

DEPARTMENT OF THE ARMY

Procurement Programs



Committee Staff Procurement Backup Book
Fiscal Year (FY) 2009 Global War on Terror Supplemental Request

OTHER PROCUREMENT, ARMY **Communications and Electronics**

Budget Activity 2

APPROPRIATION

February 2009

*** UNCLASSIFIED ***
DEPARTMENT OF THE ARMY
FY 2009 PROCUREMENT PROGRAM
FY 2009 GLOBAL WAR ON TERRORISM ESTIMATE

APPROPRIATION SUMMARY APPROPRIATION		DOLLARS IN THOUSANDS		
		FY09 GWOT Requirement	Enacted Bridge	FY09 Remaining GWOT Request
COMM - JOINT COMMUNICATIONS				
21	WIN-T- GROUND FORCES TACTICAL NETWORK (BW7100)	A 400,590	0	400,590
	SUB-ACTIVITY TOTAL	400,590	0	400,590
COMM - JOINT COMMUNICATIONS				
27	NAVSTAR GLOBAL POSITIONING SYSTEM (SPACE) (K47800)	5,800	0	5,800
30	GLOBAL BRDCST SVC - GBS (BC4120)	2,400	0	2,400
	SUB-ACTIVITY TOTAL	8,200	0	8,200
COMM - COMBAT COMMUNICATIONS				
35	SINGARS FAMILY (BW0006)	100,000	0	100,000
43	RADIO, IMPROVED HF (COTS) FAMILY (BU1800)	A 175,555	4,855	170,700
	SUB-ACTIVITY TOTAL	275,555	4,855	270,700
COMM - INFORMATION SECURITY				
46	TSEC - ARMY KEY MGT SYS (AKMS) (BA1201)	140		140
47	INFORMATION SYSTEM SECURITY PROGRAM-ISSP (TA0600)	A 110,332	0	110,332
	SUB-ACTIVITY TOTAL	110,472	0	110,472
COMM - LONG HAUL COMMUNICATIONS				
51	WW TECH CON IMP PROG (WWTCIP) (BU3610)	298,400	0	298,400
	SUB-ACTIVITY TOTAL	298,400	0	298,400

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FY 2009 GLOBAL WAR ON TERRORISM ESTIMATE

		DOLLARS IN THOUSANDS		
APPROPRIATION SUMMARY				FY09 Remaining
APPROPRIATION		FY09 GWOT Requirement	Enacted Bridge	GWOT Request
<i>COMM - BASE COMMUNICATIONS</i>				
52	INFORMATION SYSTEMS (BB8650)	100,120	0	100,120
	<i>SUB-ACTIVITY TOTAL</i>	<u>100,120</u>	<u>0</u>	<u>100,120</u>
<i>ELECT EQUIP - TACT INT REL ACT (TIARA)</i>				
58	ALL SOURCE ANALYSIS SYS (ASAS) (MIP) (KA4400)	B 21,200	0	21,200
61	TACTICAL UNMANNED AERIAL SYS (TUAS) MIP (B00301)	A 246,656	10	236,780
62	SMALL UNMANNED AERIAL SYSTEM (SUAS) (B00303)	A 27,547	0	27,547
67	TROJAN (MIP) (BA0326)	B 24,700	0	24,700
70	SEQUOYAH FOREIGN LANGUAGE TRANSLATION SYSTEM (B88605)	A 19,687	0	19,687
	<i>SUB-ACTIVITY TOTAL</i>	<u>339,790</u>	<u>10</u>	<u>329,914</u>
<i>ELECT EQUIP - ELECTRONIC WARFARE (EW)</i>				
72	LIGHTWEIGHT COUNTER MORTAR RADAR (B05201)	A 34,500	0	34,500
73	WARLOCK (VA8000)	354,500	0	354,500
74	COUNTERINTELLIGENCE/ SECURITY COUNTERMEASURES (BL5283)	<u>169,799</u>	<u>0</u>	<u>169,799</u>
	<i>SUB-ACTIVITY TOTAL</i>	<u>558,799</u>	<u>0</u>	<u>558,799</u>
<i>ELECT EQUIP - TACTICAL SURV. (TAC SURV)</i>				
77	NIGHT VISION DEVICES (KA3500)	A 122,500	40,000	82,500

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		DOLLARS IN THOUSANDS		
APPROPRIATION SUMMARY				FY09 Remaining
APPROPRIATION		FY09 GWOT Requirement	Enacted Bridge	GWOT Request
81	COUNTER-ROCKET, ARTILLERY & MORTAR (C-RAM) (BZ0526)	157,700	0	157,700
82	ARTILLERY ACCURACY EQUIP (AD3200)	4,500	0	4,500
85	PROFILER (K27900)	1,600	0	1,600
86	MOD OF IN-SVC EQUIP (Firefinder Radars) (BZ7325)	11,053	0	11,053
87	FORCE XXI BATTLE CMD BRIGADE & BELOW (FBCB2) (W61900)	135,000	0	135,000
195	BASE EXPEDITIONARY TARGETING AND SURV SYS (BETSS-C) (BZ6501)	280,500	0	280,500
	<i>SUB-ACTIVITY TOTAL</i>	<i>712,853</i>	<i>40,000</i>	<i>672,853</i>
<i>ELECT EQUIP - TACTICAL C2 SYSTEMS</i>				
95	FIRE SUPPORT C2 FAMILY (B28501)	10,800	0	10,800
98	AIR & MSL DEFENSE PLANNING & CONTROL SYS (AMD PCS) (AD5070)	3,932	0	3,932
99	KNIGHT FAMILY (B78504)	54,000	0	54,000
101	AUTOMATIC IDENTIFICATION TECHNOLOGHT (BZ8889)	3,000	0	3,000
102	TC AIMS II (BZ8900)	1,000	0	1,000
107	SINGLE ARMY LOGISTICS ENTERPRISE (SALE) (W10801)	4,900	0	4,900
108	Mounted Battle Command on the Move (MBCOTM) (BZ9970)	18,000	0	18,000

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		DOLLARS IN THOUSANDS		
APPROPRIATION SUMMARY				FY09 Remaining
APPROPRIATION		FY09 GWOT Requirement	Enacted Bridge	GWOT Request
	SUB-ACTIVITY TOTAL	95,632	0	95,632
	ELECT EQUIP - AUTOMATION			
111	AUTOMATED DATA PROCESSING EQUIP (BD3000)	72,856	0	72,856
112	CSS COMMUNICATIONS (BD3501)	48,254	0	48,254
	SUB-ACTIVITY TOTAL	121,110	0	121,110
	ACTIVITY TOTAL	3,021,521	44,865	2,966,790

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COUNTER-ROCKET, ARTILLERY & MORTAR (C-RAM)	BZ0526	081.....		108
CSS COMMUNICATIONS	BD3501	112.....		182
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FORCE XXI BATTLE CMD BRIGADE & BELOW (FBCB2)	W61900	087.....		124
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INFORMATION SYSTEMS	BB8650	052.....		47
Knight Family	B78504	099.....		136
LIGHTWEIGHT COUNTER MORTAR RADAR	B05201	072.....		81
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Exhibit P-1M, Procurement Programs - Modification Summary

<u>System/Modification</u>	<u>Prior Yrs.</u>	<u>2007</u>	<u>2008</u>	<u>2009</u>	<u>2010</u>	<u>2011</u>	<u>2012</u>	<u>2013</u>	<u>To</u> <u>Complete</u>	<u>Total</u> <u>Program</u>
MOD OF IN-SVC EQUIP (Firefinder Radars) (BZ7325)										
AN/TPQ-37 Reliability/Maintainability Improvements				11.1						11.1
Total				11.1						11.1
FORCE XXI BATTLE CMD BRIGADE & BELOW (FBCB2) (W61900)										
New Mod										
Total										
Grand Total				11.1						11.1

Exhibit P-40, Budget Item Justification Sheet								Date: February 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: A		Other Related Program Elements:																	
	Prior Years	FY 2007	FY 2008	FY 2009	FY 2010	FY 2011	FY 2012	FY 2013	To Complete	Total Prog												
Proc Qty																						
Gross Cost				400.6						400.6												
Less PY Adv Proc																						
Plus CY Adv Proc																						
Net Proc P1				400.6						400.6												
Initial Spares																						
Total Proc Cost				400.6						400.6												
Flyaway U/C																						
Weapon System Proc U/C																						
<p>Description: 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 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. The Defense Acquisition Executive (DAE), through the Nunn-McCurdy certification process, certified a restructured WIN-T program on June 5, 2007. The certification Acquisition Decision Memorandum (ADM) stated that the Army will restructure 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: Increment 1: Networking at-the-Halt Increment 2: Initial Networking on-the-Move; Research, Development, Test & Engineering (RDT&E) 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 Increment 3: Full Networking on-the-Move; full mobility to include Future Combat Systems (FCS) support Increment 4: Protected Satellite Communications (SATCOM) on-the-Move; Enhanced capability for protected SATCOM through techn insertions from High Capacity Communication Capability (HC3) ACUS Mods: Provides planned modifications, upgrades, and recapitalization for select long-haul transmission systems and data switches that support WIN-T increments.</p>																						
<p>Justification:</p> <table style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 30%;">OIF</td> <td style="width: 30%;">OEF</td> <td style="width: 40%;">Total</td> </tr> <tr> <td>FY09 2009 GWOT Requirement:</td> <td>320.354 Million</td> <td>80.236 Million 400.590 Million</td> </tr> <tr> <td>FY09 Bridge Enacted**:</td> <td>0.00 Million</td> <td>0.00 Million 0.00 Million</td> </tr> <tr> <td>FY09 Remaining GWOT Request:</td> <td>320.354 Million</td> <td>80.236 Million 400.590 Million</td> </tr> </table>											OIF	OEF	Total	FY09 2009 GWOT Requirement:	320.354 Million	80.236 Million 400.590 Million	FY09 Bridge Enacted**:	0.00 Million	0.00 Million 0.00 Million	FY09 Remaining GWOT Request:	320.354 Million	80.236 Million 400.590 Million
OIF	OEF	Total																				
FY09 2009 GWOT Requirement:	320.354 Million	80.236 Million 400.590 Million																				
FY09 Bridge Enacted**:	0.00 Million	0.00 Million 0.00 Million																				
FY09 Remaining GWOT Request:	320.354 Million	80.236 Million 400.590 Million																				

Exhibit P-40, Budget Item Justification Sheet								Date: <div style="text-align: right;">February 2009</div>		
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 2007	FY 2008	FY 2009	FY 2010	FY 2011	FY 2012	FY 2013	To Complete	Total Prog
Proc Qty										
Gross Cost				359.3						359.3
Less PY Adv Proc										
Plus CY Adv Proc										
Net Proc P1				359.3						359.3
Initial Spares										
Total Proc Cost				359.3						359.3
Flyaway U/C										
Weapon System Proc U/C										
<p>Description: Increment 1: Networking at-the-Halt The network is capable of passing unclassified and classified traffic levels, throughout its entire structure, from Home Station Operations Center to the furthest forward Battalion Elements. Designed to meet modularity and rapid deployment mandate, 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 and Department of Homeland Security.</p> <p>Justification: FY 09 Global War on Terror (GWOT) funds procures WIN-T Increment 1 equipment for one Regional Hub, 6 Brigade Combat Teams (BCTs), 3 Maneuver Enhancement Brigades (MEBs) and one Battlefield Surveillance Brigade (BFSB). 3 USASOC Hubs, TADDS upgrade to Increment 1B, Additional CPNs for round out and New sheleter for lot 1-9 to support uparmor.</p>										

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: INCREMENT 1 - NETWORKING AT THE HALT (BW7110)			Weapon System Type:		Date: February 2009				
	OPA2 Cost Elements			ID CD	FY 07 Total CostQtyUnit Cost		FY 08 Total CostQtyUnit Cost		FY 09 Total CostQtyUnit Cost				
					\$000	Each	\$000	\$000	Each	\$000	\$000	Each	\$000
FY 2009 Remaining GWOT Request													
Equipment											98842		
Network Operations											5740		
Engineering Support											3676		
Training											9004		
Fielding/Field Support Reps											13970		
Initial Spares											4891		
Program Management											11556		
Post Deployment Software Support											7871		
KA Capabililty											19450		
Lot 1-9 UpArmor (New Sheleters)											100702		
TADDS upgrade to Incr 1b											7000		
Additional CPNs for round out (qty 15)											15000		
3 USASOC Hub											61600		
Total:											359302		

Exhibit P-5a, Budget Procurement History and Planning										Date: February 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
HUB FY 2009		General Dynamics Duluth, GA		Comp/FFP	Ft. Monmouth, NJ	Aug 09	Jun 10	6		yes		Mar 07
JNN FY 2009		General Dynamics Taunton, MA		Comp/FFP	Ft. Monmouth, NJ	Aug 09	Jun 10	16		yes		Mar 07
BnCPN FY 2009		General Dynamics Taunton, MA		Comp/FFP	Ft. Monmouth, NJ	Aug 09	Jun 10	63		yes		Mar 07
REMARKS:												

Exhibit P-40, Budget Item Justification Sheet								Date: <div style="text-align: right;">February 2009</div>		
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 2007	FY 2008	FY 2009	FY 2010	FY 2011	FY 2012	FY 2013	To Complete	Total Prog
Proc Qty										
Gross Cost				41.3						41.3
Less PY Adv Proc										
Plus CY Adv Proc										
Net Proc P1				41.3						41.3
Initial Spares										
Total Proc Cost				41.3						41.3
Flyaway U/C										
Weapon System Proc U/C										
<p>Description: 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>As a part of the Bridge to Future Networks (BFN), 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 the Tactical Operations Center (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 the 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), the Secure Wireless LAN (SWLAN), and the High Mobility Digital Group Multiplexer Assemblage (HMDA), which provides 25 miles line-of-sight transmission and 12 miles of fiber optic range in conjunction with several radio terminals and repeaters.</p> <p>Justification: FY09 Global War on Terrorism (GWOT) funds 120 High Capacity Line of Sight (HCLOS) radios to support WIN-T Inc 1 fieldings and 94 additional BITS/BVTC for 3 Theater Command Posts, 3 USASOC Hubs, and 2nd Gen MTOE.</p>										

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: WIN-T - ACUS MODS (BW7130)			Weapon System Type:	Date: <div>February 2009</div>					
	OPA2 Cost Elements			ID CD	FY 07 Total CostQtyUnit Cost		FY 08 Total CostQtyUnit Cost		FY 09 Total CostQtyUnit Cost				
					\$000	Each	\$000	\$000	Each	\$000	\$000	Each	\$000
FY 2009 Remaining GWOT Request													
AN/TRC-190 Radio Terminal										8160	120	68	
AN/TYQ-122 (BITS/BVTC)										585	3	195	
AN/TYQ-122 (BITS/BVTC)-Retrofit										15698	94	167	
Other Hardware										13840			
Logisitics										3000			
Program Management										5			
Total:										41288			

Exhibit P-5a, Budget Procurement History and Planning										Date: February 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
AN/TRC-190 Radio Terminal FY 2009	Ultra Electronics (TRC-190) Quebec, Canada		C/IDIQ	Ft. Monmouth, NJ	Jul 09	Aug 10	120	68	Y		
AN/TYQ-122 (BITS/BVTC) FY 2009	S&TCD - BITS/BVTC Ft. Monmouth, NJ		C/IDIQ	Ft. Monmouth, NJ	Jul 09	Feb 10	3	195	Y		
AN/TYQ-122 (BITS/BVTC)-Retrofit FY 2009	S&TCD - BITS/BVTC Ft. Monmouth, NJ		C/IDIQ	Ft. Monmouth, NJ	Jul 09	Feb 10	94	167	Y		
REMARKS:											

M F R		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			
	Name - Location							1	Initial	0	3	
1	GDC4S-SSS Upgrade, Taunton, MA	1	2	2			Reorder	0	3	6	9	
2	Ultra Electronics (TRC-190), Quebec, Canada	1	10	80		2	Initial	0	3	12	15	
3	S&TCD - BITS/BVTC, Ft. Monmouth, NJ	1	14	14			Reorder	0	3	12	15	
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	
							Initial					
							Reorder					

[illegible]

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	GDC4S-SSS Upgrade, Taunton, MA	1	2	2		1	Initial	0	3	8	11	
							Reorder	0	3	6	9	
2	Ultra Electronics (TRC-190), Quebec, Canada	1	10	80		2	Initial	0	3	12	15	
3	S&TCD - BITS/BVTC, Ft. Monmouth, NJ	1	14	14			Reorder	0	3	12	15	
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	
							Initial					
							Reorder					

BW7100 (BW7130)

DRAFT

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Printed from the FY09 GWOT Submission

Exhibit P-21
Production Schedule

DRAFT

Exhibit P-40, Budget Item Justification Sheet								Date: <div style="text-align: right;">February 2009</div>																		
Appropriation / Budget Activity / Serial No: <small>Other Procurement, Army / 2 / Communications and Electronics Equipment</small>					P-1 Item Nomenclature <small>NAVSTAR GLOBAL POSITIONING SYSTEM (SPACE) (K47800)</small>																					
Program Elements for Code B Items:			Code:		Other Related Program Elements:																					
	Prior Years	FY 2007	FY 2008	FY 2009	FY 2010	FY 2011	FY 2012	FY 2013	To Complete	Total Prog																
Proc Qty				2203						2203																
Gross Cost				5.8						5.8																
Less PY Adv Proc																										
Plus CY Adv Proc																										
Net Proc P1				5.8						5.8																
Initial Spares																										
Total Proc Cost				5.8						5.8																
Flyaway U/C																										
Weapon System Proc U/C																										
<p>Description: The Navstar Global Positioning System (GPS) is a passive, space-based, radio positioning and navigation system providing precise, three-dimensional position, navigation, velocity and timing information to warfighters. The Navstar GPS program is designated as a DoD Space Program and the United States Air Force (USAF) is the executive service. The 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 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 (Defense Advanced GPS Receiver[DAGR]) and platform embedded (GPS Receiver Applications Module [GRAM] applications.) This program has been designated as a DoD Space Program.</p> <p>Justification: FY09 Global War on Terrorism (GWOT) request will fund procurement and Total Package Fielding of 2,203 DAGRs to support units deploying in FY10 to support Operation Enduring Freedom (OEF), and to support the GWOT.</p> <table style="width: 100%; margin-top: 20px;"> <tr> <td></td> <td style="text-align: center;">OIF</td> <td style="text-align: center;">OEF</td> <td style="text-align: center;">TOTAL:</td> </tr> <tr> <td>FY 2009 GWOT Requirement:</td> <td style="text-align: right;">\$0.00 Million</td> <td style="text-align: right;">\$5.80 Million</td> <td style="text-align: right;">\$5.80 Million</td> </tr> <tr> <td>FY 2009 Bridge Enacted**:</td> <td style="text-align: right;">\$0.00 Million</td> <td style="text-align: right;">\$0.00 Million</td> <td style="text-align: right;">\$0.00 Million</td> </tr> <tr> <td>FY 2009 Remaining GWOT Request:</td> <td style="text-align: right;">\$0.00 Million</td> <td style="text-align: right;">\$5.80 Million</td> <td style="text-align: right;">\$5.80 Million</td> </tr> </table>												OIF	OEF	TOTAL:	FY 2009 GWOT Requirement:	\$0.00 Million	\$5.80 Million	\$5.80 Million	FY 2009 Bridge Enacted**:	\$0.00 Million	\$0.00 Million	\$0.00 Million	FY 2009 Remaining GWOT Request:	\$0.00 Million	\$5.80 Million	\$5.80 Million
	OIF	OEF	TOTAL:																							
FY 2009 GWOT Requirement:	\$0.00 Million	\$5.80 Million	\$5.80 Million																							
FY 2009 Bridge Enacted**:	\$0.00 Million	\$0.00 Million	\$0.00 Million																							
FY 2009 Remaining GWOT Request:	\$0.00 Million	\$5.80 Million	\$5.80 Million																							

Exhibit P-5, Weapon OPA2 Cost Analysis	Appropriation/Budget Activity/Serial No: Other Procurement, Army / 2 / Communications and Electronics Equipment			P-1 Line Item Nomenclature: NAVSTAR GLOBAL POSITIONING SYSTEM (SPACE) (K47800)				Weapon System Type:		Date: February 2009		
OPA2 Cost Elements			ID	FY 07			FY 08			FY 09		
			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:												
DAGR Accessories									1394			
DAGR Acquisition												
FY08 GWOT DAGR Acquisition												
FY09 GWOT DAGR Acquisiton									4406	2203		2
PLGR Re-Utilization												
Software Support												
Total:									5800			

Exhibit P-5a, Budget Procurement History and Planning											Date: February 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
FY09 GWOT DAGR Acquisiton FY 2009			Rockwell Collins, Inc. Cedar Rapids, IA			FFP/ID/IQ	Cedar Rapids, IA		Jul 09	Dec 09	2203	2.0	Yes		
REMARKS:															

FY 09 / 10 BUDGET PRODUCTION SCHEDULE										P-1 ITEM NOMENCLATURE NAVSTAR GLOBAL POSITIONING SYSTEM (SPACE) (K47800)										Date: February 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	J U N	J U L	A U G	S E P		
FY09 GWOT DAGR Acquisiton																															
1	FY 09		2203	0	1835										A						183	183	183	183	183	184	184	184	184	184	368
																									</						

MFR		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	4	6	10		
1	Rockwell Collins, Inc., Cedar Rapids, IA	6000	42000	78000			Reorder	0	2	6	8	
							Initial					
							Reorder					
							Initial					
							Reorder					
							Initial					
							Reorder					
							Initial					
							Reorder					
							Initial					
							Reorder					

K47800

Item No. 27 Page 4 of 5

NAVSTAR GLOBAL POSITIONING SYSTEM (SPACE)

DRAFT

15

Printed from the FY09 GWOT Submission

Exhibit P-21

Production Schedule

DRAFT

Exhibit P-40, Budget Item Justification Sheet								Date: <div style="text-align: right;">February 2009</div>																		
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 2007	FY 2008	FY 2009	FY 2010	FY 2011	FY 2012	FY 2013	To Complete	Total Prog																
Proc Qty																										
Gross Cost				2.4						2.4																
Less PY Adv Proc																										
Plus CY Adv Proc																										
Net Proc P1				2.4						2.4																
Initial Spares																										
Total Proc Cost				2.4						2.4																
Flyaway U/C																										
Weapon System Proc U/C																										
<p>Description: Global Broadcast Service (GBS) is a Joint Program, designated as a Department of Defense Space System that 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.</p> <p>Justification: FY 2009 Global War on Terrorism (GWOT) funds 15 TGRS procurement, NET and fielding.</p> <table style="width: 100%; margin-top: 20px;"> <tr> <td></td> <td style="text-align: center;">OIF</td> <td style="text-align: center;">OEF</td> <td style="text-align: center;">Total</td> </tr> <tr> <td>FY 2009 GWOT Requirement:</td> <td style="text-align: right;">\$1.440 Million</td> <td style="text-align: right;">\$.960 Million</td> <td style="text-align: right;">\$2.400 Million</td> </tr> <tr> <td>FY 2009 Bridge Enacted**:</td> <td style="text-align: right;">\$0.000 Million</td> <td style="text-align: right;">\$0.000 Million</td> <td style="text-align: right;">\$0.000 Million</td> </tr> <tr> <td>FY 2009 Remaining GWOT Request:</td> <td style="text-align: right;">\$1.440 Million</td> <td style="text-align: right;">\$.960 Million</td> <td style="text-align: right;">\$2.400 Million</td> </tr> </table>												OIF	OEF	Total	FY 2009 GWOT Requirement:	\$1.440 Million	\$.960 Million	\$2.400 Million	FY 2009 Bridge Enacted**:	\$0.000 Million	\$0.000 Million	\$0.000 Million	FY 2009 Remaining GWOT Request:	\$1.440 Million	\$.960 Million	\$2.400 Million
	OIF	OEF	Total																							
FY 2009 GWOT Requirement:	\$1.440 Million	\$.960 Million	\$2.400 Million																							
FY 2009 Bridge Enacted**:	\$0.000 Million	\$0.000 Million	\$0.000 Million																							
FY 2009 Remaining GWOT Request:	\$1.440 Million	\$.960 Million	\$2.400 Million																							

Exhibit P-5, Weapon OPA2 Cost Analysis	Appropriation/Budget Activity/Serial No: Other Procurement, Army / 2 / Communications and Electronics Equipment		P-1 Line Item Nomenclature: GLOBAL BRDCST SVC - GBS (BC4120)			Weapon System Type:		Date: February 2009			
OPA2 Cost Elements		ID	FY 07			FY 08			FY 09		
		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
FY 2009 Remaining GWOT Request									1800	15	120
Transportable Ground Receive Suite									215		
GFE									385		
Fielding											
Total:									2400		

<div> <div>Exhibit P-5a, Budget Procurement History and Planning</div> <div>Date: February 2009</div> </div>											
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
FY 2009 Remaining GWOT Request Transportable Ground Receive Suite FY 2009	TBD TBD		TBD	TBD	Jul 09	Jan 10	15	120			
REMARKS:											

FY 09 / 10 BUDGET PRODUCTION SCHEDULE										P-1 ITEM NOMENCLATURE GLOBAL BRDCST SVC - GBS (BC4120)												Date: February 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	J U N	J U L	A U G	S E P				
GWOT TGRS																																	
1	FY 09	A		15	0	15									A								8	7								0	

Exhibit P-40, Budget Item Justification Sheet								Date: <div style="text-align: right;">February 2009</div>																		
Appropriation / Budget Activity / Serial No: <small>Other Procurement, Army / 2 / Communications and Electronics Equipment</small>					P-1 Item Nomenclature <small>SINGGARS FAMILY (BW0006)</small>																					
Program Elements for Code B Items:			Code:		Other Related Program Elements:																					
	Prior Years	FY 2007	FY 2008	FY 2009	FY 2010	FY 2011	FY 2012	FY 2013	To Complete	Total Prog																
Proc Qty																										
Gross Cost				100.0						100.0																
Less PY Adv Proc																										
Plus CY Adv Proc																										
Net Proc P1				100.0						100.0																
Initial Spares																										
Total Proc Cost				100.0						100.0																
Flyaway U/C																										
Weapon System Proc U/C																										
<p>Description: The Single Channel Ground and Airborne Radio System (SINGGARS) VHF-FM Radio Communications System provides the primary means of command and control for combat/combat support/combat service support units. The SINGGARS radio provides state-of-the-art communications in manpack, vehicle, and airborne configurations. Its Frequency-Hopping and jam resistant capabilities offset current threat jamming techniques. SINGGARS continues its evolutionary development with the fielding of the Advanced SINGGARS System Improvement Program (ASIP) radio. The SINGGARS ASIP radio provides for enhanced data and voice communications while using commercial Internet Protocols. The SINGGARS radio is an essential component of the Tactical Internet enabling commanders to conduct operations on the digitized battlefield. The family of SINGGARS radios is employed on such systems as the Bradley M2A3, PATRIOT, ABRAMS M1A2SEP, and the Longbow Apache.</p> <p>Justification: FY 2009 Global War on Terror (GWOT) procures 5,771 SINGGARS radios, provides Internet Controller (INC), Embedded Global Positioning System Receiver (EGR) and AN/GRM-122 software updates for near term enhanced capabilities in the field; Field service Representatives (FSR), Original Equipment Manufacturer (OEM) Engineering Support and field requisitions to meet Operational Needs Statement (ONS) surge requirement fieldings; Installation Kits to support the requirement for a radio on every vehicle as identified in RBCI/RBSA initiatives to support anti-fratricide and Joint Battle Command Platform (JBC-P) beaconing requirements for situational awareness; dual 50 watt power amplifier for the elimination of the auxiliary PA for space constraint vehicles; and implementation of airborne enhancements to match ground improvements for interoperability. These funds ensure SINGGARS immediate and long-term availability to meet United States Code (USC) Title 10-US Army Reserve (USAR) requirements and continued GWOT operations in support of Operation Enduring Freedom (OEF). Funds ensure vital joint and international combat operations and force protection missions have the minimum necessary ability to communicate rapidly, effectively and in a common interoperable communications spectrum. Funds also provide minimum necessary SINGGARS FSRs to ensure continuity of SINGGARS logistics and maintenance support of operational assets on the OEF battlefields.</p> <table style="width: 100%; margin-top: 20px;"> <tr> <td></td> <td style="text-align: center;">OIF</td> <td style="text-align: center;">OEF</td> <td style="text-align: center;">Total</td> </tr> <tr> <td>FY 2009 GWOT Requirement:</td> <td style="text-align: right;">\$0.000 Million</td> <td style="text-align: right;">\$100.000 Million</td> <td style="text-align: right;">\$100.000 Million</td> </tr> <tr> <td>FY 2009 Bridge Enacted**</td> <td style="text-align: right;">\$0.000 Million</td> <td style="text-align: right;">\$0.000 Million</td> <td style="text-align: right;">\$0.000 Million</td> </tr> <tr> <td>FY 2009 Remaining GWOT Request:</td> <td style="text-align: right;">\$0.000 Million</td> <td style="text-align: right;">\$100.000 Million</td> <td style="text-align: right;">\$100.000 Million</td> </tr> </table>												OIF	OEF	Total	FY 2009 GWOT Requirement:	\$0.000 Million	\$100.000 Million	\$100.000 Million	FY 2009 Bridge Enacted**	\$0.000 Million	\$0.000 Million	\$0.000 Million	FY 2009 Remaining GWOT Request:	\$0.000 Million	\$100.000 Million	\$100.000 Million
	OIF	OEF	Total																							
FY 2009 GWOT Requirement:	\$0.000 Million	\$100.000 Million	\$100.000 Million																							
FY 2009 Bridge Enacted**	\$0.000 Million	\$0.000 Million	\$0.000 Million																							
FY 2009 Remaining GWOT Request:	\$0.000 Million	\$100.000 Million	\$100.000 Million																							

