>			<b>FY 10</b>		
		CD	Total Cost	Qty	Unit Cost	Total Cost	Qty	Unit Cost	Total Cost	Qty	Unit Cost
			\$000	Each	\$000	\$000	Each	\$000	\$000	Each	\$000
Hardware - AFATDS Systems			9771	178	55	10608	193	55	17120	311	55
Hardware - Rigid Wall Shelters (RWS)									7884	18	438
Project Management			676			718			2100		
Engineering Support			1032			1077			2929		
Interim Contractor Support			214			233			661		
Field Integration Team (FIT)			676			718			1984		
Fielding			926			971			2645		
<b>Total:</b>			<b>13295</b>			<b>14325</b>			<b>35323</b>		

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

Date:  
May 2009

Appropriation/Budget Activity/Serial No: Other Procurement, Army/ 2/ Communications and Electronics Equipment		Weapon System Type:	P-1 Line Item Nomenclature: MOD OF IN-SVC EQUIP, AFATDS (B28620)							
WBS Cost Elements:	Contractor and Location	Contract Method and Type	Location of PCO	Award Date	Date of First Delivery	QTY Each	Unit Cost \$000	Specs Avail Now?	Date Revsn Avail	RFP Issue Date
<b>Hardware - AFATDS Systems</b>										
FY 2008	General Dynamics Tauton, MA	C/OPTION	CECOM, Ft. Mon, NJ	Apr 08	Apr 09	178	55	YES		
FY 2009	General Dynamics Tauton, MA	C/OPTION	CECOM, Ft. Mon, NJ	Apr 09	Oct 09	193	55	YES		
FY 2010	General Dynamics Tauton, MA	C/OPTION	CECOM, Ft. Mon, NJ	Jan 10	Jul 10	311	55	YES		

REMARKS: The above hardware is COTS and will be procured off the existing common hardware software (CHS III) contract.

<b>Exhibit P-40, Budget Item Justification Sheet</b>	Date: May 2009
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Appropriation / Budget Activity / Serial No: Other Procurement, Army / 2 / Communications and Electronics Equipment	P-1 Item Nomenclature Light Weight Technical Fire Direction Sys (LWTFDS) (B78400)
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Program Elements for Code B Items:	Code:	Other Related Program Elements:
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	Prior Years	FY 2008	FY 2009	FY 2010	To Complete	Total Prog
Proc Qty						
Gross Cost	85.4	1.5	2.9	0.6		90.3
Less PY Adv Proc						
Plus CY Adv Proc						
Net Proc P1	85.4	1.5	2.9	0.6		90.3
Initial Spares						
Total Proc Cost	85.4	1.5	2.9	0.6		90.3
Flyaway U/C						
Weapon System Proc U/C						

**Description:**  
 Prior to FY08, this Standard Study Number (SSN) funded the Lightweight Computer Unit (LCU), Gun Display Unit- Replacement (GDU-R) and the Centaur programs. Beginning in FY08, this line funds Centaur only. Centaur replaces the Back-up Computer System (BUCS) which is no longer maintainable. Centaur is a handheld system which provides technical fire control for the cannon Fire Direction Centers (FDCs). Centaur serves as a backup technical fire direction capability in case the primary capability, Advanced Field Artillery Tactical Data System (AFATDS) is unavailable. Centaur also serves as a secondary calculation check for AFATDS. In addition, Centaur provides early entry forces with the capability to compute automated cannon ballistic firing solutions before AFATDS arrives. Centaur hosts the NATO Armament Ballistic Kernel (NABK) computational software algorithm which is ported onto a Rugged Personal Digital Assistant (RPDA).

**Justification:**  
 FY10 Base procurement dollars procure program management and fielding support. Base Dollars:

		FY2008	FY2009	FY2010
Active	QTY			
	Gross Cost	471	2396	497
National Guard	QTY			
	Gross Cost	1000	500	100
Reserve	QTY			
	Gross Cost	0	0	0

<b>Exhibit P-40, Budget Item Justification Sheet</b>	Date: May 2009
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Appropriation / Budget Activity / Serial No: Other Procurement, Army / 2 / Communications and Electronics Equipment	P-1 Item Nomenclature POCKET FORWARD ENTRY DEVICE (PFED) (BZ9851)
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Program Elements for Code B Items:	Code:	Other Related Program Elements:
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	Prior Years	FY 2008	FY 2009	FY 2010	To Complete	Total Prog
Proc Qty						
Gross Cost	219.4	14.9	6.7	10.1		251.2
Less PY Adv Proc						
Plus CY Adv Proc						
Net Proc P1	219.4	14.9	6.7	10.1		251.2
Initial Spares						
Total Proc Cost	219.4	14.9	6.7	10.1		251.2
Flyaway U/C						
Weapon System Proc U/C						

**Description:**  
 Prior to FY08, this Standard Study Number (SSN) funded both the Ruggedized Handheld Computer (RHC) and the Pocket-sized Forward Entry Device (PFED). Beginning in FY08, this line funds PFED only. PFED is a handheld forward entry device used by dismounted forward observers and fire support teams to transmit and receive fire support messages over standard military line of sight, High frequency (HF) and Satellite communication (SATCOM) radios. PFED is Windows Mobile based and utilizes existing the Single Channel Ground and Airborne Radio System (SINCGARS) Advanced System Improvement Program (ASIP) communications to provide the lightest and most powerful dismounted system for developing Call For Fire (CFF). PFED is fully interoperable with both the Advanced Field Artillery Tactical Data System (AFATDS) and current fire support systems. When coupled with the existing and future laser ranging binoculars, Global Positioning System (GPS) devices and tactical equipment, the PFED system enables rapid precision Sensor-to-Shooter and Surveillance capabilities. PFED integrates these systems improving their function as a whole and increasing their performance as a systems of systems. PFED software is hosted on a Rugged Personal Digital Assistant (RPDA).

**Justification:**  
 FY10 Base procurement dollars procure 87 PFEDs.  
 FY10 Overseas Contingency Operation (OCO) procurement dollars procure 308 PFEDs.

		FY2008	FY2009	FY2010
Active	QTY			
	Gross Cost	8752	4891	8105
National Guard	QTY			
	Gross Cost	6193	1779	1999
Reserve	QTY			
	Gross Cost	0	0	0



<b>Exhibit P-5, Weapon OPA2 Cost Analysis</b>	Appropriation/Budget Activity/Serial No: Other Procurement, Army / 2 / Communications and Electronics Equipment	P-1 Line Item Nomenclature: POCKET FORWARD ENTRY DEVICE (PFED) (BZ9851)	Weapon System Type:	Date: May 2009
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OPA2 Cost Elements	ID	FY 08			FY 09			FY 10		
	CD	Total Cost	Qty	Unit Cost	Total Cost	Qty	Unit Cost	Total Cost	Qty	Unit Cost
		\$000	Each	\$000	\$000	Each	\$000	\$000	Each	\$000
Hardware		10902	810	13	4901	300	16	7063	395	18
Project Management Administration		1498			118			1400		
Engineering Support		1935			1020			1220		
Fielding		610			631			421		
<b>Total:</b>		<b>14945</b>			<b>6670</b>			<b>10104</b>		

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

Date:  
May 2009

Appropriation/Budget Activity/Serial No: Other Procurement, Army/ 2/ Communications and Electronics Equipment		Weapon System Type:	P-1 Line Item Nomenclature: POCKET FORWARD ENTRY DEVICE (PFED) (BZ9851)							
WBS Cost Elements:	Contractor and Location	Contract Method and Type	Location of PCO	Award Date	Date of First Delivery	QTY Each	Unit Cost \$000	Specs Avail Now?	Date Revsn Avail	RFP Issue Date
<b>Hardware</b>										
FY 2008	General Dynamics Taunton, MA	C/Option	CECOM LCMC, Ft Monmouth, NJ	Feb 08	Oct 08	810	13	Yes		
FY 2009	General Dynamics Taunton, MA	C/Option	CECOM LCMC, Ft Monmouth, NJ	Mar 09	Dec 09	300	16	Yes		
FY 2010	General Dynamics Taunton, MA	C/Option	CECOM LCMC, Ft Monmouth, NJ	Feb 10	Nov 10	395	18	Yes		

REMARKS: COTS purchases

<b>Exhibit P-40, Budget Item Justification Sheet</b>						Date: May 2009
Appropriation / Budget Activity / Serial No: Other Procurement, Army / 2 / Communications and Electronics Equipment				P-1 Item Nomenclature Battle Command Sustainment Support System (BCS3) (W34600)		
Program Elements for Code B Items:		Code:	Other Related Program Elements:			
	Prior Years	FY 2008	FY 2009	FY 2010	To Complete	Total Prog
Proc Qty						
Gross Cost	419.4	33.2	36.7	32.0		521.3
Less PY Adv Proc						
Plus CY Adv Proc						
Net Proc P1	419.4	33.2	36.7	32.0		521.3
Initial Spares						
Total Proc Cost	419.4	33.2	36.7	32.0		521.3
Flyaway U/C						
Weapon System Proc U/C						
<b>Description:</b> The Battle Command Sustainment Support System (BCS3) is the logistics Command and Control (C2) solution for U.S. land forces. BCS3 provides commanders the capability to execute end-to-end distribution and deployment management and brings better situational awareness resulting in better decision-making capability to warfighters. It enables warfighters to target, access, scale and tailor critical logistics information in near-real time. BCS3 provides more effective means to gather and integrate asset and in-transit information to manage distribution and deployment missions. BCS3 combines distribution management to include commodity and convoy tracking, and deployment management into a logistics Common Operating Picture (COP) for one mission-focused visual display. BCS3 has been adopted and integrated into Joint and strategic logistics command and control processes. BCS3 is the only near-term end-to-end logistics COP solution for the Joint commander. BCS3 will maintain its core capabilities and continue to advance in development while integrating into the Joint command and control architecture. This continued development will enable decision superiority via advanced collaborative information sharing achieved through interoperability. BCS3 has immediate, high pay-off benefit to warfighters and additional future growth in its capabilities. BCS3 is a force multiplier, a precision tool for logistics planning and execution that provides warfighters with the necessary tools to succeed.						
<b>Justification:</b> FY10 Base procurement dollars in the amount of \$31.968 million procures and fields the refresh of BCS3 hardware and software to units identified within the Unit Set Fielding (USF) Schedule.  FY10 Overseas Contingency Operation (OCO) procurement dollars in the amount of \$.016 million procures BCS3 systems to units associated with OCO.						

<b>Exhibit P-5, Weapon OPA2 Cost Analysis</b>	Appropriation/Budget Activity/Serial No: Other Procurement, Army / 2 / Communications and Electronics Equipment	P-1 Line Item Nomenclature: Battle Command Sustainment Support System (BCS3) (W34600)			Weapon System Type:	Date: May 2009				
<b>OPA2 Cost Elements</b>	ID	<b>FY 08</b>			<b>FY 09</b>			<b>FY 10</b>		
	CD	Total Cost	Qty	Unit Cost	Total Cost	Qty	Unit Cost	Total Cost	Qty	Unit Cost
		\$000	Each	\$000	\$000	Each	\$000	\$000	Each	\$000
BCS3 Computer Workstations		3024	756	4.0	2576	644	4.0			
Hardware Modernization					2059			4068		
Field Support		13267			13879			13745		
Software Support / Licenses		5560			1551			529		
Systems Engineering		7045			13693			10621		
Other					102			104		
Program Management Support		4313			2860			2917		
<b>Total:</b>		<b>33209</b>			<b>36720</b>			<b>31984</b>		

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

Date:  
May 2009

Appropriation/Budget Activity/Serial No: Other Procurement, Army/ 2/ Communications and Electronics Equipment		Weapon System Type:	P-1 Line Item Nomenclature: Battle Command Sustainment Support System (BCS3) (W34600)							
WBS Cost Elements:	Contractor and Location	Contract Method and Type	Location of PCO	Award Date	Date of First Delivery	QTY Each	Unit Cost \$000	Specs Avail Now?	Date Revsn Avail	RFP Issue Date
<b>BCS3 Computer Workstations</b>										
FY 2008	General Dynamics via PMCHS Ft Monmouth, NJ	IDIQ	CECOM, Ft. Monmouth, NJ	Nov 07	Feb 08	756	4			
FY 2009	General Dynamics via PMCHS Ft Monmouth, NJ	IDIQ	CECOM, Ft. Monmouth, NJ	Nov 08	Feb 09	644	4			
FY 2010	General Dynamics via PMCHS Ft Monmouth, NJ	IDIQ	CECOM, Ft. Monmouth, NJ	Nov 09	Feb 10					

REMARKS:

<b>Exhibit P-40, Budget Item Justification Sheet</b>						Date: May 2009
Appropriation / Budget Activity / Serial No: Other Procurement, Army / 2 / Communications and Electronics Equipment				P-1 Item Nomenclature FAAD C2 (AD5050)		
Program Elements for Code B Items:		Code:	Other Related Program Elements:			
	Prior Years	FY 2008	FY 2009	FY 2010	To Complete	Total Prog
Proc Qty						
Gross Cost	710.7	32.0	7.5	8.3		758.5
Less PY Adv Proc						
Plus CY Adv Proc						
Net Proc P1	710.7	32.0	7.5	8.3		758.5
Initial Spares						
Total Proc Cost	710.7	32.0	7.5	8.3		758.5
Flyaway U/C						
Weapon System Proc U/C						
<b>Description:</b>						
<p>The Forward Area Air Defense Command and Control (FAAD C2) system collects, digitally processes, and disseminates real-time target cuing and tracking information; the common tactical air picture; and command, control, and intelligence information to all Maneuver Air and Missile Defense (MAMD) weapon systems (Avenger and Man-Portable Air Defense System (MANPADS), and joint and combined arms systems. The FAAD C2 system provides alerting data to air defense gunners, airspace battle management, and up-linking of mission operations, thereby enhancing force protection against air and missile attack. Situational awareness and targeting data is provided on threat aircraft, cruise missiles, and unmanned aerial systems (UAS). The FAAD C2 system provides this mission capability by integrating dynamic FAAD C2 engagement operations software with the Multifunctional Information Distribution System (MIDS), Joint Tactical Terminal (JTT), Single Channel Ground and Airborne Radio System (SINCGARS), Enhanced Position Location Reporting System (EPLRS), Global Positioning System (GPS), Airborne Warning and Control Systems (AWACS), Sentinel radar, and the Army Battle Command System (ABCS) architecture. In addition, FAAD C2 provides interoperability with Joint C2 systems and horizontal integration with PATRIOT, Theater High-Altitude Area Defense (THAAD), Medium Extended Air Defense System (MEADS), and the Joint Land Attack Cruise Missile Defense Elevated Netted Sensor (JLENS) by fusing sensor data to create a scalable and filterable Single Integrated Air Picture (SIAP) and common tactical picture. The system software is a key component of the Air Defense and Airspace Management (ADAM) Cell that is being fielded to Stryker Brigade Combat Teams (SBCT), Brigade Combat Teams (BCTs), and Division Headquarters as part of the Army's modularity concept. System software is able to provide target data and engagement commands/status to MAMD Battalions. FAAD C2 is also a principal air defense system within the Homeland Security Program. Soldiers from activated ARNG MAMD battalions operate the FAAD C2 systems in the National Capital Region and other locations.</p> <p>Program funding enables fielding of equipment to the current force to support the Army's Program Objective to rapidly respond to immediate threats to Soldiers, identifies promising technologies, procures and integrates those capabilities for deployed forces in the same year. As capability gaps are identified by deployed forces, this program provides the ability for the Army to procure high priority/high leverage technology from industry during the same year, with the highest priority going to candidates that cover a multitude of gap areas. Program funding provides a method to rapidly keep pace with leading edge technologies and maintain interoperability and backwards compatibility caused by improvement to other system components (upgrade from common hardware version 2 to 3 and EPLRS enhancements).</p> <p>In support of the OCO, FAAD C2 systems are in MAMD units and ADAM Cells deployed to Iraq and Afghanistan. These FAAD systems are critical in providing the local air picture to supported units and higher headquarters. FAAD C2 systems will also provide target tracks and weapon controls for the initial C-RAM capability deployed to Iraq.</p>						

<b>Exhibit P-40, Budget Item Justification Sheet</b>		Date: May 2009
Appropriation / Budget Activity / Serial No: Other Procurement, Army / 2 / Communications and Electronics Equipment		P-1 Item Nomenclature FAAD C2 (AD5050)
Program Elements for Code B Items:	Code:	Other Related Program Elements:
<p><b>Justification:</b>  FY2010 Base funding procures the integration and fielding of remaining sensor C2 nodes to Dir. Main HQs, maintenance of FAAD C2 software in accordance with software blocking policy, and ensures the latest software security measures are in place; begins Common Hardware Systems (CHS) upgrades.</p>		

<b>OPA2 Cost Elements</b>		ID	<b>FY 08</b>			<b>FY 09</b>			<b>FY 10</b>		
		CD	Total Cost	Qty	Unit Cost	Total Cost	Qty	Unit Cost	Total Cost	Qty	Unit Cost
			\$000	Units	\$000	\$000	Units	\$000	\$000	Units	\$000
1. System Integration/Hardware			21772	14	1555	3036	2	1518	3655		
2. Project Management Administration			1718			1663			1500		
<b>3. Fielding</b>											
a. Total Package Fielding			539			76					
b. New Equipment Training			1048			148					
c. First Destination Transportation			36			6					
4. Contractor Field Support			1250			180			448		
5. Software Maintenance Support			2300			2358			2686		
6. AFATDS			3338								
<b>Total:</b>			<b>32001</b>			<b>7467</b>			<b>8289</b>		



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

Date:  
May 2009

Appropriation/Budget Activity/Serial No: Other Procurement, Army/ 2/ Communications and Electronics Equipment		Weapon System Type:		P-1 Line Item Nomenclature: FAAD C2 (AD5050)						
WBS Cost Elements:	Contractor and Location	Contract Method and Type	Location of PCO	Award Date	Date of First Delivery	QTY Each	Unit Cost \$000	Specs Avail Now?	Date Revsn Avail	RFP Issue Date
<b>1. System Integration/Hardware</b>										
FY 2008	Northrop Grumman/NGMS (TRW) Huntsville, AL	CPFF/Optio	AMCOM	Jul 07	Jul 08	14	1555	N/A	N/A	N/A
FY 2009	Northrop Grumman/NGMS (TRW) Huntsville, AL	CPFF/Optio	AMCOM	Jan 09	Jan 10	2	1518	N/A	N/A	N/A
FY 2010	Northrop Grumman/NGMS (TRW) Huntsville, AL	CPFF/Optio	AMCOM	Jan 10	Jan 11					

REMARKS:

<b>Exhibit P-40, Budget Item Justification Sheet</b>						Date: May 2009
Appropriation / Budget Activity / Serial No: Other Procurement, Army / 2 / Communications and Electronics Equipment				P-1 Item Nomenclature AIR & MSL DEFENSE PLANNING & CONTROL SYS (AMD PCS) (AD5070)		
Program Elements for Code B Items:		Code:	Other Related Program Elements:			
	Prior Years	FY 2008	FY 2009	FY 2010	To Complete	Total Prog
Proc Qty						
Gross Cost	284.0	84.8	57.5	62.4		488.7
Less PY Adv Proc						
Plus CY Adv Proc						
Net Proc P1	284.0	84.8	57.5	62.4		488.7
Initial Spares						
Total Proc Cost	284.0	84.8	57.5	62.4		488.7
Flyaway U/C						
Weapon System Proc U/C						
<b>Description:</b>						
<p>The Air and Missile Defense Planning and Control System (AMDPCS) is an Army Objective Force System that provides integration of Air and Missile Defense (AMD) operations at all echelons. AMDPCS systems are deployed with Air Defense Artillery (ADA) brigades (Bdes), Army Air Missile Defense Commands (AAMDCs), and Air Defense and Airspace Management (ADAM) Cells at the Brigade Combat Teams (BCTs), Fires Brigades, CABS, Corps and Divisions. AMDPCS systems also provide air defense capabilities to Homeland Defense systems. The fielding of ADAM Cells is essential in fulfilling the Army's Campaign Plan requirement. ADAM Cells provide the Commander at BCTs, Bdes and Divisions with air defense situational awareness and airspace management capabilities. They also provide the interoperability link with Joint, multinational and coalition forces. AMDPCS components are vital in the transformation of ADA units and the activation of the Maneuver Air &amp; Missile Defense (MAMD) Battalions and AMD Composite Battalions. AMDPCS provides these organizations with shelters, automated data processing equipment, tactical communications, standard vehicles and tactical power, and the two major software systems used in air defense force operations/engagement operations: the Air and Missile Defense Workstation (AMDWS) and the Air Defense System Integrator (ADSI). The AMDWS is a staff planning and battlespace situational awareness tool that provides commanders at all echelons with a common tactical and operational air picture. The AMDWS is being fielded to all AMDPCS units, including the ADA Bdes, the AAMDCs and the ADAM Cells, as well as to the Maneuver Air and Missile Defense Battalions and Batteries. AMDWS provides the Battle Command (BC) capabilities imbedded within the Warfighter Mission area. AMDWS is the Net-centric interface to BC for all components of the AMD force. AMDPCS also provides the ADA Brigades, AAMDCs and ADAM Cells with the ADSI, which monitors and controls air battle engagement operations. In support of the Global War on Terrorism (GWOT), AMDWS and ADSIs are vital components of the ADAM Cells that are deployed in Iraq and Afghanistan. AMDWS is a critical component in the integration and fielding of a Counter-Rockets, Artillery and Mortar (C-RAM) capability to Forward Operating Bases (FOBs) in both theaters. AMDWS stand alone configurations are being fielded to Division Mains and Battlefield Coordination Detachments (BCDs) to ensure interoperability with army battle command systems. ADSIs are being fielded in a stand alone configuration to Division Mains and Combat/Theater Aviation Bdes to provide the air picture. AMDPCS is also responsible for the ADAFCO element functions at theater and brigade level. Force structure and TOE changes continue to include AMDPCS components at every echelon.</p>						
<b>Justification:</b>						
<p>FY2010 Base dollars of \$62.4M will procure four ADAM Systems for Combat Aviation Brigades assigned to 3rd ID and 82nd AA, the 172nd Infantry Brigade Combat Team, and XVIII Corps Tactical Operations Center. FY10 funding procures AMDPCS for the 11th ADA Brigade, the 108th ADA Brigade, and the 32nd AAMDC. Funding also includes Contractor Logistics Support (CLS), New Equipment Training (NET) and software maintenance for released versions of AMDWS and ADSI. The total Army objectives are 184 ADAM systems, eight ADA Brigades and four AAMDCs. Unit costs differ due to systems that vary in size and complexity based on mission and equipment configurations.</p>						

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

Date: May 2009

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

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

Program Elements for Code B Items:

Code:

Other Related Program Elements:

		FY2008	FY2009	FY2010
Active	QTY			
	Gross Cost	32750	31337	23439
National Guard	QTY			
	Gross Cost	51810	25644	36686
Reserve	QTY			
	Gross Cost	191	502	2314

<b>OPA2 Cost Elements</b>		ID	<b>FY 08</b>			<b>FY 09</b>			<b>FY 10</b>		
		CD	Total Cost	Qty	Unit Cost	Total Cost	Qty	Unit Cost	Total Cost	Qty	Unit Cost
			\$000	Each	\$000	\$000	Each	\$000	\$000	Each	\$000
<b>1. System Integration/Hardware</b>											
C18033 ADAM Cell			44439	18	2469	9385	3	3128	16611	5	3322
Z01276 AMDPCS-A			5290	1	5290	22506	3	7502	12103	2	6052
Z01271 AMDPCS-B			1858	1	1858	7909	3	2636	11093	4	2773
C77755 AMDPCS Stand-alone			1375	36	38						
Z03104 ADSI Stand-alone			274	10	27						
2. Project Management Administration			6033			4165			4206		
3. Fielding (TPF,NET)			11849			4235			9024		
4. Contractor Field Support			11365			7175			7248		
5. Software Maintenance Support			2268			2108			2154		
<b>Total:</b>			<b>84751</b>			<b>57483</b>			<b>62439</b>		

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

Date:  
May 2009

Appropriation/Budget Activity/Serial No: Other Procurement, Army/ 2/ Communications and Electronics Equipment		Weapon System Type:		P-1 Line Item Nomenclature: AIR & MSL DEFENSE PLANNING & CONTROL SYS (AMD PCS) (AD5070)						
WBS Cost Elements:	Contractor and Location	Contract Method and Type	Location of PCO	Award Date	Date of First Delivery	QTY Each	Unit Cost \$000	Specs Avail Now?	Date Revsn Avail	RFP Issue Date
<b>1. System Integration/Hardware</b>										
FY 2008	Northrop Grumman/NGMS (TRW) Huntsville, AL	C				66	807			
FY 2009	Northrop Grumman/NGMS (TRW) Huntsville, AL	C				9	4422			
FY 2010	Northrop Grumman/NGMS (TRW) Huntsville, AL	C				11	3618			

REMARKS:

<b>Exhibit P-40, Budget Item Justification Sheet</b>					Date: May 2009	
Appropriation / Budget Activity / Serial No: Other Procurement, Army / 2 / Communications and Electronics Equipment				P-1 Item Nomenclature Knight Family (B78504)		
Program Elements for Code B Items:		Code:	Other Related Program Elements:			
	Prior Years	FY 2008	FY 2009	FY 2010	To Complete	Total Prog
Proc Qty	107	97	81	154		439
Gross Cost	345.3	160.3	154.4	259.3		919.3
Less PY Adv Proc						
Plus CY Adv Proc						
Net Proc P1	345.3	160.3	154.4	259.3		919.3
Initial Spares						
Total Proc Cost	345.3	160.3	154.4	259.3		919.3
Flyaway U/C						
Weapon System Proc U/C	3.2	1.7	1.9	1.7		8.5
<b>Description:</b>						
<p>The M1200 Armored Knight provides precision strike capability by accurately locating and designating targets for both ground and air-delivered laser-guided ordnance and conventional munitions. It replaces the M707 Knight High Mobility Multi-Purpose Wheeled Vehicle (HMMWV base) and M981 Fire Support Team Vehicle (M113 base) used by Combat Observation Lasing Teams (COLT) in both Heavy and Infantry Brigade Combat Teams. It operates as an integral part of the brigade reconnaissance element, providing COLT and fire support mission planning and execution.</p> <p>The Armored Knight is on M1117 Armored Security Vehicle (ASV)- based platform providing enhanced survivability and maneuverability. The system includes a full 360-degree armored cupola and integrated Knight Mission Equipment Package that is common with the M7 Bradley Fire Support Team (BFIST)/M707 Knight and the Stryker Fire Support Vehicle. The common components are: FS3(Fire Support Sensor System) mounted sensor, Targeting Station Control Panel II, Mission Processor Unit II, Inertial Navigation Unit, Defense Advanced Global Positioning System Receiver, Power Distribution Unit and Rugged Handheld Computer (RHC2). Additionally the Armored Knight is configured with 3 Single Channel Ground to Air Radio Systems (SINCGARS), Force XX1 Battle Command, Brigade and Below (FBCB2)/Blue Force Tracking (BFT), Driver's Display Unit (DDU) and Vehicle Intercom System (VIS).</p>						
<b>Justification:</b>						
<p>FY10 Base dollars of \$80.831 million will procure 39 M1200 Armored Knight Vehicles, FS3 Sensors and Chassis (ASV).  FY10 OCO dollars of \$178.500 million will procure 115 M1200 Armored Knight Vehicles, FS3 Sensors and Chassis (ASV) to provide units (HBCTs and IBCTs) with enhanced force protection.</p>						

<b>Exhibit P-40, Budget Item Justification Sheet</b>	Date: May 2009
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Appropriation / Budget Activity / Serial No: Other Procurement, Army / 2 / Communications and Electronics Equipment	P-1 Item Nomenclature KNIGHT-COMMAND AND CONTROL SYSTEM (B78500)
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Program Elements for Code B Items:	Code: A	Other Related Program Elements: 0203758A
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	Prior Years	FY 2008	FY 2009	FY 2010	To Complete	Total Prog
Proc Qty	107	97	81	154		439
Gross Cost	345.3	160.3	154.4	259.3		919.3
Less PY Adv Proc						
Plus CY Adv Proc						
Net Proc P1	345.3	160.3	154.4	259.3		919.3
Initial Spares						
Total Proc Cost	345.3	160.3	154.4	259.3		919.3
Flyaway U/C						
Weapon System Proc U/C	3.2	1.7	1.9	1.7		8.5

**Description:**  
The M1200 Armored Knight provides precision strike capability by accurately locating and designating targets for both ground and air-delivered laser-guided ordnance and conventional munitions. It replaces the M707 Knight High Mobility Multi-Purpose Wheeled Vehicle (HMMWV base) and M981 Fire Support Team Vehicle (M113 base) used by Combat Observation Lasing Teams (COLT) in both Heavy and Infantry Brigade Combat Teams. It operates as an integral part of the brigade reconnaissance element, providing COLT and fire support mission planning and execution.

The Armored Knight is on M1117 Armored Security Vehicle (ASV)- based platform providing enhanced survivability and maneuverability. The system includes a full 360-degree armored cupola and integrated Knight Mission Equipment Package that is common with the M7 Bradley Fire Support Team (BFIST)/M707 Knight and the Stryker Fire Support Vehicle. The common components are: FS3 (Fire Support Sensor System) mounted sensor, Targeting Station Control Panel II, Mission Processor Unit II, Inertial Navigation Unit, Defense Advanced Global Positioning System Receiver, Power Distribution Unit and Rugged Handheld Computer (RHC2). Additionally the Armored Knight is configured with 3 Single Channel Ground to Air Radio Systems (SINCGARS), Force XX1 Battle Command, Brigade and Below (FBCB2)/Blue Force Tracking (BFT), Driver's Display Unit (DDU) and Vehicle Intercom System (VIS).

**Justification:**  
FY10 Base dollars of \$80.831 million will procure 39 M1200 Armored Knight Vehicles, FS3 Sensors and Chassis (ASV).  
FY10 OCO dollars of \$178.500 million will procure 115 M1200 Armored Knight Vehicles, FS3 Sensors and Chassis (ASV) to provide units (HBCTs and IBCTs) with enhanced force protection.

