

UNCLASSIFIED

**Department of Defense
Fiscal Year (FY) 2016 President's Budget Submission**

February 2015



Army

Justification Book of

Other Procurement, Army

Communications and Electronics Equipment, Budget Activity 2

UNCLASSIFIED

The following Justification Books were prepared at a cost of \$1,187,353.84: Aircraft (ACFT), Missile (MSLS), Weapons & Tracked Combat Vehicles (WTCV), Ammunition (AMMO), Other Procurement Army (OPA) 1 - Tactical & Support Vehicles, Other Procurement Army (OPA) 2 - Communications & Electronics, Other Procurement Army (OPA) 3 & 4 - Other Support Equipment & Spares, Research, Development, Test and Evaluation (RDTE) for: Budget Activity 1, Budget Activity 2, Budget Activity 3, Budget Activity 4, Budget Activity 5A, Budget Activity 5B, Budget Activity 6, and Budget Activity 7.

UNCLASSIFIED

Department of the Army
 FY 2016 President's Budget
 Exhibit P-1 FY 2016 President's Budget
 Total Obligational Authority
 (Dollars in Thousands)

29 Jan 2015

Appropriation: 2035A Other Procurement, Army

Line No	Item Nomenclature	Ident Code	FY 2014 (Base & OCO)		FY 2015 Base Enacted		FY 2015 OCO Enacted		FY 2015 Total Enacted		S e c
			Quantity	Cost	Quantity	Cost	Quantity	Cost	Quantity	Cost	
Budget Activity 02: Communications and Electronics Equipment											

Comm - Joint Communications											
16	Win-T - Ground Forces Tactical Network	A	1537	657,477		664,087			664,087		U
17	Signal Modernization Program	A		620		21,157			21,157		U
18	Joint Incident Site Communications Capability	A		7,869		7,915			7,915		U
19	JCSE Equipment (USREDCOM)			5,296		3,540			3,540		U
Comm - Satellite Communications											
20	Defense Enterprise Wideband Satcom Systems			57,275		118,085			118,085		U
21	Transportable Tactical Command Communications	A				13,999			13,999		U
22	SHF Term			7,232		6,494			6,494		U
23	Navstar Global Positioning System (SPACE)	B		2,000		1,635			1,635		U
24	Smart-T (SPACE)			13,992		11,454			11,454		U
25	Global Brdcst Svc - GBS			10,206		18,899			18,899		U
26	Mod of In-Svc Equip (TAC SAT)			2,778		2,849			2,849		U
27	Enroute Mission Command (EMC)	A				100,000			100,000		U
Comm - C3 System											
28	Army Global Cmd & Control Sys (AGCCS)	A		2,590							U
Comm - Combat Communications											
29	Joint Tactical Radio System	A		247,000		40,711			40,711		U
30	Mid-Tier Networking Vehicular Radio (MNVR)	A		19,200		4,692			4,692		U
31	Radio Terminal Set, Mids Lvt(2)	A		1,438		15,698			15,698		U

P-1C1: FY 2016 President's Budget (Published Version of PB Position), as of January 29, 2015 at 14:16:27

UNCLASSIFIED

Page A-1

UNCLASSIFIED

Department of the Army
 FY 2016 President's Budget
 Exhibit P-1 FY 2016 President's Budget
 Total Obligational Authority
 (Dollars in Thousands)

29 Jan 2015

Appropriation: 2035A Other Procurement, Army

Line No	Item Nomenclature	Ident Code	FY 2016 Base		FY 2016 OCO		FY 2016 Total		S e c
			Quantity	Cost	Quantity	Cost	Quantity	Cost	
Budget Activity 02: Communications and Electronics Equipment									

Comm - Joint Communications									
16	Win-T - Ground Forces Tactical Network	A		783,116				783,116	U
17	Signal Modernization Program	A		49,898				49,898	U
18	Joint Incident Site Communications Capability	A		4,062				4,062	U
19	JCSE Equipment (USREDCOM)			5,008				5,008	U
Comm - Satellite Communications									
20	Defense Enterprise Wideband Satcom Systems			196,306				196,306	U
21	Transportable Tactical Command Communications	A		44,998		5,724		50,722	U
22	SHF Term			7,629				7,629	U
23	Navstar Global Positioning System (SPACE)	B		14,027				14,027	U
24	Smart-T (SPACE)			13,453				13,453	U
25	Global Brdcst Svc - GBS			6,265				6,265	U
26	Mod of In-Svc Equip (TAC SAT)			1,042				1,042	U
27	Enroute Mission Command (EMC)	A		7,116				7,116	U
Comm - C3 System									
28	Army Global Cmd & Control Sys (AGCCS)	A		10,137				10,137	U
Comm - Combat Communications									
29	Joint Tactical Radio System	A		64,640				64,640	U
30	Mid-Tier Networking Vehicular Radio (MNVR)	A		27,762				27,762	U
31	Radio Terminal Set, Mids Lvt(2)	A		9,422				9,422	U

P-1C1: FY 2016 President's Budget (Published Version of PB Position), as of January 29, 2015 at 14:16:27

UNCLASSIFIED

Page A-1A

UNCLASSIFIED

Department of the Army
 FY 2016 President's Budget
 Exhibit P-1 FY 2016 President's Budget
 Total Obligational Authority
 (Dollars in Thousands)

29 Jan 2015

Appropriation: 2035A Other Procurement, Army

Line No	Item Nomenclature	Ident Code	FY 2014 (Base & OCO)		FY 2015 Base Enacted		FY 2015 OCO Enacted		FY 2015 Total Enacted		S e c
			Quantity	Cost	Quantity	Cost	Quantity	Cost	Quantity	Cost	
32	AMC Critical Items - OPA2	A			22,099				22,099		U
33	Tractor Desk			6,271	3,724				3,724		U
34	Spider Apla Remote Control Unit	A			969				969		U
35	Spider Family of Networked Munitions Incr	A									U
36	Soldier Enhancement Program Comm/Electronics				294				294		U
37	Tactical Communications and Protective System	A		31,868	22,654				22,654		U
38	Unified Command Suite	A		8,000	17,445				17,445		U
39	Radio, Improved HF (COTS) Family	A			1,028				1,028		U
40	Family of Med Comm for Combat Casualty Care	A		19,367	22,614				22,614		U
	Comm - Intelligence Comm										
42	CI Automation Architecture	A		1,512	1,519				1,519		U
43	Army CA/MISO GPF Equipment	A		58,468	6,078				6,078		U
	Information Security										
44	Family of Biometrics	A		3,800							U
45	Information System Security Program-ISSP	A		13,245							U
46	Communications Security (COMSEC)	A		21,601	69,646				69,646		U
	Comm - Long Haul Communications										
47	Base Support Communications			29,795	28,913				28,913		U
	Comm - Base Communications										
48	Information Systems			76,157	97,091				97,091		U
49	Defense Message System (DMS)			612	246				246		U

P-1C1: FY 2016 President's Budget (Published Version of PB Position), as of January 29, 2015 at 14:16:27

UNCLASSIFIED

Department of the Army
 FY 2016 President's Budget
 Exhibit P-1 FY 2016 President's Budget
 Total Obligational Authority
 (Dollars in Thousands)

29 Jan 2015

Appropriation: 2035A Other Procurement, Army

Line No	Item Nomenclature	Ident Code	FY 2016 Base		FY 2016 OCO		FY 2016 Total		S e c
			Quantity	Cost	Quantity	Cost	Quantity	Cost	
32	AMC Critical Items - OPA2	A		26,020			26,020		U
33	Tractor Desk			4,073			4,073		U
34	Spider Apla Remote Control Unit	A		1,403			1,403		U
35	Spider Family of Networked Munitions Incr	A		9,199			9,199		U
36	Soldier Enhancement Program Comm/Electronics			349			349		U
37	Tactical Communications and Protective System	A		25,597			25,597		U
38	Unified Command Suite	A		21,854			21,854		U
39	Radio, Improved HF (COTS) Family	A							U
40	Family of Med Comm for Combat Casualty Care	A		24,388			24,388		U
	Comm - Intelligence Comm								
42	CI Automation Architecture	A		1,349			1,349		U
43	Army CA/MISO GPF Equipment	A		3,695			3,695		U
	Information Security								
44	Family of Biometrics	A							U
45	Information System Security Program-ISSP	A		19,920			19,920		U
46	Communications Security (COMSEC)	A		72,257			72,257		U
	Comm - Long Haul Communications								
47	Base Support Communications			16,082			16,082		U
	Comm - Base Communications								
48	Information Systems			86,037			86,037		U
49	Defense Message System (DMS)								U

P-1C1: FY 2016 President's Budget (Published Version of PB Position), as of January 29, 2015 at 14:16:27

UNCLASSIFIED

Page A-2A

UNCLASSIFIED

Department of the Army
 FY 2016 President's Budget
 Exhibit P-1 FY 2016 President's Budget
 Total Obligational Authority
 (Dollars in Thousands)