Exhibit P-40, Budget Item Justification Sheet								Date: <div style="text-align: right;">February 2009</div>		
Appropriation / Budget Activity / Serial No: Other Procurement, Army / 2 / Communications and Electronics Equipment					P-1 Item Nomenclature SINGGARS - GROUND (B00500)					
Program Elements for Code B Items:			Code:		Other Related Program Elements:					
	Prior Years	FY 2007	FY 2008	FY 2009	FY 2010	FY 2011	FY 2012	FY 2013	To Complete	Total Prog
Proc Qty										
Gross Cost				100.0						100.0
Less PY Adv Proc										
Plus CY Adv Proc										
Net Proc P1				100.0						100.0
Initial Spares										
Total Proc Cost				100.0						100.0
Flyaway U/C										
Weapon System Proc U/C										
<p>Description: The Single Channel Ground and Airborne Radio System (SINGGARS) VHF-FM Radio Communications System provides the primary means of command and control for combat/combat support/combat service support units. The SINGGARS radio provides state-of-the-art communications in man pack, vehicle, and airborne configurations. Its Frequency-Hopping and jam resistant capabilities offset current threat jamming techniques. SINGGARS continues its evolutionary development with the fielding of the Advanced SINGGARS System Improvement Program (ASIP) radio. The SINGGARS ASIP radio provides for enhanced data and voice communications while using commercial Internet Protocols. The SINGGARS radio is an essential component of the Tactical Internet enabling commanders to conduct operations on the digitized battlefield. The family of SINGGARS radios is employed on such systems as the Bradley M2A3, PATRIOT, ABRAMS M1A2SEP, and the Longbow Apache.</p> <p>Justification: FY 2009 Global War on Terroism (GWOT) procures 5,771 SINGGARS radios, provides Internet Controller (INC), Embedded Global Positioning System Receiver (EGR) and AN/GRM-122 software updates for near term enhanced capabilities in the field; Field Service Representative (FSR), Original Equipment Manufacturer (OEM) Engineering Support and field requisitions to meet Operational Needs Statement (ONS) surge requirement fieldings; Installation kits to support the requirement for a radio on every vehicle as identified in RBCI/RBSA initiatives to support anti-fratricide and Joint Battle Command Platform (JBC-P) Chairman of the Joint Chiefs of Staff Instruction (CJCSI) beaconing requirements for situational awareness; 50 dual watt power amplifier for the elimination of the auxiliary PA for space constraint vehicles; and implementation of airborne enhancements to match ground improvements for interoperability. These funds ensure SINGGARS immediate and long-term availability to meet United States Code (USC) Title 10-US Army Reserve (USAR) requirements and continued GWOT operations in support of Operation Enduring Freedom (OEF). Funds ensure vital joint and international combat operations and force protection missions have the minimum necessary ability to communicate rapidly, effectively and in a common interoperable communications spectrum. Funds also provide minimum necessary SINGGARS FSRs to ensure continuity of SINGGARS logistics and maintenance support of operational assets on the OEF battlefields.</p>										

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: SINGGARS - GROUND (B00500)			Weapon System Type:		Date: February 2009	
OPA2 Cost Elements		ID	FY 07			FY 08			FY 09		
		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
FY 2009 Remaining GWOT Request HARDWARE- TBD (1) ENGINEERING OTHER HARDWARE SOFTWARE LOGISTICS (1) Hardware costs include the SINGGARS receiver transmitter, vehicular amplifier adapter and power amplifier. * Total:		A							63568	5771	11
									2700		
									21782		
									9500		
									2450		
									100000		

Exhibit P-5a, Budget Procurement History and Planning											Date: February 2009			
Appropriation/Budget Activity/Serial No: Other Procurement, Army/ 2/ Communications and Electronics Equipment				Weapon System Type:		P-1 Line Item Nomenclature: SINCGARS - GROUND (B00500)								
WBS Cost Elements:			Contractor and Location			Contract Method and Type	Location of PCO	Award Date	Date of First Delivery	QTY Each	Unit Cost \$000	Specs Avail Now?	Date Revsn Avail	RFP Issue Date
HARDWARE- TBD (1) FY 2009			TBS TBS			C/FFP	CECOM	Jul 09	Jul 10	5771	11	Yes		Dec 08
REMARKS:														

[illegible]

Exhibit P-40, Budget Item Justification Sheet								Date: <div style="text-align: right;">February 2009</div>		
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 2007	FY 2008	FY 2009	FY 2010	FY 2011	FY 2012	FY 2013	To Complete	Total Prog
Proc Qty										
Gross Cost				170.7						170.7
Less PY Adv Proc										
Plus CY Adv Proc										
Net Proc P1				170.7						170.7
Initial Spares										
Total Proc Cost				170.7						170.7
Flyaway U/C										
Weapon System Proc U/C										
<p>Description: Description: 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.</p> <p>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.</p> <p>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.</p> <p>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.</p> <p>Justification: FY2009 Global War on Terror (GWOT) funds 3050 AN/PRC-150 HF Radios and their ancillaries and support services.</p>										

Exhibit P-40, Budget Item Justification Sheet			Date: <div style="text-align: right; padding-right: 10px;">February 2009</div>																
Appropriation / Budget Activity / Serial No: <small>Other Procurement, Army / 2 / Communications and Electronics Equipment</small>		P-1 Item Nomenclature <small>RADIO, IMPROVED HF (COTS) FAMILY (BU8100)</small>																	
Program Elements for Code B Items:	Code:	Other Related Program Elements:																	
<table style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="width: 20%;"></th> <th style="width: 20%; text-align: right;">OIF</th> <th style="width: 20%; text-align: right;">OEF</th> <th style="width: 20%; text-align: right;">Total</th> </tr> </thead> <tbody> <tr> <td>FY 2009 GWOT Requirement:</td> <td style="text-align: right;">156.313 million</td> <td style="text-align: right;">19.242 million</td> <td style="text-align: right;">175.555 million</td> </tr> <tr> <td>FY 2009 Bridge Enacted**:</td> <td style="text-align: right;">2.913 million</td> <td style="text-align: right;">1.942 million</td> <td style="text-align: right;">4.855 million</td> </tr> <tr> <td>FY 2009 Remaining GWOT Request:</td> <td style="text-align: right;">153.400 million</td> <td style="text-align: right;">17.300 million</td> <td style="text-align: right;">170.700 million</td> </tr> </tbody> </table>					OIF	OEF	Total	FY 2009 GWOT Requirement:	156.313 million	19.242 million	175.555 million	FY 2009 Bridge Enacted**:	2.913 million	1.942 million	4.855 million	FY 2009 Remaining GWOT Request:	153.400 million	17.300 million	170.700 million
	OIF	OEF	Total																
FY 2009 GWOT Requirement:	156.313 million	19.242 million	175.555 million																
FY 2009 Bridge Enacted**:	2.913 million	1.942 million	4.855 million																
FY 2009 Remaining GWOT Request:	153.400 million	17.300 million	170.700 million																

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, IMPROVED HF (COTS) FAMILY (BU8100)			Weapon System Type:		Date: February 2009		
OPA2 Cost Elements		ID	FY 07			FY 08			FY 09		
		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
GWOT Request											
Improved HF Radios AN/PRC-150									158600	3050	52.0
Engineering Support/Training									12100		
Total:									170700		

Exhibit P-40, Budget Item Justification Sheet								Date: <div style="text-align: right;">February 2009</div>		
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 2007	FY 2008	FY 2009	FY 2010	FY 2011	FY 2012	FY 2013	To Complete	Total Prog
Proc Qty										
Gross Cost				170.7						170.7
Less PY Adv Proc										
Plus CY Adv Proc										
Net Proc P1				170.7						170.7
Initial Spares										
Total Proc Cost				170.7						170.7
Flyaway U/C										
Weapon System Proc U/C										
<p>Description: 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</p> <p>Justification: FY2009 Global War on Terror (GWOT) funds 3050 AN/PRC-150 HF Radios and their ancillaries and support services.</p>										

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: COTS Tactical Radios (B81803)			Weapon System Type:		Date: February 2009				
	OPA2 Cost Elements			ID CD	FY 07		FY 08			FY 09			
					Total Cost	Qty	Unit Cost	Total Cost	Qty	Unit Cost	Total Cost	Qty	Unit Cost
					\$000	Units	\$000	\$000	Units	\$000	\$000	Units	\$000
FY09 GWOT Request													
Imp. HF Radio , AN/PRC-150											158600	3050	52.0
Engineering Spt/Fielding/Training											12100		
Total:											170700		

Exhibit P-5a, Budget Procurement History and Planning											Date: February 2009	
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)							
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
Imp. HF Radio , AN/PRC-150 FY 2009		Harris Radio Rochester, NY		C/IDIQ	LCMC, Ft. Mon, NJ	Jul 09	Dec 09	3050	52.0	Y		
REMARKS:												

FY 09 / 10 BUDGET PRODUCTION SCHEDULE										P-1 ITEM NOMENCLATURE COTS Tactical Radios (B81803)										Date: February 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	J U N	J U L	A U G	S E P			
Imp. HF Radio , AN/PRC-150																																
I	FY 09	A	3050	0	3050										A						100	200	325	325	325	325	325	325	325	325	245	230
												</																				

MFR	Name - Location	PRODUCTION RATES			Reached D+	MFR		ADMIN LEAD TIME		MFR After 1 Oct	TOTAL After 1 Oct	REMARKS HF Radios will be procured from Harris Corp .
		MIN	1-8-5	MAX				Prior 1 Oct	After 1 Oct			
1	Harris Radio, Rochester, NY	100	350	500		1	Initial	0	10	15	25	
							Reorder	0	2	4	6	
							Initial					
							Reorder					
							Initial					
							Reorder					
							Initial					
							Reorder					
							Initial					
							Reorder					

Exhibit P-40, Budget Item Justification Sheet								Date: <div style="text-align: right;">February 2009</div>																		
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:			Code:		Other Related Program Elements:																					
	Prior Years	FY 2007	FY 2008	FY 2009	FY 2010	FY 2011	FY 2012	FY 2013	To Complete	Total Prog																
Proc Qty																										
Gross Cost				0.1						0.1																
Less PY Adv Proc																										
Plus CY Adv Proc																										
Net Proc P1				0.1						0.1																
Initial Spares																										
Total Proc Cost				0.1						0.1																
Flyaway U/C																										
Weapon System Proc U/C																										
<p>Description: Army Key Management System (AKMS) is the Army's system to automate the functions of Communications Security (COMSEC) key management control and distribution, Electronic Counter-Countermeasures (ECCM) generation and distribution and Signal Operation Instructions (SOI) management. AKMS 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.</p> <p>AKMS is part of the management/support infrastructure for the new Modular Army architecture, which provides critical functions for supporting Army's transformation.</p> <p>Justification: FY2009 Global War on Terrorism (GWOT) funds will procure 66 SKLs and the fielding/NET of the SKLs.</p> <table style="width: 100%; border-collapse: collapse;"> <tr> <td></td> <td style="text-align: center;">OIF</td> <td style="text-align: center;">OEF</td> <td style="text-align: center;">TOTAL</td> </tr> <tr> <td>FY09 GWOT Requirement:</td> <td style="text-align: right;">\$0.084 Million</td> <td style="text-align: right;">\$0.056 Million</td> <td style="text-align: right;">\$0.140 Million</td> </tr> <tr> <td>FY09 Bridge Enacted:</td> <td style="text-align: right;">\$0</td> <td style="text-align: right;">\$0</td> <td style="text-align: right;">\$0</td> </tr> <tr> <td>FY09 Remaining GWOT Request:</td> <td style="text-align: right;">\$0.084 Million</td> <td style="text-align: right;">\$0.056 Million</td> <td style="text-align: right;">\$0.140 Million</td> </tr> </table>												OIF	OEF	TOTAL	FY09 GWOT Requirement:	\$0.084 Million	\$0.056 Million	\$0.140 Million	FY09 Bridge Enacted:	\$0	\$0	\$0	FY09 Remaining GWOT Request:	\$0.084 Million	\$0.056 Million	\$0.140 Million
	OIF	OEF	TOTAL																							
FY09 GWOT Requirement:	\$0.084 Million	\$0.056 Million	\$0.140 Million																							
FY09 Bridge Enacted:	\$0	\$0	\$0																							
FY09 Remaining GWOT Request:	\$0.084 Million	\$0.056 Million	\$0.140 Million																							

Exhibit P-5, Weapon OPA2 Cost Analysis	Appropriation/Budget Activity/Serial No: Other Procurement, Army / 2 / Communications and Electronics Equipment			P-1 Line Item Nomenclature: TSEC - ARMY KEY MGT SYS (AKMS) (BA1201)			Weapon System Type:		Date: February 2009			
OPA2 Cost Elements			ID	FY 07			FY 08			FY 09		
			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
FY2009 Remaining GWOT												
Simple Key Loader HW									127	66	1.920	
Fielding/NET Current Systems									13			
Total:									140			

Exhibit P-5a, Budget Procurement History and Planning											Date: February 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
Simple Key Loader HW FY 2009 GWOT		Sierra Nevada Corp. Sparks, NV		IDIQ	Ft Monmouth Acquisition Center	Aug 09	Nov 09	66	1.920	y		
REMARKS:												

Exhibit P-40, Budget Item Justification Sheet								Date: <div style="text-align: right;">February 2009</div>		
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 2007	FY 2008	FY 2009	FY 2010	FY 2011	FY 2012	FY 2013	To Complete	Total Prog
Proc Qty										
Gross Cost				110.3						110.3
Less PY Adv Proc										
Plus CY Adv Proc										
Net Proc P1				110.3						110.3
Initial Spares										
Total Proc Cost				110.3						110.3
Flyaway U/C										
Weapon System Proc U/C										
<p>Description: 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>The Biometrics Task Force (BTF) leads Department of Defense (DoD) activities to program, integrate, and synchronize biometric technologies and capabilities and to operate and maintain DoD's authoritative biometric database to support the National Security Strategy. Biometrics (measurable physical and behavioral characteristics that enable the establishment and verification of an individual's identity), is a component within the Information System Security Program (ISSP). Army is the Executive Agent for DoD Biometrics; the BTF is the Executive Manager for executing these functions across the military Services and DoD agencies. Funding will be used to fill capability gaps and to ultimately acquire an interoperable family of biometric products. Efforts and initiatives include: Next Generation Automated Biometrics Identification System (NGA), an enterprise biometric system serving as the DoD's authoritative biometric repository; Defense Biometric Identification System (DBIDS) which uses biometric technology for base access; as a prototype, Identification-based Decision Processes to Enable Confident Transactions (IDProTECT) is the architecture and biometrics repository necessary for enrolling, storing, verifying, and matching biometric modalities of DoD military, civilians, and contractors; and finally, Joint Expeditionary Forensics Facility (JEFF) provides an expeditionary forensics capability to the warfighter to support all current and future physical battlefields/operational scenarios for combating terrorism worldwide.</p> <p>Justification: FY09 Global War on Terrorism (GWOT) funding procures a new generation of In-Line Encryptors (INE), and combined link/trunk encryptors that provide greater bandwidth and improved network security to support Warfighter information dominance. Also procures Simple Key Loader (SKL) to support and meet the increased demand for crypto key volume and emerging crypto systems which cannot be supported by current Data Transfer Device (DTD). Devices will be fielded to deploying and re-deploying units IAW established ARFORGEN priorities.</p> <p>FY 2009 GWOT funding enhances force protection and is needed to continue the procurement of biometric technologies that deny a criminal or adversary the ability to hide his true identity by stripping away anonymity with swift, accurate, and definitive identity verification. The efforts listed above (NGA, DBIDS, IDProTECT, and JEFF) serve as enablers to this capability. FY2009 GWOT will also</p>										

Exhibit P-40, Budget Item Justification Sheet		Date: <div style="text-align: right;">February 2009</div>																
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:																
<p>procure Biometric Automated Tool Sets and Biometrics Base Access Systems including Afghanistan.</p> <table style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="width: 20%;"></th> <th style="width: 20%; text-align: right;">OIF</th> <th style="width: 20%; text-align: right;">OEF</th> <th style="width: 20%; text-align: right;">Total</th> </tr> </thead> <tbody> <tr> <td>FY 2009 GWOT Requirement:</td> <td style="text-align: right;">\$51.079 million</td> <td style="text-align: right;">\$ 59.253 million</td> <td style="text-align: right;">\$110.332 million</td> </tr> <tr> <td>FY 2009 Bridge Enacted:</td> <td style="text-align: right;">\$ 0.000 million</td> <td style="text-align: right;">\$ 0.000 million</td> <td style="text-align: right;">\$ 0.000 million</td> </tr> <tr> <td>FY 2009 Remaining GWOT Request:</td> <td style="text-align: right;">\$51.079 million</td> <td style="text-align: right;">\$ 59.253 million</td> <td style="text-align: right;">\$110.332 million</td> </tr> </tbody> </table>				OIF	OEF	Total	FY 2009 GWOT Requirement:	\$51.079 million	\$ 59.253 million	\$110.332 million	FY 2009 Bridge Enacted:	\$ 0.000 million	\$ 0.000 million	\$ 0.000 million	FY 2009 Remaining GWOT Request:	\$51.079 million	\$ 59.253 million	\$110.332 million
	OIF	OEF	Total															
FY 2009 GWOT Requirement:	\$51.079 million	\$ 59.253 million	\$110.332 million															
FY 2009 Bridge Enacted:	\$ 0.000 million	\$ 0.000 million	\$ 0.000 million															
FY 2009 Remaining GWOT Request:	\$51.079 million	\$ 59.253 million	\$110.332 million															

Exhibit P-5, Weapon OPA2 Cost Analysis	Appropriation/Budget Activity/Serial No: Other Procurement, Army / 2 / Communications and Electronics Equipment			P-1 Line Item Nomenclature: INFORMATION SYSTEM SECURITY PROGRAM-ISSP (TA0600)			Weapon System Type:		Date: <div>February 2009</div>		
OPA2 Cost Elements		ID CD	FY 07 Total CostQtyUnit Cost			FY 08 Total CostQtyUnit Cost			FY 09 Total CostQtyUnit Cost		
			\$000	Each	\$000	\$000	Each	\$000	\$000	Each	\$000
FY 2009 GWOT Request											
IN-LINE ENCRYPTOR		A							6996	636	11.0
SECURE VOICE ENCRYPTOR		A							3000	500	6.0
LINK/TRUNK ENCRYPTOR		A							5000	625	8.0
SECURE TERMINAL EQUIPMENT		A							132	44	3.0
ELECTRONIC FILL DEVICE		A							14004	7002	2.0
BIOMETRICS-ABIS									31200		
BIOMETRICS-BTF									50000		
Total:									110332		

Exhibit P-5a, Budget Procurement History and Planning										Date: February 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
FY 2009 GWOT Request											
IN-LINE ENCRYPTOR											
FY 2009	NSA FORT MEADE, MD		IDIQ	NSA, Ft. Meade MD	Jul 09	Jul 10	636	11	YES		
SECURE VOICE ENCRYPTOR											
FY 2009	NSA FORT MEADE, MD		IDIQ	NSA, Ft. Meade MD	Jul 09	Jul 10	500	6	YES		
LINK/TRUNK ENCRYPTOR											
FY 2009	NSA FORT MEADE, MD		IDIQ	NSA, Ft. Meade MD	Jul 09	Jul 10	625	8	YES		
SECURE TERMINAL EQUIPMENT											
FY 2009	NSA FORT MEADE, MD		IDIQ	NSA, Ft. Meade MD	Jul 09	Jul 10	44	3	YES		
ELECTRONIC FILL DEVICE											
FY 2009	NSA FORT MEADE, MD		IDIQ	NSA, Ft. Meade MD	Jul 09	Jul 10	7002	2	YES		
REMARKS:											

FY 09 / 10 BUDGET PRODUCTION SCHEDULE										P-1 ITEM NOMENCLATURE INFORMATION SYSTEM SECURITY PROGRAM-ISSP (TA0600)										Date: February 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		J U N	J U L	A U G	S E P					
FY 2009 GWOT Request																																			
IN-LINE ENCRYPTOR																																			
3	FY 09	A	636	0	636										A																53	53	53	477	
SECURE VOICE ENCRYPTOR																																			
3	FY 09	A	500	0	500										A																42	42	42	374	
LINK/TRUNK ENCRYPTOR																																			
3	FY 09	A	625	0	625										A																52	52	52	469	
SECURE TERMINAL EQUIPMENT																																			
3	FY 09	A	44	0	44										A																3	4	4	33	
ELECTRONIC FILL DEVICE																																			
3	FY 09	A	7002	0	7002										A																583	583	583	5253	
Total			8807		8807																											733	734	734	6606
						O C T	N O V	D E C	J A N	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, NEEDHAM, MA					10	500	1800	6	1	Initial	0	3		12	15																		
											Reorder	0	3	12		15																			
	2	MYKOTRONX, INC, TORRANCE, CA					10	500	1800	6	2	Initial	0	3		12	15																		
											Reorder	0	3	12		15																			
	3	NSA, FORT MEADE, MD					10	500	1800	6	3	Initial	0	3		12	15																		
												Reorder	0	3		12	15																		
	4	HARRIS CORP, MELBOURNE, FL					10	500	1800	6	4	Initial	0	3		12	15																		
												Reorder	0	3		12	15																		
											Initial																								
											Reorder																								

FY 11 / 12 BUDGET PRODUCTION SCHEDULE										P-1 ITEM NOMENCLATURE INFORMATION SYSTEM SECURITY PROGRAM-ISSP (TA0600)										Date: February 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			
FY 2009 GWOT Request																																	
IN-LINE ENCRYPTOR																																	
3	FY 09	A	636	159	477	53	53	53	53	53	53	53	53	53																			0
SECURE VOICE ENCRYPTOR																																	
3	FY 09	A	500	126	374	42	42	41	41	41	41	42	42	42																			0
LINK/TRUNK ENCRYPTOR																																	
3	FY 09	A	625	156	469	52	52	52	52	53	52	52	52	52																			0
SECURE TERMINAL EQUIPMENT																																	
3	FY 09	A	44	11	33	4	4	4	4	4	4	3	3	3																			0
ELECTRONIC FILL DEVICE																																	
3	FY 09	A	7002	1749	5253	584	584	584	584	584	584	583	583	583																			0
Total			8807	2201	6606	735	735	734	734	735	734	733	733	733																			
						O C T	N O V	D E C	J A N	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, NEEDHAM, MA	10	500	1800	6	1	Initial	0	3	12	15	
							Reorder	0	3	12	15	
2	MYKOTRONX, INC, TORRANCE, CA	10	500	1800	6	2	Initial	0	3	12	15	
3	NSA, FORT MEADE, MD	10	500	1800	6		Reorder	0	3	12	15	
4	HARRIS CORP, MELBOURNE, FL	10	500	1800	6	3	Initial	0	3	12	15	
							Reorder	0	3	12	15	
						4	Initial	0	3	12	15	
							Reorder	0	3	12	15	
							Initial					
							Reorder					

Exhibit P-40, Budget Item Justification Sheet								Date: <div style="text-align: right;">February 2009</div>																		
Appropriation / Budget Activity / Serial No: <small>Other Procurement, Army / 2 / Communications and Electronics Equipment</small>					P-1 Item Nomenclature <small>WW TECH CON IMP PROG (WWTCIP) (BU3610)</small>																					
Program Elements for Code B Items:			Code:		Other Related Program Elements:																					
	Prior Years	FY 2007	FY 2008	FY 2009	FY 2010	FY 2011	FY 2012	FY 2013	To Complete	Total Prog																
Proc Qty																										
Gross Cost				298.4						298.4																
Less PY Adv Proc																										
Plus CY Adv Proc																										
Net Proc P1				298.4						298.4																
Initial Spares																										
Total Proc Cost				298.4						298.4																
Flyaway U/C																										
Weapon System Proc U/C																										
<p>Description: The World Wide Technical Control Improvement Program (WWTCIP) is a continuing program to initiate, improve, expand and automate Army Defense Information Systems Network (DISN) Technical Control Facilities (TCFs) and Patch and Test Facilities (PTFs) to enable technical control personnel to gain full use of communications resources to support the Warfighters and gain information dominance. The program provides alternating and direct current (DC) power, timing and synchronization equipment, line conditioning equipment, and automatic technical control, Voice Frequency (VF) tactical interface, Defense Communications Tri-Tac interface and appropriate test equipment with associated hardware. The program benefits all users of the DISN worldwide including tactical users who connect to the DISN for long haul communications requirements. The upgrades provide the end user faster response time, high quality voice, video and digital circuits, and greatly minimizes outages. Many of the present configurations and equipment can no longer support the warfighters requirements of voice, digital data, and Video Teleconference (VTC) requirements as well as Asynchronous Transfer Mode (ATM) technology and GigaBit Ethernet. The program is essential to correct these problems and to support ever-increasing high speed digital requirements of the tactical and strategic users with minimal personnel requirements. The program currently supports Combatant Commanders programs in Europe and the Pacific as well as the Continental United States (CONUS) Power Projection Bases and Defense Satellite Communications Systems.</p> <p>WWTCIP also provides improvements to US Forces Command, Control, Communications, Computers, and Intelligence (C4I) Infrastructure in Afghanistan and Kuwait.</p> <p>Justification: FY09 Global War on Terrorism (GWOT) funds will procure improvements to the C4I capacity, network and reach-back capability for US Forces in Kuwait, Afghanistan, other Southwest Asia locations as well as potential locations in the Pacific and Europe that directly support OEF or OIF. It funds transmission, switch, communications control, command/operations centers and other communications infrastructure.</p> <table style="width: 100%; margin-top: 10px;"> <tr> <td></td> <td style="text-align: center;">OIF</td> <td style="text-align: center;">OEF</td> <td style="text-align: center;">Total</td> </tr> <tr> <td>FY09 GWOT Requirement:</td> <td style="text-align: right;">\$000.000 Million</td> <td style="text-align: right;">\$298.400 Million</td> <td style="text-align: right;">\$298.400 Million</td> </tr> <tr> <td>FY09 Bridge Enacted:</td> <td style="text-align: right;">\$000.000 Million</td> <td style="text-align: right;">\$000.000 Million</td> <td style="text-align: right;">\$000.000 Million</td> </tr> <tr> <td>FY09 Remining GWOT Request:</td> <td style="text-align: right;">\$000.000 Million</td> <td style="text-align: right;">\$298.400 Million</td> <td style="text-align: right;">\$298.400 Million</td> </tr> </table>												OIF	OEF	Total	FY09 GWOT Requirement:	\$000.000 Million	\$298.400 Million	\$298.400 Million	FY09 Bridge Enacted:	\$000.000 Million	\$000.000 Million	\$000.000 Million	FY09 Remining GWOT Request:	\$000.000 Million	\$298.400 Million	\$298.400 Million
	OIF	OEF	Total																							
FY09 GWOT Requirement:	\$000.000 Million	\$298.400 Million	\$298.400 Million																							
FY09 Bridge Enacted:	\$000.000 Million	\$000.000 Million	\$000.000 Million																							
FY09 Remining GWOT Request:	\$000.000 Million	\$298.400 Million	\$298.400 Million																							