		FY2008	FY2009	FY2010
Active	QTY			
	Gross Cost	133902	99812	200631
National Guard	QTY			
	Gross Cost	26399	54600	58700

<b>Exhibit P-40, Budget Item Justification Sheet</b>					Date: May 2009
Appropriation / Budget Activity / Serial No: Other Procurement, Army / 2 / Communications and Electronics Equipment			P-1 Item Nomenclature KNIGHT-COMMAND AND CONTROL SYSTEM (B78500)		
Program Elements for Code B Items:		Code: A	Other Related Program Elements: 0203758A		
Reserve	QTY				
	Gross Cost	0	0	0	



<b>OPA2 Cost Elements</b>		ID	<b>FY 08</b>			<b>FY 09</b>			<b>FY 10</b>		
		CD	Total Cost	Qty	Unit Cost	Total Cost	Qty	Unit Cost	Total Cost	Qty	Unit Cost
			\$000	Each	\$000	\$000	Each	\$000	\$000	Each	\$000
Hardware Costs											
Armored Knight Production											
			41335	97	426	34846	81	430	68796	154	447
FS3 Sensor											
			32872	97	339	29491	81	364	56949	154	370
Chassis (ASV)											
			67450	97	695	52079	81	643	100565	154	653
<b>SUBTOTAL</b>			<b>141657</b>			<b>116416</b>			<b>226310</b>		
Engineering Contractor											
			6009			17329			11597		
Government Support											
			5029			5086			5165		
Fielding											
			6583			13361			12238		
Test & Evaluation											
			1023			2220			4021		
<b>SUBTOTAL</b>			<b>18644</b>			<b>37996</b>			<b>33021</b>		
<b>Total:</b>			<b>160301</b>			<b>154412</b>			<b>259331</b>		

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

Date:  
May 2009

Appropriation/Budget Activity/Serial No: Other Procurement, Army/ 2/ Communications and Electronics Equipment	Weapon System Type:	P-1 Line Item Nomenclature: KNIGHT-COMMAND AND CONTROL SYSTEM (B78500)								
WBS Cost Elements:	Contractor and Location	Contract Method and Type	Location of PCO	Award Date	Date of First Delivery	QTY Each	Unit Cost \$000	Specs Avail Now?	Date Revsn Avail	RFP Issue Date
<b>Armored Knight Production</b>										
FY 2008	DRS-SSI West Plains, MO	SS/FP	TACOM, Warren, MI	Feb 08	Apr 09	97	426	yes		
FY 2009	DRS-SSI West Plains, MO	SS/FP	TACOM, Warren, MI	May 09	Jul 10	81	430	yes		
FY 2010	DRS-SSI West Plains, MO	SS/FP	TACOM, Warren, MI	Feb 10	Apr 11	154	447	yes		
<b>FS3 Sensor</b>										
FY 2008	Raytheon Corp. McKinney TX	SS/FP	TACOM, Warren, MI	Jan 08	May 09	97	339	yes		
FY 2009	Raytheon Corp. McKinney TX	SS/FP	TACOM, Warren, MI	Jan 09	May 10	81	364	yes		
FY 2010	Raytheon Corp. McKinney TX	SS/FP	TACOM, Warren, MI	Jan 10	May 11	154	370	yes		
<b>Chassis (ASV)</b>										
FY 2008	Textron M & L Systems New Orleans, LA	Options	TACOM, Warren, MI	Mar 08	Jan 09	97	695	yes		
FY 2009	Textron M & L Systems New Orleans, LA	Options	TACOM, Warren, MI	Sep 09	Jul 10	81	643	yes		
FY 2010	Textron M & L Systems New Orleans, LA	Options	TACOM, Warren, MI	Mar 10	Jan 11	154	653	yes		

REMARKS:

<b>FY 09 / 10 BUDGET PRODUCTION SCHEDULE</b>	P-1 ITEM NOMENCLATURE KNIGHT-COMMAND AND CONTROL SYSTEM (B78500)	Date: May 2009
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COST ELEMENTS						Fiscal Year 09													Fiscal Year 10													Later
MFR	FY	S E R V	PROC QTY x1000	ACCEP PRIOR TO 1 OCT	BAL DUE AS OF 1 OCT	Calendar Year 09													Calendar Year 10													
						O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P			

Armored Knight Production																																					
1	FY 08	A	97	0	97										8	8	8	8	8	8	8	8	8	8	8	8	8	8	9					0			
1	FY 09	A	81	0	81											A																3	3	3	72		
1	FY 10	A	154	0	154																							A						154			
FS3 Sensor																																					
2	FY 08	A	97	0	97										8	8	8	8	8	8	8	8	8	8	8	8	8	8	9					0			
2	FY 09	A	81	0	81						A																					5	12	8	8	9	39
2	FY 10	A	154	0	154																						A								154		
Chassis (ASV)																																					
3	FY 08	A	97	0	97					4	8	8	8	8	8	8	8	9	9	9	9	9													0		
3	FY 09	A	81	0	81															A												3	3	3	72		
3	FY 10	A	154	0	154																								A						154		
Total										4	8	8	16	24	24	24	25	25	25	25	25	25	16	16	17	9	5	12	14	14	15				645		
						O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P								

MFR	Name - Location	PRODUCTION RATES			Reached D+	MFR	ADMIN LEAD TIME		MFR After 1 Oct	TOTAL After 1 Oct	REMARKS	
		MIN	1-8-5	MAX			Prior 1 Oct	After 1 Oct				
1	DRS-SSI, West Plains, MO	3	5	10		1	Initial	0	5	14	19	The ASV contract is part of the overall procurement buy with PM Tactical Wheeled Vehicles so there is no break in production. Production rates (MIN/MAX) stated are monthly vs. yearly.
							Reorder	0	8	14	22	
2	Raytheon Corp., McKinney TX	5	30	35		2	Initial	0	4	16	20	
							Reorder	0	4	16	20	
						3	Initial	0	6	10	16	
							Reorder	0	12	10	22	
							Initial					
							Reorder					
							Initial					
							Reorder					

<b>FY 11 / 12 BUDGET PRODUCTION SCHEDULE</b>	P-1 ITEM NOMENCLATURE KNIGHT-COMMAND AND CONTROL SYSTEM (B78500)	Date: May 2009
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COST ELEMENTS						Fiscal Year 11												Fiscal Year 12												Later
MFR	FY	S E R V	PROC QTY x1000	ACCEP PRIOR TO 1 OCT	BAL DUE AS OF 1 OCT	Calendar Year 11												Calendar Year 12												
						O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	
Armored Knight Production																														
1	FY 08	A	97	97																								0		
1	FY 09	A	81	9	72	8	8	8	8	9	10	5	5	5	3	3												0		
1	FY 10	A	154	0	154							3	5	5	7	7	7	10	10	10	10	10	10	10	10	10	10	0		
FS3 Sensor																														
2	FY 08	A	97	97																								0		
2	FY 09	A	81	42	39	9	7	7	10	6																		0		
2	FY 10	A	154	0	154							3	3	3	3	13	13	13	13	13	13	14	14	14	10	10	10	5	0	
Chassis (ASV)																														
3	FY 08	A	97	97																								0		
3	FY 09	A	81	9	72	3	3	7	7	7	7	7	9	3	3	3	3	3										0		
3	FY 10	A	154	0	154				3	3	3	3	13	13	13	13	13	14	14	14	10	10	8	7				0		
Total						645	20	18	22	28	25	20	18	33	35	29	29	36	40	40	37	33	34	32	31	20	20	20	15	10
						O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	

MFR	Name - Location	PRODUCTION RATES			Reached D+	MFR	ADMIN LEAD TIME		MFR After 1 Oct	TOTAL After 1 Oct	REMARKS	
		MIN	1-8-5	MAX			Prior 1 Oct	After 1 Oct				
1	DRS-SSI, West Plains, MO	3	5	10		1	Initial	0	5	14	19	The ASV contract is part of the overall procurement buy with PM Tactical Wheeled Vehicles so there is no break in production.  Production rates (MIN/MAX) stated are monthly vs. yearly.
							Reorder	0	8	14	22	
2	Raytheon Corp., McKinney TX	5	30	35		2	Initial	0	4	16	20	
							Reorder	0	4	16	20	
3	Textron M & L Systems, New Orleans, LA	1	12	48		3	Initial	0	6	10	16	
							Reorder	0	12	10	22	
							Initial					
							Reorder					
							Initial					
							Reorder					

<b>Exhibit P-40, Budget Item Justification Sheet</b>	Date: May 2009
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Appropriation / Budget Activity / Serial No: Other Procurement, Army / 2 / Communications and Electronics Equipment	P-1 Item Nomenclature LIFE CYCLE SOFTWARE SUPPORT (LCSS) (BD3955)
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Program Elements for Code B Items:	Code:	Other Related Program Elements:
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	Prior Years	FY 2008	FY 2009	FY 2010	To Complete	Total Prog
Proc Qty						
Gross Cost	77.4	2.1	4.5	1.8	Continuing	Continuing
Less PY Adv Proc						
Plus CY Adv Proc						
Net Proc P1	77.4	2.1	4.5	1.8	Continuing	Continuing
Initial Spares						
Total Proc Cost	77.4	2.1	4.5	1.8	Continuing	Continuing
Flyaway U/C						
Weapon System Proc U/C					Continuing	Continuing

**Description:**  
Life Cycle Software Engineering (LCSE) support, by the Software Engineering Center (SEC), provides the essential equipment needed to maintain Communications-Electronics Life Cycle Management Command (C-E LCMC) managed fielded Battlefield Automated Systems (BAS) and Information Systems (IS) in a state of operational readiness. Approximately 200 BASs/ISs directly depend on LCSE support to maintain a posture of mission critical readiness. LCSE support is essential for the acquisition, operation, maintenance and sustainment of multi-host computer systems, peripherals, interfaces, support equipment, test beds, components, and software used to provide the necessary services and support to maintain BASs in the state of operational readiness. Policy for Post Production Software Support (PPSS) requires that system managers provide initial host capabilities for new systems and that the Life Cycle Software Engineering Centers (LCSEC) provide upgrades and replacement of obsolete equipment. Significant portions of host and network equipment are no longer economically repairable or are reaching obsolescence. There is a requirement to respond to emergency requests from the field for Software Engineering support in order to maintain operational readiness of deployed BASs. With host computers and peripherals having a life span of approximately five years and SEC performing its mission over a continuous period of time beyond five years, equipment must be replaced and/or upgraded regularly to deal with obsolescence and take advantage of the continual improvements in technology that are indigenous to high-technology based weapon systems and their software support environments. SEC must complete these upgrades in order to meet the ever-increasing mission requirements imposed by the field.

**Justification:**  
FY 10 Base procurement dollars procures critical C4ISR lab equipment:  
1) Army Airborne Command and Control System (A2C2S) requires purchase of equipment to support, track and troubleshooting of software issues encountered by the warfighter and ensure A2C2S systems can best protect our airborne fighters. 2) Testbed/COMSEC facilities require the latest test equipment in support of Joint On-Demand Interoperability Network (JOIN) which will support deployed forces with PPSS. Includes multiplexors, routers, switches, wireless systems, servers, encryption devices, etc. 3) Battle Command (BC) Integration Lab will be requiring software maintenance. Servers, switches, printers, routers, and tools are needed to effectively manage, upgrade and continue their support of the Army Battle Command System. 4) SATCOM Test Facility Upgrade requires racks, routers servers and media converters to ensure continued operations of SATCOM equipment. 5) Airborne Collection System Simulator require servers and interconnectivity components to perform signal collection modeling in a lab which otherwise testing would require aircraft to perform the testing thus resulting in increased time and costs.

<b>Exhibit P-40, Budget Item Justification Sheet</b>						Date: May 2009
Appropriation / Budget Activity / Serial No: Other Procurement, Army / 2 / Communications and Electronics Equipment				P-1 Item Nomenclature Automatic Identification Technology (BZ8889)		
Program Elements for Code B Items:		Code:	Other Related Program Elements:			
	Prior Years	FY 2008	FY 2009	FY 2010	To Complete	Total Prog
Proc Qty						
Gross Cost	344.0	133.3	88.3	31.5	Continuing	Continuing
Less PY Adv Proc						
Plus CY Adv Proc						
Net Proc P1	344.0	133.3	88.3	31.5	Continuing	Continuing
Initial Spares						
Total Proc Cost	344.0	133.3	88.3	31.5	Continuing	Continuing
Flyaway U/C						
Weapon System Proc U/C					Continuing	Continuing
<b>Description:</b>						
<p>Radio Frequency-Intransit Visibility (RF-ITV) utilizes cutting edge RF technologies in concert with automatic identification technology to provide real-time logistics visibility to on-site commanders, Combatant Commanders (COCOMs), NATO allies and Coalition partners. This is accomplished through the use of various applications of Radio Frequency Identification (RFID) tags. Shipments are tracked and monitored by land, air and sea as cargo transits throughout the global Defense Transportation System through a collection of tag read sites strategically located world-wide transmitting to satellite uplinks, downloaded to a collection tactically located servers and accessed by PC using a CAC card or user ID/Password.</p> <p>This program provides state-of-the-art technologies used with automated logistics systems to facilitate and expedite supply and property receiving, distribution, storage, inventory management and accountability. This facilitates rapid and accurate data capture, retrieval and transmission. The technology includes various radio frequency identification and barcode scanning devices, barcode label and page printers, and various data carrier devices with associated readers and writers. The data carrier devices include optical laser cards, Personal Computer (PC) memory cards, optical memory buttons, and wireless Local Area Network (LAN) technology. Automatic Identification Technology (AIT) is used throughout the Army at the wholesale and retail supply levels and in automated maintenance, personnel and transportation systems, where rapid and accurate source data collection is required. The AIT contract establishes a baseline of AIT devices for use throughout the Department of Defense (DoD) and ensures standardization and interoperability of this equipment among the Services, while providing extensive warranty and maintenance. This program has the mission to provide centralized procurement of AIT Technologies and engineering and fielding of state-of-the-art Radio Frequency Identification (RFID) technologies as the joint service system for RFID-enabled visibility of the Defense Transportation System. AIT/RF-ITV (Radio Frequency-Intransit Visibility), as a Total Asset Visibility enabler to connect logisticians and integrate DoD supply chains, is the mission essential capability for Joint/Coalition warfighters throughout the Army and Combatant Commands. By using Radio Frequency Identification (RFID) tags, the RF-ITV infrastructure traces the identity, status and location of cargo from origin (depot to vendor) to destination. The Digital Arms Room program modernizes the tactical arms room process by providing an AIT enabled automation tool linked with IUID to obtain accurate source data for property and equipment valuation and accountability, improve access to historical data used in life cycle management, reduces workforce burden through increased productivity and efficiency, improves inventory accuracy and lowers item management costs. The Container Intrusion Detection Device (CIDD) is an active RFID tag that provides both content level detail and on-board sensors that monitor door breach and light in order to detect unauthorized intrusion into ISO shipping containers carrying US and coalition property. The sensor status is relayed to the US DOD RFID network that is deployed throughout all COCOM AORs to provide nodal visibility of containerized shipments moving within the Defense Transportation System. The intent of the device is to detect and record when shipping containers are breached during the transportation and provide DOD authorities with the information they need to make decisions on whether to allow the shipment to enter a port or forward operation base. The implementation will deter enemy forces from breaching US DOD containerized shipments for the purpose of stealing military property or inserting weapons into the container</p>						

<b>Exhibit P-40, Budget Item Justification Sheet</b>		Date: May 2009
Appropriation / Budget Activity / Serial No: Other Procurement, Army / 2 / Communications and Electronics Equipment		P-1 Item Nomenclature Automatic Identification Technology (BZ8889)
Program Elements for Code B Items:	Code:	Other Related Program Elements:
<p>that could compromise force protection and readiness. CENTCOM has directed implementation of CIDD on all containers redeploying from Afghanistan over the Pakistan Ground Line of Communication (GLOC) and Army G-4 has further supplemented the CENCOM message by directing CIDD use on containers deploying into Afghanistan.</p> <p>Radio Frequency-Intransit Visibility (RF-ITV) utilizes cutting edge RF technologies in concert with automatic identification technology to provide real-time logistics visibility to on-site commanders, Combatant Commanders (COCOMs), NATO allies and Coalition partners. This is accomplished through the use of various applications of Radio Frequency Identification (RFID) tags. Shipments are tracked and monitored by land, air and sea as cargo transits throughout the global Defense Transportation System through a collection of tag read sites strategically located world-wide transmitting to satellite uplinks, downloaded to a collection tactically located servers and accessed by PC using a CAC card or user ID/Password.</p> <p><b>Justification:</b>  FY10 Base Dollars of \$31.542 procures fielding support to the DOD RFID Network/Infrastructure, Standard Army Management Information System (STAMIS) and other Information Technology (IT) systems within the DOD Global Supply Chain (GSC). RF-ITV is the PM's primary mission that provides on-site support to Combatant Commanders (COCOMs), warfighters, NATO allies and Coalition Partners timely and accurate logistical data. Funding will also procure hardware and training (including first time users) required to meet continual fielding expansion, constant network and infrastructure upgrades and Life Cycle Replacement (LCR) to meet the warfighters need for additional RF-ITV read/write sites world-wide.</p>		

<b>OPA2 Cost Elements</b>		ID	<b>FY 08</b>			<b>FY 09</b>			<b>FY 10</b>		
		CD	Total Cost	Qty	Unit Cost	Total Cost	Qty	Unit Cost	Total Cost	Qty	Unit Cost
			\$000	Each	\$000	\$000	Each	\$000	\$000	Each	\$000
AIT Peripherals GCSS-Army F/T		A	76								
AIT Peripherals		A	52509			33987			742		
AIT Peripherals unit cost varies by item											
Radio Frequency Network Infrastructure Components		A	53448			25887			29350		
Project Management Spt - Government		A	4280			5422			1450		
Engineering Support		A	19109			20988					
Congressional Funding			3897			1994					
<b>Total:</b>			<b>133319</b>			<b>88278</b>			<b>31542</b>		



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

Date:  
May 2009

Appropriation/Budget Activity/Serial No: Other Procurement, Army/ 2/ Communications and Electronics Equipment	Weapon System Type:	P-1 Line Item Nomenclature: Automatic Identification Technology (BZ8889)								
WBS Cost Elements:	Contractor and Location	Contract Method and Type	Location of PCO	Award Date	Date of First Delivery	QTY Each	Unit Cost \$000	Specs Avail Now?	Date Revsn Avail	RFP Issue Date
<b>AIT Peripherals GCSS-Army F/T</b>										
<b>AIT Peripherals</b>										
FY 2008	Intermec Everett, WA	C/FFP	ITEC4	Feb 08	Mar 08					
FY 2008	Intermec Everett, WA	C/FFP	ITEC4	Apr 08	May 08					
FY 2009	Intermec Everett, WA	C/FFP	ITEC4	Dec 08	Jan 09					
FY 2009	Intermec Everett, WA	C/FFP	ITEC4	Mar 09	Apr 09					
FY 2010	Intermec Everett, WA	C/FFP	ITEC4	May 10	Jul 10					
FY 2010	Intermec Everett, WA	C/FFP	ITEC4	Mar 10	Apr 10					
<b>Radio Frequency Network Infrastructure</b>										
FY 2008	Savi Technology Sunnyvale, CA	C/FFP	ITEC4	Jan 08	Mar 08					
FY 2008	Savi Technology Sunnyvale, CA	C/FFP	ITEC4	Mar 08	May 08					
FY 2009	Savi Technology Sunnyvale, CA	C/FFP	ITEC4	Jan 09	Feb 09					
FY 2009	Savi Technology Sunnyvale, CA	C/FFP	ITEC4	Jan 09	Mar 09					
FY 2010	Savi Technology Sunnyvale, CA	C/FFP	ITEC4	Jan 10	Feb 10					
FY 2010	Unisys Reston, VA	C/FFP	ITEC4	Mar 10	Apr 10					
<b>Engineering Support</b>										
FY 2008	Unisys Reston, VA	C/FP	DISA	Jan 08	Feb 08					
FY 2008	Unisys Reston, VA	C/FP	DISA	Apr 08	May 08					
FY 2009	Unisys Reston, VA	C/FP	DISA	Jan 09	Feb 09					
FY 2009	Unisys	C/FP	DISA	Apr 09	May 09					

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

Date:  
May 2009

Appropriation/Budget Activity/Serial No: Other Procurement, Army/ 2/ Communications and Electronics Equipment		Weapon System Type:	P-1 Line Item Nomenclature: Automatic Identification Technology (BZ8889)							
WBS Cost Elements:	Contractor and Location	Contract Method and Type	Location of PCO	Award Date	Date of First Delivery	QTY Each	Unit Cost \$000	Specs Avail Now?	Date Revsn Avail	RFP Issue Date
FY 2010	Reston, VA Unisys Reston, VA	C/FP	DISA	Jan 10	Feb 10					
FY 2010	Reston, VA Unisys Reston, VA	C/FP	DISA	Apr 10	May 10					

REMARKS: REMARKS: ITEC4 - Information Technology E-Commerce and Commercial Contracting Center.  
DISA - Defense Information Systems Agency

<b>Exhibit P-40, Budget Item Justification Sheet</b>						Date: May 2009
Appropriation / Budget Activity / Serial No: Other Procurement, Army / 2 / Communications and Electronics Equipment				P-1 Item Nomenclature TC AIMS II (BZ8900)		
Program Elements for Code B Items:		Code:	Other Related Program Elements:			
	Prior Years	FY 2008	FY 2009	FY 2010	To Complete	Total Prog
Proc Qty						
Gross Cost	374.0	75.0	32.8	11.1	Continuing	Continuing
Less PY Adv Proc						
Plus CY Adv Proc						
Net Proc P1	374.0	75.0	32.8	11.1	Continuing	Continuing
Initial Spares						
Total Proc Cost	374.0	75.0	32.8	11.1	Continuing	Continuing
Flyaway U/C						
Weapon System Proc U/C					Continuing	Continuing
<p><b>Description:</b>  The Transportation Information Systems (TIS) Product Office for Transportation Coordinators-Automated Information for Movement System II (TC-AIMS II) is a program which will reduce redundancy by consolidating management of the unit/installation-level transportation functions of Unit Movement, Load Planning and Theater Operations and will automate the capability to manage and coordinate transportation services with shippers, carriers and receiving activities. It also supports the Joint Deployment Process for movement control-related aspects of Joint Reception, Staging, Onward Movement and Integration (JRSOI). Provides critical capability to deploying units so they can build and sustain combat power. TC-AIMS II provides units with the critical capability by enabling Sustainment operations that enable and improve combat readiness through improved operational readiness for combat systems.</p> <p>Cargo Movement Operations System (CMOS) will interface with TC-AIMS II and provide the sole DoD capability to automate Theater Distribution Center's (TDC) operations. CMOS is operating in the 21st Theater Support Command and automates the receipt, cross-docking, manifesting and shipment of cargo arriving via all modes to all supported destinations. This automated TDC provides visibility and traceability of items being distributed to deployed forces and retrograded to National providers.</p> <p><b>Justification:</b>  FY10 Base Dollars of \$11.124 will procure hardware, software, and training/fielding support to complete TC-AIMS II Unit Move fielding and New Equipment Training (NET) in accordance with the current U.S. Army Basis of Issue Plan (BOIP).</p>						

<b>Exhibit P-5, Weapon OPA2 Cost Analysis</b>		Appropriation/Budget Activity/Serial No: Other Procurement, Army / 2 / Communications and Electronics Equipment			P-1 Line Item Nomenclature: TC AIMS II (BZ8900)			Weapon System Type:		Date: May 2009	
<b>OPA2 Cost Elements</b>		ID	<b>FY 08</b>			<b>FY 09</b>			<b>FY 10</b>		
		CD	Total Cost	Qty	Unit Cost	Total Cost	Qty	Unit Cost	Total Cost	Qty	Unit Cost
			\$000	Each	\$000	\$000	Each	\$000	\$000	Each	\$000
Deployment Support & Training		A	15822			9500			4795		
Hardware & Automated Info Technology		A	59177			23285			6329		
<b>Total:</b>			<b>74999</b>			<b>32785</b>			<b>11124</b>		

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

Date:  
May 2009

WBS Cost Elements:	Contractor and Location	Contract Method and Type	Location of PCO	Award Date	Date of First Delivery	QTY Each	Unit Cost \$000	Specs Avail Now?	Date Revsn Avail	RFP Issue Date
<b>Appropriation/Budget Activity/Serial No:</b> Other Procurement, Army/ 2/ Communications and Electronics Equipment										
<b>Weapon System Type:</b>		<b>P-1 Line Item Nomenclature:</b> TC AIMS II (BZ8900)								
<b>Deployment Support &amp; Training</b>										
FY 2008	US Army ERDC Springfield, VA	MOA	ERDC	Apr 08	Apr 08			YES		
FY 2008	L3/Titan Systems Springfield, VA	T&M	ITEC4	Sep 08	Sep 08			YES		
FY 2009	L3/Titan Systems Springfield, VA	T&M	ITEC4	Apr 09	Apr 09			YES		
FY 2009	TBS TBD	TBD	TBD	TBD	TBD			YES		
FY 2010	TBS TBD	TBD	TBD	TBD	TBD					
<b>Hardware &amp; Automated Info Technology</b>										
FY 2008	VAR*	C/FP	ITEC4/CDCC	Oct 07	Jan 08			YES		
FY 2008	VAR*	C/FP	ITEC4/CDCC	Jan 08	Apr 08			YES		
FY 2008	VAR*	C/FP	ITEC4/CDCC	Apr 08	Jul 08			YES		
FY 2008	VAR*	C/FP	ITEC4/CDCC	Jul 08	Oct 08			YES		
FY 2009	VAR*	C/FP	ITEC4 or CDCC	Oct 08	Jan 09			YES		
FY 2009	VAR*	C/FP	ITEC4 or CDCC	Jan 09	Apr 09			YES		
FY 2009	VAR*	C/FP	ITEC4 or CDCC	Apr 09	Jul 09			YES		
FY 2009	VAR*	C/FP	ITEC4 or CDCC	Jul 09	Oct 09			YES		
FY 2010	VAR*	C/FP	ITEC4 or CDCC	Oct 09	Jan 10			YES		
FY 2010	VAR*	C/FP	ITEC4 or CDCC	Jan 10	Apr 10			YES		
FY 2010	VAR*	C/FP	ITEC4 or CDCC	Apr 10	Jul 10			YES		
FY 2010	VAR*	C/FP	ITEC4 or CDCC	Jul 10	Oct 10			YES		

REMARKS: Contractors and Government Matrix Support are:  
 US Army ERDC (US Army, Engineer, Research, and Development Center)  
 ITEC4 (Information Technology & Electronic Commerce Commercial Contracting Center)  
 CDCC (US Army Contracting Agency, Capital District Contracting Center)  
 VAR\* (Various Contractor Sources and Configurations vary by site)  
 TBD (To Be Determined)

<b>Exhibit P-40, Budget Item Justification Sheet</b>						Date: May 2009
Appropriation / Budget Activity / Serial No: Other Procurement, Army / 2 / Communications and Electronics Equipment				P-1 Item Nomenclature Joint Network Management System (JNMS) (B95700)		
Program Elements for Code B Items: 64786.363		Code: A	Other Related Program Elements:			
	Prior Years	FY 2008	FY 2009	FY 2010	To Complete	Total Prog
Proc Qty						
Gross Cost	78.8	13.2	11.0			103.0
Less PY Adv Proc						
Plus CY Adv Proc						
Net Proc P1	78.8	13.2	11.0			103.0
Initial Spares						
Total Proc Cost	78.8	13.2	11.0			103.0
Flyaway U/C						
Weapon System Proc U/C						
<b>Description:</b> The Joint Network Management System (JNMS) is a Combatant Commander and Commander, Joint Task Force (CJTF) joint communications planning and network management software system. It will promote force level situational awareness; provide enhanced flexibility to support the commander's intent; improve management of scarce spectrum resources and provide increased security of critical systems and networks. It will provide communications planners with a common set of tools to conduct high level planning (war planning); detailed planning and engineering for voice, data, and message systems. It will provide network/system monitoring, configuration and control; network performance assessment based on the Joint Network Node (JNN) NetOps solution. JNMS consists of commercial and government off-the-shelf software modules integrated on a commercial hardware platform.						
<b>Justification:</b> No FY2010 funding.						

Exhibit P-5, Weapon OPA2 Cost Analysis	Appropriation/Budget Activity/Serial No: Other Procurement, Army / 2 / Communications and Electronics Equipment	P-1 Line Item Nomenclature: Joint Network Management System (JNMS) (B95700)			Weapon System Type:	Date: May 2009					
OPA2 Cost Elements		ID	FY 08			FY 09			FY 10		
		CD	Total Cost	Qty	Unit Cost	Total Cost	Qty	Unit Cost	Total Cost	Qty	Unit Cost
			\$000	Units	\$000	\$000	Units	\$000	\$000	Units	\$000
<b>Production System</b>											
JNMS Hardware			41	9	5	71	15	5			
Software License			1818			1345					
Software Maintenance			2721			3046					
System Integration/ Fldg/NET *			3806			4136					
*NOTE: Includes Server Stack HW costs for the Network Mgmt subsystems acquired under Common Hardware Software (CHS) program											
<b>Engineering Support</b>											
Government			844			980					
Contractor			1116			1129					
Initial Spares			65			117					
Other Logistics			155			202					
NetOps Center			2600								
<b>Total:</b>			<b>13166</b>			<b>11026</b>					

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

Date:  
May 2009

Appropriation/Budget Activity/Serial No: Other Procurement, Army/ 2/ Communications and Electronics Equipment		Weapon System Type:	P-1 Line Item Nomenclature: Joint Network Management System (JNMS) (B95700)							
WBS Cost Elements:	Contractor and Location	Contract Method and Type	Location of PCO	Award Date	Date of First Delivery	QTY Units	Unit Cost \$000	Specs Avail Now?	Date Revsn Avail	RFP Issue Date
<b>JNMS Hardware</b>										
FY 2008	Army Small Computer Program Fort Monmouth, NJ	C/FFP	Fort Monmouth, NJ	Mar 08	Apr 08	9	5.00	Y		
FY 2009	Army Small Computer Program Fort Monmouth, NJ	C/FFP	Fort Monmouth, NJ	Dec 08	Jan 09	15	4.73	Y		

REMARKS:



**FY 09 / 10 BUDGET PRODUCTION SCHEDULE**

P-1 ITEM NOMENCLATURE  
 Joint Network Management System (JNMS) (B95700)

Date: May 2009

COST ELEMENTS						Fiscal Year 09														Fiscal Year 10														Later	
M F R	FY	S E R V	PROC QTY x1000	ACCEP PRIOR TO 1 OCT	BAL DUE AS OF 1 OCT	Calendar Year 09														Calendar Year 10															
						O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P						
JNMS Hardware																																			
2	FY 09	A	15	0	15				A	5	5	2	2	1																					0
Total																																			
					15	O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P						

M F R	Name - Location	PRODUCTION RATES			Reached D+	MFR	ADMIN LEAD TIME		MFR After 1 Oct	TOTAL After 1 Oct	REMARKS
		MIN	1-8-5	MAX			Prior 1 Oct	After 1 Oct			
1	Army Small Computer Program, Fort Monmouth, NJ	1	15	20		1	1	1	2		
2	Army Small Computer Program, Fort Monmouth, NJ	1	15	20		2	1	1	2		
								0	1		

<b>Exhibit P-40, Budget Item Justification Sheet</b>						Date: May 2009
Appropriation / Budget Activity / Serial No: Other Procurement, Army / 2 / Communications and Electronics Equipment				P-1 Item Nomenclature Tactical Internet Manager (B93900)		
Program Elements for Code B Items: 28010.01D		Code:	Other Related Program Elements: BX0007			
	Prior Years	FY 2008	FY 2009	FY 2010	To Complete	Total Prog
Proc Qty						
Gross Cost	239.0	21.5	4.8			265.3
Less PY Adv Proc						
Plus CY Adv Proc						
Net Proc P1	239.0	21.5	4.8			265.3
Initial Spares						
Total Proc Cost	239.0	21.5	4.8			265.3
Flyaway U/C						
Weapon System Proc U/C						
<b>Description:</b> The Tactical Internet Management System (TIMS) is based on an Operational Requirements Document (ORD) for the Integrated Systems Control (ISYSCON) dated April 05, calling for Network Management for the Lower Tactical Internet and Tactical Operations Center (TOC) Local Area Network (LAN). TIMS will also perform network planning, initialization, management and monitoring of the Tactical Internet at Force XX1 Battle Command Brigade and Below (FBCB2) as well as TOC LANs.						
<b>Justification:</b> FY2010 has no funding.						

<b>Exhibit P-5, Weapon OPA2 Cost Analysis</b>		Appropriation/Budget Activity/Serial No: Other Procurement, Army / 2 / Communications and Electronics Equipment			P-1 Line Item Nomenclature: Tactical Internet Manager (B93900)			Weapon System Type:		Date: May 2009	
<b>OPA2 Cost Elements</b>		ID CD	<b>FY 08</b>			<b>FY 09</b>			<b>FY 10</b>		
			Total Cost	Qty	Unit Cost	Total Cost	Qty	Unit Cost	Total Cost	Qty	Unit Cost
			\$000	Units	\$000	\$000	Units	\$000	\$000	Units	\$000
<b>TIMS Base-year</b>											
TIMS GFE-Laptops			984	123	8	464	58	8			
Contractor Log Support/Training			3667			1724					
Other (PDSS)			3663			1722					
Government Engineering			1885			885					
<b>TIMS FY08 Supplemental</b>											
NGMS PDSS contract			3129								
Data Products EPLRS database			4000								
CSC Data Products technical support			4207								
<b>Total:</b>			<b>21535</b>			<b>4795</b>					

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

Date:  
May 2009

Appropriation/Budget Activity/Serial No: Other Procurement, Army/ 2/ Communications and Electronics Equipment			Weapon System Type:		P-1 Line Item Nomenclature: Tactical Internet Manager (B93900)					
WBS Cost Elements:	Contractor and Location	Contract Method and Type	Location of PCO	Award Date	Date of First Delivery	QTY Units	Unit Cost \$000	Specs Avail Now?	Date Revsn Avail	RFP Issue Date
<b>TIMS GFE-Laptops</b>										
FY 2008	Integration Technology Group, Falls Church, VA	C/FFP	Ft Monmouth, NJ	Jul 08	Aug 08	123	8	Yes		
FY 2009	TBS TBD	C/FFP	Ft. Monmouth, NJ	Jul 09	Aug 09	58	8	Yes		

REMARKS:

<b>Exhibit P-40, Budget Item Justification Sheet</b>						Date: May 2009
Appropriation / Budget Activity / Serial No: Other Procurement, Army / 2 / Communications and Electronics Equipment				P-1 Item Nomenclature NETWORK MANAGEMENT INITIALIZATION AND SERVICES (BA9301)		
Program Elements for Code B Items:		Code:	Other Related Program Elements: BA9311, BA9312, and BA9315			
	Prior Years	FY 2008	FY 2009	FY 2010	To Complete	Total Prog
Proc Qty						
Gross Cost		35.9	30.0	112.8	Continuing	Continuing
Less PY Adv Proc					Continuing	Continuing
Plus CY Adv Proc						
Net Proc P1		35.9	30.0	112.8	Continuing	Continuing
Initial Spares						
Total Proc Cost		35.9	30.0	112.8	Continuing	Continuing
Flyaway U/C						
Weapon System Proc U/C					Continuing	Continuing
<b>Description:</b>						
<p>The Network Management Initialization and Services program supports the Army's objectives of an integrated Network Operations capability. There are three components to the program: Tactical Service Management (TSM), Network Management System (NMS), and Data Products. TSM provides the S-6/G-6 the capability for real time management of servers, applications, and clients used in the Tactical Operations Centers. NMS provides the S-6/G-6 network management capabilities at the Functional Support Brigades, Commands and Centers, and Army Service Component Command (ASCC) echelons, as well as the Special Operations Forces (SOF)/Civil Affairs (CA)/Psychological Operations (PSYSOPS) units. Data Products provide the necessary initialization data required for Battle Command Systems, like Force XXI Battle Command Brigade and Below (FBCB2) and the Army Battle Command Systems (ABCS), to interoperate over the tactical network.</p> <p>Beginning in FY2010, the following systems are realigned under the Network Management Initialization and Services Family (BA9301): TSM (BA9311), NMS (BA9312), and Data Products (BA9315). This realignment will enable the family of Network Operations systems to manage the implementation of technology more efficiently and effectively.</p>						
<b>Justification:</b>						
FY2010 Base procurement dollars in the amount of \$53.9 million procures Data Products.						
FY2010 OCO procurement dollars in the amount of \$58.9 million procures Data Products, Tactical Service Management and Network Management System.						