29 Jan 2015

Appropriation: 2035A Other Procurement, Army

Line No	Item Nomenclature	Ident Code	FY 2014 (Base & OCO)		FY 2015 Base Enacted		FY 2015 OCO Enacted		FY 2015 Total Enacted		S e c
			Quantity	Cost	Quantity	Cost	Quantity	Cost	Quantity	Cost	
50	Emergency Management Modernization Program	A		39,000		5,362				5,362	U
51	Installation Info Infrastructure Mod Program	A		279,300		79,965				79,965	U
	Elect Equip - Tact Int Rel Act (TIARA)										
54	JTT/CIBS-M	B		824		870				870	U
55	Prophet Ground			55,398		55,896				55,896	U
56	Drug Interdiction Program (Dip) (TIARA)			14,793							U
57	DCGS-A (MIP)		4145	137,990		128,207		63,831		192,038	U
58	Joint Tactical Ground Station (JTAGS)	A		9,899		5,286				5,286	U
59	Trojan (MIP)	B		18,171		12,614		2,600		15,214	U
60	Mod of In-Svc Equip (Intel Spt) (MIP)			1,927		3,901				3,901	U
61	CI HUMINT Auto Reprting and Coll(CHARCS)			12,149		7,392		6,910		14,302	U
62	Close Access Target Reconnaissance (CATR)										U
63	Machine Foreign Language Translation System-M	A									U
	Elect Equip - Electronic Warfare (EW)										
64	Lightweight Counter Mortar Radar	A		98,535		24,828				24,828	U
65	EW Planning & Management Tools (EWPMT)	A		13							U
66	Air Vigilance (AV)	A				7,000				7,000	U
67	Crew										U
68	Family Of Persistent Surveillance Capabilitie	A		15,300				32,083		32,083	U
69	Counterintelligence/Security Countermeasures			1,237		1,285		47,535		48,820	U
70	CI Modernization	A		1,399							U

P-1C1: FY 2016 President's Budget (Published Version of PB Position), as of January 29, 2015 at 14:16:27

UNCLASSIFIED

Department of the Army
 FY 2016 President's Budget
 Exhibit P-1 FY 2016 President's Budget
 Total Obligational Authority
 (Dollars in Thousands)

29 Jan 2015

Appropriation: 2035A Other Procurement, Army

Line No	Item Nomenclature	Ident Code	FY 2016 Base		FY 2016 OCO		FY 2016 Total		S e c
			Quantity	Cost	Quantity	Cost	Quantity	Cost	
50	Emergency Management Modernization Program	A		8,550			8,550		U
51	Installation Info Infrastructure Mod Program	A		73,496	29,500		102,996		U
	Elect Equip - Tact Int Rel Act (TIARA)								
54	JTT/CIBS-M	B		881			881		U
55	Prophet Ground			63,650			63,650		U
56	Drug Interdiction Program (Dip) (TIARA)								U
57	DCGS-A (MIP)			260,268	54,140		314,408		U
58	Joint Tactical Ground Station (JTAGS)	A		3,906			3,906		U
59	Trojan (MIP)	B		13,929	6,542		20,471		U
60	Mod of In-Svc Equip (Intel Spt) (MIP)			3,978			3,978		U
61	CI HUMINT Auto Reprting and Coll(CHARCS)			7,542	3,860		11,402		U
62	Close Access Target Reconnaissance (CATR)			8,010			8,010		U
63	Machine Foreign Language Translation System-M	A		8,125			8,125		U
	Elect Equip - Electronic Warfare (EW)								
64	Lightweight Counter Mortar Radar	A		63,472			63,472		U
65	EW Planning & Management Tools (EWPMT)	A		2,556			2,556		U
66	Air Vigilance (AV)	A		8,224			8,224		U
67	Crew			2,960			2,960		U
68	Family Of Persistent Surveillance Capabilitie	A		1,722	14,847		16,569		U
69	Counterintelligence/Security Countermeasures			447	19,535		19,982		U
70	CI Modernization	A		228			228		U

P-1C1: FY 2016 President's Budget (Published Version of PB Position), as of January 29, 2015 at 14:16:27

UNCLASSIFIED

Department of the Army
 FY 2016 President's Budget
 Exhibit P-1 FY 2016 President's Budget
 Total Obligational Authority
 (Dollars in Thousands)

29 Jan 2015

Appropriation: 2035A Other Procurement, Army

Line No	Item Nomenclature	Ident Code	FY 2014 (Base & OCO)		FY 2015 Base Enacted		FY 2015 OCO Enacted		FY 2015 Total Enacted		S e c
			Quantity	Cost	Quantity	Cost	Quantity	Cost	Quantity	Cost	
Elect Equip - Tactical Surv. (Tac Surv)											
71	Sentinel Mods			27,983		44,305				44,305	U
72	Night Vision Devices	A		153,993		138,601				138,601	U
73	Long Range Advanced Scout Surveillance System			5,183							U
74	Small Tactical Optical Rifle Mounted MLRF			22,300		18,520				18,520	U
75	Green Laser Interdiction System (GLIS)			516							U
76	Indirect Fire Protection Family of Systems	A		55,354		68,296				68,296	U
77	Family of Weapon Sights (FWS)	A		10,074		31,205				31,205	U
78	Artillery Accuracy Equip			2,634		4,896				4,896	U
79	Profiler			3,027		3,115				3,115	U
80	Mod of In-Svc Equip (Firefinder Radars)			1,185		4,186				4,186	U
81	Joint Battle Command - Platform (JBC-P)	A		65,379		87,892				87,892	U
82	Joint Effects Targeting System (JETS)										U
83	Mod of In-Svc Equip (LLDR)	A		38,037		14,085				14,085	U
84	Computer Ballistics: LHMBC XM32	A									U
85	Mortar Fire Control System			23,100		29,040				29,040	U
86	Counterfire Radars			348,557		159,050				159,050	U
Elect Equip - Tactical C2 Systems											
87	Fire Support C2 Family	A		38,828		13,823				13,823	U
88	Battle Command Sustainment Support System			3,000							U
89	Faad C2	A		4,607							U

P-1C1: FY 2016 President's Budget (Published Version of PB Position), as of January 29, 2015 at 14:16:27

Page A-4

UNCLASSIFIED

UNCLASSIFIED

Department of the Army
 FY 2016 President's Budget
 Exhibit P-1 FY 2016 President's Budget
 Total Obligational Authority
 (Dollars in Thousands)

29 Jan 2015

Appropriation: 2035A Other Procurement, Army

Line No	Item Nomenclature	Ident Code	FY 2016 Base		FY 2016 OCO		FY 2016 Total		S e c
			Quantity	Cost	Quantity	Cost	Quantity	Cost	
Elect Equip - Tactical Surv. (Tac Surv)									
71	Sentinel Mods			43,285				43,285	U
72	Night Vision Devices	A		124,216				124,216	U
73	Long Range Advanced Scout Surveillance System								U
74	Small Tactical Optical Rifle Mounted MLRF			23,216				23,216	U
75	Green Laser Interdiction System (GLIS)								U
76	Indirect Fire Protection Family of Systems	A		60,679				60,679	U
77	Family of Weapon Sights (FWS)	A		53,453				53,453	U
78	Artillery Accuracy Equip			3,338				3,338	U
79	Profiler			4,057				4,057	U
80	Mod of In-Svc Equip (Firefinder Radars)								U
81	Joint Battle Command - Platform (JBC-P)	A		133,339				133,339	U
82	Joint Effects Targeting System (JETS)			47,212				47,212	U
83	Mod of In-Svc Equip (LLDR)	A		22,314				22,314	U
84	Computer Ballistics: LHMBC XM32	A		12,131		2,601		14,732	U
85	Mortar Fire Control System			10,075				10,075	U
86	Counterfire Radars			217,379				217,379	U
Elect Equip - Tactical C2 Systems									
87	Fire Support C2 Family	A		1,190		48		1,238	U
88	Battle Command Sustainment Support System								U
89	Faad C2	A							U

P-1C1: FY 2016 President's Budget (Published Version of PB Position), as of January 29, 2015 at 14:16:27

UNCLASSIFIED

Page A-4A

UNCLASSIFIED

Department of the Army
 FY 2016 President's Budget
 Exhibit P-1 FY 2016 President's Budget
 Total Obligational Authority
 (Dollars in Thousands)

29 Jan 2015

Appropriation: 2035A Other Procurement, Army

Line No	Item Nomenclature	Ident Code	FY 2014 (Base & OCO)		FY 2015 Base Enacted		FY 2015 OCO Enacted		FY 2015 Total Enacted		S e c
			Quantity	Cost	Quantity	Cost	Quantity	Cost	Quantity	Cost	
90	AIR & MSL Defense Planning & Control Sys			13,090		27,374				27,374	U
91	IAMD Battle Command System	A									U
92	Life Cycle Software Support (LCSS)			1,795		2,508				2,508	U
93	Network Management Initialization and Service	A		19,327		21,524				21,524	U
94	Maneuver Control System (MCS)	A		18,179		95,455				95,455	U
95	Global Combat Support System-Army (GCSS-A)	A		71,936		118,600				118,600	U
96	Integrated Personnel and Pay System-Army (IPP)	A				16,970				16,970	U
97	Logistics Automation	A		15,476							U
98	Reconnaissance and Surveying Instrument Set	A		19,341		10,113				10,113	U
99	Mod of In-Svc Equipment (ENFIRE)	A									U
	Elect Equip - Automation										
100	Army Training Modernization			7,318		9,015				9,015	U
101	Automated Data Processing Equip			162,741		152,282				152,282	U
102	General Fund Enterprise Business Systems Fam	A		7,614		16,581				16,581	U
103	High Perf Computing Mod Pgm (HPCMP)	A		62,683		65,252				65,252	U
104	Reserve Component Automation Sys (RCAS)			34,951		17,631				17,631	U
	Elect Equip - Audio Visual Sys (A/V)										
105	Items Less Than \$5.0M (A/V)			324							U
106	Items Less Than \$5M (Surveying Equipment)			1,615		5,437				5,437	U
	Elect Equip - Support										
107	Production Base Support (C-E)			554		426				426	U