Exhibit P-5, Weapon OPA2 Cost Analysis												Appropriation/Budget Activity/Serial No: Other Procurement, Army / 2 / Communications and Electronics Equipment			P-1 Line Item Nomenclature: WW TECH CON IMP PROG (WWTCIP) (BU3610)			Weapon System Type:		Date: February 2009	
OPA2 Cost Elements									ID	FY 07			FY 08			FY 09					
									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			
GWOT C4I Commercialization																298400					
Total:																298400					

<div> <div>Exhibit P-5a, Budget Procurement History and Planning</div> <div>Date: February 2009</div> </div>											
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
GWOT C4I Commercialization FY 2009	Various Various		Var	Var	var	var			yes		
REMARKS:											

Exhibit P-40, Budget Item Justification Sheet								Date: <div style="text-align: right;">February 2009</div>																		
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 2007	FY 2008	FY 2009	FY 2010	FY 2011	FY 2012	FY 2013	To Complete	Total Prog																
Proc Qty																										
Gross Cost				100.1						100.1																
Less PY Adv Proc																										
Plus CY Adv Proc																										
Net Proc P1				100.1						100.1																
Initial Spares																										
Total Proc Cost				100.1						100.1																
Flyaway U/C																										
Weapon System Proc U/C																										
<p>Description: This program provides for improvement/modernization of Army base level voice, data and video networks worldwide. It encompasses nontactical telecommunications services in support of Army base operations, Army Knowledge Management (AKM) 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. This program also has the mission to field integrated, supportable information technology (IT) solutions for transformation in business processes which enables the Army to manage its infostructure as an enterprise. Information systems are installed in sync with Corps of Engineers construction schedules.</p> <p>Justification: FY 2009 Global War on Terrorism (GWOT) procures information systems requirements associated with approved MCA projects. Funding is applied to specific projects based upon mission priority, timing of construction schedules, beneficial occupancy dates (BOD) and minimum lead time required for acquisition and installation of associated information system equipment. New telephone switches and Local Area Network upgrades will be procured for all worldwide Army locations requiring new systems as validated by an engineering site survey.</p> <table style="width: 100%; margin-top: 20px;"> <tr> <td></td> <td style="text-align: right;">OIF</td> <td style="text-align: right;">OEF</td> <td style="text-align: right;">Total</td> </tr> <tr> <td>FY 2009 GWOT Requirement:</td> <td style="text-align: right;">\$30.800 Million</td> <td style="text-align: right;">\$69.320 Million</td> <td style="text-align: right;">\$100.120 Million</td> </tr> <tr> <td>FY 2009 Bridge Enacted**:</td> <td style="text-align: right;">\$0.000 Million</td> <td style="text-align: right;">\$0.000 Million</td> <td style="text-align: right;">\$0.000 Million</td> </tr> <tr> <td>FY 2009 Remaining GWOT Request:</td> <td style="text-align: right;">\$30.800 Million</td> <td style="text-align: right;">\$69.320 Million</td> <td style="text-align: right;">\$100.120 Million</td> </tr> </table>												OIF	OEF	Total	FY 2009 GWOT Requirement:	\$30.800 Million	\$69.320 Million	\$100.120 Million	FY 2009 Bridge Enacted**:	\$0.000 Million	\$0.000 Million	\$0.000 Million	FY 2009 Remaining GWOT Request:	\$30.800 Million	\$69.320 Million	\$100.120 Million
	OIF	OEF	Total																							
FY 2009 GWOT Requirement:	\$30.800 Million	\$69.320 Million	\$100.120 Million																							
FY 2009 Bridge Enacted**:	\$0.000 Million	\$0.000 Million	\$0.000 Million																							
FY 2009 Remaining GWOT Request:	\$30.800 Million	\$69.320 Million	\$100.120 Million																							

Exhibit P-5, Weapon OPA2 Cost Analysis	Appropriation/Budget Activity/Serial No: Other Procurement, Army / 2 / Communications and Electronics Equipment			P-1 Line Item Nomenclature: INFORMATION SYSTEMS (BB8650)				Weapon System Type:		Date: <div>February 2009</div>		
	OPA2 Cost Elements			ID CD	FY 07 Total CostQtyUnit Cost			FY 08 Total CostQtyUnit Cost			FY 09 Total CostQtyUnit Cost	
				\$000	Each	\$000	\$000	Each	\$000	\$000	Each	\$000
GWOT Information Systems (MCA Support)										100120		
Total:										100120		

Exhibit P-40, Budget Item Justification Sheet								Date: <div style="text-align: right;">February 2009</div>		
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 2007	FY 2008	FY 2009	FY 2010	FY 2011	FY 2012	FY 2013	To Complete	Total Prog
Proc Qty										
Gross Cost				100.1						100.1
Less PY Adv Proc										
Plus CY Adv Proc										
Net Proc P1				100.1						100.1
Initial Spares										
Total Proc Cost				100.1						100.1
Flyaway U/C										
Weapon System Proc U/C										
<p>Description: This program provides state-of-the-art major information system equipment such as integrated voice/data switches, Tier II computers (i.e., common user, multiple-purpose assets supporting Army installations and/or organizations), voice/data switch expansions, common user Local Area Network (LAN) transport equipment and basic telephone instruments. This equipment is installed in conjunction with the worldwide Military Construction, Army (MCA) Program projects. Specifically in FY09 there are several project types that will have extensive IT requirements, the Command Battle Centers, Advanced Individual Trainee Complex, SATCOM Operations Center, and Warrior in Transition Complexes.</p> <p>Justification: FY09 Global War on Terrorism (GWOT) funds will procure information systems requirements associated with approved MCA projects. Funding applies to specific projects based on mission priority, timing of constructions schedules, beneficial occupancy dates (BOD) and minimum lead time required for acquisition and installation of associated information system equipment. New telephone switches and Local Area Network upgrades will be procured for all Army locations requiring new systems as validated through an engineering site survey. These funds are essential to insure that information systems are installed in sync with Corps of Engineers construction schedules.</p>										

Exhibit P-5, Weapon OPA2 Cost Analysis	Appropriation/Budget Activity/Serial No: Other Procurement, Army / 2 / Communications and Electronics Equipment				P-1 Line Item Nomenclature: INFORMATION SYSTEMS (MCA SUPPORT) (BB1400)			Weapon System Type:		Date: February 2009				
	OPA2 Cost Elements				ID CD	FY 07 Total CostQtyUnit Cost			FY 08 Total CostQtyUnit Cost			FY 09 Total CostQtyUnit Cost		
						\$000	Each	\$000	\$000	Each	\$000	\$000	Each	\$000
GWOT														
Telephone Switch												27048	4	6762
Switch Upgrades												1000	4	250
Telephone System												1848	24	77
Engineering Svcs												4720	4720	1
LAN Transport System												6504	24	271
C2 Equipment												30000	6	5000
SIPRNET												4000	8	500
Range System Connectivity												25000	5	5000
Total:												100120		

Exhibit P-5a, Budget Procurement History and Planning										Date: February 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 \$000	Specs Avail Now?	Date Revsn Avail	RFP Issue Date
GWOT												
Telephone Switch												
FY 2009		IMOD/LTLCS/R2 Ft. Monmouth, NJ		C/FP	C-E LCMC, Ft Monmouth, NJ	Jan 09	Sep 09	4	6762	Yes		
Switch Upgrades												
FY 2009		IMOD/LTLCS/R2 Ft. Monmouth, NJ		C/FP	C-E LCMC, Ft Monmouth	Feb 09	Sep 09	4	250	Yes		
Telephone System												
FY 2009		IMOD/LTLCS/R2 Ft. Monmouth, NJ		C/FP	C-E LCMC, Ft Monmouth	Feb 09	May 09	24	77	Yes		
Engineering Svcs												
FY 2009		TEIS Ft Detrick, MD		C/FP	ISEC-FDED	Jul 09	Sep 09	4720	1	Yes		
LAN Transport System												
FY 2009		IMOD/LTLCS/R2 Ft. Monmouth, NJ		C/FP	C-E LCMC, Ft Monmouth	Feb 09	May 09	24	271	Yes		
C2 Equipment												
FY 2009		TEIS Ft. Huachuca, AZ		C/FP	Ft Huachuca, AZ	Jan 09	Aug 09	6	5000	Yes		
SIPRNET												
FY 2009		TEIS Ft Detrick, MD		C/Fp	Ft Huachuca, AZ	May 09	Aug 09	8	500	Yes		
Range System Connectivity												
FY 2009		IMOD/LTLCS/R2 Ft. Monmouth, NJ		C/FP	C-E LCMC, Ft Monmouth	Jan 09	Sep 09	5	5000	Yes		
REMARKS: CE-LCMC - Communication-Electronics Life Cycle Management Command ISEC - Information Systems engineering Command I3MP - Installation Information Infrastructure Modernization Program												

Exhibit P-40, Budget Item Justification Sheet								Date: February 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 2007	FY 2008	FY 2009	FY 2010	FY 2011	FY 2012	FY 2013	To Complete	Total Prog												
Proc Qty																						
Gross Cost				21.2						21.2												
Less PY Adv Proc																						
Plus CY Adv Proc																						
Net Proc P1				21.2						21.2												
Initial Spares																						
Total Proc Cost				21.2						21.2												
Flyaway U/C																						
Weapon System Proc U/C																						
<p>Description: The All Source Analysis System (ASAS) program is the flagship intelligence fusion system for the Army's Current Force. In FY07, to provide the Current Force advanced technologies under development for the Future Force, the Army began upgrading the ASAS Family of Systems (FoS) with technology insertions from the Distributed Common Ground System-Army (DCGS-A). The ASAS FoS provides U.S. Army commanders at all echelons from battalion to Army Service Component Command 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 product set currently includes: ASAS-Light (L) laptops, ASAS-L Intelligence Fusion Station (IFS) desktop computers, the shelterized, High Mobility Multipurpose Wheeled Vehicle (HMMWV)-mounted Analysis and Control Team-Enclave (ACT-E), and various Analysis and Control Element (ACE) configurations at Special Forces Group, Armored Cavalry Regiment, Division, Corps, and Military Intelligence Brigade. These ASAS systems will be configured to operate as integral components of the Army's Distributed Common Ground System-Army (DCGS-A) capability.</p> <p>Justification: FY 2009 Global War on Terror (GWOT) funds provide Natioanl Guard units deploying on OIF DCGS-A Version 3 (V3), four DCGS-A V3 configured Analysis and Control Team-Enclave (ACT-E) systems, 20 DCGS-A V3 configured Intelligence Fusion Systems (IFS), and 80 ASAS-Light systems configured as DCGS-A Multifunctional Workstations (MFWS). GWOT also funds 23 DCGS-A V3 configured ACT-E, 150 DCGS-A V3 configured IFS, and 877 ASAS-Light systems configured as DCGS-A Multifunctional Workstations (MFWS) for Active Component (AC) units. Migrating the ASAS Family of Systems to a DCGS-A configuration provides committed forces the best Intelligence, Surveillance and Reconnaissance (ISR) Tasking, Posting, Processing and Use (TPPU) capabilities available. FY09 GWOT funds will procure hardware for twenty-seven (27) ASAS ACT-Es; nine-hundred and fifty-seven (957) ASAS Lights; and one-hundred and seventy (170) ASAS IFSs. The ASAS hardware will be uploaded with DCGS-A software to provide DCGS-A capability in support of OEF/OIF.</p> <table style="width: 100%; border: none;"> <tr> <td></td> <td style="text-align: center;">OIF</td> <td style="text-align: center;">OEF</td> <td style="text-align: center;">TOTAL</td> </tr> <tr> <td>FY 2009 GWOT Requirement:</td> <td style="text-align: right;">\$21.2 Million</td> <td style="text-align: right;">\$0.0 Million</td> <td style="text-align: right;">\$21.2 Million</td> </tr> <tr> <td>FY 2009 Bridge Enacted:</td> <td style="text-align: right;">\$ 0.0 Million</td> <td style="text-align: right;">\$0.0 Million</td> <td style="text-align: right;">\$ 0.0 Million</td> </tr> </table>												OIF	OEF	TOTAL	FY 2009 GWOT Requirement:	\$21.2 Million	\$0.0 Million	\$21.2 Million	FY 2009 Bridge Enacted:	\$ 0.0 Million	\$0.0 Million	\$ 0.0 Million
	OIF	OEF	TOTAL																			
FY 2009 GWOT Requirement:	\$21.2 Million	\$0.0 Million	\$21.2 Million																			
FY 2009 Bridge Enacted:	\$ 0.0 Million	\$0.0 Million	\$ 0.0 Million																			

Exhibit P-40, Budget Item Justification Sheet				Date:	February 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:		
FY 2009 Remaining GWOT Request: \$21.2 Million \$0.0 Million \$21.2 Million					

Exhibit P-40, Budget Item Justification Sheet								Date: <div style="text-align: right;">February 2009</div>		
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 2007	FY 2008	FY 2009	FY 2010	FY 2011	FY 2012	FY 2013	To Complete	Total Prog
Proc Qty										
Gross Cost				21.2						21.2
Less PY Adv Proc										
Plus CY Adv Proc										
Net Proc P1				21.2						21.2
Initial Spares										
Total Proc Cost				21.2						21.2
Flyaway U/C										
Weapon System Proc U/C										
<p>Description: The All Source Analysis System (ASAS) program is the flagship intelligence fusion system for the Army's Current Force. In FY07, to provide the Current Force advanced technologies under development for the Future Force, the Army began upgrading the ASAS Family of Systems (FoS) with technology insertions from the Distributed Common Ground System-Army (DCGS-A). The ASAS FoS provides U.S. Army commanders at all echelons from battalion to Army Service Component Command 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 product set currently includes: ASAS-Light (L) laptops, ASAS-L Intelligence Fusion Station (IFS) desktop computers, the shelterized, High Mobility Multipurpose Wheeled Vehicle (HMMWV)-mounted Analysis and Control Team-Enclave (ACT-E), and various Analysis and Control Element (ACE) configurations at Special Forces Group, Armored Cavalry Regiment, Division, Corps, and Military Intelligence Brigade. These ASAS systems will be configured to operate as integral components of the Army's Distributed Common Ground System-Army (DCGS-A) capability.</p> <p>Justification: FY 2009 Global War on Terror (GWOT) funds provide National Guard units deploying on OIF DCGS-A Version 3 (V3), four DCGS-A V3 configured Analysis and Control Team-Enclave (ACT-E) systems, and 16 DCGS-A V3 configured Intelligence Fusion Systems (IFS). GWOT also funds 23 DCGS-A V3 configured ACT-E for Active Component (AC) units. Migrating the ASAS Family of Systems to a DCGS-A configuration provides committed forces the best Intelligence, Surveillance and Reconnaissance (ISR) Tasking, Posting, Processing and Use (TPPU) capabilities available.</p> <p>FY09 GWOT funds will procure hardware for twenty-seven (27) ASAS ACT-Es; and sixteen (16) ASAS IFSs.</p>										

Exhibit P-5, Weapon OPA2 Cost Analysis	Appropriation/Budget Activity/Serial No: Other Procurement, Army / 2 / Communications and Electronics Equipment				P-1 Line Item Nomenclature: ASAS - MODULES (MIP) (K28801)			Weapon System Type:		Date: <div>February 2009</div>			
	OPA2 Cost Elements				ID CD	FY 07 Total CostQtyUnit Cost			FY 08 Total CostQtyUnit Cost			FY 09 Total CostQtyUnit Cost	
					\$000	Each	\$000	\$000	Each	\$000	\$000	Each	\$000
FY 09 GWOT													
DCGS-A V3 configured IFS											938	16	59
DCGS-A V3 configured ACT-E											20262	27	750
Total:											21200		

<div> <div>Exhibit P-5a, Budget Procurement History and Planning</div> <div>Date: February 2009</div> </div>											
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
FY 09 GWOT DCGS-A V3 configured IFS FY 2009 DCGS-A V3 configured ACT-E FY 2009	General Dynamics Taunton,MA General Dynamics Taunton,MA		C/FFP C/FFP	Taunton, MA Taunton, MA	Aug 09 Aug 09	Nov 09 Nov 09	16 27	59 750	YES YES		
REMARKS: All equipment is Non-Developmental Item / Commercial Off The Shelf (NDI/COTS) purchased through PD Common Hardware Systems (CHS) or other Army activities. Cost and composition of ASAS unit sets vary because of unit mission, echelon assigned and the configuration of the hardware module procured.											

Exhibit P-40, Budget Item Justification Sheet								Date: <div style="text-align: right;">February 2009</div>		
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:					
	Prior Years	FY 2007	FY 2008	FY 2009	FY 2010	FY 2011	FY 2012	FY 2013	To Complete	Total Prog
Proc Qty										
Gross Cost				236.8						236.8
Less PY Adv Proc										
Plus CY Adv Proc										
Net Proc P1				236.8						236.8
Initial Spares										
Total Proc Cost				236.8						236.8
Flyaway U/C										
Weapon System Proc U/C										
<p>Description: The Tactical Unmanned Aerial Systems (TUAS) program includes the Shadow 200 System, Extended Range/Multipurpose ER/MP System and Advance TUAV Payload Joint Military Intelligence Programs (JMIP).</p> <p>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). Procurement of attrition air vehicles originated in FY 2001 and was re-established in FY 2006. 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, remote video terminals, 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 207,000 flight hours since June 2001 most of which were flown in support of Operation Iraqi Freedom and Operation Enduring Freedom.</p> <p>The Extended Range Multi-Purpose (ERMP) Unmanned Aircraft System (UAS) provides a much improved real-time responsive capability to conduct long-dwell, wide area reconnaissance, surveillance, target acquisition, communications relay, and attack missions (4 Hellfire missiles). ERMP addresses an ever-increasing demand for greater range, altitude, endurance and payload flexibility and allows for mission change while in flight. ERMP will be fielded as a system to a company level organization with one company being assigned to each of the 10 Army Divisions providing a capability that is responsive to the lowest level of command facilitating dynamic re-tasking. The ERMP system consists of 12 aircraft with Electro-Optical/Infrared, Synthetic Aperture Radar, and communications relay payloads, Ground equipment includes 5 Ground Control Stations, 5 Ground Data Terminals, 2 Portable Ground Control Stations, 2 Portable Ground Data Terminals, and other associated ground support equipment. The acquisition strategy has capitalized upon competitive forces, bringing cutting-edge improvements at the best cost and value that support the major thrusts of the DoD UAS Roadmap, and the imperatives of Army modernization and Army Aviation Transformation. The ERMP system includes a heavy fuel engine, endurance of 30 mission hours, Tactical Common Data Link (TCDL) technology, network connectivity that reduces information cycle time and enhances overall battlespace awareness through liberal dissemination, teaming with manned platforms, and steps toward integration of UAS into national and international airspace. ERMP has a 3,200 pound gross take off weight (with growth to 3,600 pounds), Fowler flaps which</p>										

Exhibit P-40, Budget Item Justification Sheet			Date: February 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>improves take-off and landing performance, Automatic Take-off and Landing (ATLS) and the flexibility to operate with or without SATECOM data links. The ERMP One System Ground Control Station (OSGCS) has the ability to operate multiple ERMP aircraft simultaneously and is interoperable with the Shadow UAS. With more weapons, payloads, and endurance than any other current system in its class, ERMP gives the Army the required capability defined by years of wartime experience and codified by the Joint Requirement Oversight Council (JROC).</p> <p>Advanced TUAV Payloads (B00302) budget line supports the procurement of the following payload systems: (1) The Synthetic Aperture Radar/ Ground Target Moving Indicator (SAR/GMTI) and (2) Extended Range Multi-Purpose (ER/MP) Electro Optical Infrared with Laser Designator (EO/IR/LD). 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 of the Army's Future Combat System (FCS) and is a principal payload for the ER/MP UAV. The ER/MP EO/IR/LD 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 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 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>Justification: FY 2009 Global War on Terrorism (GWOT) funds will procure two (2) Shadow Systems, One System Remote Video Terminals, Multi-Directional Antenna Systems and Preplanned Product Improvement (P3I) to support warfighters deploying into combat theaters.</p> <p>FY 2009 GWOT funds procures five (5) Tactical Signals Intelligence (SIGINT) Payloads, two (2) Electronic Attack and Sensing modules, Sky Warrior Quick Reaction Capability (QRC), Attrition Aircraft and Sky Warrior training, CLS to support warfighters deploying into combat theaters.</p> <p>FY 2009 GWOT funds will procure Sky Warrior Quick Reaction Capability (QRC), Attrition Aircraft and Sky Warrior training CLS to support warfighters deploying into combat theaters.</p> <p>**FY 2009 Enacted Bridge not included in the total in the above tab.</p> <table style="width: 100%; margin-top: 20px;"> <thead> <tr> <th></th> <th style="text-align: right;">OIF</th> <th style="text-align: right;">OEF</th> <th style="text-align: right;">TOTAL</th> </tr> </thead> <tbody> <tr> <td>FY 2009 GWOT Requirement:</td> <td style="text-align: right;">\$127.144 Million</td> <td style="text-align: right;">\$119.512 Million</td> <td style="text-align: right;">\$246.656 Million</td> </tr> <tr> <td>FY 2009 Bridge Enacted**:</td> <td style="text-align: right;">\$9.876 Million</td> <td style="text-align: right;">\$0.000 Million</td> <td style="text-align: right;">\$9.876 Million</td> </tr> <tr> <td>FY 2009 Remaining GWOT Request:</td> <td style="text-align: right;">\$117.268 Million</td> <td style="text-align: right;">\$119.512 Million</td> <td style="text-align: right;">\$236.780 Million</td> </tr> </tbody> </table>					OIF	OEF	TOTAL	FY 2009 GWOT Requirement:	\$127.144 Million	\$119.512 Million	\$246.656 Million	FY 2009 Bridge Enacted**:	\$9.876 Million	\$0.000 Million	\$9.876 Million	FY 2009 Remaining GWOT Request:	\$117.268 Million	\$119.512 Million	\$236.780 Million
	OIF	OEF	TOTAL																
FY 2009 GWOT Requirement:	\$127.144 Million	\$119.512 Million	\$246.656 Million																
FY 2009 Bridge Enacted**:	\$9.876 Million	\$0.000 Million	\$9.876 Million																
FY 2009 Remaining GWOT Request:	\$117.268 Million	\$119.512 Million	\$236.780 Million																

Exhibit P-40, Budget Item Justification Sheet								Date: <div style="text-align: right;">February 2009</div>		
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 2007	FY 2008	FY 2009	FY 2010	FY 2011	FY 2012	FY 2013	To Complete	Total Prog
Proc Qty										
Gross Cost				28.0						28.0
Less PY Adv Proc										
Plus CY Adv Proc										
Net Proc P1				28.0						28.0
Initial Spares										
Total Proc Cost				28.0						28.0
Flyaway U/C										
Weapon System Proc U/C										
<p>Description: The Tactical Signals Intelligence (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 payload is a complementary program to the Army's Future Combat System (FCS) and is a Threshold When Available/Government Furnished Equipment (GFE) payload for the ERMP UAV in Increment I.</p> <p>Electronic Attack and Sensing modules for use in an on-going UAV effort.</p> <p>Justification: FY2009 Global War on Terrorism (GWOT) funds procures five (5) production Tactical Signals Intelligence (SIGINT) Payloads (TSP). Delivery of these payloads will support the fielding schedule of the ER/MP UAV platform for QRC #2 in 3QFY10. In addition, FY 2009 (GWOT) procures two (2) Electronic Attack and Sensing modules for use in an on-going UAV effort. These procurements will support the warfighters deploying into combat theaters.</p>										

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: Advanced TUAS Payloads (MIP) (B00302)					Weapon System Type:		Date: February 2009		
	OPA2 Cost Elements		ID CD	FY 07 Total Cost Qty Unit Cost			FY 08 Total Cost Qty Unit Cost			FY 09 Total Cost Qty Unit Cost		
				\$000	Each	\$000	\$000	Each	\$000	\$000	Each	\$000
Tactical SIGINT Payload - GWOT												
TSP Hardware Contract									6500	5		1300
TSP First Article Test									900			
TSP Integration/Engineering Support									2600			
TSP System Test & Evaluation									1600			
TSP Initial Spares									1700			
TSP Training									750			
TSP Contractor Logistics Support/Manuals									250			
TSP Program Management									700			
Electronic Attack/Sensing Modules - GWOT												
Payload procurement									2000	2		1000
Payload Integration into UAV									6000			
Flight test & evaluation									2000			
Test & operation support									3000			
Total:									28000			

<div> <div>Exhibit P-5a, Budget Procurement History and Planning</div> <div>Date: February 2009</div> </div>											
Appropriation/Budget Activity/Serial No: Other Procurement, Army/ 2/ Communications and Electronics Equipment			Weapon System Type:		P-1 Line Item Nomenclature: Advanced TUAS Payloads (MIP) (B00302)						
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
TSP Hardware Contract FY 2009 Payload procurement FY 2009			FFP	CECOM	Aug 09	Feb 10	5	1300	no		
			FFP	CECOM	Aug 09	Apr 10	2	1000	no		
REMARKS:											

FY 09 / 10 BUDGET PRODUCTION SCHEDULE										P-1 ITEM NOMENCLATURE Advanced TUAS Payloads (MIP) (B00302)										Date: February 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	J U N	J U L	A U G	S E P		
TSP Hardware Contract																															
	FY 09	A		5	0	5										A							5								0
Payload procurement																															
	FY 09	A		2	0	2										A									2						0
																									</						

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	1	
1	TBS, TBS	6	24	48	9		Reorder	0	0	0	0	
							Initial					
							Reorder					
							Initial					
							Reorder					
							Initial					
							Reorder					
							Initial					
							Reorder					
							Initial					
							Reorder					

Exhibit P-40, Budget Item Justification Sheet								Date: <div style="text-align: right;">February 2009</div>		
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 2007	FY 2008	FY 2009	FY 2010	FY 2011	FY 2012	FY 2013	To Complete	Total Prog
Proc Qty				1						1
Gross Cost				120.9						120.9
Less PY Adv Proc										
Plus CY Adv Proc										
Net Proc P1				120.9						120.9
Initial Spares										
Total Proc Cost				120.9						120.9
Flyaway U/C										
Weapon System Proc U/C				120.9						120.9
<p>Description: The Extended Range Multi-Purpose (ERMP) Unmanned Aircraft System (UAS) provides a much improved real-time responsive capability to conduct long-dwell, wide area reconnaissance, surveillance, target acquisition, communications relay, and attack missions (4 Hellfire missiles). ERMP addresses an ever-increasing demand for greater range, altitude, endurance and payload flexibility and allows for mission change while in flight. ERMP will be fielded as a system to a company level organization with one company being assigned to each of the 10 Army Divisions providing a capability that is responsive to the lowest level of command facilitating dynamic re-tasking. The ERMP system consists of 12 aircraft with Electro-Optical/Infrared, Synthetic Aperture Radar, and communications relay payloads, Ground equipment includes 5 Ground Control Stations, 5 Ground Data Terminals, 2 Portable Ground Control Stations, 2 Portable Ground Data Terminals, and other associated ground support equipment. The acquisition strategy has capitalized upon competitive forces, bringing cutting-edge improvements at the best cost and value that support the major thrusts of the DoD UAS Roadmap, and the imperatives of Army modernization and Army Aviation Transformation. The ERMP system includes a heavy fuel engine, endurance of 30 mission hours, Tactical Common Data Link (TCDL) technology, network connectivity that reduces information cycle time and enhances overall battlespace awareness through liberal dissemination, teaming with manned platforms, and steps toward integration of UAS into national and international airspace. ERMP has a 3,200 pound gross take off weight (with growth to 3,600 pounds), Fowler flaps which improves take-off and landing performance, Automatic Take-off and Landing (ATLS) and the flexibility to operate with or without SATECOM data links. The ERMP One System Ground Control Station has the ability to operate multiple ERMP aircraft simultaneously and is interoperable with the Shadow UAS. With more weapons, payloads, and endurance than any other current system in its class, ERMP gives the Army the required capability defined by years of wartime experience and codified by the Joint Requirement Oversight Council (JROC).</p> <p>Justification: FY 2009 GWOT funds will procure Sky Warrior Quick Reaction Capability (QRC), Attrition Aircraft and Sky Warrior training CLS to support warfighters deploying into combat theaters.</p>										