<b>Exhibit P-5, Weapon OPA2 Cost Analysis</b>	Appropriation/Budget Activity/Serial No: Other Procurement, Army / 2 / Communications and Electronics Equipment	P-1 Line Item Nomenclature: NETWORK MANAGEMENT INITIALIZATION AND SERVICES (BA9301)			Weapon System Type:	Date: May 2009					
<b>OPA2 Cost Elements</b>		ID	<b>FY 08</b>			<b>FY 09</b>			<b>FY 10</b>		
		CD	Total Cost	Qty	Unit Cost	Total Cost	Qty	Unit Cost	Total Cost	Qty	Unit Cost
			\$000	Each	\$000	\$000	Each	\$000	\$000	Each	\$000
Tactical Service Management (TSM)								17400			
Network Management System (NMS)								7832			
Data Products			35898			29988		87566			
<b>Total:</b>			<b>35898</b>			<b>29988</b>		<b>112798</b>			

<b>Exhibit P-40, Budget Item Justification Sheet</b>					Date: May 2009	
Appropriation / Budget Activity / Serial No: Other Procurement, Army / 2 / Communications and Electronics Equipment				P-1 Item Nomenclature TACTICAL SERVICE MANAGEMENT (BA9311)		
Program Elements for Code B Items:		Code:	Other Related Program Elements: BA9301			
	Prior Years	FY 2008	FY 2009	FY 2010	To Complete	Total Prog
Proc Qty					Continuing	Continuing
Gross Cost				17.4	Continuing	Continuing
Less PY Adv Proc						
Plus CY Adv Proc						
Net Proc P1				17.4	Continuing	Continuing
Initial Spares						
Total Proc Cost				17.4	Continuing	Continuing
Flyaway U/C						
Weapon System Proc U/C					Continuing	Continuing
<b>Description:</b> The Tactical Service Manager (TSM) is an automated tactical system that provides staffs (G6/S6) the capability of real-time observation (monitoring) and management of servers, applications, and clients used in the commander's decision process. It provides automated assistance in the collection, storage, review, and display of information to support a healthy IT environment at all echelons. Proactive monitoring and management of applications and computing devices includes collection of performance data, fault identification, operating level performance data, and identity activity/usage monitoring. It enables operators to become aware of problems before they occur and take appropriate action to prevent system crashes or service un-availability. The collected information is stored for future analysis to identify trends in resource usage, common faults, and their root causes. The system is designed to operate with existing and planned communications networks and will equip the Force with key elements in support of the Battle Command Common Services infrastructure. Twenty-seven (27) units are to be fielded in FY10.						
<b>Justification:</b> FY2010 procures Tactical Service Management Equipment (TSM) enhances the readiness, availability and mission capability of tactical C4ISR assets. TSM provides visibility into the operational state of critical Battle Command Services and the operational availability of the Warfighter's Battle Command capability (ie., e-mail, database services, and knowledge management portal.  All FY 2010 funds are for the active component.						

<b>OPA2 Cost Elements</b>		ID	<b>FY 08</b>			<b>FY 09</b>			<b>FY 10</b>		
		CD	Total Cost	Qty	Unit Cost	Total Cost	Qty	Unit Cost	Total Cost	Qty	Unit Cost
			\$000	Each	\$000	\$000	Each	\$000	\$000	Each	\$000
Software licenses and maintenance									4012		
Hardware server add-in									623	54	11.400
Program Management									1902		
System Engineering									2979		
Test									4780		
Fielding/NET									1434		
PDSS									1670		
<b>Total:</b>									<b>17400</b>		



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

Date:  
May 2009

Appropriation/Budget Activity/Serial No: Other Procurement, Army/ 2/ Communications and Electronics Equipment		Weapon System Type:	P-1 Line Item Nomenclature: TACTICAL SERVICE MANAGEMENT (BA9311)							
WBS Cost Elements:	Contractor and Location	Contract Method and Type	Location of PCO	Award Date	Date of First Delivery	QTY Each	Unit Cost \$000	Specs Avail Now?	Date Revsn Avail	RFP Issue Date
<b>Hardware server add-in</b> FY 2010	TBS TBS	TBD	Ft. Monmouth, NJ	Jan 10	Mar 10	54	11.400	Y		

REMARKS:

<b>Exhibit P-40, Budget Item Justification Sheet</b>						Date: May 2009
Appropriation / Budget Activity / Serial No: Other Procurement, Army / 2 / Communications and Electronics Equipment				P-1 Item Nomenclature NETWORK MANAGAEMENT SYSTEM (BA9312)		
Program Elements for Code B Items:		Code:	Other Related Program Elements: NMIS (BA9301) Parent Level			
	Prior Years	FY 2008	FY 2009	FY 2010	To Complete	Total Prog
Proc Qty						
Gross Cost				7.8	Continuing	Continuing
Less PY Adv Proc						
Plus CY Adv Proc						
Net Proc P1				7.8	Continuing	Continuing
Initial Spares						
Total Proc Cost				7.8	Continuing	Continuing
Flyaway U/C						
Weapon System Proc U/C					Continuing	Continuing
<b>Description:</b> The Network Managment System is being provided to select Army Signal Units to provide a planning and management capability that has been configured to meet unit specific needs. The NMS will be deployed to Functional Support BDE's, Commands and Centers, and ASCC echelons, as well as SOF/CA/PSYOPS units not covered by other Programs of Record (POR). The NMS provides the following functionality: Network Planning, Network Configuration, Monitoring of the Local Area Network (LAN) or Wide Area Network (WAN), Performance Management (Quality of Service), Troubleshooting Tools and Help desk (Trouble Ticketing System). The system consists of commercial and government off-the-shelf software modules integrated on a commercial hardware platform.						
<b>Justification:</b> FY2010 base procurement dollars are zero.  FY2010 OCO procurement dollars supports the procurement of Network Management Systems, to include hardware & software licenses, fielding of those systems, software support, government and contractor engineering support, and training for NMS.  All FY 2010 funds are for the active component.						

<b>Exhibit P-5, Weapon OPA2 Cost Analysis</b>	Appropriation/Budget Activity/Serial No: Other Procurement, Army / 2 / Communications and Electronics Equipment	P-1 Line Item Nomenclature: NETWORK MANAGAEMENT SYSTEM (BA9312)	Weapon System Type:	Date: May 2009
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OPA2 Cost Elements	ID	FY 08			FY 09			FY 10		
	CD	Total Cost	Qty	Unit Cost	Total Cost	Qty	Unit Cost	Total Cost	Qty	Unit Cost
		\$000	Each	\$000	\$000	Each	\$000	\$000	Each	\$000
Net Planning Equipment								227	6	38
Net Management Equipment								1234	6	206
Software Maint & Support								2138		
Fielding/NET								1631		
Engineering Support								1701		
Program Management								901		
<b>Total:</b>								<b>7832</b>		

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

Date:  
May 2009

Appropriation/Budget Activity/Serial No: Other Procurement, Army/ 2/ Communications and Electronics Equipment		Weapon System Type:	P-1 Line Item Nomenclature: NETWORK MANAGAEMENT SYSTEM (BA9312)							
WBS Cost Elements:	Contractor and Location	Contract Method and Type	Location of PCO	Award Date	Date of First Delivery	QTY Each	Unit Cost \$000	Specs Avail Now?	Date Revsn Avail	RFP Issue Date
<b>Net Planning Equipment</b> FY 2010	TBS TBS	C/T&M	Fort Monmouth, NJ	Jan 10	Mar 10	6				
<b>Net Management Equipment</b> FY 2010	TBD TBD	C/FFP	Fort Monmouth, NJ	Dec 09	Mar 10	6				

REMARKS:

<b>FY 10 / 11 BUDGET PRODUCTION SCHEDULE</b>										P-1 ITEM NOMENCLATURE NETWORK MANAGAEMENT SYSTEM (BA9312)										Date: May 2009	
--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	-------------------	--

COST ELEMENTS						Fiscal Year 10													Fiscal Year 11													Later
MFR	FY	S E R V	PROC QTY Each	ACCEP PRIOR TO 1 OCT	BAL DUE AS OF 1 OCT	Calendar Year 10													Calendar Year 11													
						O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P			

Net Planning Equipment																																					
1	FY 10	A	6	0	6				A		6																										0

Net Management Equipment																																					
2	FY 10	A	6	0	6				A		6																										0

Total					12						12																										
						O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P								

MFR	Name - Location	PRODUCTION RATES			Reached D+	MFR	ADMIN LEAD TIME		MFR	TOTAL	REMARKS	
		MIN	1-8-5	MAX			Prior 1 Oct	After 1 Oct	After 1 Oct	After 1 Oct		
		1	TBS, TBS	1	15	20		1	Initial	0		1
							Reorder	0	1	2	3	
2	TBD, TBD	1	15	20		2	Initial	0	3	3	6	
							Reorder	0	3	3	6	
							Initial					
							Reorder					
							Initial					
							Reorder					
							Initial					
							Reorder					

<b>Exhibit P-40, Budget Item Justification Sheet</b>						Date: May 2009
Appropriation / Budget Activity / Serial No: Other Procurement, Army / 2 / Communications and Electronics Equipment				P-1 Item Nomenclature DATA PRODUCTS (BA9315)		
Program Elements for Code B Items:		Code:	Other Related Program Elements: BA9301			
	Prior Years	FY 2008	FY 2009	FY 2010	To Complete	Total Prog
Proc Qty						
Gross Cost		35.9	30.0	87.6	Continuing	Continuing
Less PY Adv Proc					Continuing	Continuing
Plus CY Adv Proc						
Net Proc P1		35.9	30.0	87.6	Continuing	Continuing
Initial Spares						
Total Proc Cost		35.9	30.0	87.6	Continuing	Continuing
Flyaway U/C						
Weapon System Proc U/C					Continuing	Continuing
<b>Description:</b> Data Products are required to initialize the digitized battlefield systems. Data Products refers to the collection of information/data required to plan and initialize Battle Command Systems like Force XX1 Battle Command Brigade and Below (FBCB2) and Army Battle Command Systems (ABCS). Information/Data includes: FBCB2 database, Op Center database, system architecture, Graphical Architecture View (GAV) and Lightweight Data Integration Format(LDIF) (address book). Data Products provide the Integrated Initialization Data required for digital systems to interoperate. Data Products provide the Warfighter a graphical view of Tactical Operations Center and platform configuration as well as the required interconnects.						
<b>Justification:</b> FY10 Base procurement dollars in the amount of \$53.9 million procures 126 Data Product builds.  FY10 OCO procurement dollars in the amount of \$33.7 million procures 78 Data Product builds.  All FY 2008, 2009, and 2010 funds are for the active component.						

<b>OPA2 Cost Elements</b>		ID	<b>FY 08</b>			<b>FY 09</b>			<b>FY 10</b>		
		CD	Total Cost	Qty	Unit Cost	Total Cost	Qty	Unit Cost	Total Cost	Qty	Unit Cost
			\$000	Each	\$000	\$000	Each	\$000	\$000	Each	\$000
Sys Arch and Data Products			26346			23330			68301		
Test			5123			2266			7005		
Government Engineering/Management			2198			2264			6130		
Training/Fielding			2231			2128			6130		
<b>Total:</b>			<b>35898</b>			<b>29988</b>			<b>87566</b>		

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

Date:  
May 2009

Appropriation/Budget Activity/Serial No: Other Procurement, Army/ 2/ Communications and Electronics Equipment		Weapon System Type:	P-1 Line Item Nomenclature: DATA PRODUCTS (BA9315)								
WBS Cost Elements:	Contractor and Location	Contract Method and Type	Location of PCO	Award Date	Date of First Delivery	QTY Each	Unit Cost \$000	Specs Avail Now?	Date Revsn Avail	RFP Issue Date	
<b>Sys Arch and Data Products</b>											
FY 2008	Computer Sciences Corp Eatontown, NJ	C/Option	Ft Monmouth, NJ	Mar 08							
FY 2009	Computer Sciences Corp Eatontown, NJ	C/Option	Ft Monmouth, NJ	Mar 09							
FY 2010	Computer Sciences Corp Eatontown, NJ	C/Option	Ft. Monmouth, NJ	Jan 08							
FY 2008	Northrup Grumman Carson, CA	C/Option	Ft. Monmouth, NJ	Jan 09							
FY 2009	Northrup Grumman Carson, CA	C/Option	Ft. Monmouth, NJ	Mar 10							
FY 2010	Northrup Grumman Carson, CA	C/Option	Ft. Monmouth, NJ	Jan 10							

REMARKS:



<b>Exhibit P-40, Budget Item Justification Sheet</b>						Date: May 2009
Appropriation / Budget Activity / Serial No: Other Procurement, Army / 2 / Communications and Electronics Equipment				P-1 Item Nomenclature MANEUVER CONTROL SYSTEM (MCS) (BA9320)		
Program Elements for Code B Items: PE 0203740A Project 484		Code: B	Other Related Program Elements:			
	Prior Years	FY 2008	FY 2009	FY 2010	To Complete	Total Prog
Proc Qty						
Gross Cost	644.6	176.4	122.6	82.6	Continuing	Continuing
Less PY Adv Proc					Continuing	Continuing
Plus CY Adv Proc						
Net Proc P1	644.6	176.4	122.6	82.6	Continuing	Continuing
Initial Spares						
Total Proc Cost	644.6	176.4	122.6	82.6	Continuing	Continuing
Flyaway U/C						
Weapon System Proc U/C					Continuing	Continuing
<p><b>Description:</b> Tactical Battle Command (TBC)/Maneuver Control System (MCS) provides the tactical core environment and common services baseline for collaborative Command and Control (C2) executive decision making capabilities, maneuver functional and battle staff tools, and enterprise services. MCS/TBC is a suite of products and services that include the Command Post of the Future (CPOF), Battle Command Common Services (BCCS), Maneuver Control System (MCS), Joint Convergence effort with the Marine Corps, Tactical SharePoint Web Portal, Coalition Interoperability and integration of other Army Battle Command Systems (ABCS).</p> <p>The original MCS program was a single, stand alone solution which has evolved to the multi-product program of today. TBC as defined by the elements below represents the evolution of the program.</p> <p>CPOF serves as the Army's mission critical C2 system that provides collaborative and situational awareness tools to support decision making, planning, rehearsal and execution management. This capability is the primary tool used throughout the Army to manage the operations, brief commanders, and provide the fused Common Operational Picture.</p> <p>BCCS provides the enabling infrastructure for ABCS and Tactical Battle Command and for migration to Net-Centric Enterprise Services (NCES) environment and also Net-Enabled Command Capability (NECC). The Battle Command Server (BC Server) provides interoperability services including the Publish and Subscribe Service (PASS) and Data Dissemination Service (DDS). The server also supports Joint Convergence with the USMC by providing a data exchange gateway that allows the direct exchange of Common Operating Picture (COP) data between the joint services. SharePoint portal services are also provided for asynchronous collaboration managing business and operational processes and leveraging business intelligence tools for data analysis.</p> <p>MCS Version 6.4 is a mission critical C2 system that allows commanders and staffs to visualize the battle space and synchronize the elements of combat power. MCS includes battle staff tools and maneuver functional capabilities including Chemical, Biological, Radiological, and Nuclear (CBRN) tools and Engineering Tools for Combat and Construction Engineers.</p> <p><b>Justification:</b> FY2010 Base funding of \$77,646K will procure Tactical Battle Command equipment for the Active Army, Reserve, and National Guard Units in support of the Unit Set Fielding schedule.</p>						

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

Date: May 2009

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

P-1 Item Nomenclature  
MANEUVER CONTROL SYSTEM (MCS) (BA9320)

Program Elements for Code B Items:  
PE 0203740A Project 484

Code: B

Other Related Program Elements:

FY2010 OCO funding of \$5,000K will procure Tactical Battle Command equipment for deploying units (Army, Reserve, National Guard) in support of Overseas Contingency Operations.

		FY2008	FY2009	FY2010
Active	QTY			
	Gross Cost	164085	86233	65572
National Guard	QTY			
	Gross Cost	12289	29871	16049
Reserve	QTY			
	Gross Cost	5	6542	1025

<b>Exhibit P-5, Weapon OPA2 Cost Analysis</b>		Appropriation/Budget Activity/Serial No: Other Procurement, Army / 2 / Communications and Electronics Equipment			P-1 Line Item Nomenclature: MANEUVER CONTROL SYSTEM (MCS) (BA9320)			Weapon System Type:		Date: May 2009	
<b>OPA2 Cost Elements</b>		ID CD	<b>FY 08</b>			<b>FY 09</b>			<b>FY 10</b>		
			Total Cost	Qty	Unit Cost	Total Cost	Qty	Unit Cost	Total Cost	Qty	Unit Cost
			\$000	Units	\$000	\$000	Units	\$000	\$000	Units	\$000
Workstations			21717	5977	4	9437	2295	4	7711	1857	4
Hardware/Modernization											
BCCS Servers			90084			32015			21778		
Peripherals: (Displays, keyboard,mouse pwr strip, head set, transit case, etc.)			5592			4685			1927		
Software Licenses and Support			22901			40313			16218		
Fielding: (FSR's, SME's, CM & Tech)			27541			27469			26110		
Project Management/Support			8544			8727			8902		
<b>Total:</b>			<b>176379</b>			<b>122646</b>			<b>82646</b>		

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

Date:  
May 2009

Appropriation/Budget Activity/Serial No: Other Procurement, Army/ 2/ Communications and Electronics Equipment			Weapon System Type:		P-1 Line Item Nomenclature: MANEUVER CONTROL SYSTEM (MCS) (BA9320)					
WBS Cost Elements:	Contractor and Location	Contract Method and Type	Location of PCO	Award Date	Date of First Delivery	QTY Each	Unit Cost \$000	Specs Avail Now?	Date Revsn Avail	RFP Issue Date
<b>Workstations</b>										
FY 2008	CHS Taunton, MA	ID/IQ	Ft Monmouth, NJ	Jan 08	Jul 08	5977	4.0	Yes		
FY 2009	CHS Taunton, MA	ID/IQ	Ft Monmouth, NJ	Jan 09	Jul 09	2295	4.0	Yes		
FY 2010	CHS Taunton, MA	ID/IQ	Ft Monmouth, NJ	Jan 10	Jul 10	1857	4.0	Yes		

REMARKS:

<b>Exhibit P-40, Budget Item Justification Sheet</b>						Date: May 2009
Appropriation / Budget Activity / Serial No: Other Procurement, Army / 2 / Communications and Electronics Equipment				P-1 Item Nomenclature Single Army Logistics Enterprise (SALE) (W10801)		
Program Elements for Code B Items:		Code:	Other Related Program Elements:			
	Prior Years	FY 2008	FY 2009	FY 2010	To Complete	Total Prog
Proc Qty					Continuing	Continuing
Gross Cost	1390.3	172.9	70.2	48.3	Continuing	Continuing
Less PY Adv Proc						
Plus CY Adv Proc						
Net Proc P1	1390.3	172.9	70.2	48.3	Continuing	Continuing
Initial Spares						
Total Proc Cost	1390.3	172.9	70.2	48.3	Continuing	Continuing
Flyaway U/C						
Weapon System Proc U/C					Continuing	Continuing
<b>Description:</b> The Single Army Logistics Enterprise is the overarching concept for achieving Army-wide integration of Combat Service Support (CSS) (supply, maintenance, ammunition supply, and personnel management) data. SALE has the funding subcomponents of Standard Army Computers (STACOMP) and Product Life Cycle Management Plus (PLM+). The SALE funding acquires hardware and fielding resources for the current operations of CSS units across the Army, and for the support of emerging CSS applications such as the Global Combat Support System Army (GCSS-Army) and the Personnel Transformation-Army enterprise Human Resource (Army eHR) System.						
<b>Justification:</b> FY10 Base in the amount of \$46.861 million procures and fields computers for life cycle and transformation replacements for CSS that are essential for day-to-day operations of the Army. FY10 also procures hardware/licenses for emerging CSS systems including GCSS-A, PLM+, and Electronic Military Personnel Office (e-MILPO).  FY10 OCO in the amount of \$1.440 million procures equipment for deploying units, the Theater Provided Equipment Infrastructure, additional Lifecycle Replacement of VSAT and obsolete legacy systems and Forward Repair Activities to include contractor maintenance support for OIF/OEF.						

<b>OPA2 Cost Elements</b>		ID	<b>FY 08</b>			<b>FY 09</b>			<b>FY 10</b>		
		CD	Total Cost	Qty	Unit Cost	Total Cost	Qty	Unit Cost	Total Cost	Qty	Unit Cost
			\$000	Each	\$000	\$000	Each	\$000	\$000	Each	\$000
STACOMP		A	170734			35963			12184		
PLM+		A	2193						9841		
SAMS		A				11139			3292		
SARSS		A				2175			7040		
SAAS		A				1789			1406		
ULLS		A				6975			4229		
PBUSE		A				12126			10309		
<b>Total:</b>			<b>172927</b>			<b>70167</b>			<b>48301</b>		

<b>Exhibit P-40, Budget Item Justification Sheet</b>						Date: May 2009
Appropriation / Budget Activity / Serial No: Other Procurement, Army / 2 / Communications and Electronics Equipment				P-1 Item Nomenclature STAMIS TACTICAL COMPUTERS (STACOMP) (W00800)		
Program Elements for Code B Items:		Code:	Other Related Program Elements:			
	Prior Years	FY 2008	FY 2009	FY 2010	To Complete	Total Prog
Proc Qty	4811				Continuing	Continuing
Gross Cost	1632.3	170.7	36.0	12.2	Continuing	Continuing
Less PY Adv Proc						
Plus CY Adv Proc						
Net Proc P1	1632.3	170.7	36.0	12.2	Continuing	Continuing
Initial Spares						
Total Proc Cost	1632.3	170.7	36.0	12.2	Continuing	Continuing
Flyaway U/C						
Weapon System Proc U/C	0.3				Continuing	Continuing
<b>Description:</b>						
<p>Standard Army Management Information System (STAMIS) Tactical Computers (STACOMP) Commercial Off-the-Shelf (COTS) computers are required by Combat Service Support elements within the Army to execute their missions. The STACOMP are used throughout the Army to run the application software used for support functions such as supply, maintenance and ammunition storage, and personnel management. STACOMP includes the initial acquisition and recurring life cycle replacement of those computers. STACOMP are specific to the unit mission rather than the software application. STACOMP, issued and maintained in each type unit based upon its mission, are then used to operate the type and version of software that is currently employed to perform that mission.</p> <p>STACOMP hardware is used by logistical units to support the Standard Army Retail Supply System (SARSS), Standard Army Ammunition System (SAAS), Standard Army Maintenance System (SAMS), Unit Level Logistics System (ULLS), and Property Book Unit Supply Enhanced (PBUSE). Army Logistical units will retain their STACOMP hardware and transition it from these existing software applications to the Global Combat Support System Army (GCSS-Army) software as it is fielded to supplant those existing applications. In FY09 and out, funding for cost elements(SARSS/SAMS/SAAS/PBUSE/ULLS) are shown on STAMIS specific P-Forms (W11002 - W11006).</p> <p>STACOMP is used by personnel management units to support a number of applications. The Army Human Resource System (AHRS) provides commanders the necessary personnel information to make informed decisions on mobilized military personnel resources (both Active Duty and Reserve Component). The Electronic Military Personnel Office (eMILPO) via the AKO portal is to provide a reliable, timely, and efficient mechanism for performing personnel actions and managing strength accountability. The Deployed Theater Accountability System (DTAS) that resides on the Secret Internet Protocol Router (SIPRNet) is to account for military and civilian personnel in a deployed theater. The Tactical Personnel System (TPS) that interfaces with DTAS is to allow soldier data to be loaded into DTAS en mass upon unit's arrival in theater.</p> <p>GCSS-Army will modernize automated tactical logistics by implementing best business practices to streamline supply operations, maintenance operations, property accountability, and logistics management and integration procedures in support of the Future Force transition path of the army Campaign Plan. This effort will implement a comprehensive logistics and tactical finance domain business automation solution for the field (deployable) Army and provide the Commander on the battlefield with an integrated, interoperable view of the battle-space in time to support decisions that will affect the outcome of combat operations, combat power and planning for future operations. STACOMP will be used to purchase associated hardware and COTS software licenses in support of the Global Combat Support System-Army system.</p>						

<b>Exhibit P-40, Budget Item Justification Sheet</b>		Date: May 2009
Appropriation / Budget Activity / Serial No: Other Procurement, Army / 2 / Communications and Electronics Equipment		P-1 Item Nomenclature STAMIS TACTICAL COMPUTERS (STACOMP) (W00800)
Program Elements for Code B Items:	Code:	Other Related Program Elements:
<p>STACOMP are also used to support the software development and server operations of emerging applications such as the Global Combat Support System-Army, and Personnel Transformation-Army enterprise Human Resource (Army eHR) System. GCSS-Army will provide key enabling support to the transformation of Army logistics to a network-centric, knowledge-based future force Army. There will be an Army-wide electronic human resource system using a web-based military/civilian, multi-component enterprise approach for all HR functions. Funds will procure the hardware, enterprise software, and fielding and training support for the integration of these applications.</p> <p><b>Justification:</b>  FY10 Base in the amount of \$12.184 million procures STAMIS hardware and software supporting training and fielding as well as providing for an integration facility supporting existing systems. In addition FY10 procures hardware and software support for the GCSS-Army Contingency of Operations (COOP) facility.</p>		



<b>Exhibit P-5, Weapon OPA2 Cost Analysis</b>		Appropriation/Budget Activity/Serial No: Other Procurement, Army / 2 / Communications and Electronics Equipment			P-1 Line Item Nomenclature: STAMIS TACTICAL COMPUTERS (STACOMP) (W00800)			Weapon System Type:		Date: May 2009	
OPA2 Cost Elements		ID CD	FY 08			FY 09			FY 10		
			Total Cost	Qty	Unit Cost	Total Cost	Qty	Unit Cost	Total Cost	Qty	Unit Cost
			\$000	Each	\$000	\$000	Each	\$000	\$000	Each	\$000
SAARS/SAMS/SAAS/PBUSE		A	64774								
General Life Cycle Replacement (LCR)		A	71062			8479					
General Fielding Support and Training		A	2796			3859					
STAMIS Support Fielding /Training		A	15689					3108			
PLM+			2193								
GCSS-Army		A	10069			19366		8389			
eMILPO Hardware		A	4151			4259		687			
<b>Total:</b>			<b>170734</b>			<b>35963</b>		<b>12184</b>			

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

Date:  
May 2009

Appropriation/Budget Activity/Serial No: Other Procurement, Army/ 2/ Communications and Electronics Equipment	Weapon System Type:	P-1 Line Item Nomenclature: STAMIS TACTICAL COMPUTERS (STACOMP) (W00800)								
WBS Cost Elements:	Contractor and Location	Contract Method and Type	Location of PCO	Award Date	Date of First Delivery	QTY Each	Unit Cost \$000	Specs Avail Now?	Date Revsn Avail	RFP Issue Date
<b>STAMIS Support Fielding /Training</b>										
FY 2010	Various	C/FP	ITEC4, Alexandria, VA	Mar 10	Apr 10			Yes		
<b>GCSS-Army</b>										
FY 2008	Various	C/FP	ITEC4, Alexandria, VA	Feb 09	Apr 09					
FY 2009	Various	C/FP	ITEC4, Alexandria, VA	May 09	TBD					
FY 2010	Various	C/FP	ITEC4, Alexandria, VA	TBD	TBD					
<b>eMILPO Hardware</b>										
FY 2008	EDS Herndon, VA	C/FP	ITEC4, Alexandria, VA	Nov 07	Jan 08			YES		
FY 2009	EDS Herndon, VA	C/FP	ITEC4, Alexandria, VA	Nov 08	Jan 09			YES		

REMARKS:

<b>Exhibit P-40, Budget Item Justification Sheet</b>						Date: May 2009
Appropriation / Budget Activity / Serial No: Other Procurement, Army / 2 / Communications and Electronics Equipment				P-1 Item Nomenclature Product Lifecycle Management Plus (PLM+) (W11001)		
Program Elements for Code B Items:		Code:	Other Related Program Elements:			
	Prior Years	FY 2008	FY 2009	FY 2010	To Complete	Total Prog
Proc Qty						
Gross Cost	31.2	2.2		9.8	Continuing	Continuing
Less PY Adv Proc						
Plus CY Adv Proc						
Net Proc P1	31.2	2.2		9.8	Continuing	Continuing
Initial Spares						
Total Proc Cost	31.2	2.2		9.8	Continuing	Continuing
Flyaway U/C						
Weapon System Proc U/C					Continuing	Continuing
<b>Description:</b>						
<p>Army Enterprise Systems Integration Program (AESIP, formerly Product Life-Cycle Management Plus (PLM+)) mission is to integrate Army business processes by providing a single source for enterprise hub services, centralized master data management, and business intelligence and analytics. AESIP will support the Army's federated approach and enable the integration of end-to-end logistical and financial processes. The Army has successfully addressed concerns about the lack of integration of ERPs by leveraging AESIP core capabilities and expanding those benefits across the Army enterprise. AESIP will be an Army specific commercial off-the-shelf (COTS) web portal implementation via the NetWeaver Platform from developer Systems Applications and Products (SAP) AG to support Army process scenarios and requirements that will provide core competencies:</p> <p>Enterprise Service Bus (Hub Services) - For a Service oriented, single point of entry to connect, mediate and control the exchange of data  Business Intelligence/Business Warehouse - Aggregates data from ERP and non-ERP systems to provide flexible Enterprise level reporting  Enterprise Master Data - For a single source of authoritative data and improved workflow and business processes</p> <p>Hence the AESIP solution establishes a framework for a fully integrated ERP that will ultimately provide Commanders Total Visibility from Factory to Foxhole thereby ensuring delivery of the right equipment to the right unit at the right time, while reducing backlogs of material on the battlefield.</p>						
<b>Justification:</b>						
FY10 Base dollars in the amount of \$9.841 million procures hardware to support enterprise capability at the production and continuity of operations (COOP) environment for AESIP.						

<b>Exhibit P-5, Weapon OPA2 Cost Analysis</b>		Appropriation/Budget Activity/Serial No: Other Procurement, Army / 2 / Communications and Electronics Equipment			P-1 Line Item Nomenclature: Product Lifecycle Management Plus (PLM+) (W11001)			Weapon System Type:		Date: May 2009	
<b>OPA2 Cost Elements</b>		ID	<b>FY 08</b>			<b>FY 09</b>			<b>FY 10</b>		
		CD	Total Cost	Qty	Unit Cost	Total Cost	Qty	Unit Cost	Total Cost	Qty	Unit Cost
			\$000	Units	\$000	\$000	Units	\$000	\$000	Units	\$000
PLM+ Hardware			2193						9841		
<b>Total:</b>			<b>2193</b>						<b>9841</b>		

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

Date:  
May 2009

Appropriation/Budget Activity/Serial No: Other Procurement, Army/ 2/ Communications and Electronics Equipment		Weapon System Type:		P-1 Line Item Nomenclature: Product Lifecycle Management Plus (PLM+) (W11001)						
WBS Cost Elements:	Contractor and Location	Contract Method and Type	Location of PCO	Award Date	Date of First Delivery	QTY Units	Unit Cost \$000	Specs Avail Now?	Date Revsn Avail	RFP Issue Date
<b>PLM+ Hardware</b>										
FY 2008	Various	C/FP	ITEC4, Alexandria, VA	Feb 08	Mar 08			Yes		
FY 2010	Various	C/FP	ITEC4, Alexandria, VA	Feb 10	Mar 10			Yes		

REMARKS:

<b>Exhibit P-40, Budget Item Justification Sheet</b>						Date: May 2009
Appropriation / Budget Activity / Serial No: Other Procurement, Army / 2 / Communications and Electronics Equipment				P-1 Item Nomenclature STANDARD ARMY MAINTENANCE SYSTEM (SAMS) (W11002)		
Program Elements for Code B Items:		Code:	Other Related Program Elements:			
	Prior Years	FY 2008	FY 2009	FY 2010	To Complete	Total Prog
Proc Qty						
Gross Cost			11.1	3.3	Continuing	Continuing
Less PY Adv Proc						
Plus CY Adv Proc						
Net Proc P1			11.1	3.3	Continuing	Continuing
Initial Spares						
Total Proc Cost			11.1	3.3	Continuing	Continuing
Flyaway U/C						
Weapon System Proc U/C					Continuing	Continuing
<b>Description:</b> Standard Army Maintenance System - Enhanced (SAMS-E) combines Unit Level Logistics System - Ground (ULLS-G) and Standard Army Maintenance System (SAMS-1/2) functions. SAMS-E replaces ULLS-G and SAMS-1/2 Systems on a one-for-one basis at current units authorizations. SAMS-E enhances ULLS-G, SAMS-1/2 by incorporating the Windows Graphics User Interface (GUI) operating systems (Win XP OS, Oracle 10g data base). It automates unit level supply, maintenance, readiness & unit status reporting functions, tactical direct support /general support readiness status, and maintenance management. Over 12,000 locations Army wide will be converted to SAMS-E.						
<b>Justification:</b> FY10 BASE dollars in the amount of \$2.812 million procures Lifecycle Replacement of hardware for STAMIS systems (SAMS-E)that have reached their five year life expectancy. System provides unit level supply and maintenance support across the Army.  FY10 OCO dollars in the amount of \$.480 million procures equipment for deploying units, the Theater Provided Equipment Infrastructure, additional Lifecycle Replacement of VSAT and obsolete legacy systems and Forward Repair Activities to include contractor maintenance support in support of OIF/OEF.						