UNCLASSIFIED

Department of the Army
 FY 2016 President's Budget
 Exhibit P-1 FY 2016 President's Budget
 Total Obligational Authority
 (Dollars in Thousands)

29 Jan 2015

Appropriation: 2035A Other Procurement, Army

Line No	Item Nomenclature	Ident Code	FY 2016 Base		FY 2016 OCO		FY 2016 Total		S e c
			Quantity	Cost	Quantity	Cost	Quantity	Cost	
90	AIR & MSL Defense Planning & Control Sys			28,176			28,176		U
91	IAMD Battle Command System	A		20,917			20,917		U
92	Life Cycle Software Support (LCSS)			5,850			5,850		U
93	Network Management Initialization and Service	A		12,738			12,738		U
94	Maneuver Control System (MCS)	A		145,405		252	145,657		U
95	Global Combat Support System-Army (GCSS-A)	A		162,654			162,654		U
96	Integrated Personnel and Pay System-Army (IPP)	A		4,446			4,446		U
97	Logistics Automation	A							U
98	Reconnaissance and Surveying Instrument Set	A		16,218			16,218		U
99	Mod of In-Svc Equipment (ENFIRE)	A		1,138			1,138		U
	Elect Equip - Automation								
100	Army Training Modernization			12,089			12,089		U
101	Automated Data Processing Equip			105,775		652	106,427		U
102	General Fund Enterprise Business Systems Fam	A		18,995			18,995		U
103	High Perf Computing Mod Pgm (HPCMP)	A		62,319			62,319		U
104	Reserve Component Automation Sys (RCAS)			17,894			17,894		U
	Elect Equip - Audio Visual Sys (A/V)								
105	Items Less Than \$5.0M (A/V)								U
106	Items Less Than \$5M (Surveying Equipment)			4,242			4,242		U
	Elect Equip - Support								
107	Production Base Support (C-E)			425			425		U

P-1C1: FY 2016 President's Budget (Published Version of PB Position), as of January 29, 2015 at 14:16:27

UNCLASSIFIED

Page A-5A

UNCLASSIFIED

Department of the Army
 FY 2016 President's Budget
 Exhibit P-1 FY 2016 President's Budget
 Total Obligational Authority
 (Dollars in Thousands)

29 Jan 2015

Appropriation: 2035A Other Procurement, Army

Line No	Item Nomenclature	Ident Code	FY 2014 (Base & OCO)		FY 2015 Base Enacted		FY 2015 OCO Enacted		FY 2015 Total Enacted		S e c
			Quantity	Cost	Quantity	Cost	Quantity	Cost	Quantity	Cost	
108	BCT Emerging Technologies	A									U
999	Classified Programs			3,558		3,619		1,000		4,619	U
Total Communications and Electronics Equipment				3,235,863		2,837,942		153,959		2,991,901	

UNCLASSIFIED

Department of the Army
 FY 2016 President's Budget
 Exhibit P-1 FY 2016 President's Budget
 Total Obligational Authority
 (Dollars in Thousands)

29 Jan 2015

Appropriation: 2035A Other Procurement, Army

Line No	Item Nomenclature	Ident Code	FY 2016 Base		FY 2016 OCO		FY 2016 Total		S e c
			Quantity	Cost	Quantity	Cost	Quantity	Cost	
108	BCT Emerging Technologies	A		7,438				7,438	U
999	Classified Programs			6,467				6,467	U
Total Communications and Electronics Equipment				3,478,118		137,701		3,615,819	

UNCLASSIFIED

Army • President's Budget Submission FY 2016 • Procurement

Table of Contents

Line Item Table of Contents (by Appropriation then Line Number)..... ii
Line Item Table of Contents (Alphabetically by Line Item Title)..... viii
Exhibit P-40s..... 1

UNCLASSIFIED

Army • President's Budget Submission FY 2016 • Procurement

Line Item Table of Contents (by Appropriation then Line Number)

Appropriation 2035A: Other Procurement, Army

Line #	BA	BSA	Line Item Number	Line Item Title	Page
16	02	12	BW7100	WIN-T - Ground Forces Tactical Network.....	1
17	02	12	B00010	Signal Modernization Program.....	25
18	02	12	B00009	Joint Incident Site Communications Capability.....	33
19	02	12	BB5777	JCSE Equipment (USREDCOM).....	40
20	02	18	BB8500	Defense Enterprise Wideband Satcom Systems.....	43
21	02	18	B85800	Transportable Tactical Command Communications (T2C).....	60
22	02	18	BA9350	SHF Term.....	68
23	02	18	K47800	NAVSTAR Global Positioning System (SPACE).....	72
24	02	18	BC4002	SMART-T (SPACE).....	79
25	02	18	BC4120	Global Brdcst Svc - GBS.....	84
26	02	18	BB8417	Mod Of In-Svc Equip (TAC SAT).....	93
27	02	18	B08400	ENROUTE MISSION COMMAND (EMC).....	98
28	02	24	BA8250	Army Global Cmd & Control Sys (AGCCS).....	106
29	02	32	B90000	Joint Tactical Radio System.....	113
30	02	36	B51001	MID-TIER NETWORKING VEHICULAR RADIO (MNVR).....	126
31	02	32	B22603	Radio Terminal Set, MIDS LVT(2).....	133

UNCLASSIFIED

UNCLASSIFIED

Army • President's Budget Submission FY 2016 • Procurement

Appropriation 2035A: Other Procurement, Army

Line #	BA	BSA	Line Item Number	Line Item Title	Page
32	02	32	B19920	AMC Critical Items - OPA2.....	142
33	02	32	BC3000	TRACTOR DESK.....	152
34	02	32	B55501	SPIDER APLA Remote Control Unit.....	153
35	02	32	B54020	Spider Family of Networked Munitions Incr.....	157
36	02	32	BA5300	Soldier Enhancement Program Comm/Electronics.....	164
37	02	32	B55510	Tactical Communications And Protective System.....	165
38	02	32	B58601	Unified Command Suite.....	169
39	02	32	BU8100	Radio, Improved HF (COTS) Family.....	176
40	02	32	MA8000	Family of Med Comm for Combat Casualty Care.....	180
42	02	36	BK5284	CI Automation Architecture.....	185
43	02	36	BK6285	Army CA/MISO GPF Equipment.....	186
44	02	64	BA1300	FAMILY OF BIOMETRICS.....	194
45	02	64	TA0600	Information System Security Program-ISSP.....	197
46	02	64	B96000	Communications Security (COMSEC).....	204
47	02	72	BU4160	Base Support Communications.....	215
48	02	73	BB8650	Information Systems.....	219
49	02	73	BU3770	Defense Message System (DMS).....	229
50	02	73	BU8000	Emergency Management Modernization Program.....	231

UNCLASSIFIED

UNCLASSIFIED

Army • President's Budget Submission FY 2016 • Procurement

Appropriation 2035A: Other Procurement, Army

Line #	BA	BSA	Line Item Number	Line Item Title	Page
51	02	73	BU0500	Installation Info Infrastructure Mod Program.....	238
54	02	80	V29600	JTT/CIBS-M.....	250
55	02	80	BZ7326	Prophet Ground.....	252
56	02	80	BU4050	DRUG INTERDICTION PROGRAM (DIP) (TIARA).....	261
57	02	80	BZ7316	DCGS-A (MIP).....	262
58	02	80	BZ8401	Joint Tactical Ground Station (JTAGS).....	269
59	02	80	BA0326	TROJAN (MIP).....	274
60	02	80	BZ9750	Mod of In-Svc Equip (INTEL SPT) (MIP).....	280
61	02	80	BK5275	CI HUMINT Auto Reprting and Coll(CHARCS).....	287
62	02	80	B10001	Close Access Target Reconnaissance (CATR).....	293
63	02	80	B88605	Machine Foreign Language Translation System-MFLTS.....	296
64	02	83	B05201	Lightweight Counter Mortar Radar.....	300
65	02	83	K00002	EW Planning & Management Tools (EWPMT).....	309
66	02	83	W60001	Air Vigilance (AV).....	310
67	02	83	VA8000	CREW.....	316
68	02	83	BL5287	Family Of Persistent Surveillance Capabilities.....	317
69	02	83	BL5283	Counterintelligence/Security Countermeasures.....	325
70	02	83	BL5285	CI Modernization.....	326