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: Extended Range/Multi-Purpose (ER/MP) UAS (MIP) (B00305)				Weapon System Type:		Date: February 2009			
OPA2 Cost Elements			ID	FY 07			FY 08			FY 09		
			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
FY 2009 GWOT REQUEST												
QRC SET												
Aircraft										33192	6	5532
OSGCS										10926	3	3642
TCDL GDT										7041	3	2347
SATCOM GDT										1733	1	1733
TALS										928	1	928
GSE										1226	1	1226
TECH MANUALS										1250	1	1250
GFE										5804	1	5804
EO/IR										6600	6	1100
SAR										6300	6	1050
QRC TRAINING										5000	1	5000
Sub Total QRC										80000		

UASTB EQUIPMENT												
AIRCRAFT										11064	2	5532
OSGCS										10927	3	3642
TCDL GDT										4694	2	2347
SATCOM GDT										1733	1	1733
TALS										928	1	928
GFE										7230	1	7230
EO/IR										2200	2	1100
SAR										2100	2	1050
Sub Total UASTB										40876		
Total:										120876		

Exhibit P-5a, Budget Procurement History and Planning										Date: February 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
QRC SET FY 2009 GWOT	GENERAL ATOMICS/ASI SAN DIEGO, CA		SS/FPIF	GENERAL ATOMICS/ASI	Aug 09	Feb 11	1	80000	Y	N/A	N/A
UASTB EQUIPMENT FY 2009 GWOT	GENERAL ATOMICS/ASI SAN DIEGO, CA		SS/FPIF	GENERAL ATOMICS/ASI	TBD	TBD			N	TBD	TBD
REMARKS:											

Exhibit P-40, Budget Item Justification Sheet								Date: <div style="text-align: right;">February 2009</div>		
Appropriation / Budget Activity / Serial No: Other Procurement, Army / 2 / Communications and Electronics Equipment					P-1 Item Nomenclature SHADOW RQ-7A/B (TUAS) (MIP) (BA0330)					
Program Elements for Code B Items:			Code:		Other Related Program Elements: 0305204A - RDT&E					
	Prior Years	FY 2007	FY 2008	FY 2009	FY 2010	FY 2011	FY 2012	FY 2013	To Complete	Total Prog
Proc Qty				2						2
Gross Cost				87.9						87.9
Less PY Adv Proc										
Plus CY Adv Proc										
Net Proc P1				87.9						87.9
Initial Spares										
Total Proc Cost				87.9						87.9
Flyaway U/C										
Weapon System Proc U/C										
<p>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). Procurement of attrition air vehicles originated in FY 2001 and was re-established in FY 2006. 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, remote video terminals, 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 207,000 flight hours since June 2001 most of which were flown in support of Operation Iraqi Freedom and Operation Enduring Freedom.</p> <p>Justification: FY 2009 GWOT funds will procure two (2) Shadow Systems, One System Remote Video Terminals, Multi-Directional Antenna Systems and Preplanned Product Improvement (P3I) to support warfighters deploying into combat theaters.</p>										

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: SHADOW RQ-7A/B (TUAS) (MIP) (BA0330)				Weapon System Type:		Date: February 2009	
OPA2 Cost Elements		ID	FY 07			FY 08			FY 09		
		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
FY 2009 GWOT REQUEST											
Shadow Systems Hardware Cost									22800	2	11400
MSM									3467	2	1734
Inclement Weather									3970		
OSRVT									22880		
P3I (Preplanned Product Improvement)									29955		
Program Management									918		
Government Furnished Equipment									3914		
Total:									87904		

Exhibit P-5a, Budget Procurement History and Planning											Date: February 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
Shadow Systems Cost FY 2009		AAI Hunt Valley, MD		SS/FPIF	AMCOM	Aug 09	Aug 10	2	11400	Y	N/A	N/A
REMARKS:												

[illegible]

Exhibit P-40, Budget Item Justification Sheet								Date: <div style="text-align: right;">February 2009</div>																		
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 2007	FY 2008	FY 2009	FY 2010	FY 2011	FY 2012	FY 2013	To Complete	Total Prog																
Proc Qty				185						185																
Gross Cost				27.5						27.5																
Less PY Adv Proc																										
Plus CY Adv Proc																										
Net Proc P1				27.5						27.5																
Initial Spares																										
Total Proc Cost				27.5						27.5																
Flyaway U/C																										
Weapon System Proc U/C																										
<p>Description: The Small Unmanned Aircraft System (SUAS) program provides the ground maneuver battalions and below with unprecedented 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. Procured 203 SOCOM systems, 95 USMC Systems, and 64 Army Systems in FY07. Greater buy quantity resulted in price break and lower unit cost.</p> <p>Justification: FY 2009 Global War on Terrorism (GWOT) funds will procure 185 Small Unmanned Aircraft Systems (SUAS) and New Equipment Training to support warfighters deploying into combat theaters.</p> <table style="width: 100%; margin-top: 20px;"> <tr> <td></td> <td style="text-align: right;">OIF</td> <td style="text-align: right;">OEF</td> <td style="text-align: right;">TOTAL</td> </tr> <tr> <td>FY 2009 GWOT Requirement:</td> <td style="text-align: right;">\$16.528 Million</td> <td style="text-align: right;">\$11.019 Million</td> <td style="text-align: right;">\$27.547 Million</td> </tr> <tr> <td>FY 2009 Bridge Enacted**:</td> <td style="text-align: right;">\$0.000 Million</td> <td style="text-align: right;">\$0.000 Million</td> <td style="text-align: right;">\$0.000 Million</td> </tr> <tr> <td>FY 2009 Remaining GWOT Request:</td> <td style="text-align: right;">\$16.528 Million</td> <td style="text-align: right;">\$11.019 Million</td> <td style="text-align: right;">\$27.547 Million</td> </tr> </table>												OIF	OEF	TOTAL	FY 2009 GWOT Requirement:	\$16.528 Million	\$11.019 Million	\$27.547 Million	FY 2009 Bridge Enacted**:	\$0.000 Million	\$0.000 Million	\$0.000 Million	FY 2009 Remaining GWOT Request:	\$16.528 Million	\$11.019 Million	\$27.547 Million
	OIF	OEF	TOTAL																							
FY 2009 GWOT Requirement:	\$16.528 Million	\$11.019 Million	\$27.547 Million																							
FY 2009 Bridge Enacted**:	\$0.000 Million	\$0.000 Million	\$0.000 Million																							
FY 2009 Remaining GWOT Request:	\$16.528 Million	\$11.019 Million	\$27.547 Million																							

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: February 2009		
OPA2 Cost Elements		ID	FY 07			FY 08			FY 09		
		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
FY 2009 GWOT REQUEST											
Small Systems Hardware Cost									23495	185	127
Program Management									232		
System Test & Evaluation									106		
Fielding									1600		
Spares											
Data									52		
Logistics Support											
ECP / Mods											
GOVERNMENT											
Government Furnished Equipment									1435		
Program Management									200		
Fielding									427		
Total:									27547		

Exhibit P-5a, Budget Procurement History and Planning											Date: February 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
FY 2009 GWOT REQUEST FY 2009 GWOT			AERO VIRONMENT SIMI VALLEY, CA			FFP/CPF	AMCOM		Jun 09	Sep 09	185	127	Y	N/A	N/A
REMARKS: SUAS procures COTS.															

Exhibit P-40, Budget Item Justification Sheet								Date: <div style="text-align: right;">February 2009</div>		
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 2007	FY 2008	FY 2009	FY 2010	FY 2011	FY 2012	FY 2013	To Complete	Total Prog
Proc Qty										
Gross Cost				24.7						24.7
Less PY Adv Proc										
Plus CY Adv Proc										
Net Proc P1				24.7						24.7
Initial Spares										
Total Proc Cost				24.7						24.7
Flyaway U/C										
Weapon System Proc U/C										
<p>Description: TROJAN, as an Army Intelligence system, has been providing a direct support and an operational readiness capability to warfighters since 1985. TROJAN exists to provide value added to the tactical commander with remote access to signal environments, in order to maintain a high state of operational readiness and enhance the training and sustainment of highly perishable intelligence skills. Additionally, the TROJAN architecture provides the infrastructure enabling split-based and force protection operations in direct support of the warfighter.</p> <p>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 commanders' priority intelligence requirements. In addition, TCXII will continue its role as an operational readiness system, while also supporting commanders' intelligence requirements across the spectrum of conflict.</p> <p>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.</p> <p>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.</p> <p>Justification: FY 2009 Global War on Terrorism (GWOT) funds will support technology refresh for Trojan mobile and fixed systems including Trojan Classic XXI and Trojan Spirit Terminals. This will provide and enhance Trojan capabilities to warfighters deploying into combat theaters.</p>										

Exhibit P-40, Budget Item Justification Sheet			Date: <div style="text-align: right; padding-right: 10px;">February 2009</div>																
Appropriation / Budget Activity / Serial No: <small>Other Procurement, Army / 2 / Communications and Electronics Equipment</small>		P-1 Item Nomenclature <small>TROJAN (MIP) (BA0326)</small>																	
Program Elements for Code B Items:	Code:	Other Related Program Elements:																	
<table style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="width: 20%;"></th> <th style="width: 20%; text-align: right;">OIF</th> <th style="width: 20%; text-align: right;">OEF</th> <th style="width: 20%; text-align: right;">Total</th> </tr> </thead> <tbody> <tr> <td>FY09 GWOT Requirement:</td> <td style="text-align: right;">\$14.820 million</td> <td style="text-align: right;">\$9.880 million</td> <td style="text-align: right;">\$24.700 million</td> </tr> <tr> <td>FY09 Bridge Enacted:</td> <td style="text-align: right;">\$00.000 million</td> <td style="text-align: right;">\$0.000 million</td> <td style="text-align: right;">\$00.000 million</td> </tr> <tr> <td>FY09 Remaining GWOT Request</td> <td style="text-align: right;">\$14.820 million</td> <td style="text-align: right;">\$9.880 million</td> <td style="text-align: right;">\$24.700 million</td> </tr> </tbody> </table>					OIF	OEF	Total	FY09 GWOT Requirement:	\$14.820 million	\$9.880 million	\$24.700 million	FY09 Bridge Enacted:	\$00.000 million	\$0.000 million	\$00.000 million	FY09 Remaining GWOT Request	\$14.820 million	\$9.880 million	\$24.700 million
	OIF	OEF	Total																
FY09 GWOT Requirement:	\$14.820 million	\$9.880 million	\$24.700 million																
FY09 Bridge Enacted:	\$00.000 million	\$0.000 million	\$00.000 million																
FY09 Remaining GWOT Request	\$14.820 million	\$9.880 million	\$24.700 million																

Exhibit P-5, Weapon OPA2 Cost Analysis												Appropriation/Budget Activity/Serial No: Other Procurement, Army / 2 / Communications and Electronics Equipment			P-1 Line Item Nomenclature: TROJAN (MIP) (BA0326)				Weapon System Type:		Date: February 2009	
OPA2 Cost Elements								ID	FY 07				FY 08			FY 09						
								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		
FY 2009 GWOT Request																	4100					
TROJAN CLASSIC XXI Refresh																	20600					
TS LITE Hardward Refresh																						
Total:																	24700					

Exhibit P-40, Budget Item Justification Sheet								Date: <div style="text-align: right;">February 2009</div>																		
Appropriation / Budget Activity / Serial No: <small>Other Procurement, Army / 2 / Communications and Electronics Equipment</small>					P-1 Item Nomenclature <small>SEQUOYAH FOREIGN LANGUAGE TRANSLATION SYSTEM (B88605)</small>																					
Program Elements for Code B Items:			Code:		Other Related Program Elements:																					
	Prior Years	FY 2007	FY 2008	FY 2009	FY 2010	FY 2011	FY 2012	FY 2013	To Complete	Total Prog																
Proc Qty				2923						2923																
Gross Cost				19.7						19.7																
Less PY Adv Proc																										
Plus CY Adv Proc																										
Net Proc P1				19.7						19.7																
Initial Spares																										
Total Proc Cost				19.7						19.7																
Flyaway U/C																										
Weapon System Proc U/C				0.0						0.0																
<p>Description: The mission of Sequoyah is to produce automated products that provide accurate and timely one way Speech to Speech, two way Speech to Speech, Text to Text, and Foreign Media Monitoring capabilities to the warfighter at all echelons. These products, in stand alone or integrated form, will be used to augment the critical shortage of translators in the current and future regions of the world where English is not spoken. These foreign language translation systems provide language translation capabilities. There are 225 strategically relevant languages and not enough translators, interpreters or linguists to meet our National Defense Policy's needs. These systems support all phases of joint, interagency, multi-national, and homeland security operations from planning and initial entry through re-deployment. Sequoyah Language Translation Products will be the Department of Defense's provider of Automated Foreign Language Translation Products and is an integral part of Army Transformation, providing translation product to systems that include the Future Combat System (FCS), Distributed Common Ground System (DCGS), Ground Solder System (GSS) and the Joint Command and Control (JC2) as well as other Army and joint programs. These systems enable our warfighters to communicate with the native population, which, until now, was not possible due to the lack of availability of linguists or trusted translators. Variant of the products include Wed-Enabled: Provides speech, text, and broadcast translation support to Brigade and Battalion elements with assured network connectivity; Mobile: Provides speech and text translation support as modules for computers (laptops, PDAs, etc.) which do not have consistent network connectivity. The Portable variant provides speech and text translation support as modules for computers(laptops,PDAs,etc.) which do not have consistent network connectivity; Portable: Provides speech and text translation support as modules (and hardware/software systems where required) for handheld/wearable computer systems. The products are being developed in a language prioritized approach, to include the immediate deployment of systems that meet threshold warfighter needs.</p> <p>Justification: FY2009 Global War On Terrorism (GWOT) funds will procure 2,319 systems with automated Two Way Speech to Speech (2WS2S), Server Based Foreign Media Monitoring System, and Server Based Text to Text System to provide automated Foreign Language translation capabilities to warfighters deploying into combat theaters.</p> <table style="width: 100%; margin-top: 10px;"> <tr> <td style="width: 33%;"></td> <td style="width: 33%; text-align: center;">OIF</td> <td style="width: 33%; text-align: center;">OEF</td> <td style="width: 33%; text-align: center;">Total</td> </tr> <tr> <td>FY09 GWOT Requirement:</td> <td style="text-align: right;">\$7.875 Million</td> <td style="text-align: right;">\$11.812 Million</td> <td style="text-align: right;">\$19.687 Million</td> </tr> <tr> <td>FY09 Bridge Enacted**</td> <td style="text-align: right;">00 Million</td> <td style="text-align: right;">00 Million</td> <td style="text-align: right;">00 Million</td> </tr> <tr> <td>FY09 Remaining GWOT</td> <td style="text-align: right;">\$7.875 Million</td> <td style="text-align: right;">\$11.812 Million</td> <td style="text-align: right;">\$19.687 Million</td> </tr> </table>												OIF	OEF	Total	FY09 GWOT Requirement:	\$7.875 Million	\$11.812 Million	\$19.687 Million	FY09 Bridge Enacted**	00 Million	00 Million	00 Million	FY09 Remaining GWOT	\$7.875 Million	\$11.812 Million	\$19.687 Million
	OIF	OEF	Total																							
FY09 GWOT Requirement:	\$7.875 Million	\$11.812 Million	\$19.687 Million																							
FY09 Bridge Enacted**	00 Million	00 Million	00 Million																							
FY09 Remaining GWOT	\$7.875 Million	\$11.812 Million	\$19.687 Million																							

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: February 2009		
OPA2 Cost Elements		ID	FY 07			FY 08			FY 09		
		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
FY09 GWOT											
Two Way S2S Trans Sys - HH/PC									13254	2305	6
Server Based Text to Text Trans									1800	6	300
Server Based Foreign Media Monit									2400	8	300
Testing									680		
Training									820		
Fielding									373		
Program Management									360		
Total:									19687		

Exhibit P-40, Budget Item Justification Sheet								Date: <div style="text-align: right;">February 2009</div>																		
Appropriation / Budget Activity / Serial No: Other Procurement, Army / 2 / Communications and Electronics Equipment					P-1 Item Nomenclature LIGHTWEIGHT COUNTER MORTAR RADAR (B05201)																					
Program Elements for Code B Items: PE 0604823A L86			Code: B		Other Related Program Elements:																					
	Prior Years	FY 2007	FY 2008	FY 2009	FY 2010	FY 2011	FY 2012	FY 2013	To Complete	Total Prog																
Proc Qty																										
Gross Cost				34.5						34.5																
Less PY Adv Proc																										
Plus CY Adv Proc																										
Net Proc P1				34.5						34.5																
Initial Spares																										
Total Proc Cost				34.5						34.5																
Flyaway U/C																										
Weapon System Proc U/C																										
<p>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).</p> <p>Justification: FY09 Global War on Terrorism (GWOT)funds will procure 43 AN/TPQ-48(V)3 systems to support Army's OIF/OEF requirements.</p> <table style="width: 100%; border: none;"> <tr> <td></td> <td style="text-align: center;">OIF</td> <td style="text-align: center;">OEF</td> <td style="text-align: center;">TOTAL</td> </tr> <tr> <td>FY 2009 GWOT Requirement:</td> <td style="text-align: right;">\$20.700 Million</td> <td style="text-align: right;">\$13.800 Million</td> <td style="text-align: right;">\$34.500 Million</td> </tr> <tr> <td>FY 2009 Bridge Enacted**:</td> <td style="text-align: right;">\$ 0.000 Million</td> <td style="text-align: right;">\$ 0.000 Million</td> <td style="text-align: right;">\$ 0.000 Million</td> </tr> <tr> <td>FY 2009 Remaining GWOT Request:</td> <td style="text-align: right;">\$20.700 Million</td> <td style="text-align: right;">\$13.800 Million</td> <td style="text-align: right;">\$34.500 Million</td> </tr> </table>												OIF	OEF	TOTAL	FY 2009 GWOT Requirement:	\$20.700 Million	\$13.800 Million	\$34.500 Million	FY 2009 Bridge Enacted**:	\$ 0.000 Million	\$ 0.000 Million	\$ 0.000 Million	FY 2009 Remaining GWOT Request:	\$20.700 Million	\$13.800 Million	\$34.500 Million
	OIF	OEF	TOTAL																							
FY 2009 GWOT Requirement:	\$20.700 Million	\$13.800 Million	\$34.500 Million																							
FY 2009 Bridge Enacted**:	\$ 0.000 Million	\$ 0.000 Million	\$ 0.000 Million																							
FY 2009 Remaining GWOT Request:	\$20.700 Million	\$13.800 Million	\$34.500 Million																							

Exhibit P-5, Weapon OPA2 Cost Analysis	Appropriation/Budget Activity/Serial No: Other Procurement, Army / 2 / Communications and Electronics Equipment			P-1 Line Item Nomenclature: LIGHTWEIGHT COUNTER MORTAR RADAR (B05201)			Weapon System Type:		Date: February 2009		
OPA2 Cost Elements		ID	FY 07			FY 08			FY 09		
		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
FY 2009 GWOT											
Hardware (AN/TPQ-48(V)3									25539	43	594
Engineering Change Orders									766		
Testing									710		
Training									1385		
Interim Contractor Support									6100		
Total:									34500		

<div> <div>Exhibit P-5a, Budget Procurement History and Planning</div> <div>Date: February 2009</div> </div>											
Appropriation/Budget Activity/Serial No: Other Procurement, Army/ 2/ Communications and Electronics Equipment			Weapon System Type:		P-1 Line Item Nomenclature: LIGHTWEIGHT COUNTER MORTAR RADAR (B05201)						
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
Hardware (AN/TPQ-48(V)3 FY 2009 GWOT	SRC TEC North Syracuse, NY		SS/FFP	CECOM	Jul 09	Aug 10	43	594	No		
REMARKS:											

[illegible]

Exhibit P-40, Budget Item Justification Sheet								Date: <div style="text-align: right;">February 2009</div>																		
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 2007	FY 2008	FY 2009	FY 2010	FY 2011	FY 2012	FY 2013	To Complete	Total Prog																
Proc Qty																										
Gross Cost				354.5						354.5																
Less PY Adv Proc																										
Plus CY Adv Proc																										
Net Proc P1				354.5						354.5																
Initial Spares																										
Total Proc Cost				354.5						354.5																
Flyaway U/C																										
Weapon System Proc U/C																										
<p>Description: 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 Increment I systems: WARLOCK Reds, (W-L R), WARLOCK Greens (W-L G), WARLOCK Blues (W-L Blue), Warlock LXs, IED (Improvised Explosive Devices) Countermeasure Equipment (ICE), Mobile Multi-Band Jammers (MMBJ) and the Counter Radio Controlled Improvised Explosive Devices (RCIED) Electronics Warfare CREW-2/Increment II system, a.k.a Warlock-Duke, and CREW 2.1/CVRJ (Crew Vehicle Receiver Jammer). WARLOCK is designed to protect personnel, vehicle convoys and provide gate security from Radio Controlled Improvised Explosive Devices (RCIEDs).</p> <p>Justification: FY2009 Global War on Terrorism (GWOT) funds procure CREW V3 Upgrades, CREW A-Kits, CREW Initial Spares and CREW 2.1 Upgrades.</p> <p>**FY09 Enacted Bridge not included in the above total.</p> <table style="width: 100%; border: none;"> <tr> <td></td> <td style="text-align: center;">OIF</td> <td style="text-align: center;">OEF</td> <td style="text-align: center;">Total</td> </tr> <tr> <td>FY2009 GWOT Requirement:</td> <td style="text-align: right;">\$80.700 Million</td> <td style="text-align: right;">\$273.800 Million</td> <td style="text-align: right;">\$354.500 Million</td> </tr> <tr> <td>FY2009 Bridge Enacted**:</td> <td style="text-align: right;">\$0.000 Million</td> <td style="text-align: right;">\$0.000 Million</td> <td style="text-align: right;">\$0.000 Million</td> </tr> <tr> <td>FY2009 Total:</td> <td style="text-align: right;">\$80.700 Million</td> <td style="text-align: right;">\$273.800 Million</td> <td style="text-align: right;">\$354.500 Million</td> </tr> </table>												OIF	OEF	Total	FY2009 GWOT Requirement:	\$80.700 Million	\$273.800 Million	\$354.500 Million	FY2009 Bridge Enacted**:	\$0.000 Million	\$0.000 Million	\$0.000 Million	FY2009 Total:	\$80.700 Million	\$273.800 Million	\$354.500 Million
	OIF	OEF	Total																							
FY2009 GWOT Requirement:	\$80.700 Million	\$273.800 Million	\$354.500 Million																							
FY2009 Bridge Enacted**:	\$0.000 Million	\$0.000 Million	\$0.000 Million																							
FY2009 Total:	\$80.700 Million	\$273.800 Million	\$354.500 Million																							

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: WARLOCK (VA8000)			Weapon System Type:		Date: February 2009		
OPA2 Cost Elements		ID	FY 07			FY 08			FY 09		
		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
GWOT Request									198848	6214	32.000
Duke V3 Upgrade									32089	6214	5.164
Platform A-Kits									16292		
CREW Initial Spares									107271		
CREW 2.1 ECPs/Upgrades											
Total:									354500		

Exhibit P-5a, Budget Procurement History and Planning											Date: February 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	
GWOT Request Duke V3 Upgrade FY 2009	SRC-Duke V3 Upgrade TBD		TBD	TBD	Jul 09	Aug 09	6214	32				
CREW A-Kits FY 2009	TBD - CREW A-Kits TBD		TBD	TBD	Aug 09	Oct 09	6214	3				
REMARKS:												

Exhibit P-40, Budget Item Justification Sheet								Date: <div style="text-align: right;">February 2009</div>		
Appropriation / Budget Activity / Serial No: Other Procurement, Army / 2 / Communications and Electronics Equipment					P-1 Item Nomenclature COUNTERINTELLIGENCE/SECURITY COUNTERMEASURES (BL5283)					
Program Elements for Code B Items:			Code:		Other Related Program Elements:					
	Prior Years	FY 2007	FY 2008	FY 2009	FY 2010	FY 2011	FY 2012	FY 2013	To Complete	Total Prog
Proc Qty										
Gross Cost				169.8						169.8
Less PY Adv Proc										
Plus CY Adv Proc										
Net Proc P1				169.8						169.8
Initial Spares										
Total Proc Cost				169.8						169.8
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. <div style="display: flex; justify-content: space-between;"> <div style="width: 20%;"></div> <div style="width: 15%;">OIF:</div> <div style="width: 15%;">OEF:</div> <div style="width: 15%;">TOTAL:</div> <div style="width: 30%;"></div> </div> <div style="display: flex; justify-content: space-between;"> <div style="width: 20%;">FY 2009 GWOT Requirement:</div> <div style="width: 15%;">\$111.463</div> <div style="width: 15%;">\$58.336</div> <div style="width: 15%;">\$169.799</div> <div style="width: 30%;"></div> </div> <div style="display: flex; justify-content: space-between;"> <div style="width: 20%;">FY 2009 Bridge Enacted**:</div> <div style="width: 15%;">\$ 0.000</div> <div style="width: 15%;">\$ 0.000</div> <div style="width: 15%;">\$ 0.000</div> <div style="width: 30%;"></div> </div> <div style="display: flex; justify-content: space-between;"> <div style="width: 20%;">FY 2009 Remaining GWOT Request:</div> <div style="width: 15%;">\$111.463</div> <div style="width: 15%;">\$58.336</div> <div style="width: 15%;">\$169.799</div> <div style="width: 30%;"></div> </div>										

Exhibit P-40, Budget Item Justification Sheet								Date: <div style="text-align: right;">February 2009</div>		
Appropriation / Budget Activity / Serial No: <small>Other Procurement, Army / 2 / Communications and Electronics Equipment</small>					P-1 Item Nomenclature <small>NIGHT VISION DEVICES (KA3500)</small>					
Program Elements for Code B Items:			Code:		Other Related Program Elements:					
	Prior Years	FY 2007	FY 2008	FY 2009	FY 2010	FY 2011	FY 2012	FY 2013	To Complete	Total Prog
Proc Qty										
Gross Cost				82.5						82.5
Less PY Adv Proc										
Plus CY Adv Proc										
Net Proc P1				82.5						82.5
Initial Spares										
Total Proc Cost				82.5						82.5
Flyaway U/C										
Weapon System Proc U/C										
<p>Description: Night Vision Devices (KA3500) is a summary budget line including the following programs: (1) K36400 - Helmet Mounted Enhanced Vision Device - 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 ENVG is a lightweight device providing soldiers a passive sensor, fused electro-optical night vision device with the ability to engage and execute Close Combat (including Military Operations on Urban Terrain (MOUT)), Combat Support, and Combat Service Support operations in all light levels, adverse weather, and battlefield obscurant conditions. ENVG will provide improved situational awareness over existing night vision goggles. (2) K35000 - Multi-functional Aiming Light is a lightweight, weapon mounted and boresighted aiming light. The line also includes the AN/PEQ-2 Infrared Target Pointer/Infrared Aiming Light (ITPIAL). The aiming light output is visible only when used with a night vision goggle, such as the AN/PVS-14. (3) K41500 - The AN/PVS-10 and AN/PVS-26 utilizes passive third generation image intensification technology for night operations. The SNS 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 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. (4) B53800 - Laser Target Locator System (LTLS) is a hand-held device that determines range, azimuth and vertical angle to a target and uses the embedded Global Positioning System (GPS) receiver for calculation of target grid coordinates. Target grid can then be transmitted through Fire Support C4I systems for digital transmission of call for fire. (5) K31300 - The Driver's Vision Enhancer (DVE) is an uncooled thermal imaging system developed for use on combat and tactical wheeled vehicles. The DVE allows for safer movement of combat and tactical wheeled vehicles in support of their operational missions in all environmental conditions (day/night and all weather). DVE facilitates fast paced force projection operations by providing enhanced mobility during darkness and in degraded battlefield conditions (smoke, dust, fog) enabling rapid combat operations and rapid movement/turn-around-time of supplies to forward deployed units. Addressing these mobility requirements increases the combat effectiveness of military forces.</p>										
Justification:										