<b>Exhibit P-5, Weapon OPA2 Cost Analysis</b>		Appropriation/Budget Activity/Serial No: Other Procurement, Army / 2 / Communications and Electronics Equipment			P-1 Line Item Nomenclature: STANDARD ARMY MAINTENANCE SYSTEM (SAMS) (W11002)			Weapon System Type:		Date: May 2009	
<b>OPA2 Cost Elements</b>		ID	<b>FY 08</b>			<b>FY 09</b>			<b>FY 10</b>		
		CD	Total Cost	Qty	Unit Cost	Total Cost	Qty	Unit Cost	Total Cost	Qty	Unit Cost
			\$000	Each	\$000	\$000	Each	\$000	\$000	Each	\$000
Fielding/Training		A				9844			600		
Software Licenses		A				425			200		
Hardware		A				870			2492		
<b>Total:</b>						<b>11139</b>			<b>3292</b>		

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

Date:  
May 2009

WBS Cost Elements:	Contractor and Location	Contract Method and Type	Location of PCO	Award Date	Date of First Delivery	QTY Each	Unit Cost \$000	Specs Avail Now?	Date Revsn Avail	RFP Issue Date
Appropriation/Budget Activity/Serial No: Other Procurement, Army/ 2/ Communications and Electronics Equipment										
		Weapon System Type:	P-1 Line Item Nomenclature: STANDARD ARMY MAINTENANCE SYSTEM (SAMS) (W11002)							
<b>Fielding/Training</b> FY 2009 FY 2010	McLane Advance Tech Temple TX McLane Advance Tech Temple TX	T&M T&M	ITEC4, Alexandria VA ITEC4, Alexandria VA	Mar 09 Mar 10	Apr 09 Apr 10			Yes Yes		
<b>Software Licenses</b> FY 2009 FY 2010	Various Contractors Various Locations Various Contractors Various Locations	IDIQ IDIQ	ITEC4, Alexandria, VA ITEC4, Alexandria, VA	Mar 09 Mar 10	Apr 09 Apr 10			Yes Yes		
<b>Hardware</b> FY 2010	GTSI Chantilly, VA	C/FP	ITEC4, Alexandria VA	Mar 10	Apr 10			Yes		

REMARKS:



<b>Exhibit P-40, Budget Item Justification Sheet</b>						Date: May 2009
Appropriation / Budget Activity / Serial No: Other Procurement, Army / 2 / Communications and Electronics Equipment				P-1 Item Nomenclature STANDARD ARMY RETAIL SUPPLY SYSTEM (SARSS) (W11003)		
Program Elements for Code B Items:		Code:	Other Related Program Elements:			
	Prior Years	FY 2008	FY 2009	FY 2010	To Complete	Total Prog
Proc Qty						
Gross Cost			2.2	7.0	Continuing	Continuing
Less PY Adv Proc						
Plus CY Adv Proc						
Net Proc P1			2.2	7.0	Continuing	Continuing
Initial Spares						
Total Proc Cost			2.2	7.0	Continuing	Continuing
Flyaway U/C						
Weapon System Proc U/C					Continuing	Continuing
<b>Description:</b>						
SARSS is the automated system for the operation of Supply Support Activities (SSA) that perform warehouse/distribution functions in at installations and Commands throughout the Army. It is comprised of three interrelated versions: SARSS-1 for internal SSA operations such as receipt, store and issue of material such as repair parts for vehicles and weapons; -2AC/B (Corps Theater ADP Service Center (CTASC)) for area wide control and management of subordinate SSAs; and -Gateway which provides the link between the SSA'a and wholesale level suppliers such as the Army Material Command and the Defense Logistics Agency.						
SARSS performs:						
A. Peacetime and wartime logistics system support to include stock control and accountability.						
B. Supply management to include excess disposition, redistribution, document history, and demand analysis.						
C. Real time requisitioning capability directly to National level for same day support.						
D. Receipt, storage, inventory, and issuance of materiel to individual units."						
<b>Justification:</b>						
FY10 BASE dollars in the amount of \$6.560 million procures Lifecycle Replacement of hardware for STAMIS systems (SARSS) that have reached their five years life expectancy and procurement of Automated Identification Technology requirements. System operates SSAs to include receiving, storing and issuing repair parts; managing sub-ordinate SSAs and linking SSAs and wholesale level suppliers across the Army.						
FY10 OCO dollars in the amount of \$.480 million procures equipment for deploying units, the Theater Provided Equipment Infrastructure, additional Lifecycle Replacement of VSAT and obsolete legacy systems and Forward Repair Activities to include contractor maintenance support in support of OIF/OEF.						

<b>Exhibit P-5, Weapon OPA2 Cost Analysis</b>		Appropriation/Budget Activity/Serial No: Other Procurement, Army / 2 / Communications and Electronics Equipment			P-1 Line Item Nomenclature: STANDARD ARMY RETAIL SUPPLY SYSTEM (SARSS) (W11003)			Weapon System Type:		Date: May 2009	
<b>OPA2 Cost Elements</b>		ID	<b>FY 08</b>			<b>FY 09</b>			<b>FY 10</b>		
		CD	Total Cost	Qty	Unit Cost	Total Cost	Qty	Unit Cost	Total Cost	Qty	Unit Cost
			\$000	Each	\$000	\$000	Each	\$000	\$000	Each	\$000
Fielding/Training		A				393			540		
Software Licenses		A				392			840		
LCR-Hardware		A				1390			5020		
Modularity		A							640		
<b>Total:</b>						<b>2175</b>			<b>7040</b>		

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

Date:  
May 2009

WBS Cost Elements:	Contractor and Location	Contract Method and Type	Location of PCO	Award Date	Date of First Delivery	QTY Each	Unit Cost \$000	Specs Avail Now?	Date Revsn Avail	RFP Issue Date
Appropriation/Budget Activity/Serial No: Other Procurement, Army/ 2/ Communications and Electronics Equipment			Weapon System Type:		P-1 Line Item Nomenclature: STANDARD ARMY RETAIL SUPPLY SYSTEM (SARSS) (W11003)					
<b>Software Licenses</b>										
FY 2009	Various Contractors Various Locations	IDIQ	ITEC4, Alexandria, VA	Mar 09	Apr 09			Yes		
FY 2010	Various Contractors Various Locations	IDIQ	ITEC4, Alexandria, VA	Mar 10	Apr 10			Yes		
<b>LCR-Hardware</b>										
FY 2010	Various Contractors Various Locations	IDIQ	ITEC4, Alexandria, VA	Mar 10	Apr 10			Yes		

REMARKS:

<b>Exhibit P-40, Budget Item Justification Sheet</b>						Date: May 2009
Appropriation / Budget Activity / Serial No: Other Procurement, Army / 2 / Communications and Electronics Equipment				P-1 Item Nomenclature STANDARD ARMY AMMUNITION SYSTEM (SAAS) (W11004)		
Program Elements for Code B Items:		Code:	Other Related Program Elements:			
	Prior Years	FY 2008	FY 2009	FY 2010	To Complete	Total Prog
Proc Qty						
Gross Cost			1.8	1.4	Continuing	Continuing
Less PY Adv Proc						
Plus CY Adv Proc						
Net Proc P1			1.8	1.4	Continuing	Continuing
Initial Spares						
Total Proc Cost			1.8	1.4	Continuing	Continuing
Flyaway U/C						
Weapon System Proc U/C					Continuing	Continuing
<b>Description:</b> A multi-level automated ammunition management, reporting, and accounting system, Standard Army Ammunition Systems Modernized) (SAAS-Mod) automates all retail Class V management life-cycle functions. SAAS-Mod operates in both tactical and non-tactical environments and provides automation support for the Theater Sustainment Command (TSC) Distribution Management Center (DMC), Expeditionary Sustainment Command Distribution Management Centers (ESC DMC), Ammunition Supply Activities at the Sustainment Brigade and TSC levels Theater Storage Areas (TSAs), Close Support Areas (CSAs), and Ammunition Supply Points (ASPs), Brigade Ammunition Office (BAO) and Ammunition Transfer Holding Points (ATHP).						
<b>Justification:</b> FY10 BASE dollars in the amount of \$1.406 million procures Lifecycle Replacement of hardware for STAMIS systems (SAAS)that have reached their five years of life expectancy and the procurement of Automated Identification Technology requirements. System provides centralized information management support of ammunition on the battlefield and in garrison across the Army.  There is no FY10 OCO funding.						

<b>Exhibit P-40, Budget Item Justification Sheet</b>						Date: May 2009
Appropriation / Budget Activity / Serial No: Other Procurement, Army / 2 / Communications and Electronics Equipment				P-1 Item Nomenclature UNIT LEVEL LOGISTICS SYSTEMS (ULLS) (W11005)		
Program Elements for Code B Items:		Code:	Other Related Program Elements:			
	Prior Years	FY 2008	FY 2009	FY 2010	To Complete	Total Prog
Proc Qty						
Gross Cost			7.0	4.2	Continuing	Continuing
Less PY Adv Proc						
Plus CY Adv Proc						
Net Proc P1			7.0	4.2	Continuing	Continuing
Initial Spares						
Total Proc Cost			7.0	4.2	Continuing	Continuing
Flyaway U/C						
Weapon System Proc U/C					Continuing	Continuing
<b>Description:</b>						
Unit Level Logistics System Aviation (ULLS-A)/Enhanced (E) is a computer based software system operated by flight company, crew chiefs, and field level aviation maintenance personnel to track Preventive Maintenance Checks & Services (PMCS), on-hand Prescribed Load List (PLL) usage and The Army Maintenance Management System-Aviation (TAMMS-A) functions.						
ULLS-A (E) transforms the software environment to full Windows technology and incorporates current functionality plus numerous other enhancements.						
<b>Justification:</b>						
FY10 BASE dollars in the amount of \$3.749 million procures Lifecycle Replacement of hardware for STAMIS systems (ULLS) that have reached their five year life expectancy. System is used to manage all maintenance actions and to initiate and pass work requests to the supporting Aviation Intermediate Maintenance. System supports all aviation units across the Army.						
FY10 OCO dollars in the amount of \$.480 million procures equipment for deploying units, the Theater Provided Equipment Infrastructure, additional Lifecycle Replacement of VSAT and obsolete legacy systems and Forward Repair Activities to include contractor maintenance support in support of OIF/OEF.						

<b>Exhibit P-5, Weapon OPA2 Cost Analysis</b>	Appropriation/Budget Activity/Serial No: Other Procurement, Army / 2 / Communications and Electronics Equipment	P-1 Line Item Nomenclature: UNIT LEVEL LOGISTICS SYSTEMS (ULLS) (W11005)	Weapon System Type:	Date: May 2009
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OPA2 Cost Elements	ID	FY 08			FY 09			FY 10		
	CD	Total Cost	Qty	Unit Cost	Total Cost	Qty	Unit Cost	Total Cost	Qty	Unit Cost
		\$000	Each	\$000	\$000	Each	\$000	\$000	Each	\$000
Fielding/Training	A				5300					
Software Licenses	A				425			1583		
Hardware					1250			2646		
<b>Total:</b>					<b>6975</b>			<b>4229</b>		

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

Date:  
May 2009

Appropriation/Budget Activity/Serial No: Other Procurement, Army/ 2/ Communications and Electronics Equipment	Weapon System Type:	P-1 Line Item Nomenclature: UNIT LEVEL LOGISTICS SYSTEMS (ULLS) (W11005)								
WBS Cost Elements:	Contractor and Location	Contract Method and Type	Location of PCO	Award Date	Date of First Delivery	QTY Each	Unit Cost \$000	Specs Avail Now?	Date Revsn Avail	RFP Issue Date
<b>Fielding/Training</b>										
FY 2009	West Star Huntsville, AL	T&M	GSA, Atlanta, GA	Oct 09	Nov 09			Yes		
FY 2010	West Star Huntsville, AL	T&M	GSA, Atlanta, GA	Oct 10	Nov 10			Yes		
<b>Software Licenses</b>										
FY 2009	Various Contractors Various Locations	IDIQ	ITEC4,ALEXANDRIA, VA	Mar 09	Apr 09			Yes		
FY 2010	Various Contractors Various Locations	IDIQ	ITEC4,ALEXANDRIA, VA	Mar 10	Apr 10			Yes		
<b>Hardware</b>										
FY 2010	GTSI Chantilly, VA	C/FP	ITEC4,ALEXANDRIA, VA	Mar 10	Apr 10			Yes		

REMARKS:

<b>Exhibit P-40, Budget Item Justification Sheet</b>						Date: May 2009
Appropriation / Budget Activity / Serial No: Other Procurement, Army / 2 / Communications and Electronics Equipment				P-1 Item Nomenclature PROPERTY BOOK USER SYSTEM ENHANCED (PBUSE) (W11006)		
Program Elements for Code B Items:		Code:	Other Related Program Elements:			
	Prior Years	FY 2008	FY 2009	FY 2010	To Complete	Total Prog
Proc Qty						
Gross Cost			12.1	10.3	Continuing	Continuing
Less PY Adv Proc						
Plus CY Adv Proc						
Net Proc P1			12.1	10.3	Continuing	Continuing
Initial Spares						
Total Proc Cost			12.1	10.3	Continuing	Continuing
Flyaway U/C						
Weapon System Proc U/C					Continuing	Continuing
<b>Description:</b> PBUSE is the Army's first web-based, state-of-the-art, Combat Service Support (CSS) property accountability application designed to deliver total asset visibility in real-time. PBUSE enables immediate access to up-to-date information regarding property accountability, asset visibility and management reporting. PBUSE provides Logistics Total Army Authorization Documents System (LOGTAADS) updates, serial number tracking, asset adjustments, lateral transfers, authorization updates, and manages basic and operational loads and hand receipts. PBUSE is a bridge to the Global Combat Service Support--Army (GCSS-Army) Enterprise Resource Planning (ERP) solution via state-of-the-art software and hardware with accurate data.						
<b>Justification:</b> FY10 BASE dollars in the amount of \$10.309 procures Lifecycle Replacement of hardware for STAMIS systems (PBUSE) that have reached five year life expectancy. System provides property book accountability for tactical and non-tactical units across the Army.  There is no FY10 OCO funding.						



<b>OPA2 Cost Elements</b>		ID	<b>FY 08</b>			<b>FY 09</b>			<b>FY 10</b>		
		CD	Total Cost	Qty	Unit Cost	Total Cost	Qty	Unit Cost	Total Cost	Qty	Unit Cost
			\$000	Each	\$000	\$000	Each	\$000	\$000	Each	\$000
<b>Hardware Replacement</b>											
V1 Configuration		8				7907	2484	3.183	7469	2279	3.278
V2 Configuration		8				3634	685	5.305	2317	424	5.464
<b>Hardware Replacement Total</b>						<b>11541</b>			<b>9786</b>		
Fielding/Training		A				360			200		
Software Licenses		A				225			323		
<b>Total:</b>						<b>12126</b>			<b>10309</b>		

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

Date:  
May 2009

WBS Cost Elements:	Contractor and Location	Contract Method and Type	Location of PCO	Award Date	Date of First Delivery	QTY Each	Unit Cost \$	Specs Avail Now?	Date Revsn Avail	RFP Issue Date
Appropriation/Budget Activity/Serial No: Other Procurement, Army/ 2/ Communications and Electronics Equipment										
		Weapon System Type:	P-1 Line Item Nomenclature: PROPERTY BOOK USER SYSTEM ENHANCED (PBUSE) (W11006)							
<b>Hardware Replacement</b>										
FY 2009	Various Contractors Various Locations	IDIQ	ITEC4, Alexandria, VA	Mar 09	Apr 09			Yes		
FY 2010	Various Contractors Various Locations	IDIQ	ITEC4, Alexandria, VA	Mar 10	Apr 10			Yes		
<b>Fielding/Training</b>										
FY 2009	NGMS Chester, VA	T&M	ITEC4, Alexandria, VA	Apr 09	May 09			Yes		
FY 2010	NGMS Chester, VA	T&M	ITEC4, Alexandria, VA	Apr 10	May 10			Yes		
<b>Software Licenses</b>										
FY 2009	Various Contractors Various Locations	IDIQ	ITEC4, Alexandria, VA	Mar 09	Apr 09			Yes		
FY 2010	Various Contractors Various Locations	IDIQ	ITEC4, Alexandria, VA	Mar 10	Apr 10			Yes		
FY 2010	Various Contractors Various Locations	IDIQ	ITEC4, Alexandria, VA	Mar 11	Apr 11			Yes		

REMARKS:

<b>Exhibit P-40, Budget Item Justification Sheet</b>						Date: May 2009
Appropriation / Budget Activity / Serial No: Other Procurement, Army / 2 / Communications and Electronics Equipment				P-1 Item Nomenclature RECONNAISSANCE AND SURVEYING INSTRUMENT SET (BZ9966)		
Program Elements for Code B Items:		Code:	Other Related Program Elements:			
	Prior Years	FY 2008	FY 2009	FY 2010	To Complete	Total Prog
Proc Qty						
Gross Cost				12.0		12.0
Less PY Adv Proc						
Plus CY Adv Proc						
Net Proc P1				12.0		12.0
Initial Spares						
Total Proc Cost				12.0		12.0
Flyaway U/C						
Weapon System Proc U/C						
<b>Description:</b>						
<p>The Instrument Set, Reconnaissance and Surveying (ENFIRE) is a tactical engineering tool set designed to modernize the collection and dissemination of engineer related information while minimizing exposure to enemy observation. ENFIRE incorporates the ability to automatically populate field data on digital forms used for road, bridge, hasty minefield, and Improvised Explosive Device (IED) reconnaissance/reporting with relevant information from peripheral devices included in the ENFIRE set. ENFIRE sets are used at the company, platoon, and squad levels as a means to facilitate rapid collection and dissemination of information to commanders in the field. Information may be disseminated via the Battle Command Common Services (BCCS) to other ENFIRE sets and to other Battle Command (BC) systems.</p> <p>The long distance laser range finder allows soldiers to quickly and accurately determine a target's bearing and distance from the users location at a range of up to 6 kilometers. Used in conjunction with the Defense Advanced GPS Receiver (DAGR) and ArcMap software, ENFIRE users are able to create overlays of bridges, roads, hasty minefields, and IEDs on digital maps as they collect information related to these targets. Using the video camcorder and digital scanner, ENFIRE users can also collect picture and scanned image files that can be associated with bridge, road, hasty minefield and IED information for reporting purposes. Reports can be generated in hard or soft copy for quick dissemination enabling the "Every Soldier as a Sensor" concept.</p> <p>ENFIRE also offers tools to help construction and facilities engineers effectively plan and efficiently undertake projects. ENFIRE's construction site-planning software supports structure design, cut and fills requirements, material needs, and personnel and time requirement calculations. ENFIRE's project management tools can create Gantt charts to track project progress and milestones. ENFIRE provides a bar code scanning capability which makes inventory management faster and more accurate.</p>						
<b>Justification:</b>						
FY10 Base procurement dollars in the amount of \$12.012 million supports the procurement of ENFIRE for Active Duty, National Guard and Army Reserve Engineer Units.						

<b>OPA2 Cost Elements</b>		ID	<b>FY 08</b>			<b>FY 09</b>			<b>FY 10</b>		
		CD	Total Cost	Qty	Unit Cost	Total Cost	Qty	Unit Cost	Total Cost	Qty	Unit Cost
			\$000	Each	\$000	\$000	Each	\$000	\$000	Each	\$000
ENFIRE Systems									9115	171	53
Program Office									200		
Training / Fielding									2050		
Matrix Support									400		
Integrated Logistics Support									47		
Engineering and Integration									200	1	200
<b>Total:</b>									<b>12012</b>		

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

Date:  
May 2009

WBS Cost Elements:	Contractor and Location	Contract Method and Type	Location of PCO	Award Date	Date of First Delivery	QTY Each	Unit Cost \$000	Specs Avail Now?	Date Revsn Avail	RFP Issue Date
Appropriation/Budget Activity/Serial No: Other Procurement, Army/ 2/ Communications and Electronics Equipment										
		Weapon System Type:	P-1 Line Item Nomenclature: RECONNAISSANCE AND SURVEYING INSTRUMENT SET (BZ9966)							
<b>ENFIRE Systems</b> FY 2010  FY 2011  <b>Program Office</b> <b>Engineering and Integration</b> FY 2010  FY 2011	Azimuth, Inc. Morgantown, WV  Azimuth, Inc. Morgantown, WV  Northrop Grumman Chantilly, VA  Northrop Grumman Chantilly, VA	FFP     CFFF	US Army Geospatial Center    US Army Geospatial Center	Feb 10    Mar 10	Apr 10    May 10	171    1	53    200			

REMARKS:

<b>Exhibit P-40, Budget Item Justification Sheet</b>						Date: May 2009
Appropriation / Budget Activity / Serial No: Other Procurement, Army / 2 / Communications and Electronics Equipment				P-1 Item Nomenclature Mounted Battle Command on the Move (MBCOTM) (BZ9970)		
Program Elements for Code B Items:		Code:	Other Related Program Elements:			
	Prior Years	FY 2008	FY 2009	FY 2010	To Complete	Total Prog
Proc Qty						
Gross Cost	108.5	50.3	43.8	0.9		203.5
Less PY Adv Proc						
Plus CY Adv Proc						
Net Proc P1	108.5	50.3	43.8	0.9		203.5
Initial Spares						
Total Proc Cost	108.5	50.3	43.8	0.9		203.5
Flyaway U/C						
Weapon System Proc U/C						
<p><b>Description:</b>  Mounted Battle Command on the Move (MBCOTM) C2 On The Move system is a Command, Control, Computers, Communications, Intelligence mission equipment package that is integrated onto Bradley, Stryker, MRAP and Light Tactical Vehicle authorized host A-Kit platforms. The focus of MBCOTM C2OTM is to facilitate commander execution of net-centric operations versus command post-centric operations. This capability is required to support BCT and higher echelon commanders during combat operations and battlefield circulation to maintain Situational Awareness and C2/Collaboration capabilities while allowing Commanders to move to the decisive point on the battlefield.</p> <p><b>Justification:</b>  FY2010 Base procurement dollars in the amount of \$1.000 million supports program management support.</p>						

<b>OPA2 Cost Elements</b>		ID	<b>FY 08</b>			<b>FY 09</b>			<b>FY 10</b>		
		CD	Total Cost	Qty	Unit Cost	Total Cost	Qty	Unit Cost	Total Cost	Qty	Unit Cost
			\$000	Units	\$000	\$000	Units	\$000	\$000	Units	\$000
Bradley B Kit			1002								
Stryker B Kit			467								
Bradley Trainer			3000								
HMMWV Trainer			1100								
MRAP C2OTM						9931	9	1103			
Stryker C2OTM						1110	1	1110			
Other Hardware			9671			3802					
Program Management			3721			2000			926		
Logistics			23009			21500					
Total Package Fielding			112			3150					
Test			4782			2300					
Engineering			3453								
<b>Total:</b>			<b>50317</b>			<b>43793</b>			<b>926</b>		

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

Date:  
May 2009

WBS Cost Elements:	Contractor and Location	Contract Method and Type	Location of PCO	Award Date	Date of First Delivery	QTY Units	Unit Cost \$000	Specs Avail Now?	Date Revsn Avail	RFP Issue Date
<b>MRAP C2OTM</b> FY 2009	MRAP C2OTM TBS Ft. Monmouth, NJ	C/FFP	CECOM/ Ft. Monmouth, NJ	Jul 09	Jan 10	9	1103	Y		
<b>Stryker C2OTM</b> FY 2009	Stryker C2OTM TBS Ft. Monmouth, NJ	C/FFP	CECOM/Ft. Monmouth, NJ	Jul 09	Jan 10	1	1110	Y		

REMARKS:



<b>FY 09 / 10 BUDGET PRODUCTION SCHEDULE</b>	P-1 ITEM NOMENCLATURE Mounted Battle Command on the Move (MBCOTM) (BZ9970)	Date: May 2009
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COST ELEMENTS						Fiscal Year 09												Fiscal Year 10												Later
MFR	FY	SE RV	PROC QTY Each	ACCEP PRIOR TO 1 OCT	BAL DUE AS OF 1 OCT	Calendar Year 09												Calendar Year 10												
						OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	
MRAP C2OTM																														
1	FY 09	A	9	0	9																								0	
Stryker C2OTM																														
2	FY 09	A	1	0	1																								0	
Total					10																									
						OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	

MFR	Name - Location	PRODUCTION RATES			Reached D+	MFR	ADMIN LEAD TIME		MFR After 1 Oct	TOTAL After 1 Oct	REMARKS	
		MIN	1-8-5	MAX			Prior 1 Oct	After 1 Oct				
		1	2	3			4	5				
1	MRAP C2OTM, TBS Ft. Monmouth, NJ	3	3	3		1	Initial	0	1	6	7	
							Reorder	0	1	6	7	
2	Stryker C2OTM, TBS Ft. Monmouth, NJ	3	3	3		2	Initial	0	1	6	7	
							Reorder	0	1	6	7	
							Initial					
							Reorder					
							Initial					
							Reorder					
							Initial					
							Reorder					

<b>Exhibit P-40, Budget Item Justification Sheet</b>					Date: May 2009	
Appropriation / Budget Activity / Serial No: Other Procurement, Army / 2 / Communications and Electronics Equipment				P-1 Item Nomenclature GENERAL FUND ENTERPRISE BUSINESS SYSTEM (BE4168)		
Program Elements for Code B Items:		Code:	Other Related Program Elements:			
	Prior Years	FY 2008	FY 2009	FY 2010	To Complete	Total Prog
Proc Qty						
Gross Cost	8.0	9.8	30.0	85.8		133.6
Less PY Adv Proc						
Plus CY Adv Proc						
Net Proc P1	8.0	9.8	30.0	85.8		133.6
Initial Spares						
Total Proc Cost	8.0	9.8	30.0	85.8		133.6
Flyaway U/C						
Weapon System Proc U/C						
<b>Description:</b> The General Fund Enterprise Business System (GFEBS) is a Major Automated Information System (MAIS) (ACAT-1AM) that will replace 30+-year-old financial systems and other costly systems like the Standard Finance Systems (STANFINS), Standard Operations and Maintenance, Army R&D System (SOMARDS), and Database Commitment Accounting System (DbCAS/WebCas). GFEBS will become the Department of the Army's new core financial management system for administering its general fund to improve performance, to standardize processes and to ensure future needs are met. GFEBS will be a commercial off-the-shelf (COTS) Enterprise Resource Planning (ERP) System that is certified by the Chief Financial Officers Council (CFOC) and provides the six core financial functions: general ledger management, payment management, receivables management, funds management, cost management, and reporting. GFEBS will train and support nearly 79,000 users at over 200 installations worldwide.						
<b>Justification:</b> FY10 Base in the amount of \$85.801M procures SAP Software licenses, initial training of system administrators, operators and users in support of the fielding of GFEBS. FY10 Base supports the fielding of Release 1.3/1.4 to the entire Active Army, Army Reserves, Army National Guard and select Defense Agencies.  FY08, FY09, and FY10 funding is for the Active Compo.						

<b>Exhibit P-5, Weapon OPA2 Cost Analysis</b>	Appropriation/Budget Activity/Serial No: Other Procurement, Army / 2 / Communications and Electronics Equipment	P-1 Line Item Nomenclature: GENERAL FUND ENTERPRISE BUSINESS SYSTEM (BE4168)			Weapon System Type:	Date: May 2009				
<b>OPA2 Cost Elements</b>	ID	<b>FY 08</b>			<b>FY 09</b>			<b>FY 10</b>		
	CD	Total Cost	Qty	Unit Cost	Total Cost	Qty	Unit Cost	Total Cost	Qty	Unit Cost
		\$000	Units	\$000	\$000	Units	\$000	\$000	Units	\$000
System Procurement		7174			8745			9284		
System Initiation, Implementation, and		2577			21303			76517		
Fielding										
<b>Total:</b>		<b>9751</b>			<b>30048</b>			<b>85801</b>		

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

Date:  
May 2009

Appropriation/Budget Activity/Serial No: Other Procurement, Army/ 2/ Communications and Electronics Equipment		Weapon System Type:	P-1 Line Item Nomenclature: GENERAL FUND ENTERPRISE BUSINESS SYSTEM (BE4168)							
WBS Cost Elements:	Contractor and Location	Contract Method and Type	Location of PCO	Award Date	Date of First Delivery	QTY Units	Unit Cost \$000	Specs Avail Now?	Date Revsn Avail	RFP Issue Date
<b>System Procurement</b>										
FY 2008	Accenture Alexandria, VA	FFP	ITEC-4, Alexandria, VA	VAR	VAR			YES		
FY 2009	Accenture Alexandria, VA	FFP	ITEC-4, Alexandria, VA	VAR	VAR			YES		

REMARKS:

<b>Exhibit P-40, Budget Item Justification Sheet</b>	Date: May 2009
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Appropriation / Budget Activity / Serial No: Other Procurement, Army / 2 / Communications and Electronics Equipment	P-1 Item Nomenclature ARMY TRAINING MODERNIZATION (BE4169)
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Program Elements for Code B Items:	Code:	Other Related Program Elements:
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	Prior Years	FY 2008	FY 2009	FY 2010	To Complete	Total Prog
Proc Qty						
Gross Cost	195.2	11.2	13.4	12.8	Continuing	Continuing
Less PY Adv Proc						
Plus CY Adv Proc						
Net Proc P1	195.2	11.2	13.4	12.8	Continuing	Continuing
Initial Spares						
Total Proc Cost	195.2	11.2	13.4	12.8	Continuing	Continuing
Flyaway U/C						
Weapon System Proc U/C					Continuing	Continuing

**Description:**  
 Army Training Modernization (ATM) includes three related efforts to acquire Digital Training Facilities (DTF). DTFs will allow rapid delivery of high quality instruction to Army personnel. Infrastructure acquired will be based on industry standards and will comply with the Joint Technical Architecture (JTA) and Defense Information Infrastructure Common Operating Environment (DII COE), where applicable. This will help assure compatibility with other military services and that commercial, state, and other resources can be leveraged to achieve cost effective solutions to support all Army components. Specific initiatives include Distributive Training Technology Project (DTTP), Other Training Modernization, and the Distributed Learning System (DLS). Other Training Modernization TRADOC Classroom XXI (CRXXI) modernizes/enhances classrooms at existing Training and Doctrine Command (TRADOC) resident schools. This improves training provided through the schools and allows their use to broadcast training to Army wide DTFs deployed through DTTP and DLS. DTTP and DLS will provide approximately 607 modern distance learning (DL) enabled DTFs and associated supporting infrastructure to augment training at existing resident Army schools. This will allow Army to both increase the number of Army personnel receiving required training and the amount of training that can be provided to each individual.

ATM provides a cost effective solution for training Army personnel. It will help maintain acceptable out year readiness levels despite massive resource reductions. Supported training enhancements will help reduce the current backlog of Military Operational Specialty (MOS) training. Army can significantly increase levels of MOS qualification, hence readiness, with standardized Army courseware delivered through Distributed Learning (DL) technology. Implementation of these technology enablers will reduce resident training requirements and Soldiers will spend less time in the training base and more time in units, thereby increasing readiness. ATM will deliver standardized training to Active Component (AC) and Reserve Component (RC) Soldiers and Department of the Army Civilians (DAC). DTTP/DLS provide infrastructure for Soldiers to train at or near their assigned station in lieu of resident training at Army schools. The CRXXI component of Other Training Modernization provides infrastructure of modernized classrooms at existing TRADOC schools. Operational implementation of the CRXXI infrastructure is carefully phased to coincide with development of redesigned instructional courseware, taking into account the number of Soldiers to be trained, types of training needed, and where training is needed to maximize the return on the ATM investment. Tasks supported within CRXXI include both conducting training and receiving training.

**Justification:**  
 FY 2010 Base dollars of \$12.823 will procure continued modernization (hardware, software, and communication) of TRADOC institution-delivered training classrooms; procures DLS enterprise information technology refreshment within previously fielded DTFs, the Enterprise Management Center (EMC), the Army Learning Management System enhancements; the DLS enterprise Continuity of Operations Plan (COOP); and DLS Increment 4, Deployed Digital Training Campus (DDTC) systems. Additionally, FY 2010 Base dollars will procure refreshment of DTTP facilities

<b>Exhibit P-40, Budget Item Justification Sheet</b>		Date: May 2009
Appropriation / Budget Activity / Serial No: Other Procurement, Army / 2 / Communications and Electronics Equipment		P-1 Item Nomenclature ARMY TRAINING MODERNIZATION (BE4169)
Program Elements for Code B Items:	Code:	Other Related Program Elements:
currently fielded to the National Guard thus providing operational training facilities closer to home stations for the Army, Army Reserve and National Guard.		

<b>Exhibit P-5, Weapon OPA2 Cost Analysis</b>	Appropriation/Budget Activity/Serial No: Other Procurement, Army / 2 / Communications and Electronics Equipment	P-1 Line Item Nomenclature: ARMY TRAINING MODERNIZATION (BE4169)	Weapon System Type:	Date: May 2009
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OPA2 Cost Elements	ID	FY 08			FY 09			FY 10		
	CD	Total Cost	Qty	Unit Cost	Total Cost	Qty	Unit Cost	Total Cost	Qty	Unit Cost
		\$000	Each	\$000	\$000	Each	\$000	\$000	Each	\$000
Distributed Learning System (DLS)	A	5784			9071			7618		
Distributive Training Technology (DTT)	A	3653			2924			3822		
Other Training Modernization (CR XXI)		1767			1446			1383		
<b>Total:</b>		<b>11204</b>			<b>13441</b>			<b>12823</b>		

<b>Exhibit P-40, Budget Item Justification Sheet</b>					Date: May 2009	
Appropriation / Budget Activity / Serial No: Other Procurement, Army / 2 / Communications and Electronics Equipment				P-1 Item Nomenclature DISTRIBUTIVE TRAINING TECHNOLOGY (BE4171)		
Program Elements for Code B Items:		Code:	Other Related Program Elements:			
	Prior Years	FY 2008	FY 2009	FY 2010	To Complete	Total Prog
Proc Qty						
Gross Cost	75.0	3.7	2.9	3.8	Continuing	Continuing
Less PY Adv Proc						
Plus CY Adv Proc						
Net Proc P1	75.0	3.7	2.9	3.8	Continuing	Continuing
Initial Spares						
Total Proc Cost	75.0	3.7	2.9	3.8	Continuing	Continuing
Flyaway U/C						
Weapon System Proc U/C					Continuing	Continuing
<b>Description:</b> The Distributive Training Technology Project (DTTP) provides state-of-the-art distance-learning facilities and infrastructure to improve National Guard readiness by increasing access to military training and education, improving performance through consolidation of common telecommunication requirements, facilitating Command, Control, and Communications (C3), and fostering economic development by improving educational levels and providing information access through shared use of project resources on an as available basis with the communities in which the Guard is based. DTTP is transforming Guard training through the use of information technology. The variations between years are attributed to the Army's need to increase funding for higher prioritized institutional training. <p>In partnership with the Army's Training Doctrine Command (TRADOC), the National Guard's DTTP facilities deployment plan was tied to TRADOC's "1 to N" list in order to complement, rather than duplicate, Army facility locations. As a result, the effort dramatically expanded the reach of military distributed learning (DL) capabilities, thereby reducing training costs and other factors that negatively impact recruitment, retention, and safety by bringing training closer to more students. This plan supports the Total Army School System (TASS) Battalions of the U.S. Army, Army Reserve, and National Guard by providing cross component resources without having to duplicate services or facilities in the same localities.</p> <p><b>Justification:</b> FY10 Base funding in the amount of \$3.822 will procure refreshment of 38 DTTP facilities of 339 currently fielded to the National Guard. Sustainment of these facilities provides the Army, Army Reserve, and National Guard operational training facilities closer to home stations.</p>						



<b>Exhibit P-5, Weapon OPA2 Cost Analysis</b>		Appropriation/Budget Activity/Serial No: Other Procurement, Army / 2 / Communications and Electronics Equipment			P-1 Line Item Nomenclature: DISTRIBUTIVE TRAINING TECHNOLOGY (BE4171)			Weapon System Type:		Date: May 2009	
<b>OPA2 Cost Elements</b>		ID	<b>FY 08</b>			<b>FY 09</b>			<b>FY 10</b>		
		CD	Total Cost	Qty	Unit Cost	Total Cost	Qty	Unit Cost	Total Cost	Qty	Unit Cost
			\$000	Units	\$000	\$000	Units	\$000	\$000	Units	\$000
Distributive Training Facility Refresh		A	3653	37	99	2924	29	101	3822	38	100
<b>Total:</b>			<b>3653</b>			<b>2924</b>			<b>3822</b>		

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

Date:  
May 2009

Appropriation/Budget Activity/Serial No: Other Procurement, Army/ 2/ Communications and Electronics Equipment		Weapon System Type:	P-1 Line Item Nomenclature: DISTRIBUTIVE TRAINING TECHNOLOGY (BE4171)							
WBS Cost Elements:	Contractor and Location	Contract Method and Type	Location of PCO	Award Date	Date of First Delivery	QTY Each	Unit Cost \$000	Specs Avail Now?	Date Revsn Avail	RFP Issue Date
<b>Distributive Training Facility Refresh</b>										
FY 2008	SRA Fairfax, VA	IDIQ	Arlington, VA	Oct 07	Jan 08	37	99	Yes	No	
FY 2009	SAIC (via FEDSIM) Arlington, VA	IDIQ	Alexandria, VA	Oct 08	Nov 08	29	101	Yes	No	
FY 2010	SAIC (via FEDSIM) Arlington, VA	IDIQ	Alexandria, VA	Oct 09	TBD	38	100	No	No	
FY 2011	SAIC (via FEDSIM) Arlington, VA	IDIQ	Alexandria, VA	Oct 10	TBD		100	No	No	

REMARKS: A new Prime Contractor, Science Applications International Corporation (SAIC) was selected in May 2008.