UNCLASSIFIED

UNCLASSIFIED

Army • President's Budget Submission FY 2016 • Procurement

Appropriation 2035A: Other Procurement, Army

Line #	BA	BSA	Line Item Number	Line Item Title	Page
71	02	86	WK5057	Sentinel Mods.....	327
72	02	86	KA3500	Night Vision Devices.....	340
73	02	86	K38300	Long Range Advanced Scout Surveillance System.....	356
74	02	86	K35110	Small Tactical Optical Rifle Mounted MLRF.....	360
75	02	86	AD5311	Green Laser Interdiction System (GLIS).....	368
76	02	86	BZ0501	Indirect Fire Protection Family Of Systems.....	370
77	02	86	K22001	FAMILY OF WEAPON SIGHTS (FWS).....	377
78	02	86	AD3200	Artillery Accuracy Equip.....	386
79	02	86	K27900	Profiler.....	389
80	02	86	BZ7325	Mod Of In-Svc Equip (Firefinder Radars).....	394
81	02	86	W61990	JOINT BATTLE COMMAND - PLATFORM (JBC-P).....	396
82	02	86	K32101	JOINT EFFECTS TARGETING SYSTEM (JETS).....	406
83	02	86	KA3100	Mod Of In-Svc Equip (LLDR).....	415
84	02	86	K99200	Computer Ballistics: LHMBC XM32.....	421
85	02	86	K99300	Mortar Fire Control System.....	429
86	02	86	BA5500	Counterfire Radars.....	438
87	02	89	B28501	Fire Support C2 Family.....	447
88	02	89	W34600	Battle Command Sustainment Support System.....	462

UNCLASSIFIED

UNCLASSIFIED

Army • President's Budget Submission FY 2016 • Procurement

Appropriation 2035A: Other Procurement, Army

Line #	BA	BSA	Line Item Number	Line Item Title	Page
89	02	89	AD5050	FAAD C2.....	464
90	02	89	AD5070	AIR & MSL Defense Planning & Control Sys.....	468
91	02	89	BZ5075	IAMD Battle Command System.....	474
92	02	89	BD3955	Life Cycle Software Support (LCSS).....	478
93	02	89	BA9301	Network Management Initialization and Services.....	480
94	02	89	BA9320	Maneuver Control System (MCS).....	486
95	02	89	W30001	Global Combat Support System-Army (GCSS-A).....	492
96	02	89	B66701	Integrated Personnel and Pay System-Army (IPPS-A).....	500
97	02	89	W60002	Logistics Automation.....	505
98	02	89	BZ9966	Reconnaissance and Surveying Instrument Set.....	511
99	02	89	B99901	MOD of In-Svc Equipment (ENFIRE).....	517
100	02	92	BE4169	Army Training Modernization.....	521
101	02	92	BD3000	Automated Data Processing Equip.....	527
102	02	92	B55500	General Fund Enterprise Business Systems Fam.....	559
103	02	92	B66501	High Perf Computing Mod Pgm (HPCMP).....	563
104	02	92	BE4167	Reserve Component Automation Sys (RCAS).....	567
105	02	95	BK5289	Items Less Than \$5.0M (A/V).....	573
106	02	95	BL5300	Items Less Than \$5M (Surveying Equipment).....	577

UNCLASSIFIED

UNCLASSIFIED

Army • President's Budget Submission FY 2016 • Procurement

Appropriation 2035A: Other Procurement, Army

Line #	BA	BSA	Line Item Number	Line Item Title	Page
107	02	98	BF5400	Production Base Support (C-E).....	583
108	02	98	B88801	BCT Emerging Technologies.....	586
999	02	36	BD3910	Classified.....	589

UNCLASSIFIED

UNCLASSIFIED

Army • President's Budget Submission FY 2016 • Procurement

Line Item Table of Contents (Alphabetically by Line Item Title)

Line Item Title	Line Item Number	Line #	BA	BSA	Page
AIR & MSL Defense Planning & Control Sys	AD5070	90	02	89.....	468
AMC Critical Items - OPA2	B19920	32	02	32.....	142
Air Vigilance (AV)	W60001	66	02	83.....	310
Army CA/MISO GPF Equipment	BK6285	43	02	36.....	186
Army Global Cmd & Control Sys (AGCCS)	BA8250	28	02	24.....	106
Army Training Modernization	BE4169	100	02	92.....	521
Artillery Accuracy Equip	AD3200	78	02	86.....	386
Automated Data Processing Equip	BD3000	101	02	92.....	527
BCT Emerging Technologies	B88801	108	02	98.....	586
Base Support Communications	BU4160	47	02	72.....	215
Battle Command Sustainment Support System	W34600	88	02	89.....	462
CI Automation Architecture	BK5284	42	02	36.....	185
CI HUMINT Auto Reprting and Coll(CHARCS)	BK5275	61	02	80.....	287
CI Modernization	BL5285	70	02	83.....	326
CREW	VA8000	67	02	83.....	316
Classified	BD3910	999	02	36.....	589
Close Access Target Reconnaissance (CATR)	B10001	62	02	80.....	293

UNCLASSIFIED

UNCLASSIFIED

Army • President's Budget Submission FY 2016 • Procurement

Line Item Title	Line Item Number	Line #	BA	BSA	Page
Communications Security (COMSEC)	B96000	46	02	64.....	204
Computer Ballistics: LHMBBC XM32	K99200	84	02	86.....	421
Counterfire Radars	BA5500	86	02	86.....	438
Counterintelligence/Security Countermeasures	BL5283	69	02	83.....	325
DCGS-A (MIP)	BZ7316	57	02	80.....	262
DRUG INTERDICTION PROGRAM (DIP) (TIARA)	BU4050	56	02	80.....	261
Defense Enterprise Wideband Satcom Systems	BB8500	20	02	18.....	43
Defense Message System (DMS)	BU3770	49	02	73.....	229
ENROUTE MISSION COMMAND (EMC)	B08400	27	02	18.....	98
EW Planning & Management Tools (EWPMT)	K00002	65	02	83.....	309
Emergency Management Modernization Program	BU8000	50	02	73.....	231
FAAD C2	AD5050	89	02	89.....	464
FAMILY OF BIOMETRICS	BA1300	44	02	64.....	194
FAMILY OF WEAPON SIGHTS (FWS)	K22001	77	02	86.....	377
Family Of Persistent Surveillance Capabilities	BL5287	68	02	83.....	317
Family of Med Comm for Combat Casualty Care	MA8000	40	02	32.....	180
Fire Support C2 Family	B28501	87	02	89.....	447
General Fund Enterprise Business Systems Fam	B55500	102	02	92.....	559
Global Brdcst Svc - GBS	BC4120	25	02	18.....	84
Global Combat Support System-Army (GCSS-A)	W30001	95	02	89.....	492

UNCLASSIFIED

UNCLASSIFIED

Army • President's Budget Submission FY 2016 • Procurement

Line Item Title	Line Item Number	Line #	BA	BSA	Page
Green Laser Interdiction System (GLIS)	AD5311	75	02	86.....	368
High Perf Computing Mod Pgm (HPCMP)	B66501	103	02	92.....	563
IAMD Battle Command System	BZ5075	91	02	89.....	474
Indirect Fire Protection Family Of Systems	BZ0501	76	02	86.....	370
Information System Security Program-ISSP	TA0600	45	02	64.....	197
Information Systems	BB8650	48	02	73.....	219
Installation Info Infrastructure Mod Program	BU0500	51	02	73.....	238
Integrated Personnel and Pay System-Army (IPPS-A)	B66701	96	02	89.....	500
Items Less Than \$5.0M (A/V)	BK5289	105	02	95.....	573
Items Less Than \$5M (Surveying Equipment)	BL5300	106	02	95.....	577
JCSE Equipment (USREDCOM)	BB5777	19	02	12.....	40
JOINT BATTLE COMMAND - PLATFORM (JBC-P)	W61990	81	02	86.....	396
JOINT EFFECTS TARGETING SYSTEM (JETS)	K32101	82	02	86.....	406
JTT/CIBS-M	V29600	54	02	80.....	250
Joint Incident Site Communications Capability	B00009	18	02	12.....	33
Joint Tactical Ground Station (JTAGS)	BZ8401	58	02	80.....	269
Joint Tactical Radio System	B90000	29	02	32.....	113
Life Cycle Software Support (LCSS)	BD3955	92	02	89.....	478
Lightweight Counter Mortar Radar	B05201	64	02	83.....	300
Logistics Automation	W60002	97	02	89.....	505

UNCLASSIFIED

UNCLASSIFIED

Army • President's Budget Submission FY 2016 • Procurement

Line Item Title	Line Item Number	Line #	BA	BSA	Page
Long Range Advanced Scout Surveillance System	K38300	73	02	86.....	356
MID-TIER NETWORKING VEHICULAR RADIO (MNVR)	B51001	30	02	36.....	126
MOD of In-Svc Equipment (ENFIRE)	B99901	99	02	89.....	517
Machine Foreign Language Translation System-MFLTS	B88605	63	02	80.....	296
Maneuver Control System (MCS)	BA9320	94	02	89.....	486
Mod Of In-Svc Equip (Firefinder Radars)	BZ7325	80	02	86.....	394
Mod Of In-Svc Equip (LLDR)	KA3100	83	02	86.....	415
Mod Of In-Svc Equip (TAC SAT)	BB8417	26	02	18.....	93
Mod of In-Svc Equip (INTEL SPT) (MIP)	BZ9750	60	02	80.....	280
Mortar Fire Control System	K99300	85	02	86.....	429
NAVSTAR Global Positioning System (SPACE)	K47800	23	02	18.....	72
Network Management Initialization and Services	BA9301	93	02	89.....	480
Night Vision Devices	KA3500	72	02	86.....	340
Production Base Support (C-E)	BF5400	107	02	98.....	583
Profiler	K27900	79	02	86.....	389
Prophet Ground	BZ7326	55	02	80.....	252
Radio Terminal Set, MIDS LVT(2)	B22603	31	02	32.....	133
Radio, Improved HF (COTS) Family	BU8100	39	02	32.....	176
Reconnaissance and Surveying Instrument Set	BZ9966	98	02	89.....	511
Reserve Component Automation Sys (RCAS)	BE4167	104	02	92.....	567