Exhibit P-40, Budget Item Justification Sheet		Date: <div style="text-align: right; padding-right: 10px;">February 2009</div>																
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>FY 2009 Global War on Terrorism (GWOT) funds will procure 1152 Small Tactical Optical Rifle Mounted (STORM) systems for fielding to Snipers, 768 Laser Target Locator Systems for fielding to deploying Brigade Combat Teams and 945 DVEs for Tactical Wheeled Vehicles (TWV). These procurements will support the warfighters deploying in combat theaters.</p> <p>** FY 2009 Enacted Bridge not included in the above amount.</p> <table style="margin-left: auto; margin-right: auto; border: none;"> <thead> <tr> <th></th> <th style="text-align: right;">OIF</th> <th style="text-align: right;">OEF</th> <th style="text-align: right;">Total</th> </tr> </thead> <tbody> <tr> <td>FY 2009 GWOT Requirement:</td> <td style="text-align: right;">\$63.500 Million</td> <td style="text-align: right;">\$39.000 Million</td> <td style="text-align: right;">\$102.500 Million</td> </tr> <tr> <td>FY 2009 Bridge Enacted**:</td> <td style="text-align: right;">\$12.000 Million</td> <td style="text-align: right;">\$8.000 Million</td> <td style="text-align: right;">\$20.000 Million</td> </tr> <tr> <td>FY 2009 Remaining GWOT Request:</td> <td style="text-align: right;">\$51.500 Million</td> <td style="text-align: right;">\$31.000 Million</td> <td style="text-align: right;">\$82.500 Million</td> </tr> </tbody> </table>				OIF	OEF	Total	FY 2009 GWOT Requirement:	\$63.500 Million	\$39.000 Million	\$102.500 Million	FY 2009 Bridge Enacted**:	\$12.000 Million	\$8.000 Million	\$20.000 Million	FY 2009 Remaining GWOT Request:	\$51.500 Million	\$31.000 Million	\$82.500 Million
	OIF	OEF	Total															
FY 2009 GWOT Requirement:	\$63.500 Million	\$39.000 Million	\$102.500 Million															
FY 2009 Bridge Enacted**:	\$12.000 Million	\$8.000 Million	\$20.000 Million															
FY 2009 Remaining GWOT Request:	\$51.500 Million	\$31.000 Million	\$82.500 Million															

Exhibit P-5, Weapon OPA2 Cost Analysis	Appropriation/Budget Activity/Serial No: Other Procurement, Army / 2 / Communications and Electronics Equipment			P-1 Line Item Nomenclature: NIGHT VISION DEVICES (KA3500)			Weapon System Type:		Date: February 2009		
OPA2 Cost Elements		ID	FY 07			FY 08			FY 09		
		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
GWOT											
Sniper Night Sight									16500	1152	
Laser Target Locator Systems									35000	768	
Driver's Vision Enhancer									31000	945	
Total:									82500		

Exhibit P-40, Budget Item Justification Sheet								Date: <div style="text-align: right;">February 2009</div>		
Appropriation / Budget Activity / Serial No: Other Procurement, Army / 2 / Communications and Electronics Equipment					P-1 Item Nomenclature Laser Target Locator Systems (B53800)					
Program Elements for Code B Items:			Code:		Other Related Program Elements:					
	Prior Years	FY 2007	FY 2008	FY 2009	FY 2010	FY 2011	FY 2012	FY 2013	To Complete	Total Prog
Proc Qty										
Gross Cost				35.0						35.0
Less PY Adv Proc										
Plus CY Adv Proc										
Net Proc P1				35.0						35.0
Initial Spares										
Total Proc Cost				35.0						35.0
Flyaway U/C										
Weapon System Proc U/C										
<p>Description: 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.</p> <p>Justification: FY 2009 Global War on Terrorism (GWOT) funds will procure 768 Laser Target Locator Systems for fielding to Brigade Combat Teams deploying into combat theater.</p>										

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: Laser Target Locator Systems (B53800)				Weapon System Type:		Date: <div>February 2009</div>			
	OPA2 Cost Elements			ID CD	FY 07 Total CostQtyUnit Cost			FY 08 Total CostQtyUnit Cost			FY 09 Total CostQtyUnit Cost		
					\$000	Units	\$000	\$000	Units	\$000	\$000	Units	\$000
GWOT													
Laser Target Locator Systems											34300	768	44.661
Fielding											700		
Total:											35000		

<div> <div>Exhibit P-5a, Budget Procurement History and Planning</div> <div>Date: February 2009</div> </div>											
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
Laser Target Locator Systems FY 2009	TBS TBD		C/IDIQ	RDECOMAC	Jul 09	Jan 10	768	44.661	Yes		
REMARKS:											

Exhibit P-40, Budget Item Justification Sheet								Date: <div style="text-align: right;">February 2009</div>		
Appropriation / Budget Activity / Serial No: Other Procurement, Army / 2 / Communications and Electronics Equipment					P-1 Item Nomenclature DRIVER VISION ENHANCER (DVE) (K31300)					
Program Elements for Code B Items:			Code:		Other Related Program Elements:					
	Prior Years	FY 2007	FY 2008	FY 2009	FY 2010	FY 2011	FY 2012	FY 2013	To Complete	Total Prog
Proc Qty				945						945
Gross Cost				31.0						31.0
Less PY Adv Proc										
Plus CY Adv Proc										
Net Proc P1				31.0						31.0
Initial Spares										
Total Proc Cost				31.0						31.0
Flyaway U/C										
Weapon System Proc U/C				0.0						0.0
<p>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 capability during limited visibility conditions (smoke, dust, fog). Addressing these mobility requirements increases the combat effectiveness of military forces.</p> <p>Justification: FY2009 GWOT funds procure an additional 945 DVEs for Tactical Wheeled Vehicles (TWV), and funds the required spares and fielding costs. The DVEs will be fielded to TWVs in combat theater.</p>										

Exhibit P-5, Weapon OPA2 Cost Analysis	Appropriation/Budget Activity/Serial No: Other Procurement, Army / 2 / Communications and Electronics Equipment			P-1 Line Item Nomenclature: DRIVER VISION ENHANCER (DVE) (K31300)			Weapon System Type:		Date: February 2009				
	OPA2 Cost Elements			ID CD	FY 07 Total Cost Qty Unit Cost			FY 08 Total Cost Qty Unit Cost			FY 09 Total Cost Qty Unit Cost		
					\$000	Each	\$000	\$000	Each	\$000	\$000	Each	\$000
AN/VAS-5 Driver's Vision Enhancer (DVE)				A							10761	945	11
Ancillary Equipment											9480		
Program Management Admin											2000		
Fielding											8759		
Total:											31000		

Exhibit P-5a, Budget Procurement History and Planning											Date: February 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 2009			TBD TBD			C/FP	CECOM		Mar 09	Nov 09	945	11	Yes		
REMARKS:															

FY 09 / 10 BUDGET PRODUCTION SCHEDULE										P-1 ITEM NOMENCLATURE DRIVER VISION ENHANCER (DVE) (K31300)												Date: February 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	J U N	J U L	A U G	S E P				
AN/VAS-5 Driver's Vision Enhancer (DVE)																																	
1	FY 09		945	0	945						A							945													0		

Exhibit P-40, Budget Item Justification Sheet								Date: <div style="text-align: right;">February 2009</div>		
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 2007	FY 2008	FY 2009	FY 2010	FY 2011	FY 2012	FY 2013	To Complete	Total Prog
Proc Qty										
Gross Cost				16.5						16.5
Less PY Adv Proc										
Plus CY Adv Proc										
Net Proc P1				16.5						16.5
Initial Spares										
Total Proc Cost				16.5						16.5
Flyaway U/C										
Weapon System Proc U/C										
<p>Description: The AN/PVS-26 for the M110 Semi-Automatic Sniper System (SASS) utilizes passive third generation image intensification technology for night operations. 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>Justification: FY 2009 Global War on Terrorism (GWOT) funds will procure 1152 Small Tactical Optical Rifle Mounted (STORM) systems for fielding to Snipers deploying into combat theaters.</p>										

Exhibit P-5, Weapon OPA2 Cost Analysis	Appropriation/Budget Activity/Serial No: Other Procurement, Army / 2 / Communications and Electronics Equipment			P-1 Line Item Nomenclature: SNIPER NIGHT SIGHT (K41500)			Weapon System Type:		Date: February 2009			
OPA2 Cost Elements			ID	FY 07			FY 08			FY 09		
			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
GWOT												
Sniper Night Sight									16500	1152	14,313	
Total:									16500			

Exhibit P-5a, Budget Procurement History and Planning											Date: February 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
Sniper Night Sight FY 2009		Insight Technologies Londonderry, NH		C/FP	RDECOMAC	Jul 09	Dec 09	1152	14.313	Y		
REMARKS:												

FY 09 / 10 BUDGET PRODUCTION SCHEDULE										P-1 ITEM NOMENCLATURE SNIPER NIGHT SIGHT (K41500)										Date: February 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	J U N	J U L	A U G	S E P			
Sniper Night Sight																																
I	FY 09	A		1152	0	1152										A						96	96	96	96	96	96	96	96	96	96	192

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	2	9	
1	Insight Technologies, Londonderry, NH	25	80	100	120		Reorder	1	1	5	6	
							Initial					
							Reorder					
							Initial					
							Reorder					
							Initial					
							Reorder					
							Initial					
							Reorder					
							Initial					
							Reorder					

KA3500 (K41500)
SNIPER NIGHT SIGHT
DRAFT

Exhibit P-40, Budget Item Justification Sheet								Date: <div style="text-align: right;">February 2009</div>																		
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 2007	FY 2008	FY 2009	FY 2010	FY 2011	FY 2012	FY 2013	To Complete	Total Prog																
Proc Qty																										
Gross Cost				157.7						157.7																
Less PY Adv Proc																										
Plus CY Adv Proc																										
Net Proc P1				157.7						157.7																
Initial Spares																										
Total Proc Cost				157.7						157.7																
Flyaway U/C																										
Weapon System Proc U/C																										
<p>Description: The primary mission of the Counter-Rockets, Artillery and Mortars (C-RAM) program is to develop, procure, field and maintain a system 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. C-RAM 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 will be fielded to various echelons, fixed or semi-fixed-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 will be accomplished through an incremental fielding approach that is driven by an urgent operational need theater priorities and emerging capability requirements to provide counter-RAM capability to fielded forces. The C-RAM Program Office has fielded equipment to fifteen Forward Operating Bases (FOBs) (Sense, Warn and Intercept to three FOBs; Sense and Warn to twelve additional FOBs).</p> <p>Justification: FY2009 GWOT funds will procure spare, repair parts and contractor field support for C-RAM systems at 18 FOBs (up to 5 with intercept capability), 4 Combat Training Centers and a training base and also support the Regional Support Center in theater. Funds will support the training of units to staff the intercept batteries and Sense, Warn and Respond locations with up to 9 MRX.</p> <table style="width: 100%; margin-top: 10px;"> <tr> <td></td> <td style="text-align: right;">OIF</td> <td style="text-align: right;">OEF</td> <td style="text-align: right;">Total</td> </tr> <tr> <td>FY2009 GWOT Requirement:</td> <td style="text-align: right;">\$88.620 Million</td> <td style="text-align: right;">\$69.080 Million</td> <td style="text-align: right;">\$157.700 Million</td> </tr> <tr> <td>FY2009 GWOT Bridge Enacted:</td> <td style="text-align: right;">\$ 0.000 Million</td> <td style="text-align: right;">\$ 0.000 Million</td> <td style="text-align: right;">\$ 0.000 Million</td> </tr> <tr> <td>FY2009 Remaining GWOT Request:</td> <td style="text-align: right;">\$88.620 Million</td> <td style="text-align: right;">\$69.080 Million</td> <td style="text-align: right;">\$157.700 Million</td> </tr> </table>												OIF	OEF	Total	FY2009 GWOT Requirement:	\$88.620 Million	\$69.080 Million	\$157.700 Million	FY2009 GWOT Bridge Enacted:	\$ 0.000 Million	\$ 0.000 Million	\$ 0.000 Million	FY2009 Remaining GWOT Request:	\$88.620 Million	\$69.080 Million	\$157.700 Million
	OIF	OEF	Total																							
FY2009 GWOT Requirement:	\$88.620 Million	\$69.080 Million	\$157.700 Million																							
FY2009 GWOT Bridge Enacted:	\$ 0.000 Million	\$ 0.000 Million	\$ 0.000 Million																							
FY2009 Remaining GWOT Request:	\$88.620 Million	\$69.080 Million	\$157.700 Million																							

Exhibit P-40, Budget Item Justification Sheet		Date: February 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>The C-RAM Program Office is a unique integration PM providing support to OEF/OIF with a 24/7 Operations Center and Forensics Analysis Team to support the Warfighter requirements. In addition Engineering support is provided for Mission Rehearsal Exercises four times a year - an additional PM/Admin cost.</p>		

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: COUNTER-ROCKET, ARTILLERY & MORTAR (C-RAM) (BZ0526)			Weapon System Type:		Date: February 2009		
OPA2 Cost Elements		ID	FY 07			FY 08			FY 09		
		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
FY09 Remaining GWOT Request									21837		
Project Management Admin									55091		
Contractor Field Support									80772		
Spares/Repair Parts											
Total:									157700		

<div> <div>Exhibit P-5a, Budget Procurement History and Planning</div> <div>Date: February 2009</div> </div>											
Appropriation/Budget Activity/Serial No: Other Procurement, Army/ 2/ Communications and Electronics Equipment			Weapon System Type:		P-1 Line Item Nomenclature: COUNTER-ROCKET, ARTILLERY & MORTAR (C-RAM) (BZ0526)						
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
FY09 Remaining GWOT Request Contractor Field Support FY 2009 GWOT Spares/Repair Parts FY 2009 GWOT	Northrop Grumman/NGMS Huntsville AL Northrop Grumman/NGMS Huntsville AL		IDIQCPFF IDIQCPFF	AMCOM AMCOM	Jul 09 Jul 09	Aug 09 Sep 09					
REMARKS:											

Exhibit P-40, Budget Item Justification Sheet								Date: <div style="text-align: right;">February 2009</div>																		
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:		Other Related Program Elements:																					
	Prior Years	FY 2007	FY 2008	FY 2009	FY 2010	FY 2011	FY 2012	FY 2013	To Complete	Total Prog																
Proc Qty				20						20																
Gross Cost				4.5						4.5																
Less PY Adv Proc																										
Plus CY Adv Proc																										
Net Proc P1				4.5						4.5																
Initial Spares																										
Total Proc Cost				4.5						4.5																
Flyaway U/C																										
Weapon System Proc U/C				0.2						0.2																
<p>Description: 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>Justification: FY 2009 Global War on Terrorism (GWOT) funds will procure 20 Improved Position and Azimuth Determining System (IPADS) and related fielding in support of GWOT.</p> <table style="width: 100%; border: none;"> <tr> <td></td> <td style="text-align: center;">OIF</td> <td style="text-align: center;">OEF</td> <td style="text-align: center;">Total</td> </tr> <tr> <td>FY 2009 GWOT Requirement:</td> <td style="text-align: right;">\$2.700 Million</td> <td style="text-align: right;">\$1.800 Million</td> <td style="text-align: right;">\$4.500 Million</td> </tr> <tr> <td>FY 2009 Bridge Enacted**:</td> <td style="text-align: right;">\$0.000 Million</td> <td style="text-align: right;">\$0.000 Million</td> <td style="text-align: right;">\$0.000 Million</td> </tr> <tr> <td>FY 2009 Remaining GWOT Request:</td> <td style="text-align: right;">\$2.700 Million</td> <td style="text-align: right;">\$1.800 Million</td> <td style="text-align: right;">\$4.500 Million</td> </tr> </table>												OIF	OEF	Total	FY 2009 GWOT Requirement:	\$2.700 Million	\$1.800 Million	\$4.500 Million	FY 2009 Bridge Enacted**:	\$0.000 Million	\$0.000 Million	\$0.000 Million	FY 2009 Remaining GWOT Request:	\$2.700 Million	\$1.800 Million	\$4.500 Million
	OIF	OEF	Total																							
FY 2009 GWOT Requirement:	\$2.700 Million	\$1.800 Million	\$4.500 Million																							
FY 2009 Bridge Enacted**:	\$0.000 Million	\$0.000 Million	\$0.000 Million																							
FY 2009 Remaining GWOT Request:	\$2.700 Million	\$1.800 Million	\$4.500 Million																							

Exhibit P-40, Budget Item Justification Sheet								Date: <div style="text-align: right;">February 2009</div>		
Appropriation / Budget Activity / Serial No: Other Procurement, Army / 2 / Communications and Electronics Equipment					P-1 Item Nomenclature POSITION AZIMUTH DETERMINING SYS (PADS) (M75700)					
Program Elements for Code B Items:			Code:		Other Related Program Elements:					
	Prior Years	FY 2007	FY 2008	FY 2009	FY 2010	FY 2011	FY 2012	FY 2013	To Complete	Total Prog
Proc Qty				20						20
Gross Cost				4.5						4.5
Less PY Adv Proc										
Plus CY Adv Proc										
Net Proc P1				4.5						4.5
Initial Spares										
Total Proc Cost				4.5						4.5
Flyaway U/C										
Weapon System Proc U/C				0.2						0.2
<p>Description: 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>Justification: FY 2009 Global War on Terrorism (GWOT) funds procures 20 Improved Position and Azimuth Determining System (IPADS) and related fielding in support of GWOT.</p>										

Exhibit P-5, Weapon OPA2 Cost Analysis	Appropriation/Budget Activity/Serial No: Other Procurement, Army / 2 / Communications and Electronics Equipment		P-1 Line Item Nomenclature: POSITION AZIMUTH DETERMINING SYS (PADS) (M75700)			Weapon System Type:		Date: February 2009			
	OPA2 Cost Elements		ID CD	FY 07		FY 08			FY 09		
			Total Cost	Qty	Unit Cost	Total Cost	Qty	Unit Cost	Total Cost	Qty	Unit Cost
			\$000	Units	\$000	\$000	Units	\$000	\$000	Units	\$000
FY2009 GWOT request											
1. Hardware									4000	20	200
2. Engineering Support									500		
3. Logistics Support											
4. Total Package Fielding (TPF)											
5. Program Management											
Total:									4500		

Exhibit P-5a, Budget Procurement History and Planning										Date: February 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
1. Hardware FY 2009	L3 Communications Budd Lake, NJ		C-FP	Rock Island, IL	Jul 09	Jul 10	20	200	Y	Nov 02	Dec 02
REMARKS:											

DRAFT

Exhibit P-40, Budget Item Justification Sheet								Date: <div style="text-align: right;">February 2009</div>																		
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 2007	FY 2008	FY 2009	FY 2010	FY 2011	FY 2012	FY 2013	To Complete	Total Prog																
Proc Qty																										
Gross Cost				1.6						1.6																
Less PY Adv Proc																										
Plus CY Adv Proc																										
Net Proc P1				1.6						1.6																
Initial Spares																										
Total Proc Cost				1.6						1.6																
Flyaway U/C																										
Weapon System Proc U/C																										
<p>Description: 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 out to 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 only 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.</p> <p>Justification: FY 2009 Global War On Terrorism (GWOT) funding will support the system to continue to receive Tactical-Very Small Aperture Terminal (T-VSAT) broadcasts that are essential for full mission capability. In order to provide Artillery forces with the meteorological data required for delivery of accurate, lethal precision fires, Profiler requires broadcasts of Navy Operational Global Atmospheric Prediction System (NOGAPS) (US Navy global weather model) data from weather satellites. Profiler currently receives NOGAPS broadcasts via a T-VSAT down link.</p> <table style="width: 100%; margin-top: 20px;"> <tr> <td></td> <td style="text-align: center;">OIF</td> <td style="text-align: center;">OEF</td> <td style="text-align: center;">Total</td> </tr> <tr> <td>FY 2009 GWOT Requirement:</td> <td style="text-align: right;">\$1.600 Million</td> <td style="text-align: right;">\$0.000 Million</td> <td style="text-align: right;">\$1.600 Million</td> </tr> <tr> <td>FY 2009 Bridge Enacted**:</td> <td style="text-align: right;">\$0.000 Million</td> <td style="text-align: right;">\$0.000 Million</td> <td style="text-align: right;">\$ 0.000 Million</td> </tr> <tr> <td>FY 2009 Remaining GWOT Request:</td> <td style="text-align: right;">\$1.600 Million</td> <td style="text-align: right;">\$0.000 Million</td> <td style="text-align: right;">\$1.600 Million</td> </tr> </table>												OIF	OEF	Total	FY 2009 GWOT Requirement:	\$1.600 Million	\$0.000 Million	\$1.600 Million	FY 2009 Bridge Enacted**:	\$0.000 Million	\$0.000 Million	\$ 0.000 Million	FY 2009 Remaining GWOT Request:	\$1.600 Million	\$0.000 Million	\$1.600 Million
	OIF	OEF	Total																							
FY 2009 GWOT Requirement:	\$1.600 Million	\$0.000 Million	\$1.600 Million																							
FY 2009 Bridge Enacted**:	\$0.000 Million	\$0.000 Million	\$ 0.000 Million																							
FY 2009 Remaining GWOT Request:	\$1.600 Million	\$0.000 Million	\$1.600 Million																							

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: PROFILER (K27900)			Weapon System Type:		Date: <div>February 2009</div>		
OPA2 Cost Elements		ID	FY 07			FY 08			FY 09		
		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
FY2009 GWOT											
Satellite Data Support									1600		
Total:									1600		

Exhibit P-5a, Budget Procurement History and Planning											Date: February 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
FY2009 GWOT FY 2009		Smiths Detection Edgewood, MD		SS/FFP(O)	CECOM					Y	Sep 03	
REMARKS:												

Exhibit P-40, Budget Item Justification Sheet								Date: <div style="text-align: right;">February 2009</div>																		
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:																					
	Prior Years	FY 2007	FY 2008	FY 2009	FY 2010	FY 2011	FY 2012	FY 2013	To Complete	Total Prog																
Proc Qty																										
Gross Cost				11.1						11.1																
Less PY Adv Proc																										
Plus CY Adv Proc																										
Net Proc P1				11.1						11.1																
Initial Spares																										
Total Proc Cost				11.1						11.1																
Flyaway U/C																										
Weapon System Proc U/C																										
<p>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.</p> <p>Justification: FY 2009 Global War On Terrorism (GWOT) funds will refurbish and procure electronics upgrade to twenty-nine (29) AN/TPQ-37(V)8 Legacy S-250 Shelters in support of warfighters deploying into combat theaters.</p> <table style="width: 100%; margin-top: 20px;"> <tr> <td></td> <td style="text-align: right;">OIF</td> <td style="text-align: right;">OEF</td> <td style="text-align: right;">TOTAL</td> </tr> <tr> <td>FY 2009 GWOT Requirement:</td> <td style="text-align: right;">\$6.632 Million</td> <td style="text-align: right;">\$4.421 Million</td> <td style="text-align: right;">\$11.053 Million</td> </tr> <tr> <td>FY 2009 Bridge Enacted**</td> <td style="text-align: right;">\$0.000 Million</td> <td style="text-align: right;">\$0.000 Million</td> <td style="text-align: right;">\$0.000 Million</td> </tr> <tr> <td>FY 2009 Remaining GWOT Request</td> <td style="text-align: right;">\$6.632 Million</td> <td style="text-align: right;">\$4.421 Million</td> <td style="text-align: right;">\$11.053 Million</td> </tr> </table>												OIF	OEF	TOTAL	FY 2009 GWOT Requirement:	\$6.632 Million	\$4.421 Million	\$11.053 Million	FY 2009 Bridge Enacted**	\$0.000 Million	\$0.000 Million	\$0.000 Million	FY 2009 Remaining GWOT Request	\$6.632 Million	\$4.421 Million	\$11.053 Million
	OIF	OEF	TOTAL																							
FY 2009 GWOT Requirement:	\$6.632 Million	\$4.421 Million	\$11.053 Million																							
FY 2009 Bridge Enacted**	\$0.000 Million	\$0.000 Million	\$0.000 Million																							
FY 2009 Remaining GWOT Request	\$6.632 Million	\$4.421 Million	\$11.053 Million																							

Exhibit P-40M, Budget Item Justification Sheet											Date: February 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	Prior Yrs.	FY 2007	FY 2008	FY 2009	FY 2010	FY 2011	FY 2012	FY 2013	TC	Total	
AN/TPQ-37 Reliability/Maintainability Improvements												
0-00-00-0000		0.0	0.0	0.0	11.1	0.0	0.0	0.0	0.0	0.0	11.1	
Totals		0.0	0.0	0.0	11.1	0.0	0.0	0.0	0.0	0.0	11.1	

INDIVIDUAL MODIFICATION																				Date: February 2009			
MODIFICATION TITLE: AN/TPQ-37 Reliability/Maintainability Improvements [MOD 1] 0-00-00-0000																							
MODELS OF SYSTEM AFFECTED: AN/TPQ-37																							
<p>DESCRIPTION / JUSTIFICATION:</p> <p>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) Legacy S-250 Shelter.</p> <p>The AN/TPQ-37 Legacy S-250 shelter, known as the Operation Control Group (OCG) is the 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.</p> <p>FY09 GWOT funds will refurbish and provide electronics upgrade to twenty-nine (29) AN/TPQ-37(V)8 Legacy S-250 shelters.</p>																							
DEVELOPMENT STATUS / MAJOR DEVELOPMENT MILESTONE(S):																							
Installation Schedule																							
Inputs	Pr Yr Totals	FY 2007				FY 2008				FY 2009				FY 2010				FY 2011					
		1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4		
Outputs																							
	FY 2012				FY 2013				FY 2014				FY 2015				To Complete	Totals					
	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4							
Inputs																							
Outputs																							
<p>METHOD OF IMPLEMENTATION: ADMINISTRATIVE LEADTIME: 0 months PRODUCTION LEADTIME: 0 months</p> <p>Contract Dates: FY 2008 - FY 2009 - FY 2010 -</p> <p>Delivery Dates: FY 2008 - FY 2009 - FY 2010 -</p>																							

INDIVIDUAL MODIFICATION																	Date: February 2009				
MODIFICATION TITLE (cont): AN/TPQ-37 Reliability/Maintainability Improvements [MOD 1] 0-00-00-0000																					
FINANCIAL PLAN: (\$ in Millions)																					
		Prior Yrs.		2007		2008		2009		2010		2011		2012		2013		TC		Total	
		Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$
RDT&E																					
Procurement																					
Kit Quantity																					
Equipment-Shelter Upgrade								29	6.3										29	6.3	
Ancillary Items									2.4											2.4	
Equipment, Nonrecurring																					
Integration/Fielding									0.4											0.4	
Engineering/Test Support									0.7											0.7	
Data																					
PMO Support									0.5											0.5	
Contract Support									0.8											0.8	
Installation of Hardware																					
FY 2006 & Prior Equip -- Kits																					
FY 2007 -- Kits																					
FY 2008 Equip -- Kits																					
FY 2009 Equip -- Kits																					
FY 2010 Equip -- Kits																					
FY 2011 Equip -- Kits																					
FY 2012 Equip -- Kits																					
FY 2013 Equip -- Kits																					
TC Equip- Kits																					
Total Installment		0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
Total Procurement Cost			0.0		0.0		0.0		11.1		0.0		0.0		0.0		0.0		0.0		11.1