<b>Exhibit P-40, Budget Item Justification Sheet</b>						Date: May 2009
Appropriation / Budget Activity / Serial No: Other Procurement, Army / 2 / Communications and Electronics Equipment				P-1 Item Nomenclature OTHER TRAINING MODERNIZATION (BE4172)		
Program Elements for Code B Items:		Code:	Other Related Program Elements:			
	Prior Years	FY 2008	FY 2009	FY 2010	To Complete	Total Prog
Proc Qty						
Gross Cost	39.5	1.8	1.4	1.4	Continuing	Continuing
Less PY Adv Proc						
Plus CY Adv Proc						
Net Proc P1	39.5	1.8	1.4	1.4	Continuing	Continuing
Initial Spares						
Total Proc Cost	39.5	1.8	1.4	1.4	Continuing	Continuing
Flyaway U/C						
Weapon System Proc U/C					Continuing	Continuing
<b>Description:</b> The Army Distributed Learning Program: Classroom XXI program modernizes resident classrooms across 15 Army installations and 33 Training and Doctrine Command (TRADOC) schools to provide instructors with a digital platform to conduct training. Classroom XXI provides the infrastructure to deliver digital training from the institution to remote Digital Training Facilities and Reserve Components and provides Soldiers with 24/7 reach capability for training access anytime/anywhere. Classroom XXI is the advanced resident instructional environment in which the Soldier will train for the Contemporary Operating Environment (COE). The program transforms current instructor-centric, self-contained classrooms into student-centric, multimedia platforms with worldwide capabilities for Soldiers to obtain and share training material and collaborate with other Soldiers. Classroom XXI establishes both the architectural criteria for classroom rehabilitation and the technology standards for Army institutional training, using open architecture and standards-compliant technologies for interoperability. Classrooms are fully networked, offering high technology advanced distributive learning capabilities. Classrooms provide Soldiers with access to the same or different courseware simultaneously from networked video-on-demand libraries, Internet access, full-motion/full-screen digital video with display on the same or different courseware simultaneously from networked video-on-demand libraries, Internet access, full-motion/full-screen digital video with display on the large screens and on the desktop, and collaborative computing. This system supports the Army Campaign Plan.						
<b>Justification:</b> FY 2010 Base dollars of \$1.383M will procure continued modernization (hardware, software, and communication) of TRADOC institution-delivered training classrooms. Classroom XXI is a key element of the Army Digital Training Strategy that continues to define the Army standard. Soldiers will immediately contribute to unit operational readiness upon arrival after training. The system facilitates mobilization training by allowing just-in-time training for deploying warfighters.						

<b>Exhibit P-40, Budget Item Justification Sheet</b>						Date: May 2009	
Appropriation / Budget Activity / Serial No: Other Procurement, Army / 2 / Communications and Electronics Equipment				P-1 Item Nomenclature Distributed Learning System (DLS) (BE4173)			
Program Elements for Code B Items:			Code:	Other Related Program Elements:			
	Prior Years		FY 2008	FY 2009	FY 2010	To Complete	Total Prog
Proc Qty							
Gross Cost	120.6		5.8	9.1	7.6	Continuing	Continuing
Less PY Adv Proc							
Plus CY Adv Proc							
Net Proc P1	120.6		5.8	9.1	7.6	Continuing	Continuing
Initial Spares							
Total Proc Cost	120.6		5.8	9.1	7.6	Continuing	Continuing
Flyaway U/C							
Weapon System Proc U/C						Continuing	Continuing
<b>Description:</b> The Distributed Learning System (DLS) is an Army Acquisition Category III Army Component (ACAT III AC) automated information system that modernizes training delivery in the Army training and education system by leveraging information technology (IT). DLS initially fielded 274 Digital Training Facilities (DTFs) and currently operates and sustains 227 DTFs with standard automation and supporting infrastructure to improve the Army's ability to train service members and supporting civilian workers. The 227 DTFs consist of 122 Active Component (AC) DTFs and 105 United States Army Reserve (USAR) electronic classrooms. DLS will aid the Army in properly training all components to a single Army standard. DLS supports readiness by enhancing institutional and individual training in all Army components (Active, National Guard, Reserve, and Department of the Army Civilians (DAC)). DLS provides both near and long-term information technology training infrastructure to enhance training particularly in the areas of Military Occupational Skill Qualification (MOSQ) and reclassification. It also provides a highly effective means to deliver training and education to deployed forces. The overall goal for DLS is to leverage technology and learning theory by providing just-in-time training to each service member regardless of location. DLS supports the E-Government strategy by using the Web to provide training materials, by enabling the intra-agency sharing of training data, and by adopting commercial practices and products to reduce operating costs. DLS supports the President's Management Agenda by making use of e-Learning to leverage scarce training funds and to provide greater agency access to training materials. DLS goals also include reducing training delivery and training support costs; improving service member morale by allowing members to obtain increased amounts of required training without leaving their home station; improving efficiency and effectiveness of Army instructors by allowing each instructor to train more students in a shorter period of time; and, improving unit readiness due to the reduction in personnel turbulence resulting from long term absence for resident institutional training. DLS Increment 3, Army Learning Management System (ALMS) fielding continues through 1st Quarter, FY 2009. The DLS Increment 4, Deployed Digital Training Campus (DDTC) Full Rate Production (FRP) review decision is anticipated to be in November 2009.							
<b>Justification:</b> FY 2010 Base dollars of \$7.618 million will procure: (1) System fielding and implementation support; (2) Increment 3 consisting of the Enterprise Management Center (EMC), the Continuity of Operations Plan (COOP), and ALMS enhancements supporting Army web-based learner training administration and training management at remote sites for a major subset of existing Army school courses; (3) enterprise information technology refreshment (hardware and software) within existing Increments 1 & 2 Digital Training Facilities (DTFs), ALMS, EMC, COOP, Increment 4, Deployed Digital Training Campus (DDTC); and, (4) DDTC procurement of 12 units in FY 2010. These integrated efforts will maximize the utility of training to each learner while reducing the time required by the student to complete assigned units of training.							

<b>OPA2 Cost Elements</b>		ID	<b>FY 08</b>			<b>FY 09</b>			<b>FY 10</b>		
		CD	Total Cost	Qty	Unit Cost	Total Cost	Qty	Unit Cost	Total Cost	Qty	Unit Cost
			\$000	Units	\$000	\$000	Units	\$000	\$000	Units	\$000
Increments 1 & 2 Digital Training Facilities (DTFs) *****		A									
System Fielding & Implementation *****		A	1000			1000			500		
Increment 3 - Army Learning Management System (ALMS) *****		A	1000			2290			1500		
System Technology Refreshment *****		A	1789			3581			2224		
Increment 4 - Deployed Digital Training Campuses (DDTC)		A	1995			2200			3394		
<b>Total:</b>			<b>5784</b>			<b>9071</b>			<b>7618</b>		

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

Date:  
May 2009

Appropriation/Budget Activity/Serial No: Other Procurement, Army/ 2/ Communications and Electronics Equipment	Weapon System Type:	P-1 Line Item Nomenclature: Distributed Learning System (DLS) (BE4173)								
WBS Cost Elements:	Contractor and Location	Contract Method and Type	Location of PCO	Award Date	Date of First Delivery	QTY Units	Unit Cost \$000	Specs Avail Now?	Date Revsn Avail	RFP Issue Date
<b>System Fielding &amp; Implementation</b>										
FY 2008	Info Sys Engrg Cmd Ft. Huachuca, AZ	MIPR	CECOM, Ft. Huachuca, AZ	Sep 07	Oct 07			Yes		
FY 2009	Info Sys Engrg Cmd Ft. Huachuca, AZ	MIPR	CECOM, Ft. Huachuca, AZ	Sep 08	Oct 08			Yes		
FY 2010	Info Sys Engrg Cmd Ft. Huachuca, AZ	MIPR	CECOM, Ft. Huachuca, AZ	Sep 09	Oct 09			No		
<b>Increment 3 - Army Learning Management</b>										
FY 2008	Various Vendors ** Various Locations	C/CPAF	ITEC4, Alexandria, VA	Sep 07	Sep 07			Yes		
FY 2009	Various Vendors ** Various Locations	C/CPAF	MICC, Ft Eustis, VA	Sep 08	Sep 08			Yes		
FY 2010	TBS TBS	C/CPAF	MICC, Ft Eustis, VA	Sep 09	Sep 09			No		
<b>System Technology Refreshment</b>										
FY 2008	Various Vendors ** Various Locations	C/CPFF	ITEC4, Alexandria, VA	Apr 08	Apr 08			Yes		
FY 2009	Various Vendors ** Various Locations	C/CPFF	MICC, Ft Eustis, VA	TBS	TBS			Yes		
FY 2010	TBS TBS	C/CPFF	MICC, Ft Eustis, VA	TBS	TBS			No		
<b>Increment 4 - Deployed Digital</b>										
FY 2008	Lockheed Martin Bethesda, MD	C/CPFF	NRCC, Ft Eustis, VA	Mar 08	Mar 08			Yes		
FY 2009	Lockheed Martin Bethesda, MD	C/CPFF	MICC, Ft Eustis, VA	Sep 08	Sep 08			Yes		
FY 2010	Lockheed Martin Bethesda, MD	C/CPFF	MICC, Ft Eustis, VA	TBS	TBS			No		

REMARKS: Various Vendors: vendors servicing aspects of the Army Learning Management Systems (ALMS) enhancements and the DLS Enterprise Technology Refreshment are GTSI Corp, Chantilly, VA; CDW Government, Inc., Vernon Hills, IL; Sprint, Reston, VA; and Spiritech, Inc., Warren, MI, Betis Group, Arlington, VA. The Distributive Learning System (DLS) Enterprise Technology Refreshment addresses replacement or upgrading of critical information technology components throughout the DLS enterprise system. It is anticipated that this continuing requirement will be serviced by a variety of contractor entities in the future.

<b>Exhibit P-40, Budget Item Justification Sheet</b>						Date: May 2009
Appropriation / Budget Activity / Serial No: Other Procurement, Army / 2 / Communications and Electronics Equipment				P-1 Item Nomenclature AUTOMATED DATA PROCESSING EQUIP (BD3000)		
Program Elements for Code B Items:		Code:	Other Related Program Elements:			
	Prior Years	FY 2008	FY 2009	FY 2010	To Complete	Total Prog
Proc Qty						
Gross Cost	3412.5	121.0	180.7	254.7	Continuing	Continuing
Less PY Adv Proc						
Plus CY Adv Proc						
Net Proc P1	3412.5	121.0	180.7	254.7	Continuing	Continuing
Initial Spares						
Total Proc Cost	3412.5	121.0	180.7	254.7	Continuing	Continuing
Flyaway U/C						
Weapon System Proc U/C					Continuing	Continuing
<b>Description:</b> This program supports the Army's sustaining base automation systems. The Army's primary sustaining base Information Management (IM) goal is to provide information services for the sustainment and readiness of the forces at minimum cost.						
<b>Justification:</b> A stable modernization program is essential to maintain efficiency, increase productivity, and reduce operation and maintenance costs through technological advancement. The Army's modernization strategy to support its warfighting forces in the 21st Century leverages and aligns the use of automation technology to streamline and modernize its management information systems to support Command, Control, Communications, Computers, Intelligence Surveillance and Reconnaissance (C4ISR) for the warfighter, power projection strategies, battle space awareness, Army Transformation, home station and modularity capabilities, focused logistics, and downsized force structures. Modernization plans flow from strategic planning (mission needs) and ensure standardization, interoperability, and systemic replacement of equipment that is obsolete due to technology changes, reliability, and service ability. The ADPE program provides combat service support to the warfighter in the areas of command and control, logistics, personnel, and other sustaining base functions.						

<b>Exhibit P-5, Weapon OPA2 Cost Analysis</b>		Appropriation/Budget Activity/Serial No: Other Procurement, Army / 2 / Communications and Electronics Equipment			P-1 Line Item Nomenclature: AUTOMATED DATA PROCESSING EQUIP (BD3000)			Weapon System Type:		Date: May 2009	
<b>OPA2 Cost Elements</b>		ID CD	<b>FY 08</b>			<b>FY 09</b>			<b>FY 10</b>		
			Total Cost	Qty	Unit Cost	Total Cost	Qty	Unit Cost	Total Cost	Qty	Unit Cost
			\$000	Each	\$000	\$000	Each	\$000	\$000	Each	\$000
Optical Digital Equipment		A	3345			5797			2194		
Strategic Logistics Program		A	2838			2486			2339		
Reserve HQ Automation		A	824			1264			1032		
High Performance Computing		A	432								
HQ Management Information Systems		A	27663			104624			52438		
MACOM Automation Systems		A	52743			14833			128815		
Personnel Automation Systems		A	33173			51676			67905		
Logistics Automation System		A									
<b>Total:</b>			<b>121018</b>			<b>180680</b>			<b>254723</b>		



<b>Exhibit P-40, Budget Item Justification Sheet</b>						Date: May 2009
Appropriation / Budget Activity / Serial No: Other Procurement, Army / 2 / Communications and Electronics Equipment				P-1 Item Nomenclature OPTICAL DIGITAL EQUIP (BD3956)		
Program Elements for Code B Items:		Code:	Other Related Program Elements:			
	Prior Years	FY 2008	FY 2009	FY 2010	To Complete	Total Prog
Proc Qty						
Gross Cost	88.6	3.3	5.8	2.2	Continuing	Continuing
Less PY Adv Proc						
Plus CY Adv Proc						
Net Proc P1	88.6	3.3	5.8	2.2	Continuing	Continuing
Initial Spares						
Total Proc Cost	88.6	3.3	5.8	2.2	Continuing	Continuing
Flyaway U/C						
Weapon System Proc U/C					Continuing	Continuing
<b>Description:</b> This program supports initiatives to replace obsolete, inefficient records management systems with state-of-the-art optical digital equipment and other electronic record keeping systems. This technology will reduce operations and maintenance costs and improve the mission effectiveness and productivity of records managers throughout the Army. All systems are subject to the certification and annual review provisions of the FY05 National Defense Authorization Act (NDAA) or Defense Business Transformation initiatives.						
<b>Justification:</b> INTERACTIVE PERSONNEL ELECTRONIC RECORDS MANAGEMENT SYSTEM (iPERMS): The iPERMS is a web-based, secure electronic records management system that supports the Army's military human resource management mission as required by Title 10 and Title 44 US Code. The iPERMS is the system of record for storage for the Official Military Personnel File during the Soldier's active service. The iPERMS is used by Army leaders, human resource managers (e.g., accessions, career management), Selection Boards (e.g., selections for promotion, command, and professional development), Soldiers and Veterans world-wide, the Army's Wounded Warrior Program, and other Federal agencies. Each Soldier's electronic record is also retained in iPERMS for 62 years after his or her Military Service obligation is completed. The iPERMS contains 3.7 million personnel files supporting Army National Guard, Army Reserve, Active Army, and Veterans human resource management functions at all levels. It makes these records available via the Internet to Army career managers, individual Soldiers, Retirees, Veterans, and to the Department of Veterans Affairs. The iPERMS also provides the single source of personnel records for the mobilization of Veterans in the event of a National Emergency. FY 2010 procures Network Area Storage, Storage Area Networks, optical storage libraries, servers, related software, and will replace equipment that is nearing the end of its useful life at the primary site in Alexandria, Virginia, with the equipment needed to operate iPERMS at its new Base Realignment and Closure (BRAC) location at Fort Knox, Kentucky. It will also replace obsolete system components at the Continuity of Operations (COOP)/Failover site at Fort Carson, Colorado.  ARMY RECORDS INFORMATION MANAGEMENT SYSTEM (ARIMS): The ARIMS is the Department of the Army's official record keeping system. It is used to identify, collect, preserve, and retrieve electronic record information and index hard copy records with retention periods ranging from 7 to 150 years in 130 Army-owned Records Holding Areas and 16 Federal Records Centers. With over 68,000 users, ARIMS provides the central capability for sharing information that documents the conduct of the Army's business, contingency and war-time operations, and ensures economy and efficiency in documenting Army policies, decisions, and operations. ARIMS web-based tools reduce the administrative burden of the Warfighter, ensure that the Army's records are preserved, improves legitimate access to Army records, and promotes compliance with governing statutes. The ARIMS supports Army-wide Records Management Programs including the						

<b>Exhibit P-40, Budget Item Justification Sheet</b>		Date: May 2009
Appropriation / Budget Activity / Serial No: Other Procurement, Army / 2 / Communications and Electronics Equipment		P-1 Item Nomenclature OPTICAL DIGITAL EQUIP (BD3956)
Program Elements for Code B Items:	Code:	Other Related Program Elements:
<p>Department of Army (DA) Freedom of Information Act (FOIA), the Privacy Act, Executive Order (EO) 12958 Declassification; and the Army's role as Department of Defense (DoD) Executive Agent for Post Traumatic Stress Disorder claim combat records research. The ARIMS integrates Army Knowledge Online to capture official records stored in Knowledge Collaboration Centers. Specialized records collections include Gulf War Declassification, Operation Enduring Freedom, Operation Iraqi Freedom, and other contingency operations. Technology refresh ensures the Army's records are maintained in compliance with a multitude of statutory and regulatory requirements, preserves the integrity of individual records, mitigates the risk for potential loss of historical information, and ensures that official Army records are available to support Congressional, Government Accountability Office (GAO), Executive Branch, and FOIA requirements. FY 2010 procures infrastructure components to include servers, storage, routers, firewalls, and telecommunications support equipment.</p> <p>FY08/09/10 is for Active component.</p>		

<b>Exhibit P-5, Weapon OPA2 Cost Analysis</b>	Appropriation/Budget Activity/Serial No: Other Procurement, Army / 2 / Communications and Electronics Equipment	P-1 Line Item Nomenclature: OPTICAL DIGITAL EQUIP (BD3956)			Weapon System Type:	Date: May 2009					
<b>OPA2 Cost Elements</b>		ID	<b>FY 08</b>			<b>FY 09</b>			<b>FY 10</b>		
		CD	Total Cost	Qty	Unit Cost	Total Cost	Qty	Unit Cost	Total Cost	Qty	Unit Cost
			\$000	Each	\$000	\$000	Each	\$000	\$000	Each	\$000
Interactive Personnel Electronic Records Management System (iPERMS) Hardware/Software		A	2823			5144			1591		
Army Records Information Management System (ARIMS) Hardware/Software		A	522			653			603		
<b>Total:</b>			<b>3345</b>			<b>5797</b>			<b>2194</b>		

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

Date:  
May 2009

Appropriation/Budget Activity/Serial No: Other Procurement, Army/ 2/ Communications and Electronics Equipment		Weapon System Type:	P-1 Line Item Nomenclature: OPTICAL DIGITAL EQUIP (BD3956)							
WBS Cost Elements:	Contractor and Location	Contract Method and Type	Location of PCO	Award Date	Date of First Delivery	QTY Each	Unit Cost \$000	Specs Avail Now?	Date Revsn Avail	RFP Issue Date
<b>Interactive Personnel Electronic Records Management System (iPERMS) Hardware/Software</b>										
FY 2008	NGIT McLean, VA	C/FP	GSA FEDSIM, Arlington, VA	Nov 07	VAR			YES		
FY 2009	TBS	C/FP	Army CCE, Alexandria, VA	VAR	VAR			NO		
FY 2010	TBS	C/FP	Army CCE, Alexandria, VA	VAR	VAR			NO		
<b>Army Records Information Management System (ARIMS) Hardware/Software</b>										
FY 2008	Intergraph Govt Solutions Huntsville, AL	C/FP	NICP, Mechanicsburg, PA	Feb 08	May 08			YES		
FY 2009	TBS	C/FP	TBS	VAR	VAR			NO		
FY 2010	TBS	C/FP	TBS	VAR	VAR			NO		

REMARKS: All quantities and unit costs vary by configuration and site. VAR - Multiple contracts awarded/delivered throughout the year. NGIT - Northrup-Grumman Information Technology; GSA FEDSIM - General Services Administration Federal Systems Integration and Management Center; CCE - Contracting Center of Excellence; NICP - Naval Inventory Control Point

<b>Exhibit P-40, Budget Item Justification Sheet</b>						Date: May 2009
Appropriation / Budget Activity / Serial No: Other Procurement, Army / 2 / Communications and Electronics Equipment				P-1 Item Nomenclature STRATEGIC LOGISTICS PROGRAM (SLP) (BD7000)		
Program Elements for Code B Items:		Code:	Other Related Program Elements:			
	Prior Years	FY 2008	FY 2009	FY 2010	To Complete	Total Prog
Proc Qty						
Gross Cost	399.5	2.8	2.5	2.3	Continuing	Continuing
Less PY Adv Proc						
Plus CY Adv Proc						
Net Proc P1	399.5	2.8	2.5	2.3	Continuing	Continuing
Initial Spares						
Total Proc Cost	399.5	2.8	2.5	2.3	Continuing	Continuing
Flyaway U/C						
Weapon System Proc U/C					Continuing	Continuing
<p><b>Description:</b>  EMERGING LOGISTICS TECHNOLOGIES (ELT): The ELT supports key strategic transformation initiatives and establishes a Common Logistics Operating Environment (CLOE) to support tactical, operational, and strategic sustainment in the Joint integrated logistics environment. The ELT provides direct support to the Army Deputy Chief of Staff for Logistics (DCS G-4) and enhances Soldier and unit logistics readiness. The ELT improves Warfighter readiness by developing logistics capabilities that predict and rapidly respond to Warfighter needs. These capabilities include condition-based maintenance, sense-and-respond technologies, collaborative planning and distribution, adaptive supply chain management, and automatic item identification and tracking. ELT enables Warfighter-relevant information to be collected, processed, and transformed automatically into useful knowledge, then transmitted world-wide across mobile, intelligent networks. Field integration of CLOE capabilities results in a proactive logistics system that provides military commanders with greater equipment availability, more accurate and timely sustainment information, improved maintainer productivity, and a reduced logistics infrastructure footprint. The ELT's current Movement Tracking System (MTS) transceiver is approaching the end of its service life. It will be replaced by low-profile, phased-array antennas. These antennas will provide the warfighter with increased bandwidth for broadband connectivity and the capability for "On-the-Move" data, voice, and video. All systems are subject to the certification and annual review provisions of the FY 2005 National Defense Authorization Act (NDAA) or Defense Business Transformation initiatives.</p> <p><b>Justification:</b>  FY 2010 procures commercially available applications and commercial-off-the-shelf (COTS) hardware, including low-profile phased-array antennas.</p> <p>FY08/09/10 is for Active component.</p>						

<b>Exhibit P-40, Budget Item Justification Sheet</b>	Date: May 2009
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Appropriation / Budget Activity / Serial No: Other Procurement, Army / 2 / Communications and Electronics Equipment	P-1 Item Nomenclature RESERVE HQ AUTOMATION (BE4000)
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Program Elements for Code B Items:	Code:	Other Related Program Elements:
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	Prior Years	FY 2008	FY 2009	FY 2010	To Complete	Total Prog
Proc Qty						
Gross Cost	38.6	0.8	1.3	1.0	Continuing	Continuing
Less PY Adv Proc						
Plus CY Adv Proc						
Net Proc P1	38.6	0.8	1.3	1.0	Continuing	Continuing
Initial Spares						
Total Proc Cost	38.6	0.8	1.3	1.0	Continuing	Continuing
Flyaway U/C						
Weapon System Proc U/C					Continuing	Continuing

**Description:**  
 US ARMY HUMAN RESOURCES COMMAND (USAHRC) RESERVE AUTOMATION: USAHRC Reserve Automation provides personnel management services to US Army Reserve (USAR) Soldiers, retirees, veterans, and their families. USAHRC Reserve Automation automates support to the Active Guard Reserve (AGR), Individual Mobilization Augmentee (IMA) and Individual Ready Reserve (IRR) Soldier populations, USAR Selected Reserve end strength, Reservist retirement transition, retirement pay processing, and Veterans affairs. The Information Technology (IT) infrastructure blends strategies like Customer Relationship Management (CRM), Computer Telephony Integration/Interactive Voice Response (CTI/IVR), and self-service support center through the HRC Web Portal to provide the Army HRC community access to systems and data. Support is also provided for the HRC Personnel Information Systems Directorate (PERSINSD) Virtualization Lab. The USAHRC Reserve Automation initiative supports the Army's Well-Being Program and the Global War on Terrorism (GWOT). HRC Reserve Automation systems must relocate to Fort Knox by FY11 to comply with Base Realignment and Closure (BRAC) initiatives.

**Justification:**  
 FY 2010 procures equipment for life cycle replacement of mainframe components, client servers, network infrastructure, disaster recovery services, and procure the IT infrastructure needed for the new HRC Data Center at Fort Knox, Kentucky. The items must be purchased in FY10 because they are critical for the USAHRC Reserve Automation to continue meeting the needs of the Reserve Service members, veterans, and their families, as well as meet the Congressionally mandated relocation to Fort Knox by FY11.

FY08/09/10 is for Active component.

<b>Exhibit P-40, Budget Item Justification Sheet</b>						Date: May 2009
Appropriation / Budget Activity / Serial No: Other Procurement, Army / 2 / Communications and Electronics Equipment				P-1 Item Nomenclature HQ MANAGEMENT INFORMATION SYSTEMS (BE4161)		
Program Elements for Code B Items:		Code:	Other Related Program Elements:			
	Prior Years	FY 2008	FY 2009	FY 2010	To Complete	Total Prog
Proc Qty						
Gross Cost	658.4	27.7	104.6	52.4	Continuing	Continuing
Less PY Adv Proc						
Plus CY Adv Proc						
Net Proc P1	658.4	27.7	104.6	52.4	Continuing	Continuing
Initial Spares						
Total Proc Cost	658.4	27.7	104.6	52.4	Continuing	Continuing
Flyaway U/C						
Weapon System Proc U/C					Continuing	Continuing
<b>Description:</b> Provides funds for information systems that support Army headquarters worldwide. All systems are subject to the certification and annual review provisions of the FY05 National Defense Authorization Act (NDAA) or Defense Business Transformation initiatives.						
<b>Justification:</b> HEADQUARTERS, DEPARTMENT OF THE ARMY AUTOMATED DATA PROCESSING EQUIPMENT (HQDA ADPE): This program provides the Headquarters Enterprise Network (HEN) computing and application environments. The HEN supports more than 10,000 users in over 80 Army agencies in the Pentagon and National Capital Region. Supported customers include the Office of the Secretary of the Army, the Army Staff, and Direct Reporting units. Systems and services being upgraded within the HEN include information assurance and security to further automate infrastructure scans to identify potential security vulnerabilities, take corrective actions, and investigate security incidents; communications servers integrating voice, electronic mail (Email), teleconferencing, video teleconferencing, collaboration, and messaging services to improve messaging, directory service capabilities, and retrospective searching in support of emerging requirements for Email journaling and to support increasing requirements for high definition video; centralized management and control of servers and virtual servers to improve the capability of virtual servers and reduce the physical footprint of the computing infrastructure; Directory, File, Print, and Web server processing; Storage Area Network (SAN) storage and switching; and data replication for Continuity of Operations Planning (COOP), recovery, and to improve capacity for basic store and retrieve capabilities. FY 2010 procures blade servers, operating systems, applications, and power upgrades; bridges and video display systems; server virtualization hardware and software; Email server hardware and software upgrades; Storage Area Network (SAN) storage and switching devices; and security toolsets.  HOUSING OPERATIONS MANAGEMENT SYSTEM (HOMES): The HOMES is an installation-level housing operations and management system that supports on-post, off-post, and unaccompanied government housing. It also provides an inventory management function for Army-owned household furniture and appliances. HOMES increases availability of housing services by monitoring housing utilization, controlling housing inventory, monitoring Basic Allowance for Housing (BAH), and enabling upward reporting. The HOMES enables installation oversight of privatized housing assignments. The HOMES is installed at 97 installations worldwide including Continental United States (CONUS), Alaska, Puerto Rico, Europe, Korea, Japan, and regional Installation Management Agency (IMA) Offices. The HOMES interfaces with the Defense Enrollment Eligibility Reporting System (DEERS) to ensure accuracy and save time through single source data entry of service member data. The web-based HOMES application supports the First Sergeants Barracks Initiative (FSBI) formerly called Centralized Barracks Management (CBM). The FSBI is essential to the success of a complete, interconnected web-based solution for the Army-approved holistic barracks strategy. The HOMES supports centralized web applications, changes						

<b>Exhibit P-40, Budget Item Justification Sheet</b>		Date:	May 2009
Appropriation / Budget Activity / Serial No: Other Procurement, Army / 2 / Communications and Electronics Equipment		P-1 Item Nomenclature HQ MANAGEMENT INFORMATION SYSTEMS (BE4161)	
Program Elements for Code B Items:	Code:	Other Related Program Elements:	
<p>in housing business practices, DoD and Army Information Technology mandates, and Congressional mandates for privatization. Program not funded in FY 2010.</p> <p><b>PENTAGON INFORMATION TECHNOLOGY (IT) INFRASTRUCTURE:</b> This program supports the Pentagon network, computing, storage, and messaging infrastructure for DoD IT services in the Pentagon area. The program has two elements: Common Information Technology (CIT) and Other Information Technology (OIT). The CIT provides four classifications of network connectivity, secure communications circuits for Command, Control, Communications and Intelligence voice, data, and video, and telephony services for Pentagon Area tenants. The OIT provides server hosting across multiple platforms for two classes of Pentagon applications, Pentagon enterprise managed data storage and data backup and recovery services for critical Pentagon data and applications. The OIT also provides the Congressionally mandated Defense Messaging System (DMS) electronic messaging capabilities for Unclassified, Secret, and Top Secret communications. The DMS messages support the most sensitive communications and operations conducted in the military including Special Operations and Nuclear Weapons Operations Planning. FY 2010 procures the IT infrastructure in two wedges of the Pentagon; increases core bandwidth capacity of the optical network; upgrades the Security Information Management (SIM) system and intrusion detection and prevention appliances; funds device upgrades to Internet Protocol (IP) Version 6 (IPv6) capable core and edge network routers, switches, encryption devices, and network performance management and quality of service capabilities to support new requirements like Voice over IP (VoIP). It also procures CIT upgrades to the Pentagon network infrastructure. These include Metropolitan Area Network (MAN) fiber optic network connectivity, extending the high speed, secure, survivable Pentagon network services to NCR DoD buildings in accordance with Defense Information Systems Agency policies and Global Information Grid (GIG) requirements. Funding procures OIT processing and memory upgrades to the Pentagon Data Center enterprise mainframe and mid-tier servers, additional capacity for disk and tape storage, and Storage Area Network (SAN) connectivity and capacity improvements. Funding also procures Pentagon DMS anti-spam, server, and critical software refresh for DMS addressing, archiving and profiling.</p> <p><b>COMMAND CENTER (CC) INFOSTRUCTURE:</b> Command Centers must conduct the full spectrum of military operations in concert with coalition forces. This program procures Command, Control, Communications, Computers, and Intelligence Technology (C4IT) for Command and Control (C2) functionality at designated Army and Army-supported Command Centers. It provides for modernization and interoperability efforts to ensure a seamless transition to the command centers during crises such as prosecution of war, homeland defense, or natural disasters. It supports C2 functions for Combatant Commanders and supporting commands to maintain ready forces to conduct the full spectrum of military operations either unilaterally or in concert with coalition partners; to enhance security and stability; and to advance U.S. interests throughout the area of responsibility. Modernization includes upgrades to outmoded facilities, combatant commander unique systems such as emergency action reporting systems, crisis action cells, battle staff display, and other like-configuration management requirements. Specific supported Army command centers include the Army Operations Center (AOC), European Command (EUCOM), US Forces Korea (USFK), US Army Pacific (USARPAC), Southern Command (SOUTHCOM), Joint Special Operations Command (JSOC), and the National Military Command Center (NMCC)-Site R. The program supports the National Strategy, the National Security Strategy, Army Transformation initiatives, Joint Vision 2020, the Army Strategic Planning Guidance to Improve Capabilities for Battle Command, and the Global War On Terrorism. It modernizes outmoded and deficient C2 equipment, visual displays, audiovisual connectivity, and information technology infrastructure. All equipment is critical to support command center operations. FY 2010 combines CC and Command and Control (C2) Infostructure programs into a single Strategic Command Center (SCC) program.</p> <p>FY08/09/10 is for Active component.</p> <p><b>COMMAND AND CONTROL (C2) INFOSTRUCTURE:</b> This program procures C4IT infostructure at Army and Army-supported Combatant Command (COCOM) sites. It provides for C2 infostructure capabilities that support strategic and operational C2 functionality to Combatant Commanders, Army Commanders, and staff throughout the COCOM area of responsibility. This program is critical for the DoD mandates on transformation and homeland defense initiatives. The program provides classified computer and communications infrastructure to allow for planning, mobilizing, and execution of COCOM and Army missions. It also allows for the incorporation of information technology to ensure a more agile, mobile, lethal, survivable, and responsive force, while enabling secure interconnectivity with Combatant Commanders. Specific COCOMs supported include European Command (EUCOM), US Forces Korea (USFK), US Army Pacific (USARPAC), Southern Command (SOUTHCOM), Joint Special Operations Command (JSOC), and the US Army Special Operations Command (USASOC). FY 2010 combines CC and Command and Control (C2) Infostructure programs into a single Strategic Command Center (SCC) program.</p>			