UNCLASSIFIED

UNCLASSIFIED

Army • President's Budget Submission FY 2016 • Procurement

Line Item Title	Line Item Number	Line #	BA	BSA	Page
SHF Term	BA9350	22	02	18.....	68
SMART-T (SPACE)	BC4002	24	02	18.....	79
SPIDER APLA Remote Control Unit	B55501	34	02	32.....	153
Sentinel Mods	WK5057	71	02	86.....	327
Signal Modernization Program	B00010	17	02	12.....	25
Small Tactical Optical Rifle Mounted MLRF	K35110	74	02	86.....	360
Soldier Enhancement Program Comm/Electronics	BA5300	36	02	32.....	164
Spider Family of Networked Munitions Incr	B54020	35	02	32.....	157
TRACTOR DESK	BC3000	33	02	32.....	152
TROJAN (MIP)	BA0326	59	02	80.....	274
Tactical Communications And Protective System	B55510	37	02	32.....	165
Transportable Tactical Command Communications (T2C	B85800	21	02	18.....	60
Unified Command Suite	B58601	38	02	32.....	169
WIN-T - Ground Forces Tactical Network	BW7100	16	02	12.....	1

UNCLASSIFIED

UNCLASSIFIED

Exhibit P-40, Budget Line Item Justification: PB 2016 Army **Date:** February 2015

Appropriation / Budget Activity / Budget Sub Activity: 2035A: Other Procurement, Army / BA 02: Communications and Electronics Equipment / BSA 12: Comm - Joint Communications	P-1 Line Item Number / Title: BW7100 / WIN-T - Ground Forces Tactical Network
--	---

ID Code (A=Service Ready, B=Not Service Ready) : A	Program Elements for Code B Items:	Other Related Program Elements: 0603782A, 0605350A, 0300349A
---	---	---

Line Item MDAP/MAIS Code:	Item MDAP/MAIS Code(s): 346, 349
----------------------------------	---

Resource Summary	Prior Years	FY 2014	FY 2015	FY 2016 Base	FY 2016 OCO	FY 2016 Total	FY 2017	FY 2018	FY 2019	FY 2020	To Complete	Total
Procurement Quantity (<i>Units in Each</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Cost (<i>\$ in Millions</i>)	2,830.556	657.477	664.087	783.116	-	783.116	700.775	711.274	721.673	724.851	Continuing	Continuing
Less PY Advance Procurement (<i>\$ in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P1) (<i>\$ in Millions</i>)	2,830.556	657.477	664.087	783.116	-	783.116	700.775	711.274	721.673	724.851	Continuing	Continuing
Plus CY Advance Procurement (<i>\$ in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Total Obligation Authority (<i>\$ in Millions</i>)	2,830.556	657.477	664.087	783.116	-	783.116	700.775	711.274	721.673	724.851	Continuing	Continuing

(The following Resource Summary rows are for informational purposes only. The corresponding budget requests are documented elsewhere.)

Initial Spares (<i>\$ in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Flyaway Unit Cost (<i>\$ in Thousands</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Unit Cost (<i>\$ in Thousands</i>)	-	-	-	-	-	-	-	-	-	-	-	-

Description:

Warfighter Information Network - Tactical (WIN-T) connects all users to each other from theater down to the maneuver battalion, to joint and multinational elements, and the Defense Information System Network (DISN). WIN-T employs a combination of terrestrial, airborne, and satellite-based transport options, to provide robust, redundant connectivity. Network modernization is the Army's top priority, and WIN-T is its cornerstone program. It enables mission command on the move, keeping highly mobile and dispersed forces connected to one another and to the Army's global information network. With essential voice, video and data services, commanders can make decisions faster than ever before and from anywhere on the battlefield. WIN-T's infrastructure provides commanders and other users the ability to communicate via voice, data, and video simultaneously at all levels of security.

WIN-T Increment 1: Networking At-the-Halt

A state-of-the-art, Beyond Line of Sight, at-the-halt communications network that ensures operational relevancy and interoperability with future increments. It provides the current Warfighter with communications backbone that enables them to exchange information (voice, data, and video) at high speeds with high reliability throughout the tactical Division, Brigade Combat Teams (BCTs), and Battalion level elements. Two sub-increments are noted as follows: (Increment 1a): Extended Networking at-the-Halt - with Ka military satellite communications capability; and (Increment 1b): Enhanced Networking at-the-Halt, the Increment 1a capability adding the Net Centric Waveform (NCW) and Global Information Grid (GIG) Compliant Colorless Core Capability to enhance interoperability with subsequent WIN-T Increments. WIN-T Inc 1 AAO is 216; reached in FY12.

WIN-T Increment 2: Initial Networking On-the-Move

Warfighter Information Network (WIN-T) Increment 2 (Inc 2) provides the Army with On-The-Move (OTM) networking capability. The Inc 2 network retains capabilities delivered by WIN-T Inc 1 and by leveraging proven government and commercial technologies, adds greater network throughput and automated Network Management to optimize planning (to include spectrum use), initialization, monitoring and troubleshooting. WIN-T Inc 2 employs Satellite Communications (SATCOM) OTM to extend the network in maneuver Brigade Combat Teams (BCTs) to Company level for the first time. Using equipment mounted on combat platforms, WIN-T Inc 2 delivers a mobile capability that reduces reliance on fixed infrastructure and allows key leaders to move on the battlefield while retaining Situational Awareness and Mission Command capabilities. Using the Highband Networking Radio, with the Highband Networking Waveform and high performance antennas, the WIN-T Inc 2 Line-of-Sight network offers an adaptive 30 Megabit per second (Mbps) aggregate throughput to key leaders in their Command Post or in their vehicle. The WIN-T Inc 2 network is self-forming, which means that it automatically creates transmission paths based on terrain and environmental conditions; and self-healing, meaning that the paths will automatically re-route traffic to complete network transactions and calls even if one or more nodes break down or loses connectivity. This offers greater network reliability and better end-to-end connectivity than traditional point-to-point networks. WIN-T Inc 2 introduces the network management capability needed to keep the

UNCLASSIFIED

Exhibit P-40, Budget Line Item Justification: PB 2016 Army **Date:** February 2015

Appropriation / Budget Activity / Budget Sub Activity: 2035A: Other Procurement, Army / BA 02: Communications and Electronics Equipment / BSA 12: Comm - Joint Communications	P-1 Line Item Number / Title: BW7100 / WIN-T - Ground Forces Tactical Network
--	---

ID Code (A=Service Ready, B=Not Service Ready) : A	Program Elements for Code B Items:	Other Related Program Elements: 0603782A, 0605350A, 0300349A
---	---	---

Line Item MDAP/MAIS Code:	Item MDAP/MAIS Code(s): 346, 349
----------------------------------	---

mobile and dispersed forces networked together through automated planning, initialization, monitoring, and troubleshooting. Finally, WIN-T Inc 2 adopts "Colorless Core" technology that encrypts both classified and unclassified user information in the network and minimizes the number of users on the "core" of the network. The Colorless Core allows commanders to utilize the tactical network without fear of the enemy intercepting information. Colorless Core is a technical insertion in the WIN-T Inc 1b network which enhances information sharing between WIN-T Inc 1b and WIN-T Inc 2.

The WIN-T Inc 2 capabilities are identified for fielding to Armored, Infantry, and Stryker BCTs and Division Headquarters. The Point of Presence and the Tactical Communications Node have both satellite and Line-of-Sight communication capability. The Soldier Network Extension (SNE) provides satellite communication only. The Point of Presence and the Tactical Communications Node are deployed at Division, Brigade and Battalion echelons. The SNE serves as the S3 vehicle at Battalion level and is also deployed down to Company level.

WIN-T Inc 3 mature technologies will be inserted into WIN-T Inc 2 units.

Area Common User System Modernization (ACUS MOD): Supports the Bridge to Future Networks (BFN) systems architecture as the Army's intermediate networking solution. Supports the Army's Transformation/Modularity initiatives by developing, procuring, and fielding product improvements into the Army's Stryker Brigade Combat Teams (SBCTs) and 24 Expeditionary Signal Battalions (ESBs). Also provides support to those systems that were fielded under the Area Common User System Modernization Plan (ACUS MP). Overall, ACUS Mod supports the Army's mission by providing Ethernet local area network communications between Tactical Operational Centers (TOC); TOC & Tactical Internet network management capabilities; integrated voice, video and data services; Line of Sight (LOS) and Beyond Line of Sight (BLOS) transmission capability.