Exhibit P-40, Budget Item Justification Sheet								Date: <div style="text-align: right;">February 2009</div>																		
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 2007	FY 2008	FY 2009	FY 2010	FY 2011	FY 2012	FY 2013	To Complete	Total Prog																
Proc Qty																										
Gross Cost				135.0						135.0																
Less PY Adv Proc																										
Plus CY Adv Proc																										
Net Proc P1				135.0						135.0																
Initial Spares																										
Total Proc Cost				135.0						135.0																
Flyaway U/C																										
Weapon System Proc U/C																										
<p>Description: 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 commander's intent and scheme of maneuver. FBCB2 affords combat forces the capability to retain the tactical/operational initiatives under all mission, enemy, terrain, troops, and time available conditions to enable faster decisions, real/near-real-time communications and response. 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 systems have been fielded with approximately 15,000 systems in support of Operation Enduring Freedom (OEF)/Operation Iraqi Freedom (OIF).</p> <p>Justification: FY 2009 GWOT funding procures 4672 JV-5 BFT Systems, Installation Kits, DAGRs and their associated training and fielding costs, and the initial 5160 KGV-72 Encryption Devices, to meet Army requirements to prosecute the Global War on Terror (GWOT). 44 of these systems are a payback for Army National Guard BFT systems that were transferred to Theater Procured Equipment (TPE) in Iraq. The additional 4628 systems are to equip Quartermaster, ADA, MP and Chemical, Medical, and Theater Aviation Brigades and Expeditionary Support Commands not previously funded. FYT 2009 GWOT funding also provides TIGR V1.0 theater BFTs to enable patrol leaders the ability to store and retrieve operational data for the planning of future operations.</p> <table style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 20%;"></td> <td style="width: 20%; text-align: right;">OIF</td> <td style="width: 20%; text-align: right;">OEF</td> <td style="width: 20%; text-align: right;">Total</td> </tr> <tr> <td>FY 2009 GWOT Requirement:</td> <td style="text-align: right;">\$135.000 Million</td> <td style="text-align: right;">\$ 0.000 Million</td> <td style="text-align: right;">\$ 135.000 Million</td> </tr> <tr> <td>FY 2009 Bridge Enacted:</td> <td style="text-align: right;">\$ 0.000 Million</td> <td style="text-align: right;">\$ 0.000 Million</td> <td style="text-align: right;">\$ 0.000 Million</td> </tr> <tr> <td>FY 2009 Remaining GWOT Request:</td> <td style="text-align: right;">\$135.100 Million</td> <td style="text-align: right;">\$ 0.000 Million</td> <td style="text-align: right;">\$ 135.000 Million</td> </tr> </table>												OIF	OEF	Total	FY 2009 GWOT Requirement:	\$135.000 Million	\$ 0.000 Million	\$ 135.000 Million	FY 2009 Bridge Enacted:	\$ 0.000 Million	\$ 0.000 Million	\$ 0.000 Million	FY 2009 Remaining GWOT Request:	\$135.100 Million	\$ 0.000 Million	\$ 135.000 Million
	OIF	OEF	Total																							
FY 2009 GWOT Requirement:	\$135.000 Million	\$ 0.000 Million	\$ 135.000 Million																							
FY 2009 Bridge Enacted:	\$ 0.000 Million	\$ 0.000 Million	\$ 0.000 Million																							
FY 2009 Remaining GWOT Request:	\$135.100 Million	\$ 0.000 Million	\$ 135.000 Million																							

Exhibit P-5, Weapon OPA2 Cost Analysis	Appropriation/Budget Activity/Serial No: Other Procurement, Army / 2 / Communications and Electronics Equipment		P-1 Line Item Nomenclature: FORCE XXI BATTLE CMD BRIGADE & BELOW (FBCB2) (W61900)					Weapon System Type:		Date: February 2009	
	OPA2 Cost Elements		ID CD	FY 07			FY 08			FY 09	
			Total Cost	Qty	Unit Cost	Total Cost	Qty	Unit Cost	Total Cost	Qty	Unit Cost
			\$000	Units	\$000	\$000	Units	\$000	\$000	Units	\$000
GWOT											
HW Manufacturing Ground									76718	4672	16
Total HW									76718		
Training									934		
Support Equipment									1112		
Fielding									2336		
Other (TIGR)									20000		
Other (Type 1 Encryption Retrofit) GWOT									33900		
Total:									135000		

<div> <div>Exhibit P-5a, Budget Procurement History and Planning</div> <div>Date: February 2009</div> </div>											
Appropriation/Budget Activity/Serial No: Other Procurement, Army/ 2/ Communications and Electronics Equipment			Weapon System Type:		P-1 Line Item Nomenclature: FORCE XXI BATTLE CMD BRIGADE & BELOW (FBCB2) (W61900)						
WBS Cost Elements:	Contractor and Location		Contract Method and Type	Location of PCO	Award Date	Date of First Delivery	QTY Units	Unit Cost \$000	Specs Avail Now?	Date Revsn Avail	RFP Issue Date
GWOT HW Manufacturing Ground FY 2009	DRS Melbourne, Florida		SS/FFP	CECOM C4IEWS	Jun 09	Oct 09	4672	16	Y		N/A
REMARKS:											

Exhibit P-40, Budget Item Justification Sheet								Date: <div style="text-align: right;">February 2009</div>																		
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 2007	FY 2008	FY 2009	FY 2010	FY 2011	FY 2012	FY 2013	To Complete	Total Prog																
Proc Qty																										
Gross Cost				10.8						10.8																
Less PY Adv Proc																										
Plus CY Adv Proc																										
Net Proc P1				10.8						10.8																
Initial Spares																										
Total Proc Cost				10.8						10.8																
Flyaway U/C																										
Weapon System Proc U/C																										
<p>Description: 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.</p> <p>The FSC2 Family consists of: the Advanced Field Artillery Data Systems (AFATDS), Ruggedized Handheld Computer (RHC), Pocket-sized Forward Entry Device (PFED), Modernization-In-Service (MIS), Lightweight Technical Fire Direction System (LWTFDS) and Gun Display Unit-Replacement (GDU-R). These systems complete the fire support thread from the forward observer down to the gun line.</p> <p>Justification: FY 2009 Global War on Terrorism (GWOT) funds directly support Operation Enduring Freedom (OEF) requirements with the procurement of 196 AFATDS.</p> <table style="width: 100%; border-collapse: collapse;"> <tr> <td></td> <td style="text-align: center;">OIF</td> <td style="text-align: center;">OEF</td> <td style="text-align: center;">Total</td> </tr> <tr> <td>FY 2009 GWOT Requirement:</td> <td style="text-align: right;">\$0 Million</td> <td style="text-align: right;">\$10.800 Million</td> <td style="text-align: right;">\$10.800 Million</td> </tr> <tr> <td>FY 2009 Bridge Enacted:</td> <td style="text-align: right;">\$ 0 Million</td> <td style="text-align: right;">\$ 0.000 Million</td> <td style="text-align: right;">\$ 0.000 Million</td> </tr> <tr> <td>FY 2009 GWOT Request:</td> <td style="text-align: right;">\$0 Million</td> <td style="text-align: right;">\$10.800 Million</td> <td style="text-align: right;">\$10.800 Million</td> </tr> </table>												OIF	OEF	Total	FY 2009 GWOT Requirement:	\$0 Million	\$10.800 Million	\$10.800 Million	FY 2009 Bridge Enacted:	\$ 0 Million	\$ 0.000 Million	\$ 0.000 Million	FY 2009 GWOT Request:	\$0 Million	\$10.800 Million	\$10.800 Million
	OIF	OEF	Total																							
FY 2009 GWOT Requirement:	\$0 Million	\$10.800 Million	\$10.800 Million																							
FY 2009 Bridge Enacted:	\$ 0 Million	\$ 0.000 Million	\$ 0.000 Million																							
FY 2009 GWOT Request:	\$0 Million	\$10.800 Million	\$10.800 Million																							

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: FIRE SUPPORT C2 FAMILY (B28501)				Weapon System Type:		Date: <div>February 2009</div>		
	OPA2 Cost Elements			ID CD	FY 07 Total CostQtyUnit Cost			FY 08 Total CostQtyUnit Cost			FY 09 Total CostQtyUnit Cost	
				\$000	Each	\$000	\$000	Each	\$000	\$000	Each	\$000
GWOT Advanced Field Artillery Data System										10800	196	
Total:										10800		

Exhibit P-40, Budget Item Justification Sheet								Date: <div style="text-align: right;">February 2009</div>		
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 2007	FY 2008	FY 2009	FY 2010	FY 2011	FY 2012	FY 2013	To Complete	Total Prog
Proc Qty										
Gross Cost				10.8						10.8
Less PY Adv Proc										
Plus CY Adv Proc										
Net Proc P1				10.8						10.8
Initial Spares										
Total Proc Cost				10.8						10.8
Flyaway U/C										
Weapon System Proc U/C										
<p>Description: 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 operation 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 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 the 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 platforms and its new munitions. AFATDS will port to a windows based operating system in FY08. 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, Battery Computer System and Fire Direction System. 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. This system has successfully fielded AFATDS Version A96 through 6.3.2, and Version 6.4.0.2.</p> <p>Justification: FY 2009 Global War on Terrorism (GWOT) will procure 196 AFATDS. This funding directly supports Operation Enduring Freedom (OEF).</p>										

Exhibit P-5, Weapon OPA2 Cost Analysis		Appropriation/Budget Activity/Serial No: Other Procurement, Army / 2 / Communications and Electronics Equipment			P-1 Line Item Nomenclature: ADV FA TAC DATA SYS (B28600)			Weapon System Type:		Date: February 2009	
OPA2 Cost Elements		ID	FY 07			FY 08			FY 09		
		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
FY 2009 Remaining GWOT Request Hardware Note: The hardware cost is comprised of a mix of system configurations, IKs and peripherals. Units costs are varied and are dependent upon the required configuration per vehicle. Therefore, a fixed unit cost cannot be identified. Total:									10800	196	55
									10800		

Exhibit P-5a, Budget Procurement History and Planning											Date: February 2009			
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)								
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 Remaining GWOT Request FY 2009			General Dynamics Taunton, MA			C/OPTION	CECOM LCMC	Jul 09	Jan 10	196		YES		
REMARKS: This system uses non-developmental, ruggedized Common Hardware/Software, including the Unix Laptop Computer (ULC), Compact Computer Unit (CCU), Notebook Computer Unit (NCU) as well as vehicle installation kits (IKs). It is Commerical Off-The-Shelf (COTS) equipment and therefore no production schedule is required.														

Exhibit P-40, Budget Item Justification Sheet								Date: <div style="text-align: right;">February 2009</div>																		
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 2007	FY 2008	FY 2009	FY 2010	FY 2011	FY 2012	FY 2013	To Complete	Total Prog																
Proc Qty																										
Gross Cost				3.9						3.9																
Less PY Adv Proc																										
Plus CY Adv Proc																										
Net Proc P1				3.9						3.9																
Initial Spares																										
Total Proc Cost				3.9						3.9																
Flyaway U/C																										
Weapon System Proc U/C																										
<p>Description: The Air Defense Airspace Management (ADAM) Cell supports both Air and Missile Defense (AMD) and Aviation operations in Army Brigade Combat Teams (BCT), Fires Brigades and Division Tactical Operations Centers. The ADAM Cell supports AMD and Aviation planning, provides 3D situational awareness, provides Command and Control (C2) capability for AMD augmentation and supports airspace deconfliction. The ADAM Cell consists of a single SICPS shelter mounted on an M-1152 HMMWV (previously mounted on M1113). The major components in the ADAM Cell are 4 workstations (Forward Area Air Defense Command and Control, Air and Missile Defense Workstation, Air Defense System Integrator, and Tactical Airspace Integration System), multiple data communications systems (Multi-functional Information Distribution System, and various other communication suites) and multiple voice communications systems (SATCOM, HF, UHF and VHF). Current manning for the ADAM Cell consists of 2 officers, 1 warrant officer and 3 enlisted soldiers. The ADAM System is an automated integrated planning and control system that provides vertical and horizontal interoperability with Joint and Coalition forces. The ADAM is a set of modular, re-configurable and standardized Automated Data Processing Equipment(ADPE) packaged in an Army standardized Command Post Platform (CPP).</p> <p>Justification: FY2009 GWOT funds will procure long lead equipment for one ADAM Brigade.</p> <table style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 20%;"></td> <td style="width: 15%; text-align: center;">OIF</td> <td style="width: 15%; text-align: center;">OEF</td> <td style="width: 15%; text-align: center;">Total</td> </tr> <tr> <td>FY2009 GWOT Requirement:</td> <td style="text-align: right;">\$ 0.000 Million</td> <td style="text-align: right;">\$3.932 Million</td> <td style="text-align: right;">\$3.932 Million</td> </tr> <tr> <td>FY2009 GWOT Bridge Enacted:</td> <td style="text-align: right;">\$ 0.000 Million</td> <td style="text-align: right;">\$0.000 Million</td> <td style="text-align: right;">\$0.000 Million</td> </tr> <tr> <td>FY2009 Remaining GWOT Request:</td> <td style="text-align: right;">\$ 0.000 Million</td> <td style="text-align: right;">\$3.932 Million</td> <td style="text-align: right;">\$3.932 Million</td> </tr> </table>												OIF	OEF	Total	FY2009 GWOT Requirement:	\$ 0.000 Million	\$3.932 Million	\$3.932 Million	FY2009 GWOT Bridge Enacted:	\$ 0.000 Million	\$0.000 Million	\$0.000 Million	FY2009 Remaining GWOT Request:	\$ 0.000 Million	\$3.932 Million	\$3.932 Million
	OIF	OEF	Total																							
FY2009 GWOT Requirement:	\$ 0.000 Million	\$3.932 Million	\$3.932 Million																							
FY2009 GWOT Bridge Enacted:	\$ 0.000 Million	\$0.000 Million	\$0.000 Million																							
FY2009 Remaining GWOT Request:	\$ 0.000 Million	\$3.932 Million	\$3.932 Million																							

Exhibit P-5, Weapon OPA2 Cost Analysis		Appropriation/Budget Activity/Serial No: Other Procurement, Army / 2 / Communications and Electronics Equipment			P-1 Line Item Nomenclature: AIR & MSL DEFENSE PLANNING & CONTROL SYS (AMD PCS) (AD5070)			Weapon System Type:		Date: February 2009	
OPA2 Cost Elements		ID	FY 07			FY 08			FY 09		
		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
FY 2009 Remaining GWOT Request											
System Integration/HW									3485	1	3485
Project Mgmt Admin									447		
Fielding (TPF, NET)											
Contractor Field Support											
SW Maintenance Support											
Total:									3932		

<div> <div>Exhibit P-5a, Budget Procurement History and Planning</div> <div>Date: February 2009</div> </div>											
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
FY 2009 Remaining GWOT Request System Integration/HW FY 2009 GWOT Contractor Field Support FY 2009 GWOT	Northrop Grumman/NGMS (TRW) Huntsville, AL Northrop Grumman/NGMS (TRW) Huntsville, AL		C C	AMCOM AMCOM	Jul 09 Jul 09	Jan 10 Jan 10	1 	3485 	Yes Yes	 	
REMARKS:											

Exhibit P-40, Budget Item Justification Sheet								Date: <div style="text-align: right;">February 2009</div>																		
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 2007	FY 2008	FY 2009	FY 2010	FY 2011	FY 2012	FY 2013	To Complete	Total Prog																
Proc Qty				36						36																
Gross Cost				54.0						54.0																
Less PY Adv Proc																										
Plus CY Adv Proc																										
Net Proc P1				54.0						54.0																
Initial Spares																										
Total Proc Cost				54.0						54.0																
Flyaway U/C																										
Weapon System Proc U/C				1.5						1.5																
<p>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 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 a 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 BFIST/M707 Knight and the Striker Fire Support Vehicle. The common components are: Fire Support Sensor System (FS3), Targeting Station Control Panel, Mission Processor Unit, Inertial Navigation Unit, Defense Advanced Global Positioning System Receiver, Power Distribution Unit, and Stand-alone Computer Unit that hosts Forward Observer Software (FOS). Additionally the armored Knight is configured with 3 Single Channel Ground to Air Radio Systems (SINCGARS), Force XXI Battle Command, Brigade and Below (FBCB2)/Blue Force Tracking (BFT), Driver's Display Unit (DDU), Vehicle Intercom System (VIS), etc.</p> <p>Justification: FY 2009 Global War On Terrorism (GWOT) funds 36 M1200 Knight Vehicles. This will enable Knight to meet the Army's GWOT requirements in support of warfighters deployed to combat theaters with FS3 objective sensor, improved survivability (14.5 armor protection, Nuclear, Biological and Chemical (NBC), Fire Suppression), mobility, mission payload, gross vehicle weight, and growth potential.</p> <table style="width: 100%; margin-top: 20px;"> <tr> <td></td> <td style="text-align: center;">OIF</td> <td style="text-align: center;">OEF</td> <td style="text-align: center;">TOTAL</td> </tr> <tr> <td>FY 2009 Total Requirement:</td> <td style="text-align: right;">\$54.000 Million</td> <td style="text-align: right;">\$0.000 Million</td> <td style="text-align: right;">\$54.000 Million</td> </tr> <tr> <td>FY 2009 Bridge Enacted:</td> <td style="text-align: right;">\$ 0.000 Million</td> <td style="text-align: right;">\$0.000 Million</td> <td style="text-align: right;">\$ 0.000 Million</td> </tr> <tr> <td>FY 2009 Remaining GWOT Request:</td> <td style="text-align: right;">\$54.000 Million</td> <td style="text-align: right;">\$0.000 Million</td> <td style="text-align: right;">\$54.000 Million</td> </tr> </table>												OIF	OEF	TOTAL	FY 2009 Total Requirement:	\$54.000 Million	\$0.000 Million	\$54.000 Million	FY 2009 Bridge Enacted:	\$ 0.000 Million	\$0.000 Million	\$ 0.000 Million	FY 2009 Remaining GWOT Request:	\$54.000 Million	\$0.000 Million	\$54.000 Million
	OIF	OEF	TOTAL																							
FY 2009 Total Requirement:	\$54.000 Million	\$0.000 Million	\$54.000 Million																							
FY 2009 Bridge Enacted:	\$ 0.000 Million	\$0.000 Million	\$ 0.000 Million																							
FY 2009 Remaining GWOT Request:	\$54.000 Million	\$0.000 Million	\$54.000 Million																							

Exhibit P-40, Budget Item Justification Sheet								Date: <div style="text-align: right;">February 2009</div>		
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: B		Other Related Program Elements:					
	Prior Years	FY 2007	FY 2008	FY 2009	FY 2010	FY 2011	FY 2012	FY 2013	To Complete	Total Prog
Proc Qty				36						36
Gross Cost				54.0						54.0
Less PY Adv Proc										
Plus CY Adv Proc										
Net Proc P1				54.0						54.0
Initial Spares										
Total Proc Cost				54.0						54.0
Flyaway U/C										
Weapon System Proc U/C				1.5						1.5
<p>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 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 a 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 BFIST/M707 Knight and the Striker Fire Support Vehicle. The common components are: Fire Support Sensor System (FS3), Targeting Station Control Panel, Mission Processor Unit, Inertial Navigation Unit, Defense Advanced Global Positioning System Receiver, Power Distribution Unit, and Stand-alone Computer Unit that hosts Forward Observer Software (FOS). Additionally the armored Knight is configured with 3 Single Channel Ground to Air Radio Systems (SINCGARS), Force XXI Battle Command, Brigade and Below (FBCB2)/Blue Force Tracking (BFT), Driver's Display Unit (DDU), Vehicle Intercom System (VIS), etc.</p> <p>Justification: FY 2009 Global War On Terrorism (GWOT) funds will procure 36 M1200 Knight Vehicles. This will enable Knight to meet the Army's GWOT requirements in support of warfighters in combat theaters with FS3 objective sensor, improved survivability (14.5 armor protection, Nuclear, Biological and Chemical (NBC), Fire Suppression), mobility, mission payload, gross vehicle weight, and growth potential.</p>										

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: KNIGHT-COMMAND AND CONTROL SYSTEM (B78500)			Weapon System Type:		Date: February 2009				
	OPA2 Cost Elements			ID CD	FY 07 Total CostQtyUnit Cost		FY 08 Total CostQtyUnit Cost		FY 09 Total CostQtyUnit Cost				
					\$000	Each	\$000	\$000	Each	\$000	\$000	Each	\$000
FY09 GWOT													
Armored Knight Production											15274	36	424
FS3 Sensor											13115	36	364
Chassis (ASV)											23159	36	643
Engineering Contractor											1415		
Government Support													
Fielding											1037		
Total:											54000		

Exhibit P-5a, Budget Procurement History and Planning										Date: February 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
Armored Knight Production FY 2009 GWOT	DRS-SSI West Plains, MO		SS/FFP	TACOM, Warren, MI	Jul 09	Jan 11	36		yes		
FS3 Sensor FY 2009 GWOT	Raytheon Corp. McKinney, TX		SS/FFP	TACOM, Warren, MI	Jul 09	Sep 10	36		yes		
Chassis (ASV) FY 2009 GWOT	Textron Marine & Land Systems New Orleans, LA		Options	TACOM, Warren, MI	Jul 09	Jul 10	36		No		
REMARKS: The ASV contract is part of the overall procurement buy with PM, Tactical Wheeled Vehicles.											

Exhibit P-40, Budget Item Justification Sheet								Date: <div style="text-align: right;">February 2009</div>		
Appropriation / Budget Activity / Serial No: <small>Other Procurement, Army / 2 / Communications and Electronics Equipment</small>					P-1 Item Nomenclature <small>Automatic Identification Technology (BZ8889)</small>					
Program Elements for Code B Items:			Code:		Other Related Program Elements:					
	Prior Years	FY 2007	FY 2008	FY 2009	FY 2010	FY 2011	FY 2012	FY 2013	To Complete	Total Prog
Proc Qty										
Gross Cost				3.0						3.0
Less PY Adv Proc										
Plus CY Adv Proc										
Net Proc P1				3.0						3.0
Initial Spares										
Total Proc Cost				3.0						3.0
Flyaway U/C										
Weapon System Proc U/C										
<p>Description: The Automatic Identification Technology program provides commercial radio frequency identification (RFID) and barcode scanning devices, barcode label printers, and other Automatic Identification Technology (AIT) readers and writers to enable the Army and Department of Defense (DoD) supply chain. These AIT devices enable soldiers, service members and DoD civilians to accurately receive property, distribute and store materiel, perform inventory management, and account for equipment without manually entering data. The AIT contract establishes a baseline of AIT devices for use throughout the 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 RFID technologies to DoD.</p> <p>The Army's portable AIT capability for battlefield distribution and convoy management is provided by the Deployment Kit, Radio Frequency Identification (AN/PSX-2). This kit implements movement management and convoy control by providing the ability to build equipment, cargo, and personnel into a single managed manifest and communicates that convoy manifest via satellite networks to logistics and operational command and control centers. The AN/PSX-2 deployment kit will be initially fielded to deployed Movement Control Battalions (MCB) and Movement Control Teams (MCT) and the AN/PSX-2 will be fielded to supply and distribution nodes using radio frequency identification tags and to the balance of MCB/MCT. Supply Chain Event Manager (SCEM) supports the joint logistics vision for real time and near real time visibility and decisionable information over equipment and supplies in distribution and in storage as part of the radio frequency in-transit visibility (RF-ITV) system. The SCEM provides the capability to implement sense and respond and performance based logistics using comprehensive business intelligence to enable agile logistics operations.</p> <p>Item Unique Identification (IUID) and associated AIT provide the individual pedigree of equipment, property, repair parts, reparables, and sensitive items in all Army supply chains to improve life cycle management, accountability, warranty claims, and configuration control of major weapons systems.</p> <p>Justification: FY09 Global War on Terrorism (GWOT) funding will provide STAMIS IUID implementation with the procurement of Imagers to support PBUSE, IUID-integrated wireless systems, marking equipment and non-recurring engineering to support the IUID policy mandates. In addition, GWOT funding procures AIT deploying BCTs, CABs and Sustainment Bdes to meet Army Readiness requirements; fields AIT to Army combat and logistics units, providing them with the AIT, printers, and peripherals, engineering and fielding of Radio Frequency Identification Intransit Visibility</p>										

Exhibit P-40, Budget Item Justification Sheet			Date:	February 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>(RFID-ITV)technologies to accomplish their warfighting missions; procures AIT to modify current logistics automation systems to ensure interoperability with warfighting units; funds the reset of RFID-ITV Infrastructure to ensure compliance with DoD RFID(Active and Passive) and Item Unique Identification (IUID) policies. In addition, GWOT funding procures the Field Data Unit (FDU) and RF-ITV server refresh to include Internet Protocol Version 6 (IPv6), the introduction of passive RFID Electronic Product Code, Wireless Security, Sensor Tag and MH10 Tag format, all as mandated by DoD.</p>				
	OEF	OIF	TOTAL	
FY2009 GWOT Requirement	\$.00	\$3,000 Million	\$3,000 Million	
FY2009 Bridge Enacted**	\$.00	\$.00	\$.00	
FY2009 Remaining GWOT	\$.00	\$3,000 Million	\$3,000 Million	

February 2009

P-1 Item Nomenclature

Automatic Identification Technology (BZ8889)

Other Related Program Elements:

	OEF	OIF	TOTAL
FY2009 GWOT Requirement	\$.00	\$3,000 Million	\$3,000 Million
FY2009 Bridge Enacted**	\$.00	\$.00	\$.00
FY2009 Remaining GWOT	\$.00	\$3,000 Million	\$3,000 Million

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: Automatic Identification Technology (BZ8889)				Weapon System Type:		Date: <div>February 2009</div>		
	OPA2 Cost Elements				ID CD	FY 07 Total CostQtyUnit Cost			FY 08 Total CostQtyUnit Cost			FY 09 Total CostQtyUnit Cost	
					\$000	Each	\$000	\$000	Each	\$000	\$000	Each	\$000
GWOT AIT Peripherals				A							3000		
Total:											3000		

<div> <div>Exhibit P-5a, Budget Procurement History and Planning</div> <div>Date: February 2009</div> </div>											
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
GWOT AIT Peripherals <div> <div>FY 2009</div> <div>FY 2009</div> <div>FY 2009</div> </div>	<div> <div>Intermec Everett, WA</div> <div>Savi Technology Mountain View, CA</div> <div>Unisys Reston, VA</div> </div>		<div> <div>C/FFP</div> <div>C/FFP</div> <div>C/FP</div> </div>	<div> <div>ITEC4</div> <div>ITEC4</div> <div>DISA</div> </div>	<div> <div>TBD</div> <div>TBD</div> <div>TBD</div> </div>	<div> <div>TBD</div> <div>TBD</div> <div>TBD</div> </div>	<div> <div></div> <div></div> <div></div> </div>	<div> <div></div> <div></div> <div></div> </div>	<div> <div></div> <div></div> <div></div> </div>	<div> <div></div> <div></div> <div></div> </div>	<div> <div></div> <div></div> <div></div> </div>
REMARKS: Intermec is contractor for AIT peripherals; SAVI technology is contractor for Radio Frequency Network Infrastructure; Unisys is contractor for engineering support. ITEC4 - Information Technology E-Commerce and Commercial Contracting Center DISA - Defense Information Systems Agency These are COTS items.											

Exhibit P-40, Budget Item Justification Sheet								Date: <div style="text-align: right;">February 2009</div>																		
Appropriation / Budget Activity / Serial No: <small>Other Procurement, Army / 2 / Communications and Electronics Equipment</small>					P-1 Item Nomenclature <small>TC AIMS II (BZ8900)</small>																					
Program Elements for Code B Items:			Code:		Other Related Program Elements:																					
	Prior Years	FY 2007	FY 2008	FY 2009	FY 2010	FY 2011	FY 2012	FY 2013	To Complete	Total Prog																
Proc Qty																										
Gross Cost				1.0						1.0																
Less PY Adv Proc																										
Plus CY Adv Proc																										
Net Proc P1				1.0						1.0																
Initial Spares																										
Total Proc Cost				1.0						1.0																
Flyaway U/C																										
Weapon System Proc U/C																										
<p>Description: The Transportation Information Systems (TIS) Program 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 and Load Planning. Provides critical capability to deploying units so they can build and sustain combat power. TC-AIMS provides the unit critical capability by enabling Sustainment operations that enable and improve combat readiness through improved operational readiness for combat systems.</p> <p>Justification: FY09 Global War on Terrorism (GWOT) funding will procure the increased initial and lifecycle replacement hardware and automated information technology for prioritized units in accordance with the revised Basis of Issue Plan (BOIP).</p> <table style="width: 100%; border: none;"> <tr> <td></td> <td style="text-align: right;">OIF</td> <td style="text-align: right;">OEF</td> <td style="text-align: right;">Total</td> </tr> <tr> <td>FY 2009 GWOT Requirement</td> <td style="text-align: right;">\$1.000 Million</td> <td style="text-align: right;">\$0 Million</td> <td style="text-align: right;">\$1.000 Million</td> </tr> <tr> <td>FY 2009 Bridge Enacted</td> <td style="text-align: right;">0</td> <td style="text-align: right;">0</td> <td style="text-align: right;">0</td> </tr> <tr> <td>FY 2008 Remaining GWOT Request</td> <td style="text-align: right;">\$1.000 Million</td> <td style="text-align: right;">\$0 Million</td> <td style="text-align: right;">\$1.000 Million</td> </tr> </table>												OIF	OEF	Total	FY 2009 GWOT Requirement	\$1.000 Million	\$0 Million	\$1.000 Million	FY 2009 Bridge Enacted	0	0	0	FY 2008 Remaining GWOT Request	\$1.000 Million	\$0 Million	\$1.000 Million
	OIF	OEF	Total																							
FY 2009 GWOT Requirement	\$1.000 Million	\$0 Million	\$1.000 Million																							
FY 2009 Bridge Enacted	0	0	0																							
FY 2008 Remaining GWOT Request	\$1.000 Million	\$0 Million	\$1.000 Million																							

Exhibit P-5, Weapon OPA2 Cost Analysis	Appropriation/Budget Activity/Serial No: Other Procurement, Army / 2 / Communications and Electronics Equipment			P-1 Line Item Nomenclature: TC AIMS II (BZ8900)				Weapon System Type:		Date: <div>February 2009</div>			
	OPA2 Cost Elements			ID CD	FY 07 Total CostQtyUnit Cost			FY 08 Total CostQtyUnit Cost			FY 09 Total CostQtyUnit Cost		
					\$000	Each	\$000	\$000	Each	\$000	\$000	Each	\$000
Hardware and AIT Equipment				A							1000		
Total:											1000		

Exhibit P-5a, Budget Procurement History and Planning											Date: February 2009				
Appropriation/Budget Activity/Serial No: Other Procurement, Army/ 2/ Communications and Electronics Equipment				Weapon System Type:		P-1 Line Item Nomenclature: TC AIMS II (BZ8900)									
WBS Cost Elements:			Contractor and Location			Contract Method and Type	Location of PCO		Award Date	Date of First Delivery	QTY Each	Unit Cost \$000	Specs Avail Now?	Date Revsn Avail	RFP Issue Date
Hardware and AIT Equipment FY 2009			Various to be selected			TBD	Various						Yes		
REMARKS: REMARKS: ITEC4 (Information Technology & Electronic Commerce Commercial Contracting Center) is primary contracting office utilized for hardware and automated information technology procured in accordance with the revised Basis of Issue Plan (BOIP).															