<b>Exhibit P-40, Budget Item Justification Sheet</b>		Date:	May 2009
Appropriation / Budget Activity / Serial No: Other Procurement, Army / 2 / Communications and Electronics Equipment		P-1 Item Nomenclature HQ MANAGEMENT INFORMATION SYSTEMS (BE4161)	
Program Elements for Code B Items:	Code:	Other Related Program Elements:	
<p>STRATEGIC COMMAND CENTER (SCC): The SCC provides core Command, Control, Communications, Computers, Intelligence (C4I) infrastructure funding for Joint, Coalition and Interagency Command, Control, Communications, Computers, Intelligence (C4I) capabilities at Army and Army supported command centers. These include European Command (EUCOM), US Africa Command, (AFRICOM), Eighth US Army (EUSA), US Forces Korea (USFK), Joint Special Operations Command (JSOC), Southern Command (SOUTHCOM), HQDA Army Operations Center (AOC), US Army Pacific (USARPAC), National Military Command Center (NMCC)-Site R, US Army South (USARSO), and US Army Forces Command (FORSCOM). Specifically, SCC provides resources for Army supported Combatant Commander (COCOM) C4I, Surveillance, and Reconnaissance (C4ISR) infrastructure in support of the Global C2 Systems (GCCS) Family of Systems (FoS). The Army is responsible for providing C4I infrastructure support to Army and Army supported strategic command centers only. The SCC provides core C4ISR infrastructure for Joint and COCOM sites through upgrades to encryption devices, modems, hubs, servers, routers, network components, redundant servers and some Continuity of Operations Planning (COOP) requirements. Other SCC requirements include system and technical facilities, Protected Distribution System, and site prep for GCCS FoS equipment; Video Teleconference (VTC), data, voice, displays, and audio-visual equipment; and cabling and lighting. This infrastructure supports COCOM requirements for C2 operations and worldwide Information Assurance and Security Assistance missions.</p> <p>FY 2010 procures hardware (hubs, servers, Interactive Video Information System (IVIS), integration boxes), software, and program management associated with the support of upgrades and modernization to support GCCS FoS migration to Net-Enabled Command Capability (NECC).</p> <p>LEGAL AUTOMATION ARMY-WIDE SYSTEM (LAAWS). The LAAWS is the Army Judge Advocate General's Corps (JAGC) Knowledge Management System. The LAAWS provides critical strategic communications, legal resources, and mission support for garrison and deployed legal operations, Active and Reserve legal personnel, and mission planning and execution. The LAAWS consists of web-enabled legal databases and applications, accessible world-wide on JAGCNet (the Army JAGC web portal). The LAAWS provides legal resources and research capabilities for the full range of functional areas (international law, military justice, claims, administrative law, and litigation) for off-line and stand-alone legal support requirements. The Judge Advocate Warfighting System (JAWS) provides remote access to JAGCNet. Each JAWS consists of a laptop, DVD drive, printer/scanner/fax, digital camera, CD ROM library references, Secret Internet Protocol Router Network (SIPRNET) connectivity, and reach back capabilities. LAAWS/JAWS is the single system that provides critical legal resources to deployed Army JAGC when advising commanders and activities on statutory and regulatory requirements. Sensitive information resides in LAAWS including Health Insurance Portability and Accountability Act (HIPAA) information concerning medical care recovery and other tort and claims actions; personally identifiable information (PII); For Official Use Only (FOUO); and Law Enforcement Sensitive information. JAWS enables effective information assurance and compliance with HIPAA standards. Operational support provided by LAAWS/JAWS includes lawful targeting, compliance with the Law of War, negotiation and preparation of international agreements and treaties, conduct of legal tribunals, claims processing, and preparation of soldier documents such as wills and powers of attorney. LAAWS also provides courtroom technology support and the integration of military courtrooms into a knowledge management system. The Internet Small Computer Systems Interface (iSCSI) storage arrays will provide Storage Area Network (SAN) storage capacity for LAAWS, specifically for the eJustice Military Justice Enterprise application. The eJustice application will process every Army military justice action (court-martial, nonjudicial punishment, administrative separation, and military justice investigations). Brigade Operational Law Teams (BOLTS), JAGC personnel embedded within each Brigade Combat Team, require JAWS to provide critical operational law advice to commanders and staffs and for integration with eJustice. FY 2010 will integrate courtroom technology into LAAWS/JAGCNet business application, specifically Military Justice Online.</p> <p>FY 2010 procures system components, memory capacity, and LAAWS-unique business applications and system integration components.</p>			

<b>Exhibit P-5, Weapon OPA2 Cost Analysis</b>		Appropriation/Budget Activity/Serial No: Other Procurement, Army / 2 / Communications and Electronics Equipment			P-1 Line Item Nomenclature: HQ MANAGEMENT INFORMATION SYSTEMS (BE4161)			Weapon System Type:		Date: May 2009	
<b>OPA2 Cost Elements</b>		ID CD	<b>FY 08</b>			<b>FY 09</b>			<b>FY 10</b>		
			Total Cost	Qty	Unit Cost	Total Cost	Qty	Unit Cost	Total Cost	Qty	Unit Cost
			\$000	Each	\$000	\$000	Each	\$000	\$000	Each	\$000
Headquarters, Department of the Army Automated Data Processing Equipment (HQDA ADPE) Hardware and Software		A	4375			5475			5141		
Housing Operations Management System (HOMES) Hardware and Software		A	372			463			372		
Pentagon Information Technology (IT) Infrastructure (PITI) Hardware and Software		A	14915			18396			27524		
PITI Life Cycle Replacement of CCSP		A				16000					
PITI Virtualization		A				2594					
PITI Computing		A				587					
PITI Software Infrastructure		A				840					
PITI Storage		A				448					
PITI Infrastructure Monitoring		A				687					
Command Center Infostructure Hardware, Software, Fielding and Program Management											
-Army Operations Center		A	645			893					
-European Command		A	896			1057					
-National Military Command Center Site-R		A	1359			1034					
-US Forces Korea		A	789			1251					
Command and Control (C2) Infostructure Hardware, Software, Fielding and Program Management											
-European Command		A	750			1968					
-US Forces Korea		A	764			1099					

Exhibit P-5, Weapon OPA2 Cost Analysis	Appropriation/Budget Activity/Serial No: Other Procurement, Army / 2 / Communications and Electronics Equipment	P-1 Line Item Nomenclature: HQ MANAGEMENT INFORMATION SYSTEMS (BE4161)			Weapon System Type:			Date: May 2009			
OPA2 Cost Elements		ID CD	FY 08			FY 09			FY 10		
			Total Cost	Qty	Unit Cost	Total Cost	Qty	Unit Cost	Total Cost	Qty	Unit Cost
			\$000	Each	\$000	\$000	Each	\$000	\$000	Each	\$000
-Southern Command		A	466			645					
-Joint Special Operations Command		A	376			671					
-US Army Special Operations Command		A	376			671					
-US Army Pacific Command		A									
.											
Strategic Command Center (SCC)											
Hardware/Software and Program Management											
-National Military Command Center Site-R		A							2710		
-Army Operations Center (AOC)											
(Pentagon)		A							1360		
-Joint Special Operations Center (JSOC)											
(Ft Bragg)		A							1281		
-Southern Command (SOUTHCOM)											
(Miami)		A							3210		
-European Command (EUCOM) (Germany)		A									
-Africa Command (AFRICOM)		A							4210		
-Eighth US Army (EUSA) and											
US Forces Korea (USFK) (Korea)		A							5205		
.											
Legal Automation Army-Wide System											
(LAAWS) Hardware and Software		A	1289			1545			1425		
.											
US Army Pacific (USARPAC)											
Knowledge Wall											
Hardware and Software		A	291								
.											
Army Knowledge Online (AKO)											
AKO Wireless Capability		A				5000					
AKO Testing Facility		A				11000					
AKO-Forward		A				12000					
AKO Solution		A				20300					

<b>Exhibit P-5, Weapon OPA2 Cost Analysis</b>	Appropriation/Budget Activity/Serial No: Other Procurement, Army / 2 / Communications and Electronics Equipment	P-1 Line Item Nomenclature: HQ MANAGEMENT INFORMATION SYSTEMS (BE4161)	Weapon System Type:	Date: May 2009
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<b>OPA2 Cost Elements</b>	ID	<b>FY 08</b>			<b>FY 09</b>			<b>FY 10</b>		
	CD	Total Cost	Qty	Unit Cost	Total Cost	Qty	Unit Cost	Total Cost	Qty	Unit Cost
		\$000	Each	\$000	\$000	Each	\$000	\$000	Each	\$000
<b>Total:</b>		<b>27663</b>			<b>104624</b>			<b>52438</b>		

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

Date:  
May 2009

Appropriation/Budget Activity/Serial No: Other Procurement, Army/ 2/ Communications and Electronics Equipment	Weapon System Type:	P-1 Line Item Nomenclature: HQ MANAGEMENT INFORMATION SYSTEMS (BE4161)								
WBS Cost Elements:	Contractor and Location	Contract Method and Type	Location of PCO	Award Date	Date of First Delivery	QTY Each	Unit Cost \$000	Specs Avail Now?	Date Revsn Avail	RFP Issue Date
<b>Headquarters, Department of the Army</b>										
<b>Automated Data Processing Equipment (HQDA ADPE) Hardware and Software</b>										
FY 2008	IBM Global Service Bethesda, MD	C/FP	CCE-W, Washington, DC	Feb 07	Mar 08			YES		
FY 2009	Enterprise Information Mgmt Arlington, VA	C/FP	CCE-W, Washington, DC	VAR	VAR			YES		
FY 2009	CHESS Alexandria, VA	MIPR	ITEC4, Alexandria, VA	VAR	VAR			YES		
FY 2009	TBS	C/FP	TBS	VAR	VAR			YES		
FY 2010	TBS	C/FP	TBS	VAR	VAR			NO		
<b>Housing Operations Management System (HOMES) Hardware and Software</b>										
FY 2008	Dell Marketing L.P. Round Rock, TX	C/FP	CECOM, Fort Monmouth, NJ	VAR	VAR			YES		
FY 2009	TBS	C/FP	TBS	VAR	VAR			YES		
FY 2010	TBS	C/FP	TBS	VAR	VAR			NO		
<b>Pentagon Information Technology (IT) Infrastructure (PITI) Hardware and Software</b>										
FY 2008	CKA Reston, VA	C/FP	CCE-W, Washington, DC	Jul 08	Aug 08			YES		
FY 2008	Lockheed Martin Sea Brook, MD	C/FP	GSA FEDSIM, Alexandria, VA	Jul 08	VAR			YES		
FY 2008	General Dynamics C4 Systems Needham, MA	C/FP	NSA, Ft Meade, MD	Apr 08	VAR			YES		
FY 2009	Lockheed Martin Sea Brook, MD	C/FP	GSA FEDSIM, Alexandria, VA	VAR	VAR			YES		
FY 2009	TBS	C/FP	NSA, Ft Meade, MD	VAR	VAR			YES		
FY 2009	TBS	C/FP	DISA Arlington, VA	VAR	VAR			YES		
FY 2010	TBS	C/FP	TBS	VAR	VAR			NO		
<b>PITI Life Cycle Replacement of CCSP</b>										
FY 2009	TBS	C/FP	TBS	VAR	VAR			NO		

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

Date:  
May 2009

Appropriation/Budget Activity/Serial No: Other Procurement, Army/ 2/ Communications and Electronics Equipment	Weapon System Type:	P-1 Line Item Nomenclature: HQ MANAGEMENT INFORMATION SYSTEMS (BE4161)								
WBS Cost Elements:	Contractor and Location	Contract Method and Type	Location of PCO	Award Date	Date of First Delivery	QTY Each	Unit Cost \$000	Specs Avail Now?	Date Revsn Avail	RFP Issue Date
<b>PITI Virtualization</b> FY 2009	TBS	C/FP	TBS	VAR	VAR			NO		
<b>PITI Computing</b> FY 2009	TBS	C/FP	TBS	VAR	VAR			NO		
<b>PITI Software Infrastructure</b> FY 2009	TBS	C/FP	TBS	VAR	VAR			NO		
<b>PITI Storage</b> FY 2009	TBS	C/FP	TBS	VAR	VAR			NO		
<b>PITI Infrastructure Monitoring</b> FY 2009	TBS	C/FP	TBS	VAR	VAR			NO		
<b>Command Center Infostructure Hardware, Software, Fielding and Program Management</b>										
<b>-Army Operations Center</b> FY 2008	Lockheed Martin Sea Brook, MD	C/FP	DISA, Scott AFB, IL	VAR	VAR			YES		
FY 2009	TBS	C/FP	TBS	VAR	VAR			YES		
<b>-European Command</b> FY 2008	SAIC-O Orlando, FL	C/FP	GSA FEDSIM, Alexandria, VA	VAR	VAR			YES		
FY 2009	TBS	C/FP	TBS	VAR	VAR			YES		
<b>-National Military Command Center Site-R</b> FY 2008	Computer Sciences Corp. VA Falls Church, VA	C/FP	CECOM, Ft Monmouth, NJ	VAR	VAR			YES		
FY 2009	TBS	C/FP	TBS	VAR	VAR			YES		
<b>-US Forces Korea</b> FY 2008	CACI International, Inc. Chantilly, VA	C/FP	CECOM, Ft Monmouth, NJ	VAR	VAR			YES		
FY 2009	TBS	C/FP	CECOM, Ft Monmouth, NJ	VAR	VAR			YES		
<b>Command and Control (C2) Infostructure Hardware, Software, Fielding and Program Management</b>										

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

Date:  
May 2009

Appropriation/Budget Activity/Serial No: Other Procurement, Army/ 2/ Communications and Electronics Equipment		Weapon System Type:	P-1 Line Item Nomenclature: HQ MANAGEMENT INFORMATION SYSTEMS (BE4161)							
WBS Cost Elements:	Contractor and Location	Contract Method and Type	Location of PCO	Award Date	Date of First Delivery	QTY Each	Unit Cost \$000	Specs Avail Now?	Date Revsn Avail	RFP Issue Date
<b>-European Command</b>										
FY 2008	SAIC-O Orlando, FL	C/FP	GSA FEDSIM, Alexandria, VA	VAR	VAR			YES		
FY 2009	TBS	C/FP	TBS	VAR	VAR			YES		
<b>-US Forces Korea</b>										
FY 2008	CACI International, Inc. Chantilly, VA	C/FP	CECOM, Ft Monmouth, NJ	VAR	VAR			YES		
FY 2009	TBS	C/FP	CECOM, Ft Monmouth, NJ	VAR	VAR			YES		
<b>-Southern Command</b>										
FY 2008	Lockheed Martin Sea Brook, MD	C/FP	DISA, Scott AFB, IL	VAR	VAR			YES		
FY 2009	TBS	C/FP	TBS	VAR	VAR			NO		
<b>-Joint Special Operations Command</b>										
FY 2008	Lockheed Martin Sea Brook, MD	C/FP	DISA, Scott AFB, IL	VAR	VAR			YES		
FY 2009	TBS	C/FP	TBS	VAR	VAR			YES		
<b>-US Army Special Operations Command</b>										
FY 2008	Lockheed Martin Sea Brook, MD	C/FP	DISA, Scott AFB, IL	VAR	VAR			YES		
FY 2009	TBS	C/FP	TBS	VAR	VAR			YES		
<b>Strategic Command Center (SCC)</b>										
<b>Hardware/Software and Program Management</b>										
<b>-National Military Command Center Site-R</b>										
FY 2010	TBS	C/FP	TBS	VAR	VAR			NO		
<b>-Army Operations Center (AOC)</b>										
<b>(Pentagon)</b>										
FY 2010	TBS	C/FP	TBS	VAR	VAR			NO		
<b>-Joint Special Operations Center (JSOC)</b>										
<b>(Ft Bragg)</b>										
FY 2010	TBS	C/FP	TBS	VAR	VAR			NO		
<b>-Southern Command (SOUTHCOM)</b>										
<b>(Miami)</b>										

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

Date:  
May 2009

Appropriation/Budget Activity/Serial No: Other Procurement, Army/ 2/ Communications and Electronics Equipment		Weapon System Type:	P-1 Line Item Nomenclature: HQ MANAGEMENT INFORMATION SYSTEMS (BE4161)							
WBS Cost Elements:	Contractor and Location	Contract Method and Type	Location of PCO	Award Date	Date of First Delivery	QTY Each	Unit Cost \$000	Specs Avail Now?	Date Revsn Avail	RFP Issue Date
FY 2010 <b>-European Command (EUCOM) (Germany)</b>	TBS	C/FP	TBS	VAR	VAR			NO		
FY 2010 <b>-Africa Command (AFRICOM)</b>	TBS	C/FP	TBS	VAR	VAR			NO		
FY 2010 <b>-Eighth US Army (EUSA) and US Forces Korea (USFK) (Korea)</b>	TBS	C/FP	TBS	VAR	VAR			NO		
FY 2010 <b>Legal Automation Army-Wide System (LAAWS) Hardware and Software</b>	TBS	C/FP	TBS	VAR	VAR			NO		
FY 2008	AVR Enterprises Dulles, VA	C/FP	CCE-W, Washington, DC	Jul 08	Jul 08			YES		
FY 2008	Dell Marketing L.P. Round Rock, TX	C/FP	CCE-W, Washington, DC	Sep 08	Oct 08			YES		
FY 2008	GOVCONNECTION Rockville, MD	C/FP	CCE-W, Washington, DC	Jul 08	Jul 08			YES		
FY 2009	Dell Marketing L.P. Round Rock, TX	C/FP	CCE-W, Washington, DC	VAR	VAR			YES		
FY 2009	Clearwell Systems Mountainview, CA	C/FP	CCE-W, Washington, DC	VAR	VAR			YES		
FY 2009	Autonomy San Francisco, CA	C/FP	CCE-W, Washington, DC	VAR	VAR			YES		
FY 2009	Microtech Arlington, VA	C/FP	CCE-W, Washington, DC	VAR	VAR			YES		
FY 2010	TBS	C/FP	CCE-W, Washington, DC	VAR	VAR			YES		
<b>US Army Pacific (USARPAC) Knowledge Wall Hardware and Software</b>										
FY 2008	NGIT McLean, VA	C/FP	ACA-Pacific, Ft Shafter, HI	Aug 08	VAR			YES		
<b>Army Knowledge Online (AKO) AKO Wireless Capability</b>										
FY 2009	TBS	C/FP	TBS	VAR	VAR			NO		



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

Date:  
May 2009

WBS Cost Elements:	Contractor and Location	Contract Method and Type	Location of PCO	Award Date	Date of First Delivery	QTY Each	Unit Cost \$000	Specs Avail Now?	Date Revsn Avail	RFP Issue Date
<b>Appropriation/Budget Activity/Serial No:</b> Other Procurement, Army/ 2/ Communications and Electronics Equipment	<b>Weapon System Type:</b>		<b>P-1 Line Item Nomenclature:</b> HQ MANAGEMENT INFORMATION SYSTEMS (BE4161)							
<b>AKO Testing Facility</b> FY 2009	TBS	C/FP	TBS	VAR	VAR			NO		
<b>AKO-Forward</b> FY 2009	TBS	C/FP	TBS	VAR	VAR			NO		
<b>AKO Solution</b> FY 2009	TBS	C/FP	TBS	VAR	VAR			NO		

REMARKS: All quantities and unit costs vary by configuration and site. VAR-Multiple contracts awarded/delivered throughout the year. CCE-W-Contracting Center of Excellence Washington; ITEC4-Information Technology, E-Commerce, and Commercial Contracting Center; CHESS-Computer Hardware, Enterprise Software and Solutions; DISA-Defense Information Systems Agency; CECOM-Communications-Electronics Command; GSA FEDSIM-General Services Administration Federal Systems Integrations Management Center; NSA-National Security Agency; SAIC-Science Applications International Corporation; CACI-Consolidated Analysis Centers, Inc.; NGIT-Northrup Grumman Information Technology; ACA-Army Contracting Agency

<b>Exhibit P-40, Budget Item Justification Sheet</b>						Date: May 2009
Appropriation / Budget Activity / Serial No: Other Procurement, Army / 2 / Communications and Electronics Equipment				P-1 Item Nomenclature MACOM AUTOMATION SYSTEMS (BE4162)		
Program Elements for Code B Items:		Code:	Other Related Program Elements:			
	Prior Years	FY 2008	FY 2009	FY 2010	To Complete	Total Prog
Proc Qty						
Gross Cost	1235.5	52.7	14.8	128.8	Continuing	Continuing
Less PY Adv Proc						
Plus CY Adv Proc						
Net Proc P1	1235.5	52.7	14.8	128.8	Continuing	Continuing
Initial Spares						
Total Proc Cost	1235.5	52.7	14.8	128.8	Continuing	Continuing
Flyaway U/C						
Weapon System Proc U/C					Continuing	Continuing
<b>Description:</b>						
Funds support the automation system requirements of Army missions and activities not included in other centrally managed programs. Funding has been programmed to accomplish high priority, high payoff initiatives, that offer efficiencies and improvements in Army mission support and reduce operations and maintenance costs. Acquisitions will be accomplished primarily through standard requirements contracts. All systems are subject to the certification and annual review provisions of the FY05 National Defense Authorization Act (NDAA) or Defense Business Transformation initiatives.						
<b>Justification:</b>						
ARMY COMPUTING INFRASTRUCTURE (ACI): This program supports the Global Network Enterprise Construct (GNEC) strategy to operationalize LandWarNet, the Army's portion of the Global Information Grid (GIG), to an enterprise capability required for scalable, accessible, compliant, and defensible information operations from the desktop to the foxhole. ACI does this through re-engineering, installation, and modernization of classified and unclassified communications and computing infrastructure. GNEC envisions creation of five Network Service Centers (NSCs). Each NSC has three geographically dispersed capabilities: Area Processing Centers (APCs), Fixed Regional Hub Nodes (RHNs), and Theater Network Operations and Security Centers (TNOSCs). APCs host applications, data and Information Technology (IT) services in linked, defended data centers. APCs provide warfighter reach-back and support Base Realignment and Closure (BRAC) requirements. RHNs connect deployed expeditionary forces to the GIG through high bandwidth satellite and fiber gateways. TNOSCs are forward deployed facilities that provide Network Operations and Service Desk cyber defense capabilities. A strategically responsive, dominant force requires NSC capabilities. FY 2010 procures voice and data switches (Red Switch Program), computer servers, network monitoring and security devices, additional Non-Secure Internet Protocol Router Network (NIPRNET) and Secret (SIPRNET) APC capabilities; and major equipment to enable enterprise email, Voice over Internet Protocol (VoIP), collaboration, network security, and network management services.						
INSTALLATION SUPPORT MODULES (ISM): ISM consists of five standardized, web based, custom-developed applications packaged in functional modules that integrate essential installation business practices and processes for Army Force Generation (ARFORGEN) Brigade Combat Team requirements. Four modules support human resources business functions (In/Out-Processing, Transition Processing, Personnel Locator, and Education Management); the fifth module, Central Issue Facility (CIF) supports management of Organizational Clothing and Individual Equipment. The CIF enables deploying soldiers to be equipped with the best personal protective equipment available. ISM migrated to a web environment that uses a single centralized, replicated database to store all module-associated data. The web server architecture supports a graphical user interface, web-based user access, and a consolidated infrastructure. Database and web application servers in two states allow near real-time continuity of operations, backup, and recovery and a worldwide enterprise data view. A CONUS Theater Network and Security Operations Center with a 24/7 Help						

<b>Exhibit P-40, Budget Item Justification Sheet</b>		Date:	May 2009
Appropriation / Budget Activity / Serial No: Other Procurement, Army / 2 / Communications and Electronics Equipment		P-1 Item Nomenclature MACOM AUTOMATION SYSTEMS (BE4162)	
Program Elements for Code B Items:	Code:	Other Related Program Elements:	
<p>Desk provides network and systems management. The ISM program is subsumed by the Army Computing Infrastructure program in FY 2010.</p> <p>ARMY CONCEPT DEVELOPMENT AND EXPERIMENTATION CAMPAIGN PLAN (ACDEP): The ACDEP is a deliberate program of concept development, testing, and analytical experimentation to create and refine concepts and plans for future and current forces' Doctrine, Organization, Training, Materiel, Leadership and Education, Personnel and Facilities (DOTMLPF); including those engaged in combat. The ACDEP addresses the Army's Joint, combined and coalition DOTMLPF development mission. The ACDEP relies on the Battle Lab Collaborative Simulation Environment (BLCSE). The BLCSE is a secure data network and a federation of proven constructive and virtual simulations that provide a persistent, coherent, and integrated synthetic experimentation environment. The BLCSE uses Defense Planning Guidance compliant scenarios and authoritative performance data to ensure quantifiable, efficient analyses to validate major Army program decisions. The BLCSE provides substantial cost avoidance by reducing Advanced Warfighting Experimentation travel, shipping, equipment, and facility costs. The BLCSE enables collaborative activities between Training and Doctrine Command (TRADOC) components, key combat developers of the Joint Forces Command; the TRADOC Analysis Center; Army Material Command; Research, Development, and Engineering Command (RDECOM); and the Future Combat System (FCS) Lead Systems Integrator. FY 2010 procures BLSCE infrastructure, including communications links, collaborative tools and shared execution of models and simulations. It also procures hardware and software upgrades required to represent future force capabilities in a synthetic environment.</p> <p>US ARMY TRAINING AND DOCTRINE COMMAND (TRADOC) INSTITUTIONAL ARMY BATTLE COMMAND SYSTEM (ABCS) TRAINING BASE: (TIABCSTB): The ABCS is the principal digital Command and Control (C2) system for battlefield commanders from battalion to corps. The ABCS consists of the Global Command and Control System - Army (GCCS-A), Advanced Field Artillery Tactical Data System (AFATDS), All Source Analysis System (ASAS), Battle Command Sustainment Support System (BCS3), Army Missile Defense Warning System (AMDWS), Maneuver Control System (MCS), Force XXI Battle Command Battalion/Brigade and Below (FBCB2), and Tactical Airspace Information System (TAIS). This program enables future commanders, battle staff, and Soldiers to exploit new digital command and control capabilities on the battlefield. It also produces soldiers with the skills, knowledge, and attributes needed to operate and maintain system digital equipment. The TIABCSTB directly responds to the overall Army Transformation process, Overseas Contingency Operations (OCO), the Army Force Generation Model (ARFORGEN), and the FCS acquisition by addressing digital training requirements related to FBCB2 and Maneuver Control System (MCS)-Light (MCS-L). An institutional Battle Command Training and Deployable Server (BCT&amp;DS) capability is integral to the program and will support active Army National Guard and Army Reserve digital training requirements in schools, training centers and select reserve component locations to create a networked ABCS learning environment. This training system architecture will be capable of demonstrating and exercising digital battle command and staff functions, integrating live, virtual, constructive multi-media educational assets, and conducting robust Command Post and Capstone exercises. FY 2010 procures training system infrastructure that includes a virtual, integrated system of audio/visual learning management, and control tools.</p> <p>ARMY TRAINING INFORMATION ARCHITECTURE (ATIA): The ATIA infrastructure provides the operational environment for the Army Training Information Systems (ATIS), Interim Learning Management System (ILMS), the Reimer Digital Library (RDL) central processing site, and system interfaces to Army Schools, Training Requirements, and Resources Systems (ATRRS); and the Defense Integrated Military Human Resource System (DIMHRS). These systems are the official repository of Army training products and services. The ATIA hosts the development and testing facility and mission information infrastructure critical to all Army training. The ATIA's integrated net centric environment is used for Future Combat Systems (FCS) Training and DOD/Army Distributed Learning requirements by over 480 thousand Active, Guard, and Reserve Soldiers and trainers. The ATIA has a direct impact on Army training delivery tools including the Reimer Digital Library (RDL), which has 5 million hits per week and 1.2 million new/revised documents added per year; Resident Individual Training Management System (RITMS), which has an average of 75 users per site (32 sites); interface with ATRRS permitting data posting reduction from 10 to 2 days; interface to DIMHRS; the Automated Systems Approach to Training, with 400 plus servers.</p> <p>FY08/09/10 is for Active component.</p> <p>Installed to support development and management of 1570 plus course modules; and Army Recruiting Information Support System (ARISS) which is the single source for data for all soldiers accessing into the Army or mobilizing.</p>			

<b>Exhibit P-40, Budget Item Justification Sheet</b>		Date:	May 2009
Appropriation / Budget Activity / Serial No: Other Procurement, Army / 2 / Communications and Electronics Equipment		P-1 Item Nomenclature MACOM AUTOMATION SYSTEMS (BE4162)	
Program Elements for Code B Items:	Code:	Other Related Program Elements:	
<p>FY 2010 procures servers and associated software to continue lifecycle support of the infrastructure.</p> <p>NETWORK ENTERPRISE TECHNOLOGY COMMAND (NETCOM)/9TH ARMY SIGNAL COMMAND (ASC) ARMY NETWORK COMMON OPERATIONAL PICTURE (NETCOP): Army NETCOP is an integrated capability that receives, correlates, and displays a view of voice, video and data telecommunications networks, systems, and critical applications at the installation, regional, theater, and global levels. It does this through Network Service Centers (NSCs), Theater Network Operations and Security Centers (TNOSC), and the Army Global Network Operations and Security Center (A-GNOSC). NETCOP provides Combatant Commanders, Service Components, Sub-unified Commands, Joint Task Forces (JTFs), and deployed forces with the ability to improve command and control by rapidly identifying mission impact; outages and degradations; network attacks; Command, Control, Communication, and Computer (C4) shortfalls and availability; operational conditions; and event and problem resolution. NETCOP allows Army Service Component Commands (ASCC) to operate, manage and defend the Global Information Grid (GIG) in concert with their respective Combatant Commands, Defense Information System Agency (DISA), Joint JTFs, and US Space Command in a virtual, near real-time environment. The NETCOP program is subsumed by the Army Computing Infrastructure program in FY 2010.</p> <p>ARMY KNOWLEDGE ONLINE (AKO)/ARMY KNOWLEDGE MANAGEMENT: AKO and AKO-Secret (AKO-S) are the single points of entry into robust, scalable knowledge management systems. The AKO and AKO-S provide enterprise services (Single Sign-On (SSO) user authentication, global e-mail, video e-mail, web-based collaboration, community pages, shared files, storage, and instant messenger) for more than 2.0 million users in Army military, civilian, and retiree populations. These services are critical to soldier unit operations, Warfighter morale, Family Readiness Groups (FRGs), and the greater Army community. AKO Forward (AKO-F), a subset of AKO services, provides a forward deployed platform in South West Asia (SWA) designed to reduce response times for soldiers on the edge of the Army's network. AKO, AKO-S, and AKO-F provide portals to the Global Information Grid (GIG), exploit Service Oriented Architectures (SOA), eliminate security vulnerabilities, and support projected growth and portal usage to ensure effective and secure collaboration across strategic, operational, and tactical echelons. Approximately 70 thousand deployed soldiers access AKO each day. It is the single secure point of access for critical combat battle systems including the Defense Readiness Reporting System-Army (DRRS-Army); Battle Command Sustainment Support System (BCS3); Defense Message System (DMS); Operations Dedicated Imagery Network (ODIN); Air Traffic Service Data Manager; A-GNOSC NETCOP Portal Force XXI Battle Command Brigade-and-Below (FBCB2); Blue Force Tracking (BFT); and Operations Field Support Center Global Combat Support System-Army (GCSS-A) Field/Tactical Net.</p> <p>FY 2010 procures the hardware, software, infrastructure, and program management to support the portal framework and functionality.</p> <p>PAPERLESS CONTRACTING STANDARD PROCUREMENT SYSTEM (SPS): The SPS is an Army paperless contracting system that provides a standard contracting capability consistent with the Army and DoD architectures. The SPS supports procurement and contracting business systems that capture data and report information from procurement and contracting activities to Congress, Department of Defense (DoD), and the Army. Army Installation procurement and contingency contracting offices use SPS. More than 350 SPS servers support Army Contracting Operations worldwide. DoD and Army transformation plans which mandate reduction and consolidation of servers for camps, posts, and stations by 30-50%. The SPS transformation has three phases. Phase II is projected to run through 2010, with Phase III beginning in 2011.</p> <p>FY 2010 procures hardware, software, database migration/upgrades, and Continuity of Operations (COOP) for Phases II and III to reduce servers from 48-60 at 12-15 individual server sites to a single site housing 24-48 servers.</p> <p>ACQUISITION, LOGISTICS, AND TECHNOLOGY ENTERPRISE SYSTEMS AND SERVICES (ALTESS): ALTESS provides information management and technology to the Army Acquisition Executive (AAE), Office of the Assistant Secretary of the Army for Acquisition, Logistics and Technology (ASA (ALT)), DoD Joint Services Organizations, and other government agencies. ALTESS provides key acquisition business systems for the Army Acquisition community. These include the Acquisition Information Management (AIM) system, a management control mechanism for the Program Executive Office (PEO)/Program Manager (PM) structure and Army Secretariat; the Career Acquisition Management Portal (CAMP) that provides a single entry point and integration platform for the Army Acquisition Workforce (AAW), Army Acquisition Corps, and the U.S. Army Acquisition Support Center for compliance with the Defense Acquisition Workforce Improvement Act (DAWIA); and the Virtual InSight System (VIS) that provides AAE and AAW leaders with a suite of enterprise process management tools for the Army Systems Acquisition Review Council and program milestone decision reviews. Use of the AIM, VIS and CAMP are required by Department of the Army Pamphlet 70-3 Army Acquisition Procedures, dated 28 Jan 2008.</p>			