The ACUS Mod systems consists of: the High Capacity Line of Sight (HCLOS/AN/TRC-190) radio which provides a 16Mbps line of site transmission capability required to transport the increased volume of data on the digital battlefield; the Battlefield Video-Teleconferencing Center (BVTC) provides Video Teleconference (VTC) and data collaboration to assist the commander in coordinating and interacting with different echelons and adjacent units; the AN/TRC-170 tropospheric scatter radio which provides Beyond Line Of Sight (BLOS) communications with ranges in excess of 100 miles and bandwidth of up to 16 Mbps; and the Single Shelter Switch (SSS) which provides commanders with a "First In" capability and building block for network expansion. The SSS is enhanced to provide Joint and Coalition interoperability using Commercial-Off-The-Shelf and Government-Off-The-Shelf (COTS/GOTS) architecture for technology upgrade ease. The aforementioned systems are an integral part of the WIN-T Inc 1 system architecture. The Tactical NetOps Management System (TNMS) is a scalable modular NetOps capability that operates on multiple client or server platforms. It is fielded to units not provided with WIN-T Inc 1 NetOps capabilities. The TNMS will facilitate decision-making necessary to quickly identify network problems, shift resources, change configurations and coordinate the management of the critical network infrastructure supporting Mission Command (MC)/Command and Control (C2) functions.

These systems will be fielded to WIN-T Increment 1 units according to the Army Force Generation (ARFORGEN) schedule.
WIN-T ACUS Mod AAO: 24 ESBs.

Secondary Distribution		FY 2014	FY 2015	FY 2016 Base	FY 2016 OCO	FY 2016 Total	FY 2017	FY 2018	FY 2019	FY 2020
Army	Quantity	-	-	-	-	-	-	-	-	-
	Total Obligation Authority	647.477	612.393	374.603	-	374.603	302.292	208.646	282.247	321.336
ANG	Quantity	-	-	-	-	-	-	-	-	-
	Total Obligation Authority	5.000	30.460	405.333	-	405.333	396.439	502.628	439.426	403.515
AR	Quantity	-	-	-	-	-	-	-	-	-

UNCLASSIFIED

Exhibit P-40, Budget Line Item Justification: PB 2016 Army **Date:** February 2015

Appropriation / Budget Activity / Budget Sub Activity: 2035A: Other Procurement, Army / BA 02: Communications and Electronics Equipment / BSA 12: Comm - Joint Communications	P-1 Line Item Number / Title: BW7100 / WIN-T - Ground Forces Tactical Network
--	---

ID Code (A=Service Ready, B=Not Service Ready) : A	Program Elements for Code B Items:	Other Related Program Elements: 0603782A, 0605350A, 0300349A
---	---	---

Line Item MDAP/MAIS Code: **Item MDAP/MAIS Code(s):** 346, 349

Secondary Distribution		FY 2014	FY 2015	FY 2016 Base	FY 2016 OCO	FY 2016 Total	FY 2017	FY 2018	FY 2019	FY 2020
	Total Obligation Authority	5.000	21.234	3.180	-	3.180	2.044	-	-	-
Total:	Quantity	-	-	-	-	-	-	-	-	-
Secondary Distribution	Total Obligation Authority	657.477	664.087	783.116	-	783.116	700.775	711.274	721.673	724.851

UNCLASSIFIED

Exhibit P-40, Budget Line Item Justification: PB 2016 Army **Date:** February 2015

Appropriation / Budget Activity / Budget Sub Activity:
 2035A: Other Procurement, Army / BA 02: Communications and Electronics
 Equipment / BSA 12: Comm - Joint Communications

P-1 Line Item Number / Title:
 BW7100 / WIN-T - Ground Forces Tactical Network

ID Code (A=Service Ready, B=Not Service Ready) : A **Program Elements for Code B Items:** **Other Related Program Elements:** 0603782A, 0605350A, 0300349A

Line Item MDAP/MAIS Code: **Item MDAP/MAIS Code(s):** 346, 349

Exhibits Schedule			Prior Years	FY 2014	FY 2015	FY 2016 Base	FY 2016 OCO	FY 2016 Total
Title*	Exhibits	ID CD	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)
BW7110 / INCREMENT 1 - NETWORKING AT THE HALT	P-5, P-5a, P-21		- / 285.048	- / 232.008	- / 211.731	- / 200.437	- / -	- / 200.437
BW7115 / INCREMENT 2 - INITIAL NETWORKING ON THE MOVE	P-5, P-5a, P-21		2,351 / 2,003.754	362 / 364.438	439 / 361.709	1,488 / 504.463	- / -	1,488 / 504.463
BW7130 / WIN-T - ACUS MODS	P-5, P-5a, P-21		407 / 541.754	578 / 61.031	619 / 90.647	372 / 78.216	- / -	372 / 78.216
Total Gross/Weapon System Cost			- / 2,830.556	- / 657.477	- / 664.087	- / 783.116	- / -	- / 783.116

*Title represents 1) the Number / Title for Items; 2) the Number / Title [DODIC] for Ammunition; and/or 3) the Number / Title (Modification Type) for Modifications.

Note: Totals in this Exhibit P-40 set may not be exact or add due to rounding.

Justification:

FY 2016 Base procurement dollars in the amount of \$783.116 million supports WIN-T Increments 1, 2 and ACUS MOD requirements below:

WIN-T Inc 1: FY 2016 Base procurement dollars in the amount of \$200.437 million supports:

- (a) The fielding of 31 Modification Work Order (MWO) Kits (which includes Colorless Core and Net Centric Waveform (NCW) Modems) to support Increment 1b Army units (Expeditionary Signal Battalions (ESBs), BCTs and Divisions).
- (b) NetOps Convergence of disparate tactical NetOps tools to a common baseline and alignment with other WIN-T Increments.
- (c) Technical refresh and modernization are critical to ensure the Army's tactical network maintains its security posture and compliance with new Information Assurance policies. WIN-T Inc 1 is executing a 5-year tech refresh cycle to counter obsolescence and inability to sustain COTS IT components. A 5-year tech refresh cycle equates to 20% of the fleet annually (32-40 units of various sizes will undergo tech refresh annually). Modernizing through virtualization reduces life cycle costs by reducing Size, Weight, and Power through collapsing and converging capabilities that previously resided on individual hardware components into virtual servers, and leveraging common COTS solutions across various programs.

All of the WIN-T Inc 1 FY16 efforts enable Army units to communicate more efficiently with WIN-T Inc 2 units and enhances WIN-T Inc 1 information assurance and information security.

WIN-T Inc 2: FY 2016 Base procurement dollars in the amount of \$504.463 million procures 248 communications nodes (39 TCNs, 167 SNEs, 42 PoPs) and 1,240 other Configuration Items for fielding to 3 Infantry BCTs, 3 Divisions, and 6 units that have a third battalion added to their organization as part of the Army force structure changes. FY 2016 funds will also continue to field and support previously procured assets.

WIN-T Inc 2 unit of measure quantity shown on P-21 is based on Communications Nodes, which consist of Tactical Communications Node (TCN), Points of Presence (PoP) and Soldier Network Extension (SNE).

An Acquisition Decision Memorandum on May 30, 2014 directed the restructure of WIN-T Inc 3. As a result of this restructure, and once approved in an updated Capability Production Document (CPD), the Army Acquisition Objective (AAO) for WIN-T Inc 2 will be 3,583 nodes. At present, the AAO for WIN-T Inc 2 is 2,937 nodes, based on quantities in the WIN-T Inc 2 CPD approved by the Joint Requirements Oversight Council on 25 Nov 08, and revised on 20 May 13.

WIN-T Inc 2 will be fielded based on the Army Force Generation cycle.

ACUS MODS: FY 2016 Base procurement dollars in the amount of \$78.216 million will procure and field 283 Battlefield Video-Teleconferencing Center(BVTC) III systems to replace BVTC II which has reached end of life. The funds will also procure and field Tactical NetOps Management Systems (TNMS) to 89 units. The funds will also support fielding, logistics, tech refresh, unit validation tests, and program management support for the Single Shelter Switch (SSS), and HCLOS.

UNCLASSIFIED

Exhibit P-40, Budget Line Item Justification: PB 2016 Army		Date: February 2015
Appropriation / Budget Activity / Budget Sub Activity: 2035A: Other Procurement, Army / BA 02: Communications and Electronics Equipment / BSA 12: Comm - Joint Communications		P-1 Line Item Number / Title: BW7100 / WIN-T - Ground Forces Tactical Network
ID Code (A=Service Ready, B=Not Service Ready) : A	Program Elements for Code B Items:	Other Related Program Elements: 0603782A, 0605350A, 0300349A
Line Item MDAP/MAIS Code:	Item MDAP/MAIS Code(s): 346, 349	

"In accordance with Section 1815 of the FY 2008 National Defense Authorization Act (P.L. 110-181), this item is necessary for use by the active and reserve components of the Armed Forces for homeland defense missions, domestic emergency responses, and providing military support to civil authorities."