Exhibit P-40, Budget Item Justification Sheet								Date: <div style="text-align: right;">February 2009</div>																		
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 2007	FY 2008	FY 2009	FY 2010	FY 2011	FY 2012	FY 2013	To Complete	Total Prog																
Proc Qty																										
Gross Cost				4.9						4.9																
Less PY Adv Proc																										
Plus CY Adv Proc																										
Net Proc P1				4.9						4.9																
Initial Spares																										
Total Proc Cost				4.9						4.9																
Flyaway U/C																										
Weapon System Proc U/C																										
<p>Description: The Single Army Logistics Enterprise (SALE) provides every unit in the Army with modern, net-centric logistics computers to sustain and maintain their forces. SALE enables the force to request, receive, store, issue, maintain and manage the property and materiel they need for training and warfighting. Global Combat Support System-Army (GCSS-Army) has two components: a functional component in the hands of soldiers (GCSS-Army (Field/Tactical)) and a technology enabler (GCSS-Army Product Life-Cycle Management Plus (PLM+)). GCSS-Army (F/T) and GCSS-Army (PLM+) give the Army an enterprise-wide set of applications and services to replace stand-alone computers in warfighting units and provides net-centric interfaces to external systems while enabling master data management of the Army's logistics information. Together these programs implement best business practices to streamline supply, accountability, maintenance, distribution, and reporting procedures in support of the Future Force transition path of the Army Campaign Plan.</p> <p>Justification: FY09 Global War on Terrorism (GWOT) funding provides for issuing hardware to fill shortages in deployed, deploying units, and support to Theater Infrastructure as Theater Provided Equipment (TPE) as well as direct exchange assets for deployed units or TPE infrastructure for assets that are no longer serviceable/battle loss material.</p> <table style="width: 100%; margin-top: 20px;"> <tr> <td></td> <td style="text-align: center;">OIF</td> <td style="text-align: center;">OEF</td> <td style="text-align: center;">Total</td> </tr> <tr> <td>FY 2009 Total Requirement</td> <td style="text-align: right;">\$4.030 Milion</td> <td style="text-align: right;">\$0.870 Million</td> <td style="text-align: right;">\$4.900 Million</td> </tr> <tr> <td>FY 2009 Bridge Enacted</td> <td style="text-align: right;">00</td> <td style="text-align: right;">00</td> <td style="text-align: right;">00</td> </tr> <tr> <td>FY 2009 Remaining GWOT Request</td> <td style="text-align: right;">\$4.030 Million</td> <td style="text-align: right;">\$0.870 Million</td> <td style="text-align: right;">\$4.900 Million</td> </tr> </table>												OIF	OEF	Total	FY 2009 Total Requirement	\$4.030 Milion	\$0.870 Million	\$4.900 Million	FY 2009 Bridge Enacted	00	00	00	FY 2009 Remaining GWOT Request	\$4.030 Million	\$0.870 Million	\$4.900 Million
	OIF	OEF	Total																							
FY 2009 Total Requirement	\$4.030 Milion	\$0.870 Million	\$4.900 Million																							
FY 2009 Bridge Enacted	00	00	00																							
FY 2009 Remaining GWOT Request	\$4.030 Million	\$0.870 Million	\$4.900 Million																							

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: Single Army Logistics Enterprise (SALE) (W10801)				Weapon System Type:		Date: February 2009	
OPA2 Cost Elements								ID	FY 07			FY 08			FY 09								
								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						
FY09 GWOT SUPPLEMENTAL																							
SAMS								A							329								
SARSS								A							176								
SAAS								A							671								
ULLS								A							2842								
PBUSE								A							882								
Total:														4900									

Exhibit P-40, Budget Item Justification Sheet								Date: <div style="text-align: right;">February 2009</div>		
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 2007	FY 2008	FY 2009	FY 2010	FY 2011	FY 2012	FY 2013	To Complete	Total Prog
Proc Qty										
Gross Cost				0.3						0.3
Less PY Adv Proc										
Plus CY Adv Proc										
Net Proc P1				0.3						0.3
Initial Spares										
Total Proc Cost				0.3						0.3
Flyaway U/C										
Weapon System Proc U/C										
<p>Description: Standard Army Maintenance System - Enhanced (SAMS-E) combines Unit Level Logistics Systems - Ground (ULLS-G) and the 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 unit authorizations. SAMS-E enhances ULLS-G, SAMS-1/2 by incorporating the Windows Graphic User Interface (GUI) operating systems (Win XP OS, Oracle 10g db). It automates unit level supple, maintenance, readiness and 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.</p> <p>Justification: FY09 Global War on Terrorism (GWOT) funds provide for issuing hardware to fill shortages in deployed units and Theater Infrastructure as Theater Provided Equipment (TPE) as well as direct exchange assets for deployed units or TPE infrastructure for assets that are no longer serviceable/battle loss material.</p>										

Exhibit P-5, Weapon OPA2 Cost Analysis	Appropriation/Budget Activity/Serial No: Other Procurement, Army / 2 / Communications and Electronics Equipment			P-1 Line Item Nomenclature: STANDARD ARMY MAINTENANCE SYSTEM (SAMS) (W11002)			Weapon System Type:		Date: February 2009			
OPA2 Cost Elements			ID	FY 07			FY 08			FY 09		
			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
FY09 GWOT			A A						329			
Fielding/Training												
Life Cycle Replacement-Hardware												
Total:									329			

<div> <div>Exhibit P-5a, Budget Procurement History and Planning</div> <div>Date: February 2009</div> </div>											
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)						
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
FY09 GWOT Fielding/Training FY 2009 Life Cycle Replacement-Hardware FY 2009	McLane Advance Tech Temple TX Various Contractor Various Locations		T&M IDIQ	ITEC4, Alexandria, VA ITEC4, Alexandria, VA	TBD TBD	TBD TBD					
REMARKS: McLane Advance tech provides fielding and training support. Various contractors are used for Software licenses and hardware.											

Exhibit P-40, Budget Item Justification Sheet								Date: <div style="text-align: right;">February 2009</div>		
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 2007	FY 2008	FY 2009	FY 2010	FY 2011	FY 2012	FY 2013	To Complete	Total Prog
Proc Qty										
Gross Cost				0.2						0.2
Less PY Adv Proc										
Plus CY Adv Proc										
Net Proc P1				0.2						0.2
Initial Spares										
Total Proc Cost				0.2						0.2
Flyaway U/C										
Weapon System Proc U/C										
<p>Description: SARSS is comprised of three interrelated sub-systems: SARSS-1, -2AC/B (Corps Theatre ADP Service Center (CTASC), and -Gateway. It provides: A. Combat Service Support (CSS) 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 CONUS/OCONUS units.</p> <p>Justification: FY09 GWOT funding provides for issuing hardware to establish additional Supply Support Activities (SSA's) in the OEF Theater and provide issue/direct exchange shortages for units (or TPE infrastructure locations) that have suffered washout or destruction of systems while deployed. These assets enable units in theater to remain fully operational in the critical mission to handle supplies.</p>										

Exhibit P-5, Weapon OPA2 Cost Analysis	Appropriation/Budget Activity/Serial No: Other Procurement, Army / 2 / Communications and Electronics Equipment			P-1 Line Item Nomenclature: STANDARD ARMY RETAIL SUPPLY SYSTEM (SARSS) (W11003)			Weapon System Type:		Date: February 2009			
OPA2 Cost Elements			ID	FY 07			FY 08			FY 09		
			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
FY09 GWOT			A									
Fielding/Training										176		
Total:										176		

<div> <div>Exhibit P-5a, Budget Procurement History and Planning</div> <div>Date: February 2009</div> </div>											
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)						
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
FY09 GWOT Fielding/Training FY 2009	McLane Advance Tech Temple, TX		T&M	ITEC4, Alexandria, VA	TBD	TBD					
REMARKS: Various Contractors are used for software licenses.											

Exhibit P-40, Budget Item Justification Sheet								Date: <div style="text-align: right;">February 2009</div>		
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 2007	FY 2008	FY 2009	FY 2010	FY 2011	FY 2012	FY 2013	To Complete	Total Prog
Proc Qty										
Gross Cost				0.7						0.7
Less PY Adv Proc										
Plus CY Adv Proc										
Net Proc P1				0.7						0.7
Initial Spares										
Total Proc Cost				0.7						0.7
Flyaway U/C										
Weapon System Proc U/C										
<p>Description: A multi-level automated ammunition management, reporting, and accounting system, 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 Theatre Sustainment Command Distribution Center (TSC DMC), expeditionary Sustainment Command Distribution Management Centers (ESC DMC), Ammunition Supply Activities at the Sustainment Brigade and TSC level Theatre Storage Areas (TSAs), Close Support Areas (CSAs), and Ammunition Supply Points (ASPs), Brigade Ammunition Office (BAO) and Ammunition Transfer Holding Points (ATHP).</p> <p>Justification: FY09 GWOT funds provide for issuing hardware to establish additional Ammunition Supply Points (ASPs) in the OEF Theater and provide issue/direct exchange shortages for units (or TPE infrastructure locations) that have suffered washout or destruction of systems while deployed. These assets enable units in Theater to remain fully operational in the critical mission to account for ammunition.</p>										

Exhibit P-5, Weapon OPA2 Cost Analysis		Appropriation/Budget Activity/Serial No: Other Procurement, Army / 2 / Communications and Electronics Equipment			P-1 Line Item Nomenclature: STANDARD ARMY AMMUNITION SYSTEM (SAAS) (W11004)			Weapon System Type:		Date: <div>February 2009</div>	
OPA2 Cost Elements		ID	FY 07			FY 08			FY 09		
		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
FY09 GWOT Fielding/Training		A							671		
Total:									671		

<div> <div>Exhibit P-5a, Budget Procurement History and Planning</div> <div>Date: February 2009</div> </div>											
Appropriation/Budget Activity/Serial No: Other Procurement, Army/ 2/ Communications and Electronics Equipment			Weapon System Type:		P-1 Line Item Nomenclature: STANDARD ARMY AMMUNITION SYSTEM (SAAS) (W11004)						
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
FY09 GWOT Fielding/Training FY 2009	McLane Advance Tech Temple, TX		T&M	ITEC4, Alexandria, VA	TBD	TBD					
REMARKS: McLane Advance Tech provides fielding and training support. GTSI provides hardware support. Various contractors are used for software support.											

Exhibit P-40, Budget Item Justification Sheet								Date: <div style="text-align: right;">February 2009</div>		
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 2007	FY 2008	FY 2009	FY 2010	FY 2011	FY 2012	FY 2013	To Complete	Total Prog
Proc Qty										
Gross Cost				2.8						2.8
Less PY Adv Proc										
Plus CY Adv Proc										
Net Proc P1				2.8						2.8
Initial Spares										
Total Proc Cost				2.8						2.8
Flyaway U/C										
Weapon System Proc U/C										
<p>Description: 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 and Services (PMCS), on-hand Prescribed Load List (PLL) usage and The Army Maintenance Management System Aviation (TAMMS-A) functions.</p> <p>ULLS-A(E) transforms the software environment to full Windows technology and incorporates current functionality plus numerous other enhancements.</p> <p>Justification: FY09 GWOT funding provides for issuing hardware to fill shortages in deployed and deploying units as well as direct exchange assets for deployed units for assets that are no longer serviceable/battle loss material. This equipment is used as LOG BOOKS and deploy with (fly with the aircraft) on individual missions.</p>										

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: UNIT LEVEL LOGISTICS SYSTEMS (ULLS) (W11005)			Weapon System Type:		Date: February 2009
OPA2 Cost Elements		ID	FY 07			FY 08			FY 09	
		CD	Total Cost	Qty	Unit Cost	Total Cost	Qty	Unit Cost	Total Cost	Qty
			\$000	Each	\$000	\$000	Each	\$000	\$000	Each
FY09 GWOT Fielding/Training		A							2842	
Total:									2842	

<div> <div>Exhibit P-5a, Budget Procurement History and Planning</div> <div>Date: February 2009</div> </div>											
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
FY09 GWOT Fielding/Training FY 2009	West Star Huntsville, AL		T&M	GSA, Atlanta, GA	TBD	TBD					
REMARKS: West Star provides fielding and training support. Various contractors are used for software and hardware.											

Exhibit P-40, Budget Item Justification Sheet								Date: <div style="text-align: right;">February 2009</div>		
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 2007	FY 2008	FY 2009	FY 2010	FY 2011	FY 2012	FY 2013	To Complete	Total Prog
Proc Qty										
Gross Cost				0.9						0.9
Less PY Adv Proc										
Plus CY Adv Proc										
Net Proc P1				0.9						0.9
Initial Spares										
Total Proc Cost				0.9						0.9
Flyaway U/C										
Weapon System Proc U/C										
<p>Description: 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 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.</p> <p>Justification: FY09 GWOT funding provides for issuing/direct exchange of hardware to fill shortages in deployed units that have had systems washed out or destroyed while deployed and to support Theater Infrastructure as Theater Provided Equipment (TPE). These assets enable units in theater to remain fully operational.</p>										

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: PROPERTY BOOK USER SYSTEM ENHANCED (PBUSE) (W11006)			Weapon System Type:		Date: February 2009			
OPA2 Cost Elements			ID	FY 07			FY 08			FY 09		
			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
FY09 GWOT												
Hardware V1Configuration			A							653	616	1
Hardware V2 Configuration			A							229	130	2
Total:										882		

<div> <div>Exhibit P-5a, Budget Procurement History and Planning</div> <div>Date: February 2009</div> </div>											
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)						
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
FY09 GWOT Hardware V1 Configuration FY 2009 Hardware V2 Configuration FY 2009	Various Contractors Various Locations Various Contractors Various Locations		IDIQ IDIQ	ITEC4, Alexandria, VA ITEC4, Alexandria, VA	TBD TBD	TBD TBD					
REMARKS: NGMS provides fielding and training support. Various contractors are used for hardware replacement and software licenses.											

Exhibit P-40, Budget Item Justification Sheet								Date: <div style="text-align: right;">February 2009</div>																						
Appropriation / Budget Activity / Serial No: <small>Other Procurement, Army / 2 / Communications and Electronics Equipment</small>					P-1 Item Nomenclature <small>Mounted Battle Command on the Move (MBCOTM) (BZ9970)</small>																									
Program Elements for Code B Items:			Code:		Other Related Program Elements:																									
	Prior Years	FY 2007	FY 2008	FY 2009	FY 2010	FY 2011	FY 2012	FY 2013	To Complete	Total Prog																				
Proc Qty																														
Gross Cost				18.0						18.0																				
Less PY Adv Proc																														
Plus CY Adv Proc																														
Net Proc P1				18.0						18.0																				
Initial Spares																														
Total Proc Cost				18.0						18.0																				
Flyaway U/C																														
Weapon System Proc U/C																														
<p>Description: Mounted Battle Command on the Move (MBCOTM) C2 On The Move (OTM) is a Command, Control, Computers and Communications, Intelligence mission equipment package that is integrated onto MRAP and Stryker authorized hosts 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 Commanders during combat operations and battlefield circulation to maintain Situational Awareness (SA) and C2/Collaboration capabilities while allowing Commanders to move to the decisive point on the battlefield.</p> <p>Justification: FY 09 Global War on Terror (GWOT) procures MBCOTM hardware, mounting racks for the Stryker and MRAP, hardware builds for all vehicles, initial spares, total package fielding requirements, NET Training requirements, contractor support for installation, and program management costs.</p> <div style="margin-top: 20px;"> <table style="width: 100%; border: none;"> <tr> <td style="width: 25%;"></td> <td style="width: 15%; text-align: right;">OIF</td> <td style="width: 15%; text-align: right;">OEF</td> <td style="width: 15%; text-align: right;">Total</td> <td style="width: 30%;"></td> </tr> <tr> <td>FY2009 GWOT Requirement</td> <td style="text-align: right;">\$0.00 Million</td> <td style="text-align: right;">\$18.00 Million</td> <td style="text-align: right;">\$18.00 Million</td> <td></td> </tr> <tr> <td>FY2009 Bridge Enacted **</td> <td style="text-align: right;">\$0.00 Million</td> <td style="text-align: right;">\$ 0.00 Million</td> <td style="text-align: right;">\$0.00 Million</td> <td></td> </tr> <tr> <td>FY2009 Remaining GWOT Request:</td> <td style="text-align: right;">\$0.00 Million</td> <td style="text-align: right;">\$18.00 Million</td> <td style="text-align: right;">\$18.00 Million</td> <td></td> </tr> </table> </div>												OIF	OEF	Total		FY2009 GWOT Requirement	\$0.00 Million	\$18.00 Million	\$18.00 Million		FY2009 Bridge Enacted **	\$0.00 Million	\$ 0.00 Million	\$0.00 Million		FY2009 Remaining GWOT Request:	\$0.00 Million	\$18.00 Million	\$18.00 Million	
	OIF	OEF	Total																											
FY2009 GWOT Requirement	\$0.00 Million	\$18.00 Million	\$18.00 Million																											
FY2009 Bridge Enacted **	\$0.00 Million	\$ 0.00 Million	\$0.00 Million																											
FY2009 Remaining GWOT Request:	\$0.00 Million	\$18.00 Million	\$18.00 Million																											

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: Mounted Battle Command on the Move (MBCOTM) (BZ9970)			Weapon System Type:		Date: February 2009				
	OPA2 Cost Elements				ID CD	FY 07 Total Cost Qty Unit Cost			FY 08 Total Cost Qty Unit Cost			FY 09 Total Cost Qty Unit Cost		
						\$000	Units	\$000	\$000	Units	\$000	\$000	Units	\$000
MRAP C2OTM														
Hardware Build												9931	9	1103
Initial Spares												3422		
Total Package Fielding												2510		
MRAP												15863		
Stryker C2OTM														
Hardware Build												1117	1	1117
Initial Spares												380		
Total Package Fielding												640		
Stryker												2137		
Total:												18000		

Exhibit P-5a, Budget Procurement History and Planning										Date: February 2009	
Appropriation/Budget Activity/Serial No: Other Procurement, Army/ 2/ Communications and Electronics Equipment			Weapon System Type:		P-1 Line Item Nomenclature: Mounted Battle Command on the Move (MBCOTM) (BZ9970)						
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
MRAP C2OTM FY 2009	TBS MRAP Ft. Monmouth, NJ		C/FFP	CECOM/Ft. Monmouth, NJ	Jul 09	Jan 10	9		Y		
Stryker C2OTM FY 2009	TBS Stryker Ft. Monmouth, NJ		C/FFP	CECOM/Ft. Monmouth, NJ	Jul 09	Jan 10	1		Y		
REMARKS:											

FY 09 / 10 BUDGET PRODUCTION SCHEDULE										P-1 ITEM NOMENCLATURE Mounted Battle Command on the Move (MBCOTM) (BZ9970)												Date: February 2009											
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 Build																																	
1	FY 09	A	9	0	9										A							3	3	3							0		
2	FY 09	A	1	0	1										A							1									0		
																								</									

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	1	
1	TBS MRAP, Ft. Monmouth, NJ	3	3	3			Reorder	0	0	0	0	
2	TBS Stryker, Ft. Monmouth, NJ	3	3	3		2	Initial	0	1	6	7	
							Reorder	0	0	0	0	
							Initial					
							Reorder					
							Initial					
							Reorder					
							Initial					
							Reorder					

BZ9970

Mounted Battle Command on the Move (MBCOTM)

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Exhibit P-21

Production Schedule

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Exhibit P-40, Budget Item Justification Sheet								Date: <div style="text-align: right;">February 2009</div>																		
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 2007	FY 2008	FY 2009	FY 2010	FY 2011	FY 2012	FY 2013	To Complete	Total Prog																
Proc Qty																										
Gross Cost				72.9						72.9																
Less PY Adv Proc																										
Plus CY Adv Proc																										
Net Proc P1				72.9						72.9																
Initial Spares																										
Total Proc Cost				72.9						72.9																
Flyaway U/C																										
Weapon System Proc U/C																										
<p>Description: 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.</p> <p>Justification: FY09 Global War on Terrorism (GWOT) funds will procure hardware, software, and communications equipment due to increased requirements in support of the GWOT.</p> <table style="width: 100%; margin-top: 20px;"> <tr> <td></td> <td style="text-align: right;">OIF</td> <td style="text-align: right;">OEF</td> <td style="text-align: right;">Total</td> </tr> <tr> <td>FY 2009 GWOT Requirement:</td> <td style="text-align: right;">\$72.856 Million</td> <td style="text-align: right;">\$0.000 Million</td> <td style="text-align: right;">\$72.856 Million</td> </tr> <tr> <td>FY 2009 Bridge Enacted:</td> <td style="text-align: right;">\$0.000 Million</td> <td style="text-align: right;">\$0.000 Million</td> <td style="text-align: right;">\$0.000 Million</td> </tr> <tr> <td>FY2009 Remaining GWOT Request:</td> <td style="text-align: right;">\$72.856 Million</td> <td style="text-align: right;">\$0.000 Million</td> <td style="text-align: right;">\$72.856 Million</td> </tr> </table>												OIF	OEF	Total	FY 2009 GWOT Requirement:	\$72.856 Million	\$0.000 Million	\$72.856 Million	FY 2009 Bridge Enacted:	\$0.000 Million	\$0.000 Million	\$0.000 Million	FY2009 Remaining GWOT Request:	\$72.856 Million	\$0.000 Million	\$72.856 Million
	OIF	OEF	Total																							
FY 2009 GWOT Requirement:	\$72.856 Million	\$0.000 Million	\$72.856 Million																							
FY 2009 Bridge Enacted:	\$0.000 Million	\$0.000 Million	\$0.000 Million																							
FY2009 Remaining GWOT Request:	\$72.856 Million	\$0.000 Million	\$72.856 Million																							

Exhibit P-5, Weapon OPA2 Cost Analysis		Appropriation/Budget Activity/Serial No: Other Procurement, Army / 2 / Communications and Electronics Equipment			P-1 Line Item Nomenclature: AUTOMATED DATA PROCESSING EQUIP (BD3000)			Weapon System Type:		Date: February 2009	
OPA2 Cost Elements		ID	FY 07			FY 08			FY 09		
		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
FY 2009 GWOT											
Pentagon Information Technology (IT)											
Infrastructure											
-Life Cycle Replacement of Command											
Communications Survivability Prgm (CCSP)		A							16000		
-Consolidated Server Farm Virtualization		A							2594		
-Consolidated Server Farm Blade Server											
Computing		A							587		
-Consolidated Server Farm Software											
Infrastructure		A							840		
-Consolidated Storage Area Network		A							448		
-Server Farm Infrastructure Monitoring		A							687		
.											
Army Knowledge Online (AKO)											
-Wireless Capability		A							5000		
-Testing Facility		A							11000		
-AKO-Forward (AKO-F)		A							12000		
-AKO Solution		A							20300		
.											
Tactical Network Encryption Equipment		A							400		
.											
Lifelong Learning Center		A							2000		
.											
Institutional Digital Education Plan (IDEP)		A							1000		
.											
Total:									72856		

Exhibit P-40, Budget Item Justification Sheet								Date: <div style="text-align: right;">February 2009</div>		
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 2007	FY 2008	FY 2009	FY 2010	FY 2011	FY 2012	FY 2013	To Complete	Total Prog
Proc Qty										
Gross Cost				69.5						69.5
Less PY Adv Proc										
Plus CY Adv Proc										
Net Proc P1				69.5						69.5
Initial Spares										
Total Proc Cost				69.5						69.5
Flyaway U/C										
Weapon System Proc U/C										
<p>Description: PENTAGON INFORMATION TECHNOLOGY INFRASTRUCTURE (PITI) LIFE CYCLE REPLACEMENT OF COMMAND COMMUNICATIONS SURVIVABILITY PROGRAM (CCSP): The events of September 11, 2001 exposed vulnerabilities in the Pentagon's data and voice networks that support the command and control applications, systems, and management capabilities. This attack forced system upgrades in the areas of voice, mainframe, and high speed data networking. The upgrades were designed to increase the survivability of systems in the face of new threats associated with the Global War on Terrorism (GWOT). These capabilities were implemented in response to the threats: core network transport that provides diverse, redundant network paths into and out of the Pentagon; a common security architecture to strengthen access control for Pentagon systems; an Alternate System Management Center; and redundant mainframe, server, and storage capabilities.</p> <p>PITI CONSOLIDATED SERVER FARM BLADE SERVER VIRTUALIZATION: The US Information Technology Agency (ITA) Data Center (ITA-DC) operates and manages a multi-tenant Data Center facility with Command and Control systems, applications, and data storage that directly supports GWOT operations. The ITA-DC is designed to provide increased operational performance for servers and storage and provide for disaster recovery/business continuity through failover to an alternate site. The ITA-DC provides for a fully integrated management enterprise system to monitor and support servers, storage, and applications at either site. Examples of GWOT functions supported by the ITA-DC systems are Army medical logistics management, personnel medical readiness for troop deployment, and mobilization training, which impacts personnel readiness. In accordance with enterprise guidance and best practices, the ITA-DC is implementing a server virtualization capability. This capability enables division of one physical server into multiple isolated virtual environments, meaning one physical server can support multiple applications. This lowers the number of physical servers in the ITA-DC and reduces hardware maintenance costs.</p> <p>PITI CONSOLIDATED SERVER FARM BLADE SERVER COMPUTING: In accordance with enterprise server consolidation guidance and best practices, the ITA-DC is migrating legacy applications where possible onto blade server computing platforms. While performing the same function as rack servers, blade servers provide a consistent, modular, integrated footprint that is easy to deploy and easy to change, and require less floor space, less power, and are easier to manage than rack-mount servers.</p> <p>PITI CONSOLIDATED SERVER FARM SOFTWARE INFRASTRUCTURE: In accordance with enterprise server consolidation guidance and best practices, the ITA-DC is migrating legacy applications where possible onto blade server computing platforms. In order to gain administrative efficiencies, these blade server computing platforms require centralized management capability for</p>										