<b>Exhibit P-40, Budget Item Justification Sheet</b>		Date: May 2009
Appropriation / Budget Activity / Serial No: Other Procurement, Army / 2 / Communications and Electronics Equipment		P-1 Item Nomenclature MACOM AUTOMATION SYSTEMS (BE4162)
Program Elements for Code B Items:	Code:	Other Related Program Elements:
<p>FY 2010 procures servers, blade servers and ancillary equipment, software, racks and cables, Storage Area Network (SANs), fiber switches, Secure Internet Protocol Router Network (SIPRNET) storage, and critical life cycle replacement of \$3.000 million VIS leveraged hardware purchased in FY06.</p> <p>KOREA TRANSFORMATION (KT): KT reorganizes, moves, and consolidates forces and command centers of the US and Republic of Korea (ROK). KT consists of three plans: Strategic Transition (STP), Yongsan Relocation (YRP), and Land Partnership (LPP). The STP splits the Combined Forces Command (CFC) into two "supporting and supported" national commands: US Korea Command (KORCOM) and ROK Joint Forces Command (JFC). ROK assumes primary responsibility for command and control (C2). KORCOM will consolidate separate Army, Air Force, Navy/Marine Corps, Intelligence, Medical Command, and US Forces Korea (USFK) networks into a single Joint Information Enterprise (JIE) with a central hub at Camp Humphreys. KT funds acquisition and installation of the core JIE infrastructure. YRP relocates US Forces 50 miles from Seoul to Camp Humphreys. LLP consolidates activities from 41 to 23 bases. Critical Command, Control, Communications, Computers, &amp; Intelligence (C4I) systems and infrastructure with supporting processing and data storage, enterprise management systems, and integrated logistics support cannot go offline and must stay in use throughout the dismantling, transport, reassembly, connection, testing and migration, design, engineering certification and accreditation of C4I to an effective JIE. The JIE supports KORCOM HQ, alternate facility, United Nations Command, Mobile Command Groups (MCG), and tactical and operational elements in the Korean area of responsibility (AOR).</p> <p>FY 2010 procures C4I infrastructure, data storage, software, and program management.</p>		

<b>Exhibit P-5, Weapon OPA2 Cost Analysis</b>		Appropriation/Budget Activity/Serial No: Other Procurement, Army / 2 / Communications and Electronics Equipment			P-1 Line Item Nomenclature: MACOM AUTOMATION SYSTEMS (BE4162)			Weapon System Type:		Date: May 2009	
<b>OPA2 Cost Elements</b>		ID CD	<b>FY 08</b>			<b>FY 09</b>			<b>FY 10</b>		
			Total Cost	Qty	Unit Cost	Total Cost	Qty	Unit Cost	Total Cost	Qty	Unit Cost
			\$000	Each	\$000	\$000	Each	\$000	\$000	Each	\$000
Army Computing Infrastructure											
- Army-wide Hardware/Software		A	29110			6973			24587		
- Korea Transformation (KT) Hardware and Software		A							84227		
.											
Installation Support Modules (ISM) Hardware/Software		A	417			509					
.											
Army Concept Development and Experimentation Campaign Plan (ACDEP) Hardware/Software		A	904			1147			941		
.											
TRADOC Institutional Army Battle											
Command System (ABCS) Training Base Hardware/Software		A	988			80			384		
.											
Army Training Information Architecture (ATIA) Hardware/Software		A							278		
.		A									
Network Enterprise Technology Command (NETCOM) Network Common Operational Picture (NETCOP) Hardware/Software		A	5316			988			5027		
.											
Army Knowledge Online (AKO) Hardware/Software/Program Management		A	10025			396			5924		
.											
Paperless Contracting Standard Procurement System (SPS) Hardware/Software		A	1031			1340			2727		
.											

Exhibit P-5, Weapon OPA2 Cost Analysis	Appropriation/Budget Activity/Serial No: Other Procurement, Army / 2 / Communications and Electronics Equipment	P-1 Line Item Nomenclature: MACOM AUTOMATION SYSTEMS (BE4162)			Weapon System Type:	Date: May 2009					
OPA2 Cost Elements		ID CD	FY 08			FY 09			FY 10		
			Total Cost	Qty	Unit Cost	Total Cost	Qty	Unit Cost	Total Cost	Qty	Unit Cost
			\$000	Each	\$000	\$000	Each	\$000	\$000	Each	\$000
Acquisition Logistics and Technology											
Enterprise System and Services											
(ALTESS) Hardware/Software		A							4720		
.											
Armed Forces Inaugural Committee											
(AFIC) Hardware and Software		A	1700								
.											
Network Service Center											
(NSC) Hardware and Software		A	492								
.											
Combat Sample Generator											
(COSAGE) Hardware and Software		A	560								
.											
Virtual Contracting Enterprise System											
.											
Tactical Network Encryption Hardware		AAA				400					
.											
Lifelong Learning Center Hardware		A				2000					
.											
Institutional Digital Education Plan											
(IDEP) Hardware and Software		A				1000					
<b>Total:</b>			<b>52743</b>			<b>14833</b>			<b>128815</b>		

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

Date:  
May 2009

Appropriation/Budget Activity/Serial No: Other Procurement, Army/ 2/ Communications and Electronics Equipment	Weapon System Type:	P-1 Line Item Nomenclature: MACOM AUTOMATION SYSTEMS (BE4162)								
WBS Cost Elements:	Contractor and Location	Contract Method and Type	Location of PCO	Award Date	Date of First Delivery	QTY Each	Unit Cost \$000	Specs Avail Now?	Date Revsn Avail	RFP Issue Date
<b>Army Computing Infrastructure</b>										
<b>- Army-wide Hardware/Software</b>										
FY 2008	GTSI Chantilly, VA	C/FP	Ft Belvoir, VA	Sep 08	Oct 08			YES		
FY 2008	GTSI Chantilly, VA	F/FP	Ft Belvoir, VA	Sep 08	Nov 08			YES		
FY 2008	Intelligent Decisions Inc. Ashburn, VA	F/FP	Ft Belvoir, VA	Sep 08	Dec 08			YES		
FY 2008	Carahsoft Reston, VA	F/FP	Ft Belvoir, VA	Sep 08	Sep 08			YES		
FY 2008	Softmart Government Services Downingtown, PA	F/FP	Ft Belvoir, VA	Aug 08	Aug 08			YES		
FY 2008	Softmart Government Services Downingtown, PA	F/FP	Ft Belvoir, VA	Aug 08	Sep 08			YES		
FY 2008	Lockheed Martin Manassas, VA	T&M	Ft Belvoir, VA	Aug 08	Aug 08			YES		
FY 2008	Avaya Federal Solutions, Inc Herndon, VA	C/FP	ITEC4, Alexandria, VA	Sep 08	VAR			YES		
FY 2009	M2 Technology, Inc. San Antonio, TX	SS/FP	ITEC4, Alexandria, VA	Apr 09	VAR			YES		
FY 2009	TBS	C/FP	TBS	VAR	VAR			YES		
FY 2010	TBS	C/FP	TBS	VAR	VAR			NO		
<b>- Korea Transformation</b>										
<b>(KT) Hardware and Software</b>										
FY 2010	TBS	C/FP	TBS	VAR	VAR			YES		
<b>Installation Support Modules</b>										
<b>(ISM) Hardware/Software</b>										
FY 2008	Dell Marketing, LP Round Rock, TX	C/FP	ITEC4, Alexandria, VA	Sep 08	Dec 08			YES		
FY 2009	SRA Inc. Fairfax, VA	C/T&M	FEDSIM, GSA, Arlington, VA	Jul 08	Jul 08			YES		
<b>Army Concept Development and Experimentation Campaign Plan (ACDEP) Hardware/Software</b>										



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

Date:  
May 2009

Appropriation/Budget Activity/Serial No: Other Procurement, Army/ 2/ Communications and Electronics Equipment		Weapon System Type:	P-1 Line Item Nomenclature: MACOM AUTOMATION SYSTEMS (BE4162)								
WBS Cost Elements:	Contractor and Location		Contract Method and Type	Location of PCO	Award Date	Date of First Delivery	QTY Each	Unit Cost \$000	Specs Avail Now?	Date Revsn Avail	RFP Issue Date
FY 2008	DRS Technical Services, Inc. Beltsville, MD		C/FP	CECOM, Ft Monmouth, NJ	VAR	VAR			YES		
FY 2009	DRS Technical Services, Inc. Beltsville, MD		C/FP	CECOM, Ft Monmouth, NJ	VAR	VAR			YES		
FY 2010	TBS		C/FP	TBS	VAR	VAR			NO		
<b>TRADOC Institutional Army Battle Command System (ABCS)</b>											
<b>Training Base Hardware/Software</b>											
FY 2008	General Dynamics Fairfax, VA		C/FP	PEO STRI DOC Orlando, FL	May 08	Sep 08			YES		
FY 2008	RDECOM Aberdeen Proving Ground, MD		MIPR	TRADOC, Ft Monroe, VA	VAR	VAR			YES		
FY 2009	TBS		C/FP	TBS	VAR	VAR			NO		
FY 2010	TBS		C/FP	TBS	VAR	VAR			NO		
<b>Army Training Information Architecture (ATIA) Hardware/Software</b>											
FY 2010	TBS		C/FP	TBS	VAR	VAR			NO		
<b>Network Enterprise Technology Command (NETCOM) Network Common Operational Picture (NETCOP) Hardware/Software</b>											
FY 2008	World Wide Technology Maryland Heights, MO		C/FFP	CAC-SW, Ft Huachuca, AZ	VAR	VAR			YES		
FY 2008	Managed Object Solutions, Inc McLean, VA		C/FP	CAC-SW, Ft Huachuca, AZ	VAR	VAR			YES		
FY 2008	SoftMart Government Ser, Inc. Downingtown, PA		C/FFP	ITEC4-East Alexandria, VA	VAR	VAR			YES		
FY 2008	GTSI Corp. Chantilly, VA		C/FFP	ITEC4-West Ft Huachuca, AZ	VAR	VAR			YES		
FY 2008	APPTIS Inc. Chantilly, VA		C/FFP	ITEC4-West Ft Huachuca, AZ	VAR	VAR			YES		
FY 2008	CDW-Government Vernon Hills, IL		C/FFP	ITEC4-West Ft Huachuca, AZ	VAR	VAR			YES		
FY 2008	Qwest Communications Corp. Denver, CO		C/FFP	ITEC4-West Ft Huachuca, AZ	Jul 08	Aug 08			YES		
FY 2009	TBS		C/FP	TBS	VAR	VAR			NO		

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

Date:  
May 2009

Appropriation/Budget Activity/Serial No: Other Procurement, Army/ 2/ Communications and Electronics Equipment		Weapon System Type:		P-1 Line Item Nomenclature: MACOM AUTOMATION SYSTEMS (BE4162)						
WBS Cost Elements:	Contractor and Location	Contract Method and Type	Location of PCO	Award Date	Date of First Delivery	QTY Each	Unit Cost \$000	Specs Avail Now?	Date Revsn Avail	RFP Issue Date
FY 2010 <b>Army Knowledge Online (AKO)</b> <b>Hardware/Software/Program Management</b>	TBS	C/FP	TBS	VAR	VAR			NO		
FY 2008	Northrop Grumman Vienna, VA	C/FP	ITEC4, Alexandria, VA	VAR	VAR			YES		
FY 2009	Northrop Grumman Vienna, VA	C/FP	ITEC4, Alexandria, VA	VAR	VAR			YES		
FY 2010 <b>Paperless Contracting Standard</b> <b>Procurement System</b> <b>(SPS) Hardware/Software</b>	TBS	C/FP	TBS	VAR	VAR			NO		
FY 2008	GTSI Chantilly, VA	C/FP	CECOM, Ft Monmouth, NJ	Sep 08	Oct 08			YES		
FY 2009	TBS	C/FP	TBS	VAR	VAR			YES		
FY 2010 <b>Acquisition Logistics and Technology</b> <b>Enterprise System and Services</b> <b>(ALTESS) Hardware/Software</b>	TBS	C/FP	TBS	VAR	VAR			NO		
FY 2010 <b>Armed Forces Inaugural Committee</b> <b>(AFIC) Hardware and Software</b>	TBS	C/FP	CCE-Washington	VAR	VAR			YES		
FY 2008 <b>Network Service Center</b> <b>(NSC) Hardware and Software</b>	ISEC Ft Huachuca, AZ	MIPR	CECOM, Ft Monmouth, NJ	Aug 08	Sep 08			YES		
FY 2008	5th Signal Command Federal Republic of Germany	MIPR	CECOM, Ft Monmouth, NJ	Aug 08	Sep 08			YES		
FY 2008	Intelligent Decisions Inc. Ashburn, VA	F/FP	ITEC4, Alexandria, VA	Sep 08	Oct 08			YES		
FY 2008	GTSI Chantilly, VA	T/M	ITEC4, Alexandria, VA	Sep 08	Oct 08			YES		
FY 2008	Softmart Government Services Downingtown, PA	F/FP	ITEC4, Alexandria, VA	Apr 08	Apr 08			YES		

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

Date:  
May 2009

WBS Cost Elements:	Contractor and Location	Contract Method and Type	Location of PCO	Award Date	Date of First Delivery	QTY Each	Unit Cost \$000	Specs Avail Now?	Date Revsn Avail	RFP Issue Date
FY 2008 <b>Combat Sample Generator (COSAGE) Hardware and Software</b>	Carahsoft Reston, VA	T/M	ITEC4, Alexandria, VA	Sep 08	Oct 08			YES		
FY 2008 <b>Virtual Contracting Enterprise System</b>	APPTIS Inc. Chantilly, VA	C/FP	CCE-Washington	VAR	VAR			YES		
FY 2008	GTSI Chantilly, VA	C/FP	CDCC, Ft Belvoir, VA	Sep 08	VAR			YES		
FY 2008	Dell Marketing LP Round Rock, TX	C/FP	CDCC, Ft Belvoir, VA	Sep 08	VAR			YES		
FY 2008	EC America Gaithersburg, MD	C/FP	CDCC, Ft Belvoir, VA	Sep 08	VAR			YES		
FY 2008	Mythics, Inc. Virginia Beach, VA	C/FP	ITEC4, Alexandria, VA	Sep 08	VAR			YES		
FY 2008 <b>Tactical Network Encryption Hardware</b>	ALLUTIQ, LLC Anchorage, AK	C/FP	AMCOM, Redstone, AL	Sep 08	VAR			YES		
FY 2009 <b>Lifelong Larning Center Hardware</b>	TBS	C/FP	TBS	VAR	VAR			NO		
FY 2009 <b>Institutional Digital Education Plan (IDEP) Hardware and Software</b>	TBS	C/FP	TBS	VAR	VAR			NO		
FY 2009	TBS	C/FP	TBS	VAR	VAR			NO		

REMARKS: All quantities and unit costs vary by configuration and site. VAR - Multiple contracts awarded/delivered throughout the year; PEO STRI-Program Executive Office for Simulation, Training, and Instrumentation; DOC-Directorate of Contracting; CECOM-Communications-Electronics Command; ITEC4-Information Technology and Electronic Commerce Commercial Contracting Center; CCE-Contracting Center of Excellence; ISEC-US Army Information Systems Engineering Command; RDECOM-US Army Research, Development and Engineering Command; CAC-SW-CECOM Aquisition Center SouthWest; AMCOM-US Army Aviation and Missile Command; CDCC-Capital District Contracting Center; FEDSIM-Federal Systems Integration & Management Center; GSA-General Services Administration;

<b>Exhibit P-40, Budget Item Justification Sheet</b>						Date: May 2009
Appropriation / Budget Activity / Serial No: Other Procurement, Army / 2 / Communications and Electronics Equipment				P-1 Item Nomenclature PERSONNEL AUTOMATION SYSTEMS (BE4164)		
Program Elements for Code B Items:		Code:	Other Related Program Elements:			
	Prior Years	FY 2008	FY 2009	FY 2010	To Complete	Total Prog
Proc Qty						
Gross Cost	730.2	33.2	51.7	67.9	Continuing	Continuing
Less PY Adv Proc						
Plus CY Adv Proc						
Net Proc P1	730.2	33.2	51.7	67.9	Continuing	Continuing
Initial Spares						
Total Proc Cost	730.2	33.2	51.7	67.9	Continuing	Continuing
Flyaway U/C						
Weapon System Proc U/C					Continuing	Continuing
<b>Description:</b> This budget line provides for procurement of Automated Data Processing Equipment (ADPE) for management information systems in the personnel community. All systems are subject to the certification and annual review provisions of the FY05 National Defense Authorization Act (NDAA) or Defense Business Transformation initiatives.						
<b>Justification:</b> PERSONNEL ENTERPRISE SUPPORT-AUTOMATION (PES-A): The PES-A is an Information Technology (IT) Enterprise infrastructure acquisition program that provides integrated support to the Army Human Resources (HR) community. This program is critical to the execution of the day-to-day operations for the Active Army and its components in terms of strength accounting, personnel movement, assignment actions, career management, training, recruiting, reenlistment, and mobilization. PES-A provides the hardware, network, and connectivity capabilities that serve as the technical foundation for over 300 Army HR systems, applications, and services supporting the Warfighter such as the Enlisted, Officer, and General Officer Selection Boards, the Soldier's Management System (SMS), the Wounded Warrior System, and the Defense Casualty Information Processing System (DCIPS). PES-A supports the readiness and Well-Being of Army personnel which enables efficient and effective management of Army Soldiers world-wide. This strong and integrated infrastructure serves as the "backbone" for applications to ensure that crucial data and information is available at all times to Soldiers, Army Leaders, the Department of Defense, and ultimately, Congress. The increased funding from FY09 to FY10 supports the life-cycle replacement and acquisition of the new IT Infrastructure environment at the HRCoE in Fort Knox. FY 2010 procures equipment for life-cycle replacement of mainframe components, client servers, network infrastructure, and disaster recovery services to support the Human Resources Command (HRC) Base Realignment and Closure (BRAC) move to Fort Knox.  UNITED STATES MILITARY ENTRANCE PROCESSING COMMAND (USMEPCOM) INTEGRATED RESOURCE SYSTEM (MIRS): The MIRS provides the automation and communications capability for USMEPCOM to meet its peacetime, mobilization and wartime military manpower accession mission for the Department of Defense (DoD). The MIRS is in use at 65 Military Entrance Processing Stations (MEPS) and approximately 500 Military Entrance Test (MET) sites throughout the US and its territories. The MIRS is the only official DoD joint accession resource system that processes applicants for enlistment into all Services in the Armed Forces. It collects, stores, edits, processes, and reports applicant and enlistment data on every US Military applicant to determine their aptitude, medical, and moral qualifications for service. The MIRS interfaces with the Social Security Administration; United States Citizenship and Immigration Services, the Federal Bureau of Investigation through the Office of Personnel Management, commercial and DoD drug laboratories, the recruiting services; the Defense Manpower Data Center; and many other DoD systems. The MIRS processes approximately 1.2 million individual records annually through its Data Services. These services directly support the Selective Service System by						

<b>Exhibit P-40, Budget Item Justification Sheet</b>		Date: May 2009
Appropriation / Budget Activity / Serial No: Other Procurement, Army / 2 / Communications and Electronics Equipment		P-1 Item Nomenclature PERSONNEL AUTOMATION SYSTEMS (BE4164)
Program Elements for Code B Items:	Code:	Other Related Program Elements:
<p>maintaining approximately 15 million records. The MIRS will remain operational until VIPS replaces it at the end of FY2013. FY 2010 procures lifecycle replacements and upgrades including application, database, file and web servers, data storage, PCs, laptops, document printers, barcode printers, scanners, VTC equipment, fingerprint scanners, identity verification cameras, uninterruptable power supplies, application monitoring and management tools/devices, and network infrastructure including network and security equipment.</p> <p><b>ARMY CENTRALIZED CIVILIAN HUMAN RESOURCES (ACCHR):</b> The ACCHR establishes support for the operations and maintenance of the Defense Civilian Personnel Database System (DCPDS), a Department of Defense Personnel System utilized by each Defense component. DCPDS is the current Human Resources (HR) system for all DA civilians worldwide. ACCHR is comprised of three data centers, the Army Civilian Data Center (ACDC), Hoffman Civilian Data Center, the Army Benefits Center-Civilian (ABC-C), and the Staffing Suite, performing multiple civilian human resources (HR) functions in support of the Department of the Army G1's goal to anticipate, create and maintain personnel readiness across the Army. The DCPDS also supports multiple Army Civilian HR systems providing Department of the Army Civilians, Civilian Supervisors and managers, and HR professionals worldwide secure access to Army Civilian Personnel information. DCPDS is the current HR system of record for all Department of the Army civilian's worldwide and provides Army Civilians access to the My Biz/My Workplace application which support the recently implemented National Security Personnel System (NSPS). The ABC-C provides life, health, financial, and retirement benefit information to Army Civilian Employees. The Staffing Suite supports the recruitment and placement of qualified candidates into the Army civilian workforce worldwide. The Network Security Topology Infrastructure provides security for all 3 enclaves within the ACCHR Enterprise to include the PII-Privacy Information.</p> <p>FY 2010 procures lifecycle replacement of the DCPDS automation infrastructure, OSE-compliant data and process servers, communications infrastructure, network storage, system workstations and software, at the ACDC, the Hoffman Civilian Data Center. DCPDS is the system used to process deployed Army Civilians into theater in support of the War fighter and keeps the Army Civilian bench trained and ready for such deployments.</p> <p><b>US MILITARY ACADEMY (USMA) INFORMATION TECHNOLOGY:</b> The USMA is an accredited institution of higher learning graduating approximately 1000 Second Lieutenants to support the Army each year to sustain the mission of the Academy as it maintains pace with Army transformation, remains a competitive Tier 1 university, and supports growing the Army by increasing the size of the Corps of Cadets to support overseas contingency operations. Many non-DoD affiliations affect mission requirements, specifically, the Accreditation Board of Engineering and Technology (ABET), Middle States Accreditation Board, and Computer Science Accreditation Board (CSAB). These accreditation efforts look at future plans for information technology. To maintain its accreditation standards and to instruct and prepare future Army leaders to operate in the sophisticated high-tech warfare depicted in Joint and Army Visions for 2020 and beyond, USMA must employ the latest technology in spaces where cadets, staff, and faculty congregate and collaborate to include cadet barracks, administrative buildings, academic classrooms, and laboratories. FY 2010 procures new audio/visual and computers to upgrade academic classrooms, study collaboration spaces, and several computer labs; and network communications equipment, such as router and switches to support infrastructure programs essential to every aspect of education, training, and Command and Control (C2) of the USMA and West Point Garrison. Procurement directly supports the Army's core competency to train and equip Soldiers and grow leaders to develop in our future leaders the right mix of unit, staff, and command experience, and training and education opportunities to meet the current and future leadership requirements of the Army and the Joint Force.</p> <p>FY08/09/10 is for Active component.</p> <p><b>US ARMY ACCESSIONS COMMAND (USAAC) INTEGRATED AUTOMATION ARCHITECTURE (AAC-IAA):</b> The AAC-IAA encompasses the entire automation support for the Army accessions, recruiting, and Reserve Officer Training Corps (ROTC) commissioning mission to satisfy Army manning and force strength requirements to support Warfighter accessioning while interfacing with Army and Department of Defense (DoD) personnel systems. The AAC-IAA serves as the automation enabler for Total Army recruiting (Active, Reserve, and Army National Guard (ARNG)) while operating primarily in the public, educational, and commercial sectors, providing essential data on applicants and newly enlisted Soldiers. The AAC-IAA provides enhanced automation capabilities to field recruiters and guidance counselors for the Regular Army, Reserves, ARNG, and other accessioning personnel for special missions. The architecture facilitates response to changes from Office of the Secretary of Defense (OSD) and Department of the Army (DA) concerning accession business processes, reduction of administrative tasks, and eliminating</p>		

<b>Exhibit P-40, Budget Item Justification Sheet</b>		Date: May 2009
Appropriation / Budget Activity / Serial No: Other Procurement, Army / 2 / Communications and Electronics Equipment		P-1 Item Nomenclature PERSONNEL AUTOMATION SYSTEMS (BE4164)
Program Elements for Code B Items:	Code:	Other Related Program Elements:
<p>manual reports to leadership. Operationally, it electronically captures information about applicants, supports electronic projection of applicant data, supporting documents, backs up data from recruiter laptops, provides Continuity of Operations (COOP) for critical support systems, maintains historical production data (data warehouse), produces management reports, supports the presentation of Army opportunities, and is the sole source for delivering leads to recruiters. The AAC-IAA also provides the overarching support structure for cyber recruiting and applicant self-processing (Army Career Explorer).</p> <p>FY 2010 procures application, database, and web servers for the relocation of USAAC IT resources into the new Human Resources Center of Excellence (HRCoE) data center as a Base Realignment and Closure (BRAC) effort. Includes related communications equipment (routers, switches), Storage Area Networks (SAN) and tape storage equipment.</p> <p>PERSONNEL SERVICES DELIVERY REDESIGN (PSDR): The PSDR is an initiative that provides the Human Resource (HR) community's response to Army transformation. It eliminates support layers and minimizes support unit footprint in the battle space. The PSDR embeds critical personnel functions in the Brigade (BDE) personnel section and empowers commanders to provide HR support directly to their soldiers. It creates modular, scalable, and flexible HR organizations to support casualty, postal, and R5 (reception, replacement, return to duty, rest and relaxation, and redeployment) functions at the theater level. The PSDR also eliminates the requirement to unplug personnel services capability from a garrison structure to support wartime deployments. Finally, PSDR leverages web-based systems, connectivity, and bandwidth to support the expeditionary Army. This initiative exploits already existing technology to empower Brigade and Battalion personnel sections by enabling them to establish and maintain reliable lines of communications with Human Resources Command (HRC), Enlisted Records and Evaluation Center (EREC), Regional Readiness Centers, and State Joint Forces Headquarters, providing HR support in theater to active Army, Army Reserve, National Guard, Army civilians, and contractors. Program not funded in FY 2010.</p> <p>DEFENSE INTEGRATED MILITARY HUMAN RESOURCE SYSTEM (DIMHRS). The Defense Integrated Military Human Resources System (DIMHRS) provides the Army with an integrated, multi-component, personnel and pay system. The Army DIMHRS Program mission is to deliver a single, integrated personnel and pay system to all Army components that streamlines Army Human Resources (HR), enhances the efficiency and accuracy of Army personnel and pay procedures, and supports Soldiers and their families. DIMHRS provides an integrated military personnel and pay functionality in a single system and integrates service member support through the entire Army Personnel Lifecycle (acquire to retire). DIMHRS will also reduce stove-piped legacy systems to create more streamlined systems in support of the military mission and personnel transformation goals.</p> <p>FY 2010 procures configuration management software, life cycle replacement of legacy equipment, and Continuity of Operations (COOP) equipment and software to support persistent system functions.</p>		

<b>Exhibit P-5, Weapon OPA2 Cost Analysis</b>		Appropriation/Budget Activity/Serial No: Other Procurement, Army / 2 / Communications and Electronics Equipment			P-1 Line Item Nomenclature: PERSONNEL AUTOMATION SYSTEMS (BE4164)			Weapon System Type:		Date: May 2009	
<b>OPA2 Cost Elements</b>		ID CD	<b>FY 08</b>			<b>FY 09</b>			<b>FY 10</b>		
			Total Cost	Qty	Unit Cost	Total Cost	Qty	Unit Cost	Total Cost	Qty	Unit Cost
			\$000	Each	\$000	\$000	Each	\$000	\$000	Each	\$000
Personnel Enterprise System- Automation (PES-A) Hardware/Software		A	5358			7323			40325		
US Military Entrance Processing Command (USMEPCOM) Integrated Resources System (MIRS) Hardware/Software		A	4144			17557			11786		
Army Centralized Civilian Human Resources (ACCHR) Hardware/Software		A	6831			4259			3500		
US Military Academy Information Technology Hardware/Software		A	1995			2476			2838		
US Army Accessions Command Integrated Automation Architecture (AAC-IAA) Hardware/Software		A	7261			6288			8804		
Personnel Services Delivery Redesign (PSDR) Hardware/Software		A	7584			7528					
Defense Integrated Military Human Resource System (DIMHRS) Hardware/Software		A				6245			652		
<b>Total:</b>			<b>33173</b>			<b>51676</b>			<b>67905</b>		

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

Date:  
May 2009

Appropriation/Budget Activity/Serial No: Other Procurement, Army/ 2/ Communications and Electronics Equipment	Weapon System Type:	P-1 Line Item Nomenclature: PERSONNEL AUTOMATION SYSTEMS (BE4164)								
WBS Cost Elements:	Contractor and Location	Contract Method and Type	Location of PCO	Award Date	Date of First Delivery	QTY Each	Unit Cost \$000	Specs Avail Now?	Date Revsn Avail	RFP Issue Date
<b>Personnel Enterprise System- Automation (PES-A) Hardware/Software</b>										
FY 2008	SAIC Washington, DC	C/FP	GSA FEDSIM, Alexandria, VA	VAR	VAR			NO		
FY 2009	TBS	C/FP	TBS	VAR	VAR			NO		
FY 2010	TBS	C/FP	TBS	VAR	VAR			NO		
<b>US Military Entrance Processing Command (USMEPCOM) Integrated Resources System (MIRS) Hardware/Software</b>										
FY 2008	Northrup-Grumman McLean, VA	C/FP	GSA FEDSIM, Alexandria, VA	Sep 08	Oct 08			YES		
FY 2009	CDW Government, Inc. Vernon Hills, IL	C/FP	MICC Center, Ft Knox, KY	VAR	VAR			YES		
FY 2009	Dell Marketing, LP Round Rock, TX	C/FP	MICC Center, Ft Knox, KY	VAR	VAR			YES		
FY 2009	World Wide Technology, Inc. St. Louis, MO	C/FP	MICC Center, Ft Knox, KY	VAR	VAR			NO		
FY 2010	TBS	C/FP	TBS	VAR	VAR			NO		
<b>Army Centralized Civilian Human Resources (ACCHR) Hardware/Software</b>										
FY 2008	Merlin Technical Solutions Greenwood Village, CO	C/FP	CDCC, Ft Belvoir, VA	VAR	VAR			YES		
FY 2008	Presido Corp Greenbelt, MD	C/FP	CDCC, Ft Belvoir, VA	VAR	VAR			YES		
FY 2008	Hewlett Packard Company Greenbelt, MD	C/FP	CDCC, Ft Belvoir, VA	VAR	VAR			YES		
FY 2008	Dell Federal Systems, LP Round Rock, TX	C/FP	CDCC, Ft Belvoir, VA	VAR	VAR			YES		
FY 2008	Hewlett Packard Gaithersburg, MD	C/FP	CDCC, Ft Belvoir, VA	VAR	VAR			YES		
FY 2008	NitroSecurity Portsmouth, NH	C/FP	CDCC, Ft Belvoir, VA	VAR	VAR			YES		



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

Date:  
May 2009

Appropriation/Budget Activity/Serial No: Other Procurement, Army/ 2/ Communications and Electronics Equipment		Weapon System Type:	P-1 Line Item Nomenclature: PERSONNEL AUTOMATION SYSTEMS (BE4164)							
WBS Cost Elements:	Contractor and Location	Contract Method and Type	Location of PCO	Award Date	Date of First Delivery	QTY Each	Unit Cost \$000	Specs Avail Now?	Date Revsn Avail	RFP Issue Date
FY 2008	ICEWEB Virginia, Inc. Herndon, VA	C/FP	CDCC, Ft Belvoir, VA	VAR	VAR			YES		
FY 2008	Hewlett Packard Bethesda, MD	C/FP	CDCC, Ft Belvoir, VA	VAR	VAR			YES		
FY 2008	Gov Connection Rockville, MD	C/FP	CDCC, Ft Belvoir, VA	VAR	VAR			YES		
FY 2008	DLT Herndon, VA	C/FP	CDCC, Ft Belvoir, VA	VAR	VAR			YES		
FY 2008	CDW Government, Inc. Vernon Hills, IL	C/FP	CDCC, Ft Belvoir, VA	VAR	VAR			YES		
FY 2008	APPTIS, Inc. Chantilly, VA	C/FP	CDCC, Ft Belvoir, VA	VAR	VAR			YES		
FY 2008	World Wide Technology, Inc. Maryland Heights, MO	C/FP	CDCC, Ft Belvoir, VA	VAR	VAR			YES		
FY 2009	TELOS Reston, VA	C/FP	CDCC, Ft. Belvoir, VA	VAR	VAR			YES		
FY 2010	TBS	C/FP	TBS	VAR	VAR			NO		
<b>US Military Academy Information</b>										
<b>Technology Hardware/Software</b>										
FY 2008	Dell Federal Systems, LP Round Rock, TX	C/FP	DOC West Point, NY	VAR	VAR			YES		
FY 2008	New Tech Solutions, Inc. Freemont, CA	C/FP	DOC West Point, NY	Jun 08	Jul 08			YES		
FY 2008	Great Falls Services Great Falls, VA	C/FP	DOC West Point, NY	Jun 08	Jul 08			YES		
FY 2008	Synteras, LLC Colorado Springs, CO	C/FP	DOC West Point, NY	Jun 08	VAR			YES		
FY 2008	CDW Government, Inc. Vernon Hills, IL	C/FP	DOC West Point, NY	May 08	Jul 08			YES		
FY 2008	Alpha Sum Business Machines Jackson Heights, NY	C/FP	DOC West Point, NY	May 08	Aug 08			YES		
FY 2008	APPTIS, Inc. Chantilly, VA	C/FP	DOC West Point, NY	May 08	May 08			YES		
FY 2008	Winker's Ink & Office Suply Palm Springs, CA	C/FP	DOC West Point, NY	May 08	Jun 08			YES		
FY 2008	GTSI Corp	C/FP	DOC West Point, NY	VAR	VAR			YE		