UNCLASSIFIED

Exhibit P-5, Cost Analysis: PB 2016 Army		Date: February 2015
Appropriation / Budget Activity / Budget Sub Activity: 2035A / 02 / 12	P-1 Line Item Number / Title: BW7100 / WIN-T - Ground Forces Tactical Network	Item Number / Title [DODIC]: BW7110 / INCREMENT 1 - NETWORKING AT THE HALT

ID Code (A=Service Ready, B=Not Service Ready) :	MDAP/MAIS Code: 346
---	----------------------------

Resource Summary	Prior Years	FY 2014	FY 2015	FY 2016 Base	FY 2016 OCO	FY 2016 Total
Procurement Quantity (Units in Each)	-	-	-	-	-	-
Gross/Weapon System Cost (\$ in Millions)	285.048	232.008	211.731	200.437	-	200.437
Less PY Advance Procurement (\$ in Millions)	-	-	-	-	-	-
Net Procurement (P1) (\$ in Millions)	285.048	232.008	211.731	200.437	-	200.437
Plus CY Advance Procurement (\$ in Millions)	-	-	-	-	-	-
Total Obligation Authority (\$ in Millions)	285.048	232.008	211.731	200.437	-	200.437

(The following Resource Summary rows are for informational purposes only. The corresponding budget requests are documented elsewhere.)

Initial Spares (\$ in Millions)	-	-	-	-	-	-
Gross/Weapon System Unit Cost (\$ in Thousands)	-	-	-	-	-	-

Note: Subtotals or Totals in this Exhibit P-5 may not be exact or add, due to rounding.

Cost Elements	Prior Years			FY 2014			FY 2015			FY 2016 Base			FY 2016 OCO			FY 2016 Total		
	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)
Flyaway Cost																		
Recurring Cost																		
Components (NCW MODEM)	-	-	59.704	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MWO kits	470.000	59	27.730	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
ESB MWO kits ^(†)	-	-	-	3,288.000	9	29.592	3,288.000	3	9.864	-	-	-	-	-	-	-	-	-
BCT MWO kits ^(†)	-	-	-	1,024.000	66	67.584	1,024.000	27	27.648	-	-	-	-	-	-	-	-	-
Division MWO kits ^(†)	-	-	-	1,341.000	8	10.728	1,341.000	1	1.341	-	-	-	-	-	-	-	-	-
Network Operation - Signal School	-	-	6.268	-	-	4.100	-	-	-	-	-	-	-	-	-	-	-	-
ENG/INTG	-	-	30.891	-	-	10.100	-	-	7.500	-	-	1.223	-	-	-	-	-	1.223
CFSR	-	-	34.848	-	-	4.330	-	-	-	-	-	-	-	-	-	-	-	-
Training	-	-	23.678	-	-	12.900	-	-	8.669	-	-	10.645	-	-	-	-	-	10.645
Fielding	-	-	44.431	-	-	14.000	-	-	11.000	-	-	13.011	-	-	-	-	-	13.011
RHN	-	-	-	-	-	13.645	-	-	7.500	-	-	7.630	-	-	-	-	-	7.630
PACSTAR	-	-	-	-	-	8.000	-	-	-	-	-	-	-	-	-	-	-	-
FDMA/STT's SATCOM Upgrade	-	-	-	-	-	4.800	-	-	-	-	-	-	-	-	-	-	-	-
Initial Spares	-	-	19.526	-	-	6.887	-	-	2.000	-	-	-	-	-	-	-	-	-
Program Management	-	-	25.051	-	-	12.980	-	-	9.000	-	-	11.980	-	-	-	-	-	11.980
Software	-	-	12.921	-	-	8.171	-	-	2.000	-	-	1.736	-	-	-	-	-	1.736

UNCLASSIFIED

Exhibit P-5, Cost Analysis: PB 2016 Army		Date: February 2015
Appropriation / Budget Activity / Budget Sub Activity: 2035A / 02 / 12	P-1 Line Item Number / Title: BW7100 / WIN-T - Ground Forces Tactical Network	Item Number / Title [DODIC]: BW7110 / INCREMENT 1 - NETWORKING AT THE HALT
ID Code (A=Service Ready, B=Not Service Ready) :		MDAP/MAIS Code: 346

Note: Subtotals or Totals in this Exhibit P-5 may not be exact or add, due to rounding.

Cost Elements	Prior Years			FY 2014			FY 2015			FY 2016 Base			FY 2016 OCO			FY 2016 Total		
	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)
NETOPS HW	-	-	-	-	-	12.096	-	-	61.316	-	-	-	-	-	-	-	-	-
NETOPS SW	-	-	-	-	-	5.080	-	-	29.417	-	-	-	-	-	-	-	-	-
ESB NETOPS Kits ^(†)	-	-	-	-	-	-	-	-	-	4,603.200	2	9.206	-	-	-	4,603.200	2	9.206
BCT NETOPS kits ^(†)	-	-	-	-	-	-	-	-	-	1,433.600	30	43.008	-	-	-	1,433.600	30	43.008
Division NETOPS Kits ^(†)	-	-	-	-	-	-	-	-	-	1,877.400	2	3.755	-	-	-	1,877.400	2	3.755
NETOPS Fielding	-	-	-	-	-	4.112	-	-	10.887	-	-	5.313	-	-	-	-	-	5.313
NETOPS Training	-	-	-	-	-	-	-	-	9.979	-	-	2.550	-	-	-	-	-	2.550
Netops ENG/INTG	-	-	-	-	-	2.903	-	-	13.610	-	-	4.779	-	-	-	-	-	4.779
ESB Tech-Mod Kits ^(†)	-	-	-	-	-	-	-	-	-	5,589.600	2	11.179	-	-	-	5,589.600	2	11.179
BCT Tech-Mod Kits ^(†)	-	-	-	-	-	-	-	-	-	1,740.800	30	52.224	-	-	-	1,740.800	30	52.224
Division Tech-Mod Kits ^(†)	-	-	-	-	-	-	-	-	-	2,279.700	2	4.559	-	-	-	2,279.700	2	4.559
Technical Refresh/Modernization Fielding	-	-	-	-	-	-	-	-	-	-	-	5.313	-	-	-	-	-	5.313
Technical Refresh/Modernization Training	-	-	-	-	-	-	-	-	-	-	-	2.766	-	-	-	-	-	2.766
Technical Refresh/Modernization ENG/INTG	-	-	-	-	-	-	-	-	-	-	-	9.559	-	-	-	-	-	9.559
<i>Subtotal: Recurring Cost</i>	-	-	285.048	-	-	232.008	-	-	211.731	-	-	200.437	-	-	-	-	-	200.437
<i>Subtotal: Flyaway Cost</i>	-	-	285.048	-	-	232.008	-	-	211.731	-	-	200.437	-	-	-	-	-	200.437
Gross/Weapon System Cost	-	-	285.048	-	-	232.008	-	-	211.731	-	-	200.437	-	-	-	-	-	200.437

Secondary Distribution		FY 2014	FY 2015	FY 2016 Base	FY 2016 OCO	FY 2016 Total
Army	Quantity	-	-	-	-	-
	Total Obligation Authority	232.008	211.731	200.437	-	200.437
Total:	Quantity	-	-	-	-	-
Secondary Distribution	Total Obligation Authority	232.008	211.731	200.437	-	200.437

(†) indicates the presence of a P-5a

UNCLASSIFIED

Exhibit P-5a, Procurement History and Planning: PB 2016 Army **Date:** February 2015

Appropriation / Budget Activity / Budget Sub Activity: 2035A / 02 / 12	P-1 Line Item Number / Title: BW7100 / WIN-T - Ground Forces Tactical Network	Item Number / Title [DODIC]: BW7110 / INCREMENT 1 - NETWORKING AT THE HALT
--	---	--

Cost Elements	O C O	FY	Contractor and Location	Method/Type or Funding Vehicle	Location of PCO	Award Date	Date of First Delivery	Qty <i>(Each)</i>	Unit Cost <i>(\$ K)</i>	Specs Avail Now?	Date Revision Available	RFP Issue Date
ESB MWO kits ^(†)		2014	ESB MWO Kits / Various	C / FFP	Aberdeen Proving Ground, MD	Jan 2014	Jul 2014	9	3,288.000	N		Nov 2013
ESB MWO kits ^(†)		2015	ESB MWO Kits / Various	C / FFP	Aberdeen Proving Ground, MD	Jan 2015	Jul 2015	3	3,288.000	N		Nov 2014
BCT MWO kits ^(†)		2014	BCT MWO Kits / Various	C / FFP	Aberdeen Proving Ground, MD	Jan 2014	Jul 2014	66	1,024.000	N		Nov 2013
BCT MWO kits ^(†)		2015	BCT MWO Kits / Various	C / FFP	Aberdeen Proving Ground, MD	Jan 2015	Jul 2015	27	1,024.000	N		Nov 2014
Division MWO kits ^(†)		2014	DIV MWO Kits / Various	C / FFP	Aberdeen Proving Ground, MD	Jan 2014	Jul 2014	8	1,341.000	N		Nov 2013
Division MWO kits ^(†)		2015	DIV MWO Kits / Various	C / FFP	Aberdeen Proving Ground, MD	Jan 2015	Jul 2015	1	1,341.000	N		Nov 2014
ESB NETOPS Kits ^(†)		2016	ESB NETOPS Kits / GDC4S Taunton, MA	C / IDIQ	Aberdeen Proving Ground, MD	Jan 2016	May 2016	2	4,603.200	N		Mar 2012
BCT NETOPS kits ^(†)		2016	BCT NETOPS Kits / GDC4S Taunton, MA	C / IDIQ	Aberdeen Proving Ground, MD	Jan 2016	May 2016	30	1,433.600	N		Mar 2012
Division NETOPS Kits ^(†)		2016	DIV NETOPS Kits / GDC4S Taunton, MA	C / IDIQ	Aberdeen Proving Ground, MD	Jan 2016	May 2016	2	1,877.400	N		Mar 2012
ESB Tech-Mod Kits ^(†)		2016	ESB Tech-Mod Kits / GDC4S Taunton, MA	C / IDIQ	Aberdeen Proving Ground, MD	Jan 2016	May 2016	2	5,589.600	N		Mar 2012
BCT Tech-Mod Kits ^(†)		2016	BCT Tech-Mod Kits / GDC4S Taunton, MA	C / IDIQ	Aberdeen Proving Ground, MD	Jan 2016	May 2016	30	1,740.800	N		Mar 2012
Division Tech-Mod Kits ^(†)		2016	DIV Tech- Mod Kits / GDC4S Taunton, MA	C / IDIQ	Aberdeen Proving Ground, MD	Jan 2016	May 2016	2	2,279.700	N		Mar 2012