Exhibit P-40, Budget Item Justification Sheet		Date: February 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>automated failover, disaster recovery, performance management, provisioning, and usage/chargeback reporting.</p> <p>PITI CONSOLIDATED SERVER FARM STORAGE: The ITA-DC is required to provide storage area network capability that meets the Pentagon's current storage volume, while also addressing the expected storage expansion and capacity requirements in the Pentagon. Due to the sensitivity of the stored data, storage requirements include encryption, replication, mirroring, backup, and reporting.</p> <p>PITI SERVER FARM INFRASTRUCTURE MONITORING: Due to the mission critical nature of the systems supported in the ITA-DC, continual monitoring of the facility is required to ensure it is maintained within proper operational parameters. This has necessitated the installation of environmental monitoring solution, whose function is to monitor the ITA-DC hosting environment, and generate Hypertext Markup Language (HTML) status reporting pages, collect data for analysis, and generate exception notifications when environmental factors are outside of normal operating parameters. This capability prevents premature failure and downtime of hosted systems.</p> <p>ARMY KNOWLEDGE ONLINE (AKO) WIRELESS CAPABILITY: The Army has fielded over 30,000 handheld wireless devices, which are serviced from over 1,000 Enterprise server systems. An AKO wireless capability will utilize those existing handheld devices already in use by the Army. The AKO wireless solution will have the same functionality as the existing unit specific deployments: wireless access to email, calendar, tasks, and address book. The wireless access will use secure access from the handheld to the server via Secure Socket Layer (SSL) or another approved encryption service. The handheld will utilize the existing DoD Public Key Infrastructure (PKI) to sign and encrypt email and to authenticate onto the handheld device. Most units have unit-specific email and wireless services. These separate islands of information, while responsive and useful to the owning unit, do very little to promote the concept of knowledge sharing across the enterprise and drain significant fiscal resources from other Army demands. A study concluded AKO can consolidate over 1000 Army email deployments and save 280 million dollars every year by providing an AKO wireless solution. Not only will this consolidation or replacement save the Army a billion dollars throughout the next four years, it will also relieve the warfighting units from the complexity of running their own email services.</p> <p>AKO TESTING FACILITY: AKO/Defense Knowledge Online (DKO) has full system implementation at Fort (Ft) Belvoir and the Disaster Recovery (DR) site to ensure Continuity of Operations Plan (COOP) capability. AKO/DKO constantly seeks new tools, technologies, and processes that will enhance the user/Warfighter experience. Major implementations/upgrades demand much design, engineering, and testing that could possibly require a year or more to complete before it can be moved into the production environment. Since AKO/DKO lacks a test environment, the inactive location is brought offline and used for development and testing which exposes AKO/DKO to heightened risk if an actual COOP situation should occur. A test environment with appropriate tools will enable AKO/DKO to load test code changes and new tools/applications/functions before they are introduced to production where an outage could extend beyond the initial cause. A dedicated test environment will allow AKO/DKO to rigorously test these tools/technologies against example data/applications to validate vendor claims and assess the potential value to the Warfighter thus allowing the deployed Warfighter to access data when needed without delays or interruption. Implementing new technologies without proper testing, increases the likelihood that service to the Warfighter will be degraded or interrupted completely. The cessation of AKO operations will thereby deny units and soldiers the ability to collaborate effectively across strategic, operational, and tactical echelons.</p> <p>Justification: DESCRIPTION (continued) AKO FORWARD (AKO-F): AKO provides communications and Knowledge Management (KM) capabilities (email, instant messaging, chat, file sharing, threaded discussions, etc.) throughout the Army 24-hours-a-day/7-days-a-week. AKO-F is a forward instance of AKO equipment and services providing AKO capabilities with increased speed of delivery and reduced bandwidth utilization to theaters of limited communications support. AKO-F executes a distributed AKO architecture for deployed units to improve the reliability and responsiveness of AKO services and the availability of AKO data in a technically and programmatically prudent manner and provides a hosting site for other theater level applications. It will allow deployed Warfighters continued access to data without delays or interruption and reduces the Army's total Information Technology (IT) footprint while serving as a single secure point of access to critical systems and data in theater. AKO-F will eliminate duplication, streamline functions, and ensure interoperability as part of the effort to build a Service Oriented Architecture that enables data fusion across the battle space. AKO-F will provide a forward deployed platform that will better support soldiers in Southwest Asia and facilitate the immediate transfer of classified information by allowing the dissemination of captured documents to translators.</p>		

Exhibit P-40, Budget Item Justification Sheet		Date: February 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>AKO SOLUTION: As a single point of entry into a robust and scalable knowledge management system, AKO and AKO-Secret (AKO-S) provides enterprise-level services to the entire Army, to include military, civilian, and the retiree population, totaling more than 1.8 million users. AKO and AKO-S provide premier enterprise web portal functions, tools and services (Single Sign On (SSO), community pages, shared files, instant messaging, video messaging, storage, applications, and document collaboration), which are critical to soldier unit operations, morale to the Warfighter, and greater Army community. It is the single Army portal for authenticating in-theater users and deployed soldiers thereby providing them the ability to collaborate effectively and securely across strategic, operational, and tactical echelons. AKO provides essential services which Warfighters use to conduct daily key unit operations and connectivity to Family Readiness Groups (FRG). FY09 AKO Baseline will move to BE4161 during the President's Budget cycle.</p> <p>JUSTIFICATION FY 2009 Global War on Terrorism (GWOT) funds: PITI LIFE CYCLE REPLACEMENT OF CCSP will procure an upgrade to the Pentagon system capabilities to ensure operational capability is maintained. Upgrades include: security (firewalls and intrusion detection systems); enterprise systems management capabilities (integration of telemetry from multiple systems for a common operating picture of mission readiness); self-healing optical network that carries the Pentagon's voice and data traffic; network with Internet Protocol Version 6 (IPv6); capable core and edge network routers; switches; and encryption devices.</p> <p>PITI CONSOLIDATED SERVER FARM BLADE SERVER VIRTUALIZATION will procure a high-performance classified and unclassified blade server infrastructure, including blade server backplanes, server chassis, cabling to server space, environmental control components, software, physical access control components, installation, and configuration of this infrastructure.</p> <p>PITI CONSOLIDATED SERVER FARM BLADE SERVER COMPUTING will procure additional blade server hardware to facilitate the move of current systems onto blade processing platforms.</p> <p>PITI CONSOLIDATED SERVER FARM SOFTWARE INFRASTRUCTURE will procure management software for performing centralized management for the PIT Consolidated Blade Server Farm.</p> <p>PITI CONSOLIDATED SERVER FARM STORAGE will procure an additional 40 terabytes of disk storage which is accessible by servers hosted in the Pentagon Consolidated Server Farm.</p> <p>PITI SERVER FARM INFRASTRUCTURE MONITORING will procure environmental monitoring sensors (temperature and air-flow), displays, and environmental management and reporting servers.</p> <p>AKO WIRELESS CAPABILITY will procure servers, the initial software and enterprise licenses, engineering support, installation, and implementation costs. By providing the wireless solution, AKO will provide the same capability that a unit specific email solution provides and will replace these systems with a more efficient and streamlined solution.</p> <p>AKO TESTING FACILITY will procure a test environment that will allow AKO/DKO to install test, document, and package software upgrades, security patches, and similar code in a controlled environment. Technical and business issues will be identified and risks mitigated before code is introduced into production, streamlining the actual production installation, improving the quality of the implementation, and reducing the probability of errors and potential outages.</p> <p>AKO-F will procure servers, software and enterprise licenses, installation, and implementation costs.</p> <p>AKO SOLUTION will procure the network servers, storage, and all supporting hardware, to include environmental hardware such as uninterrupted power supplies, applicable software, enterprise licenses, and associated installation and implementation costs. The equivalent hardware and software of the current solution need to be purchased by the government to allow AKO to provide continuous service to the Warfighter and the ever-growing population of AKO users.</p>		

Exhibit P-5, Weapon OPA2 Cost Analysis		Appropriation/Budget Activity/Serial No: Other Procurement, Army / 2 / Communications and Electronics Equipment			P-1 Line Item Nomenclature: HQ MANAGEMENT INFORMATION SYSTEMS (BE4161)			Weapon System Type:		Date: February 2009	
OPA2 Cost Elements		ID	FY 07			FY 08			FY 09		
		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
FY 2009 GWOT											
Pentagon Information Technology (IT)											
Infrastructure (PITI) Hardware/Software											
-Life Cycle Replacement of Command		A							16000		
Communications Survivability Program											
(CCSP)											
-Consolidated Server Farm Blade											
Server Virtualization		A							2594		
-Consolidated Server Farm Blade Server											
Computing		A							587		
-Consolidated Server Farm Software											
Infrastructure		A							840		
-Consolidated Server Farm Storage		A							448		
-Server Farm Infrastructure Monitoring		A							687		
.											
Army Knowledge Online (AKO)											
Hardware and Software											
-Wireless Capability		A							5000		
-Testing Facility		A							11000		
-AKO-Forward (AKO-F)		A							12000		
-AKO Solution		A							20300		
Total:									69456		

Exhibit P-5a, Budget Procurement History and Planning									Date: February 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 2009 GWOT											
Pentagon Information Technology (IT)											
Infrastructure (PITI) Hardware/Software											
-Life Cycle Replacement of Command Communications Survivability Program (CCSP)											
FY 2009	TBS		C/FP	TBS	VAR	VAR			YES		
-Consolidated Server Farm Blade Server Virtualization											
FY 2009	TBS		C/FP	TBS	VAR	VAR			YES		
-Consolidated Server Farm Blade Server Computing											
FY 2009	TBS		C/FP	TBS	VAR	VAR			YES		
-Consolidated Server Farm Software Infrastructure											
FY 2009	TBS		C/FP	TBS	VAR	VAR			YES		
-Consolidated Server Farm Storage											
FY 2009	TBS		C/FP	TBS	VAR	VAR			YES		
-Server Farm Infrastructure Monitoring											
FY 2009	TBS		C/FP	TBS	VAR	VAR			YES		
Army Knowledge Online (AKO) Hardware and Software											
-Wireless Capability											
FY 2009	TBS		C/FP	TBS	VAR	VAR			YES		
-Testing Facility											
FY 2009	TBS		C/FP	TBS	VAR	VAR			YES		
-AKO-Forward (AKO-F)											
FY 2009	TBS		C/FP	TBS	VAR	VAR			YES		
-AKO Solution											

Exhibit P-5a, Budget Procurement History and Planning									Date: February 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 2009		TBS		C/FP	TBS	VAR	VAR			YES		
<p>REMARKS: TBS - To Be Selected VAR - Multiple contracts awarded/delivered throughout the year.</p>												

Exhibit P-40, Budget Item Justification Sheet								Date: <div style="text-align: right;">February 2009</div>		
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 2007	FY 2008	FY 2009	FY 2010	FY 2011	FY 2012	FY 2013	To Complete	Total Prog
Proc Qty										
Gross Cost				3.4						3.4
Less PY Adv Proc										
Plus CY Adv Proc										
Net Proc P1				3.4						3.4
Initial Spares										
Total Proc Cost				3.4						3.4
Flyaway U/C										
Weapon System Proc U/C										
<p>Description: TACTICAL NETWORK ENCRYPTION EQUIPMENT: This initiative provides Army-fielded tactical encryption equipment to train Signal Officers, warrants, and Noncommissioned Officers (NCOs) on the encryption devices commonly used on DoD networks. This network encryption and test equipment also supports training officers attending the Senior Captains Career Course, the Signal Staff Officer (S-6) Course, and Joint Command, Control, Communications, and Computers (C4) Planners course. The equipment is vital to Joint Network Transport Capability - Spiral (JNRC-S) training and supports essential training laboratories. Signal leaders attempting to attain the necessary skills and knowledge through on-the-job training (OJT) may endanger their fellow soldiers and degrade mission accomplishment resulting in confusion and loss of communications at critical junctures.</p> <p>LIFELONG LEARNING CENTER (LLC): LLC is the digital hub of the Army's lifelong learning process where standardized proponent content is developed, stored, and delivered to Soldiers (Active and Reserve Components) and Department of the Army (DA) Civilians, using cost effective mix of new information technologies and education methods.</p> <p>INSTITUTIONAL DIGITAL EDUCATION PLAN (IDEP): IDEP is TRADOC's Army Digital Training Strategy (ADTS) to integrate Army Battle Command System (ABCS) digital training capabilities into the Army School System. IDEP supports the development and implementation of non-type classified ABCS training and ABCS System of Systems (SoS) training at specified TRADOC Centers of Excellence. TRADOC schools and centers do not have the required equipment, or integrated digital staff processes in all courses to provide a steady supply of trained battle command operators, maintainers, information integrators, decision makers, and leaders to sustain manning of Stryker Brigades and digitized Current Force.</p> <p>Justification: FY 2009 Global War on Terrorism (GWOT) funds:</p> <p>TACTICAL NETWORK EQUIPMENT will procure Tactical Local Area Network Encryption (TACLANE) and SECTERA encryption equipment.</p> <p>LIFELONG LEARNING CENTER (LLC) will procure equipment, software, servers, workstations, and switches.</p>										

Exhibit P-40, Budget Item Justification Sheet		Date: February 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>INSTITUTIONAL DIGITAL EDUCATION PLAN (IDEP) will procure virtualization software, servers, firewalls, workstations, and monitoring equipment.</p>		

Exhibit P-5, Weapon OPA2 Cost Analysis	Appropriation/Budget Activity/Serial No: Other Procurement, Army / 2 / Communications and Electronics Equipment			P-1 Line Item Nomenclature: MACOM AUTOMATION SYSTEMS (BE4162)			Weapon System Type:		Date: February 2009				
	OPA2 Cost Elements			ID CD	FY 07 Total CostQtyUnit Cost		FY 08 Total CostQtyUnit Cost		FY 09 Total CostQtyUnit Cost				
					\$000	Each	\$000	\$000	Each	\$000	\$000	Each	\$000
FY 2009 GWOT													
Tactical Network Encryption Hardware				A							400		
.													
Lifelong Learning Center Hardware/ Software				A							2000		
.													
Institutional Digital Education Plan (IDEP) Hardware/Software				A							1000		
Total:											3400		

Exhibit P-5a, Budget Procurement History and Planning										Date: February 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 2009 GWOT											
Tactical Network Encryption Hardware											
FY 2009	TBS		C/FP	TBS	VAR	VAR			YES		
Lifelong Learning Center Hardware/											
Software											
FY 2009	TBS		C/FP	TBS	VAR	VAR			YES		
Institutional Digital Education Plan											
(IDEP) Hardware/Software											
FY 2009	TBS		C/FP	TBS	VAR	VAR			YES		
REMARKS: TBS - To Be Selected VAR - Multiple contracts awarded/delivered throughout the year											

Exhibit P-40, Budget Item Justification Sheet								Date: <div style="text-align: right;">February 2009</div>																		
Appropriation / Budget Activity / Serial No: <small>Other Procurement, Army / 2 / Communications and Electronics Equipment</small>					P-1 Item Nomenclature <small>CSS COMMUNICATIONS (BD3501)</small>																					
Program Elements for Code B Items:			Code:		Other Related Program Elements:																					
	Prior Years	FY 2007	FY 2008	FY 2009	FY 2010	FY 2011	FY 2012	FY 2013	To Complete	Total Prog																
Proc Qty																										
Gross Cost				48.3						48.3																
Less PY Adv Proc																										
Plus CY Adv Proc																										
Net Proc P1				48.3						48.3																
Initial Spares																										
Total Proc Cost				48.3						48.3																
Flyaway U/C																										
Weapon System Proc U/C																										
<p>Description: This program supports the Army's battlefield logistic communication requirements under two programs:</p> <p>COMBAT SERVICE SUPPORT AUTOMATION INFORMATION SYSTEM INTERFACE (CAISI): CAISI is an interface device providing a means for Combat Service Support (CSS) users to transmit data in a secure mode in the tactical environment. CAISI can interface with the Mobile Subscriber Equipment (MSE), tactical radio, commercial satellite, and garrison local area network. It adds connectivity to the battlefield and is the backbone of the Sensitive But Unclassified (SBU) network supporting the CSS automation community on the battlefield. CAISI will allow Combat troops to communicate real-time logistics information to reach-back commands. CAISI will allow the implementation of the Army's Connect the Logistician Program.</p> <p>COMBAT SERVICE SUPPORT SATELLITE COMMUNICATIONS (CSS SATCOM): CSS SATCOM uses commercial satellite technology to deliver a satellite-based, global, wide area data network supporting current and future CSS information systems in the logistics, personnel and medial domains. Key aspects of the CSS SATCOM network include: Fully Internet Protocol (IP) based connection to the Defense Department's Non-secure Internet Protocol Router Network (NIPRNET); data transport up to sensitive unclassified level; remote satellite terminals (also called Very Small Aperture Terminals (VSAT)) are Soldier owned and operated by CSS units; four commercially owned, contractor operated teleports provide worldwide coverage; a 7/24/365 commercial network management center and helpdesk located in the Continental United States (CONUS) manages the CSS SATCOM Network. CSS SATCOM is essential to the Connect the Logistician Program.</p> <p>Justification: FY09 Global War on Terrorism (GWOT) funding procures hardware and integration of CAISI modules and CSS SATCOM terminals that enable Combat troops to communicate real-time logistics information to reach-back commands and are critical components of the Army Connect the Logistician program. Additionally, the GWOT funding procures the associated costs of fielding new equipment, training, and additional infrastructure associated with supporting deployable Army forces worldwide.</p> <table style="width: 100%; border-collapse: collapse;"> <tr> <td></td> <td style="text-align: center;">OEF</td> <td style="text-align: center;">OIF</td> <td style="text-align: center;">Total</td> </tr> <tr> <td>FY09 GWOT Requirmenmt:</td> <td style="text-align: right;">\$22.536 million</td> <td style="text-align: right;">\$25.718 million</td> <td style="text-align: right;">\$48,254 million</td> </tr> <tr> <td>FY09 Bridge Enacted:</td> <td style="text-align: right;">\$00.000 million</td> <td style="text-align: right;">\$00.000 million</td> <td style="text-align: right;">\$00.000 million</td> </tr> <tr> <td>FY09 Remining GWOT Request:</td> <td style="text-align: right;">\$22.536 million</td> <td style="text-align: right;">\$25.718 million</td> <td style="text-align: right;">\$48,254 million</td> </tr> </table>												OEF	OIF	Total	FY09 GWOT Requirmenmt:	\$22.536 million	\$25.718 million	\$48,254 million	FY09 Bridge Enacted:	\$00.000 million	\$00.000 million	\$00.000 million	FY09 Remining GWOT Request:	\$22.536 million	\$25.718 million	\$48,254 million
	OEF	OIF	Total																							
FY09 GWOT Requirmenmt:	\$22.536 million	\$25.718 million	\$48,254 million																							
FY09 Bridge Enacted:	\$00.000 million	\$00.000 million	\$00.000 million																							
FY09 Remining GWOT Request:	\$22.536 million	\$25.718 million	\$48,254 million																							

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: CSS COMMUNICATIONS (BD3501)			Weapon System Type:		Date: February 2009		
OPA2 Cost Elements		ID	FY 07			FY 08			FY 09		
		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
GWOT											
Info System Interface (CAISI)									35000		
Sat Communications (CSS SATCOM)									13254		
Total:									48254		

Exhibit P-40, Budget Item Justification Sheet								Date: <div style="text-align: right;">February 2009</div>		
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 2007	FY 2008	FY 2009	FY 2010	FY 2011	FY 2012	FY 2013	To Complete	Total Prog
Proc Qty										
Gross Cost				35.0						35.0
Less PY Adv Proc										
Plus CY Adv Proc										
Net Proc P1				35.0						35.0
Initial Spares										
Total Proc Cost				35.0						35.0
Flyaway U/C										
Weapon System Proc U/C										
<p>Description: COMBAT SERVICE SUPPORT AUTOMATION INFORMATION SYSTEM INTERFACE (CAISI) is an interface device providing a means for Combat Service Support (CSS) users to transmit in a secure mode in the tactical environment. CAISI can interface with the Mobile Subscriber Equipment (MSE), tactical radio, commercial satellite, and garrison local area network. It adds connectivity to the battlefield and is the backbone of the Sensitive But Unclassified (SBU) network supporting the CSS automation community on the battlefield.</p> <p>Justification: FY09 GWOT funds will procure additional CAISI capability required to satisfy prioritized requirements for deployers. Additionally, procurement allows systems to be provided to the institutional training base in sufficient quantities for inclusion into the TRADOC Programs of Instruction (POI), thus, enabling a quicker migration from the current version 1.1 to the enhanced and robust capability provided by version 2.0. This provides the warfighter a more sustainable product that will enhance their direct support of GWOT.</p>										

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: CAISI (BD3512)						Weapon System Type:			Date: February 2009		
OPA2 Cost Elements										ID		FY 07			FY 08			FY 09								
										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			
GWOT										A A											5600		466	12		
System Support Rep Kit Hardware																					29400		5880	5		
CAISI Bridge Module Hardware																										
Total:																			35000							

<div> <div>Exhibit P-5a, Budget Procurement History and Planning</div> <div>Date: February 2009</div> </div>										
Appropriation/Budget Activity/Serial No: Other Procurement, Army/ 2/ Communications and Electronics Equipment		Weapon System Type:	P-1 Line Item Nomenclature: CAISI (BD3512)							
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
GWOT System Support Rep Kit Hardware FY 2009 CAISI Bridge Module Hardware FY 2009	Tobyhanna Army Depot Tobyhanna, PA Tobyhanna Army Depot Tobyhanna, PA	WR WR	CECOM, Ft. Monmouth, NJ CECOM, Ft. Monmouth, NJ	TBD TBD	TBD TBD	466 5880	12 5			
REMARKS: These are COTS items.										

Exhibit P-40, Budget Item Justification Sheet								Date: <div style="text-align: right;">February 2009</div>		
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 2007	FY 2008	FY 2009	FY 2010	FY 2011	FY 2012	FY 2013	To Complete	Total Prog
Proc Qty										
Gross Cost				13.3						13.3
Less PY Adv Proc										
Plus CY Adv Proc										
Net Proc P1				13.3						13.3
Initial Spares										
Total Proc Cost				13.3						13.3
Flyaway U/C										
Weapon System Proc U/C										
<p>Description: 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 But Unclassified (SBU) 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). The CSS SATCOM System provides the Modified Table of Organization and Equipment (MTOE) for deployable CSS forces.</p> <p>Justification: FY09 Global War on Terrorism (GWOT) funding procures 177 remote satellite terminals. Additionally, the GWOT funding procures the associated costs of fielding, new equipment training, additional infrastructure equipment, and other critical requirements associated with supporting deployable Army forces worldwide.</p>										

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: CSS SATCOM (BD3513)			Weapon System Type:		Date: February 2009			
OPA2 Cost Elements			ID	FY 07			FY 08			FY 09		
			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
GWOT VSAT for CSS			A							13254	177	75
Total:										13254		

<div> <div>Exhibit P-5a, Budget Procurement History and Planning</div> <div>Date: February 2009</div> </div>											
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
GWOT VSAT for CSS FY 2009	WSS CONTRACTORS Fort Monmouth, NJ		IDIQ	CECOM, Ft. Monmouth, NJ	TBD	TBD	177	75			
REMARKS: These are COTS items.											

Exhibit P-40, Budget Item Justification Sheet								Date: <div style="text-align: right;">February 2009</div>														
Appropriation / Budget Activity / Serial No: <small>Other Procurement, Army / 2 / Communications and Electronics Equipment</small>					P-1 Item Nomenclature <small>BASE EXPEDITIONARY TARGETING AND SURV SYS (BZ6501)</small>																	
Program Elements for Code B Items:			Code:		Other Related Program Elements:																	
	Prior Years	FY 2007	FY 2008	FY 2009	FY 2010	FY 2011	FY 2012	FY 2013	To Complete	Total Prog												
Proc Qty																						
Gross Cost				280.5						280.5												
Less PY Adv Proc																						
Plus CY Adv Proc																						
Net Proc P1				280.5						280.5												
Initial Spares																						
Total Proc Cost				280.5						280.5												
Flyaway U/C																						
Weapon System Proc U/C																						
<p>Description: 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), Cerberus, Force Protection Suite (FPS), Mid Range Thermal Imagers (MRTI) and Ancillary Equipment.</p> <p>Justification: FY09 Global War on Terrorism (GWOT) funds will procure a combination of 175 BETSS-C systems to support Army's OEF requirements. At the direction of HQDA, BETSS-C is funding the sustainment of the JIEDDO procured quantities as well.</p> <p>Quantities: Rapid Aerostat Initial Deployment-Tower (RAID)- 32 Cerberus- 53 Force Protection Suite (FPS)- 16 Mid Range Thermal Imagers (MRTI)- 74 Ancillary Equipment</p> <p>Funding also provides for procurement of initial spares, home station training training, associated fielding and new equipment training team (NET) requirements, field sustainment personnel and contractor logistic support.</p> <table style="width: 100%; margin-top: 20px;"> <tr> <td></td> <td style="text-align: right;">OIF</td> <td style="text-align: right;">OEF</td> <td style="text-align: right;">TOTAL</td> </tr> <tr> <td>FY 2009 GWOT Requirement:</td> <td style="text-align: right;">\$0.00 Million</td> <td style="text-align: right;">\$280.50 Million</td> <td style="text-align: right;">\$280.50 Million</td> </tr> <tr> <td>FY 2009 Bridge enacted**:</td> <td style="text-align: right;">\$0.00 Million</td> <td style="text-align: right;">\$0.00 Million</td> <td style="text-align: right;">\$0.00 Million</td> </tr> </table>												OIF	OEF	TOTAL	FY 2009 GWOT Requirement:	\$0.00 Million	\$280.50 Million	\$280.50 Million	FY 2009 Bridge enacted**:	\$0.00 Million	\$0.00 Million	\$0.00 Million
	OIF	OEF	TOTAL																			
FY 2009 GWOT Requirement:	\$0.00 Million	\$280.50 Million	\$280.50 Million																			
FY 2009 Bridge enacted**:	\$0.00 Million	\$0.00 Million	\$0.00 Million																			

Exhibit P-40, Budget Item Justification Sheet			Date: February 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:	
FY 2009 Remaining GWOT Request: \$0.00 Million \$280.50 Million \$280.50 Million			

Exhibit P-5, Weapon OPA2 Cost Analysis	Appropriation/Budget Activity/Serial No: Other Procurement, Army / 2 / Communications and Electronics Equipment			P-1 Line Item Nomenclature: BASE EXPEDITIONARY TARGETING AND SURV SYS (BZ6501)			Weapon System Type:		Date: February 2009		
OPA2 Cost Elements		ID	FY 07			FY 08			FY 09		
		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
FY2009 GWOT											
RAID									40422	32	1263
Cerberus									35053	53	661
FPS									38466	16	2404
MRTI									5883	74	80
Ancillary Equipment									15116		
Hardware (BETSS-C)									134940		
Initial Spares									33203		
Fielding/Transport, FSR, Site Survey									1672		
Fielding Engineering Support									72589		
Home Station Training									6666		
Contractor Logistics Support									31430		
Total:									280500		

Exhibit P-5a, Budget Procurement History and Planning										Date: February 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
RAID		Raytheon Andover, MA		TBD	Huntsville	Sep 09	Jan 10	32	1263	Y		
FY 2009												
Cerberus												
FY 2009												
ICX		Atlanta, GA		SS	CECOM	Sep 09	Jan 10	53	661	Y		
FPS												
FY 2009												
MRTI												
FY 2009		Exponent Phoenix, AZ		CC	CECOM	Sep 09	Jan 10	74	80	Y		
REMARKS: The below lists the planned procurement of the component systems and anticipated monthly delivery schedule: Rapid Aerostat Initial Deployment-Tower (RAID)- 32 Cerberus- 53 Force Protection Suite (FPS)- 16 Mid Range Thermal Imagers (MRTI)- 74												

FY 09 / 10 BUDGET PRODUCTION SCHEDULE														P-1 ITEM NOMENCLATURE BASE EXPEDITIONARY TARGETING AND SURV SYS (BZ6501)										Date: February 2009										
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					
RAID																																		
1	FY 09	A		32	0	32			1									A					16	16								0		
Cerberus																																		
2	FY 09	A		53	0	53												A					9	9	9	9	9	8				0		
FPS																																		
3	FY 09	A		16	0	16												A					6	5	5							0		
MRTI																																		
4	FY 09	A		74	0	74												A					18	18	19	19						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	1	11	
1	Raytheon, Andover, MA	1	16	16			Reorder	0	0	0	0	
2	ICX, Atlanta, GA	1	9	9		2	Initial	1	11	4	15	
3	Northrop Grumman, Carson, CA	1	5	6			Reorder	0	0	0	0	
4	Exponent, Phoenix, AZ	1	18	19		3	Initial	1	11	4	15	
							Reorder	0	0	0	0	
						4	Initial	1	11	4	15	
							Reorder	0	0	0	0	
							Initial					
							Reorder					

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