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

Date:  
May 2009

Appropriation/Budget Activity/Serial No: Other Procurement, Army/ 2/ Communications and Electronics Equipment	Weapon System Type:	P-1 Line Item Nomenclature: PERSONNEL AUTOMATION SYSTEMS (BE4164)								
WBS Cost Elements:	Contractor and Location	Contract Method and Type	Location of PCO	Award Date	Date of First Delivery	QTY Each	Unit Cost \$000	Specs Avail Now?	Date Revsn Avail	RFP Issue Date
FY 2008	Chantilly, VA Government Supply Line Oviedo, FL	C/FP	DOC West Point, NY	VAR	VAR			NO		
FY 2009	Dell Federal Systems, LP Round Rock, TX	C/FP	DOC West Point, NY	Jul 08	Aug 08			NO		
FY 2009	Shore Group New York, NY	C/FP	DOC West Point, NY	VAR	VAR			NO		
FY 2009	Embrace Tech Inc Woodside, NY	C/FP	DOC West Point, NY	VAR	VAR			NO		
FY 2009	World Wide Technology, Inc. Maryland Heights, MO	C/FP	DOC West Point, NY	VAR	VAR			NO		
FY 2009	Carahsoft Tech Corp Reston, VA	C/FP	DOC West Point, NY	VAR	VAR			NO		
FY 2010	TBS	C/FP	DOC West Point, NY	VAR	VAR			NNO		
<b>US Army Acquisitions Command</b>										
<b>Integrated Automation Architecture</b>										
<b>(AAC-IAA) Hardware/Software</b>										
FY 2008	CDW Government, Inc. Vernon Hills, IL	C/FP	DOC, Ft. Knox, KY	VAR	VAR			YES		
FY 2008	World Wide Technology, Inc. St. Louis, MO	C/FP	DOC, Ft. Knox, KY	VAR	VAR			YES		
FY 2008	ONIX Networking Westlake, OH	C/FP	DOC, Ft. Knox, KY	Mar 08	Jun 08			YES		
FY 2008	ASI Net Melbourne, FL	C/FP	DOC, Ft. Knox, KY	Jun 08	Sep 08			YES		
FY 2009	CDW Government, Inc. Vernon Hills, IL	C/FP	DOC, Ft. Knox, KY	VAR	VAR			YES		
FY 2009	APPTIS, Inc. Chantilly, VA	C/FP	DOC, Ft. Knox, KY	Mar 09	Apr 09			YES		
FY 2009	World Wide Technology, Inc. St. Louis, MO	C/FP	CHESS, Ft. Monmouth, NJ	VAR	VAR			YES		
FY 2010	TBS	C/FP	TBS	VAR	VAR			YES		
<b>Personnel Services Delivery Redesign</b>										
<b>(PSDR) Hardware/Software</b>										
FY 2008	TBS	C/FP	ITEC4, Alexandria, VA	VAR	VAR			YES		

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

Date:  
May 2009

WBS Cost Elements:	Contractor and Location	Contract Method and Type	Location of PCO	Award Date	Date of First Delivery	QTY Each	Unit Cost \$000	Specs Avail Now?	Date Revsn Avail	RFP Issue Date
FY 2009 <b>Defense Integrated Military Human Resource System (DIMHRS)</b> <b>Hardware/Software</b>	TBS	C/FP	ITEC4, Alexandria, VA	VAR	VAR			YES		
FY 2009	TBS	C/FP	ITEC4 Alexandria, VA	VAR	VAR			YES		
FY 2010	TBS	C/FP	TBS	VAR	VAR			YES		

REMARKS: All quantities and unit costs vary by configuration and site. VAR-Multiple Contracts awarded/delivered throughout the year; ITEC4-Information Technology E-Commerce and Commercial Contracting Center; MICC- Mission and Installation Contracting Command; CDCC - Capital District Contracting Center; DOC - Director of Contracting; CHESS - Computer Hardware Enterprise Software and Solutions; HRC - Human Resources Command

<b>Exhibit P-40, Budget Item Justification Sheet</b>						Date: May 2009
Appropriation / Budget Activity / Serial No: Other Procurement, Army / 2 / Communications and Electronics Equipment				P-1 Item Nomenclature CSS COMMUNICATIONS (BD3501)		
Program Elements for Code B Items:		Code:	Other Related Program Elements:			
	Prior Years	FY 2008	FY 2009	FY 2010	To Complete	Total Prog
Proc Qty						
Gross Cost		245.1	84.9	33.7	Continuing	Continuing
Less PY Adv Proc						
Plus CY Adv Proc						
Net Proc P1		245.1	84.9	33.7	Continuing	Continuing
Initial Spares						
Total Proc Cost		245.1	84.9	33.7	Continuing	Continuing
Flyaway U/C						
Weapon System Proc U/C					Continuing	Continuing
<b>Description:</b>						
This Combat Service Support (CSS) Communications program supports the Army's full spectrum logistics communication requirements under two programs: Combat Service Support Automated Information System Interface (CAISI) and Combat Service Support Satellite Communications (CSS SATCOM).						
CAISI allows current and emerging battlefield combat service support Combat Service Support (CSS) automation devices within the logistics support areas to electronically exchange information via tactical networks. CAISI also interfaces with other battlefield, CSS, and sustaining base automated systems. CAISI provides unit commanders and managers an interface device to support current and future CSS doctrine during full spectrum operations, facilitating the concentration of users and the transfer of real time information in a highly fluid operational environment.						
CSS SATCOM provides a highly effective, easy to use, transportable commercial SATCOM based solution to CSS nodes, supporting broadband information exchange up to Sensitive information, rapidly deployable anywhere in the world, and fully integrated into the Global Information Grid (GIG). Many of the critical Standard Army Management Information Systems (STAMIS) operate on the CSS SATCOM network (backbone) to support the mission and units in the field.						
<b>Justification:</b>						
FY 2010 base funding of \$33.749 million procures hardware, integration and fielding of CAISI modules to enable the Warfighter to communicate real-time logistics information to reach-back commands and provide LAN capability for CSS units across the Army. In addition, FY10 base funding procures very small aperture terminals (VSAT), critical infrastructure equipment, fielding and new equipment training costs associated with the deployment of remote satellite terminals to CSS units Army wide.						

<b>Exhibit P-5, Weapon OPA2 Cost Analysis</b>		Appropriation/Budget Activity/Serial No: Other Procurement, Army / 2 / Communications and Electronics Equipment			P-1 Line Item Nomenclature: CSS COMMUNICATIONS (BD3501)			Weapon System Type:		Date: May 2009	
<b>OPA2 Cost Elements</b>		ID	<b>FY 08</b>			<b>FY 09</b>			<b>FY 10</b>		
		CD	Total Cost	Qty	Unit Cost	Total Cost	Qty	Unit Cost	Total Cost	Qty	Unit Cost
			\$000	Units	\$000	\$000	Units	\$000	\$000	Units	\$000
<b>CAISI</b>											
System Supportr Rep Kit Hardware		A	1032	86	12	5966	497	12	7656	638	12
CAISI Bridge Module Hardware		A	8377	1500	6	10520	1753	5	9973	1996	5
CAISI Client Module Hardware		A	3200	800	4						
<b>CAISI Total</b>			<b>12609</b>			<b>16486</b>			<b>17629</b>		
<b>CSS SATCOM</b>											
VSATs		A	22670	253	90	20150	226	90	16120	180	90
<b>CSS COMMS Supplemental</b>											
CSS SATCOM			209784			48254					
<b>CSS SATCOM Total</b>			<b>232454</b>			<b>68404</b>			<b>16120</b>		
<b>Total:</b>			<b>245063</b>			<b>84890</b>			<b>33749</b>		

<b>Exhibit P-40, Budget Item Justification Sheet</b>						Date: May 2009
Appropriation / Budget Activity / Serial No: Other Procurement, Army / 2 / Communications and Electronics Equipment				P-1 Item Nomenclature CAISI (BD3512)		
Program Elements for Code B Items:		Code:	Other Related Program Elements:			
	Prior Years	FY 2008	FY 2009	FY 2010	To Complete	Total Prog
Proc Qty						
Gross Cost	44.6	12.6	16.5	17.6	Continuing	Continuing
Less PY Adv Proc						
Plus CY Adv Proc						
Net Proc P1	44.6	12.6	16.5	17.6	Continuing	Continuing
Initial Spares						
Total Proc Cost	44.6	12.6	16.5	17.6	Continuing	Continuing
Flyaway U/C						
Weapon System Proc U/C					Continuing	Continuing
<b>Description:</b> COMBAT SERVICE SUPPORT AUTOMATED INFORMATION SYSTEMS INTERFACE (CAISI) - CAISI allows current and emerging CSS Automation devices within the logistics support areas to electronically exchange information via tactical networks. CAISI also interfaces with other Combat Service Support (CSS), and sustaining base automated systems. CAISI provides unit commanders and managers an interface device to support current and future combat service support doctrine for the conduct of full spectrum operations.						
<b>Justification:</b> FY 2010 base funding of \$17.629 million procures hardware and support to integrate CAISI modules enabling the communication of real-time logistics information and begins the life cycle replacement for the current version of CAISI which is approaching the end of its useful life.						

<b>Exhibit P-5, Weapon OPA2 Cost Analysis</b>	Appropriation/Budget Activity/Serial No: Other Procurement, Army / 2 / Communications and Electronics Equipment	P-1 Line Item Nomenclature: CAISI (BD3512)	Weapon System Type:	Date: May 2009
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OPA2 Cost Elements	ID	FY 08			FY 09			FY 10		
	CD	Total Cost	Qty	Unit Cost	Total Cost	Qty	Unit Cost	Total Cost	Qty	Unit Cost
		\$000	Units	\$000	\$000	Units	\$000	\$000	Units	\$000
System Support Rep Kit Hardware	A	1032	86	12	5966	497	12	8413	776	12
CAISI Bridge Module Hardware	A	8377	1500	6	10520	2104	5	9216	2410	5
CAISI Client Module Hardware	A	3200	800	4						
<b>Total:</b>		<b>12609</b>			<b>16486</b>			<b>17629</b>		

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

Date:  
May 2009

WBS Cost Elements:	Contractor and Location	Contract Method and Type	Location of PCO	Award Date	Date of First Delivery	QTY Units	Unit Cost \$000	Specs Avail Now?	Date Revsn Avail	RFP Issue Date
<b>System Support Rep Kit Hardware</b>										
FY 2008	VARIOUS	C/FP	CECOM, Ft Monmouth, NJ	Dec 07	Feb 08	86	12	NO	NO	NA
FY 2009	VARIOUS	C/FP	CECOM, Ft Monmouth, NJ	Mar 09	May 09	497	12	NO	NO	NA
FY 2010	VARIOUS	C/FP	ITEC4, Alexandria, VA	TBD	TBD	776	12	NO	NO	NA
<b>CAISI Bridge Module Hardware</b>										
FY 2008	VARIOUS	C/FP	CECOM, Ft Monmouth, NJ	Dec 07	Feb 08	1500	6	NO	NO	NA
FY 2009	VARIOUS	C/FP	CECOM, Ft Monmouth, NJ	Mar 09	May 09	2104	5	NO	NO	NA
FY 2010	VARIOUS	C/FP	ITEC4, Alexandria, VA	TBD	TBD	2410	5	NO	NO	NA
<b>CAISI Client Module Hardware</b>										
FY 2008	VARIOUS	VAR	CECOM, Ft Monmouth, NJ	Nov 07	Jan 08	800	4	NO	NO	NA
FY 2009	VARIOUS	C/FP	TBD							

REMARKS:



<b>Exhibit P-40, Budget Item Justification Sheet</b>						Date: May 2009
Appropriation / Budget Activity / Serial No: Other Procurement, Army / 2 / Communications and Electronics Equipment				P-1 Item Nomenclature CSS SATCOM (BD3513)		
Program Elements for Code B Items:		Code:	Other Related Program Elements:			
	Prior Years	FY 2008	FY 2009	FY 2010	To Complete	Total Prog
Proc Qty						
Gross Cost	198.6	232.5	68.4	16.1	Continuing	Continuing
Less PY Adv Proc						
Plus CY Adv Proc						
Net Proc P1	198.6	232.5	68.4	16.1	Continuing	Continuing
Initial Spares						
Total Proc Cost	198.6	232.5	68.4	16.1	Continuing	Continuing
Flyaway U/C						
Weapon System Proc U/C					Continuing	Continuing
<b>Description:</b> COMBAT SERVICE SUPPORT SATELLITE COMMUNICATIONS (CSS SATCOM) uses commercial satellite technology to deliver a satellite-based, global, wide area data network supporting current and future CSS information systems. Key aspects of the CSS SATCOM network include: Fully Internet Protocol (IP) based connection to the Non-secure Internet Protocol Router Network (NIPRNET) Sensitive information Transport & Encryption; remote satellite terminals (Very Small Aperture Terminal (VSAT)) owned and operated by CSS units; four regional teleports provide global coverage; single commercial network management center and helpdesk in the Continental United States (CONUS). CSS SATCOM is a critical component of the Army Connect the Logistician Program.						
<b>Justification:</b> FY 2010 base funding of \$16.120 million procures satellite terminals, critical infrastructure equipment, fielding and new equipment training costs associated with the deployment of remote satellite terminals to Combat Service Support units Army wide. FY2010 begins Life Cycle Replacement.						

<b>Exhibit P-5, Weapon OPA2 Cost Analysis</b>	Appropriation/Budget Activity/Serial No: Other Procurement, Army / 2 / Communications and Electronics Equipment	P-1 Line Item Nomenclature: CSS SATCOM (BD3513)	Weapon System Type:	Date: May 2009
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OPA2 Cost Elements	ID	FY 08			FY 09			FY 10		
	CD	Total Cost	Qty	Unit Cost	Total Cost	Qty	Unit Cost	Total Cost	Qty	Unit Cost
		\$000	Units	\$000	\$000	Units	\$000	\$000	Units	\$000
VSATs		232454	251	926	68404	224	305	16120	180	90
<b>Total:</b>		<b>232454</b>			<b>68404</b>			<b>16120</b>		

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

Date:  
May 2009

Appropriation/Budget Activity/Serial No: Other Procurement, Army/ 2/ Communications and Electronics Equipment		Weapon System Type:	P-1 Line Item Nomenclature: CSS SATCOM (BD3513)								
WBS Cost Elements:	Contractor and Location	Contract Method and Type	Location of PCO	Award Date	Date of First Delivery	QTY Units	Unit Cost \$000	Specs Avail Now?	Date Revsn Avail	RFP Issue Date	
<b>VSATs</b>											
FY 2008	VAR VAR	C/FP	CECOM, Ft Monmouth, NJ	Aug 08	Oct 08	251	926	YES	NO	NA	
FY 2009	VAR VAR	C/FP	TBD	Feb 09	Apr 09	224	305	YES	NO	NA	
FY 2010	TBD TBD	C/FP	TBD	Nov 09	TBD	180	90	YES	NO	NA	

REMARKS:

<b>Exhibit P-40, Budget Item Justification Sheet</b>	Date: May 2009
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Appropriation / Budget Activity / Serial No: Other Procurement, Army / 2 / Communications and Electronics Equipment	P-1 Item Nomenclature RESERVE COMPONENT AUTOMATION SYS (RCAS) (BE4167)
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Program Elements for Code B Items:	Code:	Other Related Program Elements:
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	Prior Years	FY 2008	FY 2009	FY 2010	To Complete	Total Prog
Proc Qty						
Gross Cost	1719.6	29.9	42.3	39.7	Continuing	Continuing
Less PY Adv Proc						
Plus CY Adv Proc						
Net Proc P1	1719.6	29.9	42.3	39.7	Continuing	Continuing
Initial Spares						
Total Proc Cost	1719.6	29.9	42.3	39.7	Continuing	Continuing
Flyaway U/C						
Weapon System Proc U/C					Continuing	Continuing

**Description:**  
The Reserve Component Automation System (RCAS) is an automated information system (AIS) that provides the capability to administer, manage, and mobilize the Army's Reserve Component(RC) forces more effectively. Specifically, RCAS supports the mobilization planning and unit administration functions of the Army National Guard (ARNG) and Army Reserve (USAR) by integrating commercial off-the-shelf (COTS) hardware and office automation (OA) software, Government off-the-shelf (GOTS) software, and developed functional software applications into a common operating environment (COE), personal computer (PC)-based architecture. Since completion of the infrastructure and functional capabilities, system acquisition has been focused on the effective and efficient sustainment of the fielded system and software applications. Variations between years are attributed to initial fielding and replacement schedules for infrastructure hardware and software.

Now fully operational, the RCAS is the Army's system of choice and record for all RC Commands mobilizing their citizen soldiers for disaster response, homeland security tasking, and overseas deployment. Established in response to a GAO Report on the Army Reserve Component's inability to provide timely and accurate mobilization data, the System now dramatically improves the Army's and the states' ability to organize, train, and equip their citizen soldiers, mobilize forces in half the historical time required, and provides resource visibility to state and federal agencies of all forces at home and abroad. RCAS has been successfully utilized in response to 9/11, Homeland Security missions, National Training exercises, Disaster Relief, and Operation Iraqi Freedom and Enduring Freedom.

**Justification:**  
FY 10 Base procurement dollars procures replacement of 20 percent of the RCAS hardware infrastructure, thus satisfying agency information technology mandates with respect to information assurance, net worthiness, server consolidation, and a common operating environment.

<b>Exhibit P-5, Weapon OPA2 Cost Analysis</b>		Appropriation/Budget Activity/Serial No: Other Procurement, Army / 2 / Communications and Electronics Equipment			P-1 Line Item Nomenclature: RESERVE COMPONENT AUTOMATION SYS (RCAS) (BE4167)			Weapon System Type:		Date: May 2009	
<b>OPA2 Cost Elements</b>		ID	<b>FY 08</b>			<b>FY 09</b>			<b>FY 10</b>		
		CD	Total Cost	Qty	Unit Cost	Total Cost	Qty	Unit Cost	Total Cost	Qty	Unit Cost
			\$000	Each	\$000	\$000	Each	\$000	\$000	Each	\$000
Life Cycle Replacement on Equipment		A	29920			42337			39675		
<b>Total:</b>			<b>29920</b>			<b>42337</b>			<b>39675</b>		

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

Date:  
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WBS Cost Elements:	Contractor and Location	Contract Method and Type	Location of PCO	Award Date	Date of First Delivery	QTY Each	Unit Cost \$000	Specs Avail Now?	Date Revsn Avail	RFP Issue Date
<b>PRODUCTION</b>										
FY 2008	SRA Fairfax, VA	IDIQ	Arlington, VA	Oct 07	Jan 08	1	15000	Yes	No	
FY 2008	SAIC (via FEDSIM) Arlington, VA	IDIQ	Alexandria, VA	May 08	Jun 08	1	14920	Yes	No	
FY 2009	SAIC (via FEDSIM) Arlington, VA	IDIQ	Alexandria, VA	Oct 08	Nov 08	1	42337	Yes	No	
FY 2010	SAIC (via FEDSIM) Arlington, VA	IDIQ	Alexandria, VA	Oct 09	TBD	1	39675	No	No	

REMARKS: A new Prime Contractor, Science Applications International Corporation (SAIC) was selected in May 2008. The split between the previous contractor and the new contractor allowed a transition period to occur.

<b>Exhibit P-40, Budget Item Justification Sheet</b>						Date: May 2009
Appropriation / Budget Activity / Serial No: Other Procurement, Army / 2 / Communications and Electronics Equipment				P-1 Item Nomenclature ITEMS LESS THAN \$5.0M (A/V) (BK5289)		
Program Elements for Code B Items:		Code:	Other Related Program Elements:			
	Prior Years	FY 2008	FY 2009	FY 2010	To Complete	Total Prog
Proc Qty						
Gross Cost	202.3	5.4	6.7	2.7	Continuing	Continuing
Less PY Adv Proc						
Plus CY Adv Proc						
Net Proc P1	202.3	5.4	6.7	2.7	Continuing	Continuing
Initial Spares						
Total Proc Cost	202.3	5.4	6.7	2.7	Continuing	Continuing
Flyaway U/C						
Weapon System Proc U/C					Continuing	Continuing
<b>Description:</b> MULTIMEDIA/VISUAL INFORMATION SYSTEMS PROGRAM (M/VISP): The M/VISP is a centrally managed program that supports Multimedia/Visual Information (M/VI) requirements. M/VISP initiatives enable restructuring and consolidation of assets to a network-centric workspace. This allows centralization and streamlining to reduce overall operating expenses while expanding services. The M/VISP is fielding the Garrison Visual Information Production System (G-VIPS). The G-VIPS replaces legacy analog equipment with digital equipment and comply with the Digital Television Transition and Public Safety Act of 2005. This Act requires all US class A and full broadcast power television stations to implement a phased transition from broadcasting in analog format to digital format by 17 February 2009. Costs for transitioning the Army systems are significant and will require several years at current funding levels to complete. Major manufacturers of professional Television and Audiovisual equipment will soon stop producing and supporting analog equipment. Failure to comply with the mandate will result in the Army's M/VI production format being incompatible with the new standard and prevent broadcasting of Army productions on National stations. This investment will provide equipment and systems for recording, producing, reproducing, processing, broadcasting, editing, distributing, exhibiting and storing multimedia/VI products, and services to comply with official requirements. These requirements include support for command and control, training, education, logistics, medical, personnel, special operations, engineers, public affairs, and intelligence to convey accurate information to the warfighter, decision-maker, and supporting organizations. VISP also supports video teleconferencing center procurement.						
<b>Justification:</b> FY 2010 procures Storage Area Networks (SANs), auto script teleprompters, digital video storage and retrieval, video distribution (V Brick encoder), digital photography, printing, digital graphics, fiber channel, Ethernet switching, broadcast equipment, high definition production systems, closed-circuit television (CCTV) broadcast systems, digital video editing systems, and media servers.						

<b>Exhibit P-5, Weapon OPA2 Cost Analysis</b>		Appropriation/Budget Activity/Serial No: Other Procurement, Army / 2 / Communications and Electronics Equipment			P-1 Line Item Nomenclature: ITEMS LESS THAN \$5.0M (A/V) (BK5289)			Weapon System Type:		Date: May 2009	
<b>OPA2 Cost Elements</b>		ID	<b>FY 08</b>			<b>FY 09</b>			<b>FY 10</b>		
		CD	Total Cost	Qty	Unit Cost	Total Cost	Qty	Unit Cost	Total Cost	Qty	Unit Cost
			\$000	Units	\$000	\$000	Units	\$000	\$000	Units	\$000
Multimedia/Visual Information Systems Program (M/VISP)		A	5401			6657			2709		
<b>Total:</b>			<b>5401</b>			<b>6657</b>			<b>2709</b>		



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

Date:  
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Appropriation/Budget Activity/Serial No: Other Procurement, Army/ 2/ Communications and Electronics Equipment	Weapon System Type:	P-1 Line Item Nomenclature: ITEMS LESS THAN \$5.0M (A/V) (BK5289)								
WBS Cost Elements:	Contractor and Location	Contract Method and Type	Location of PCO	Award Date	Date of First Delivery	QTY Units	Unit Cost \$000	Specs Avail Now?	Date Revsn Avail	RFP Issue Date
<b>Multimedia/Visual Information Systems Program (M/VISP)</b>										
FY 2008	Innovative Technologies Inc. Chantilly, VA	C/FP	DMC T-ASA, March ARB, CA	VAR	VAR			YES		
FY 2009	TBS	C/FP	DMC T-ASA, March ARB, CA	VAR	VAR			YES		
FY 2010	TBS	C/FP	TBS	VAR	VAR			NO		

REMARKS: All quantities and unit costs vary by configuration and site. VAR - Multiple contracts awarded/delivered throughout the year. M/VISP items are procured from contracts with a variety of manufacturers for various sites. DMC - Defense Media Center; T-ASA - Television-Audio Support Activity; ARB - Air Reserve Base

<b>Exhibit P-40, Budget Item Justification Sheet</b>						Date: May 2009
Appropriation / Budget Activity / Serial No: Other Procurement, Army / 2 / Communications and Electronics Equipment				P-1 Item Nomenclature ITEMS LESS THAN \$5M (SURVEYING EQUIPMENT) (BL5300)		
Program Elements for Code B Items:		Code:	Other Related Program Elements:			
	Prior Years	FY 2008	FY 2009	FY 2010	To Complete	Total Prog
Proc Qty						
Gross Cost	16.5	7.0	12.6	5.2	Continuing	Continuing
Less PY Adv Proc						
Plus CY Adv Proc						
Net Proc P1	16.5	7.0	12.6	5.2	Continuing	Continuing
Initial Spares						
Total Proc Cost	16.5	7.0	12.6	5.2	Continuing	Continuing
Flyaway U/C						
Weapon System Proc U/C					Continuing	Continuing
<b>Description:</b> This budget line supports the procurement and upgrade of the Automated Integrated Survey Instrument (AISI) (both Long and Short versions), Digital Levels. This equipment supports the survey mission of both the Topographic and Construction Engineer. Capabilities provided by this equipment enable engineers to establish the geodetic control necessary to support Artillery (e.g., placement of weapons platforms), Aviation (e.g., aircraft registration, safety surveys) and Topographic support. Additionally, this equipment supports Construction Engineering surveys (e.g., roads, buildings, logistics sites, staging areas, airfield construction). Software functionality, included as part of this procurement, allows the user to accomplish the design work necessary for site design and construction (e.g., materiel calculations, labor, resources).						
<b>Justification:</b> FY10 Base procurement dollars in the amount of \$5.172 million supports the procurement of Automated Integrated Survey Instrument (AISI) for Active Duty, National Guard, and Army Reserve units.						

Exhibit P-5, Weapon OPA2 Cost Analysis	Appropriation/Budget Activity/Serial No: Other Procurement, Army / 2 / Communications and Electronics Equipment	P-1 Line Item Nomenclature: ITEMS LESS THAN \$5M (SURVEYING EQUIPMENT) (BL5300)			Weapon System Type:	Date: May 2009					
OPA2 Cost Elements		ID	FY 08			FY 09			FY 10		
		CD	Total Cost	Qty	Unit Cost	Total Cost	Qty	Unit Cost	Total Cost	Qty	Unit Cost
			\$000	Units	\$000	\$000	Units	\$000	\$000	Units	\$000
<b>Hardware</b>											
AISI			2460	61	40	3000	75	40	4101	103	40
ENFIRE						8235	158	52			
<b>Hardware Total</b>			<b>2460</b>			<b>11235</b>			<b>4101</b>		
<b>Engineering Support</b>											
Design Engineering			2990								
Misc Out-of-House Engineering			200								
<b>Engineering Support Total</b>			<b>3190</b>								
<b>Fielding</b>											
Total Package Fielding			40			40					
New Equipment Training			266			280			71		
<b>Fielding Total</b>			<b>306</b>			<b>320</b>			<b>71</b>		
Project Management and Administration			281			221			200		
Matrix Support			800			800			800		
<b>Total</b>			<b>7037</b>			<b>12576</b>			<b>5172</b>		
<b>Total:</b>			<b>7037</b>			<b>12576</b>			<b>5172</b>		

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

Date: May 2009

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

P-1 Item Nomenclature  
WEAPONIZATION of UNMANNED AERIAL SYSTEM (UAS) (B10300)

Program Elements for Code B Items:

Code:

Other Related Program Elements:

	Prior Years	FY 2008	FY 2009	FY 2010	To Complete	Total Prog
Proc Qty						
Gross Cost	1.3	15.1	15.1			31.5
Less PY Adv Proc						
Plus CY Adv Proc						
Net Proc P1	1.3	15.1	15.1			31.5
Initial Spares						
Total Proc Cost	1.3	15.1	15.1			31.5
Flyaway U/C						
Weapon System Proc U/C						

**Description:**

Funds weaponization capabilities of Unmanned Aircraft Systems (UAS) for the Extended Range Multi-Purpose (ERMP) UAS. Effort includes procurement of launchers, cables and rails from PM JAMS and all other government support required for full scale integration.

**Justification:**

Program moved to APA in FY 2010.

<b>Exhibit P-5, Weapon OPA2 Cost Analysis</b>	Appropriation/Budget Activity/Serial No: Other Procurement, Army / 2 / Communications and Electronics Equipment	P-1 Line Item Nomenclature: WEAPONIZATION of UNMANNED AERIAL SYSTEM (UAS) (B10300)			Weapon System Type:	Date: May 2009					
<b>OPA2 Cost Elements</b>		ID	<b>FY 08</b>			<b>FY 09</b>			<b>FY 10</b>		
		CD	Total Cost	Qty	Unit Cost	Total Cost	Qty	Unit Cost	Total Cost	Qty	Unit Cost
			\$000	Units	\$000	\$000	Units	\$000	\$000	Units	\$000
<b>WEAPONIZATION</b> Weaponization Effort - OGA			15104			15079					
<b>Total:</b>			<b>15104</b>			<b>15079</b>					

<b>Exhibit P-40, Budget Item Justification Sheet</b>						Date: May 2009
Appropriation / Budget Activity / Serial No: Other Procurement, Army / 2 / Communications and Electronics Equipment				P-1 Item Nomenclature Items under \$5M (SSE) (BF4500)		
Program Elements for Code B Items:		Code:	Other Related Program Elements:			
	Prior Years	FY 2008	FY 2009	FY 2010	To Complete	Total Prog
Proc Qty						
Gross Cost	84.5	11.5	8.1			104.0
Less PY Adv Proc						
Plus CY Adv Proc						
Net Proc P1	84.5	11.5	8.1			104.0
Initial Spares						
Total Proc Cost	84.5	11.5	8.1			104.0
Flyaway U/C						
Weapon System Proc U/C						
<b>Description:</b> Space Support Enhancement Toolset (SSET) is a sustainment-only system of mounted and dismounted Government Off The Shelf (GOTS), or Commercial Off The Shelf (COTS) information and communication technologies such as space operations workstations, Space Applications Technology User Reachback Node (SATURN) communications suite, and other space operations tools that are fielded to the 1st Space Brigade units and Space Support staff sections at Theater Army, Corps, and Division echelons. Also known as Army Space Support Team - Tactical Set (ARSST-TS), these SSET technologies provide space operations capabilities that are migrating into the DCGS-A program.						
<b>Justification:</b> This program does not have any FY10 funding.						

<b>Exhibit P-40, Budget Item Justification Sheet</b>	Date: May 2009
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Appropriation / Budget Activity / Serial No: Other Procurement, Army / 2 / Communications and Electronics Equipment	P-1 Item Nomenclature PRODUCTION BASE SUPPORT (C-E) (BF5400)
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Program Elements for Code B Items:	Code:	Other Related Program Elements:
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	Prior Years	FY 2008	FY 2009	FY 2010	To Complete	Total Prog
Proc Qty						
Gross Cost	113.0	0.5	0.5	0.5	Continuing	Continuing
Less PY Adv Proc						
Plus CY Adv Proc						
Net Proc P1	113.0	0.5	0.5	0.5	Continuing	Continuing
Initial Spares						
Total Proc Cost	113.0	0.5	0.5	0.5	Continuing	Continuing
Flyaway U/C						
Weapon System Proc U/C					Continuing	Continuing

**Description:**  
The Army Test and Evaluation Command (ATEC), Developmental Test Command (DTC) establishes, modernizes, expands or replaces test facilities used in production testing of Communications and Electronic materiel. It sustains Army production test capabilities through upgrade and replacement of instrumentation and equipment that is technologically and/or economically obsolete. Modernization of test instrumentation and equipment provides increased automation and efficiencies, improved data quality and quantity and cost avoidances to Army Program Managers. Programmed funding will be used to upgrade or replace production test instrumentation and equipment at the Electronic Proving Ground (EPG), Fort Huachuca, AZ.

**Justification:**  
FY 2010 Base procurement dollars in the amount of \$0.518M procures instrumentation for the Instrumented Test Range which allows test officers and customers to collect data for post-test analysis and viewing test related information on the graphics workstation and displays in real-time status. Funding also procures state-of-the-art actual threat emitter systems and synthetic emitters with the capability of transmitting and receiving different radio signal modulations to provide true validated threat environments for testing of Intelligence and Electronic Warfare systems. Lastly, funding will replace 10 year old data collectors used to collect performance data from Global Positioning System (GPS) receivers installed in vehicles and from handheld units during field tests (current equipment is no longer supported by the manufacturer). The majority of the instrumentation being upgraded or replaced is obsolete and has met or exceeded its economic life. This instrumentation is required to ensure complete and accurate test data is collected and safety and environmental hazards are minimized. Benefits of this project include increased test efficiencies, decreased costs and risks to Army Program Managers.