^(†) indicates the presence of a P-21

Remarks:

1. In FY12 - 37 units were procured and only 4 were fielded. The remaining 33 units are being fielded in FY13.
2. In FY13 - 59 units were procured and 27 of 59 were fielded in FY13 along with 33 units which were procured in FY12.
3. In FY14 - 83 units will be procured and 39 of 83 will be fielded in FY14 along with 32 units which were procured in FY13.
4. In FY15 - 31 units will be procured and 44 units will be fielded which were procured in FY14.
5. In FY16 - 31 units will be fielded which were procured in FY15

Various - Plan to use a combination of Global Tactical Advanced Communications Systems (GTACS), Common Hardware System (CHS) contract and in house agencies in order to achieve best value.

UNCLASSIFIED

Exhibit P-21, Production Schedule: PB 2016 Army																							Date: February 2015															
Appropriation / Budget Activity / Budget Sub Activity: 2035A / 02 / 12							P-1 Line Item Number / Title: BW7100 / WIN-T - Ground Forces Tactical Network											Item Number / Title [DODIC]: BW7110 / INCREMENT 1 - NETWORKING AT THE HALT																				
Cost Elements (Units in Each)						Fiscal Year 2014														Fiscal Year 2015																		
O C C O	M F R #	FY	SERVICE	PROC QTY	ACCEPT PRIOR TO 1 OCT 2013	BAL DUE AS OF 1 OCT	Calendar Year 2014														Calendar Year 2015																	
							O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	B A L							
ESB MWO kits																																						
1	2014	ARMY		9	-	9					A	-	-	-	-	-	-	1	1	1	1							1	-		1	1	1			-		
1	2015	ARMY		3	-	3																						A	-		-	-	-		1	1	1	-
BCT MWO kits																																						
2	2014	ARMY		66	-	66					A	-	-	-	-	-	-	10	10	10	5	5	5				4	4	4	3	3	3					-	
2	2015	ARMY		27	-	27																					A	-		-	-	-		3	3	3	18	
Division MWO kits																																						
3	2014	ARMY		8	-	8					A	-	-	-	-	-	-	1	-	1	-	1	-				1	-		1	1	-	1	-	1	-		
3	2015	ARMY		1	-	1																					A	-		-	-	-		1			-	
ESB NETOPS Kits																																						
4	2016	ARMY		2	-	2																															2	
BCT NETOPS kits																																						
5	2016	ARMY		30	-	30																															30	
Division NETOPS Kits																																						
6	2016	ARMY		2	-	2																															2	
ESB Tech-Mod Kits																																						
7	2016	ARMY		2	-	2																															2	
BCT Tech-Mod Kits																																						
8	2016	ARMY		30	-	30																															30	
Division Tech-Mod Kits																																						
9	2016	ARMY		2	-	2																															2	
							O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	B A L							

UNCLASSIFIED

Exhibit P-21, Production Schedule: PB 2016 Army													Date: February 2015																				
Appropriation / Budget Activity / Budget Sub Activity: 2035A / 02 / 12								P-1 Line Item Number / Title: BW7100 / WIN-T - Ground Forces Tactical Network													Item Number / Title [DODIC]: BW7110 / INCREMENT 1 - NETWORKING AT THE HALT												

Cost Elements (Units in Each)					Fiscal Year 2016													Fiscal Year 2017																
O C O #	M F R FY	SERVICE	PROC QTY	ACCEPT PRIOR TO 1 OCT 2015	BAL DUE AS OF 1 OCT	Calendar Year 2016													Calendar Year 2017															
						O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	B A L				
ESB MWO kits																																		
1	2014	ARMY	9	9	-																								-					
1	2015	ARMY	3	3	-																								-					
BCT MWO kits																																		
2	2014	ARMY	66	66	-																								-					
2	2015	ARMY	27	9	18	2	2	2	2	2	2	2	2	2	2														-					
Division MWO kits																																		
3	2014	ARMY	8	8	-																								-					
3	2015	ARMY	1	1	-																								-					
ESB NETOPS Kits																																		
4	2016	ARMY	2	-	2					A -	-	-	-	-	1	-	-	-	1										-					
BCT NETOPS kits																																		
5	2016	ARMY	30	-	30					A -	-	-	-	-	6	6	6	6	6										-					
Division NETOPS Kits																																		
6	2016	ARMY	2	-	2					A -	-	-	-	-	1	-	-	-	1										-					
ESB Tech-Mod Kits																																		
7	2016	ARMY	2	-	2					A -	-	-	-	-	1	-	-	-	1										-					
BCT Tech-Mod Kits																																		
8	2016	ARMY	30	-	30					A -	-	-	-	-	6	6	6	6	6										-					
Division Tech-Mod Kits																																		
9	2016	ARMY	2	-	2					A -	-	-	-	-	1	-	-	-	1										-					
										O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	B A L

UNCLASSIFIED

Exhibit P-21, Production Schedule: PB 2016 Army		Date: February 2015
Appropriation / Budget Activity / Budget Sub Activity: 2035A / 02 / 12		P-1 Line Item Number / Title: BW7100 / WIN-T - Ground Forces Tactical Network
		Item Number / Title [DODIC]: BW7110 / INCREMENT 1 - NETWORKING AT THE HALT

MFR Ref #	MFR Name - Location	Production Rates (Each / Month)			Procurement Leadtime (Months)							
		MSR For 2016	1-8-5 For 2016	MAX For 2016	Initial			Reorder				
					ALT Prior to Oct 1	ALT After Oct 1	Mfg PLT	Total After Oct 1	ALT Prior to Oct 1	ALT After Oct 1	Mfg PLT	Total After Oct 1
1	ESB MWO Kits - Various	1	10	20	-	4	6	10	-	4	6	10
2	BCT MWO Kits - Various	1	10	20	-	4	6	10	-	4	6	10
3	DIV MWO Kits - Various	1	10	20	-	4	6	10	-	4	6	10
4	ESB NETOPS Kits - GDC4S Taunton, MA	1	10	20	-	4	-	4	-	4	-	4
5	BCT NETOPS Kits - GDC4S Taunton, MA	1	10	20	-	4	-	4	-	4	-	4
6	DIV NETOPS Kits - GDC4S Taunton, MA	1	10	20	-	4	-	4	-	4	-	4
7	ESB Tech-Mod Kits - GDC4S Taunton, MA	1	10	20	-	4	-	4	-	4	-	4
8	BCT Tech-Mod Kits - GDC4S Taunton, MA	1	10	20	-	4	-	4	-	4	-	4
9	DIV Tech- Mod Kits - GDC4S Taunton, MA	1	10	20	-	4	-	4	-	4	-	4

Remarks:
 In FY12, 37 units were procured and 4 were fielded. The remaining 33 units were fielded in FY13. In FY13, 59 units were procured and 27 of 59 were fielded in FY13 along with 33 units which were procured in FY12. In FY14, 83 units were procured and 39 of 83 were fielded, along with 32 units which were procured in FY13. In FY15, 31 units will be procured and 44 units will be fielded remaining from FY14. In FY16, 31 units will be fielded which were procured in FY15.

"A" in the Delivery Schedule indicates the Contract Award Date.
 Note: Due to space limitations, quantities in the Exhibit P-21 delivery calendar are truncated and rounded based on the maximum quantity in the calendar as follows. If the maximum quantity is less than or equal to than 9,999, all quantities are shown as each. If the maximum quantity is between 10,000 and 999,999 all quantities are shown in thousands. If the maximum quantity is between 1,000,000 and 999,999,999 all quantities are shown in millions (rounded to the nearest thousand). If the maximum quantity is equal or greater than 1,000,000,000 all quantities are shown in billions (rounded to the nearest million).

UNCLASSIFIED

Exhibit P-5, Cost Analysis: PB 2016 Army		Date: February 2015
Appropriation / Budget Activity / Budget Sub Activity: 2035A / 02 / 12	P-1 Line Item Number / Title: BW7100 / WIN-T - Ground Forces Tactical Network	Item Number / Title [DODIC]: BW7115 / INCREMENT 2 - INITIAL NETWORKING ON THE MOVE

ID Code (A=Service Ready, B=Not Service Ready) :	MDAP/MAIS Code: 349
---	----------------------------

Resource Summary	Prior Years	FY 2014	FY 2015	FY 2016 Base	FY 2016 OCO	FY 2016 Total
Procurement Quantity (Units in Each)	2,351	362	439	1,488	-	1,488
Gross/Weapon System Cost (\$ in Millions)	2,003.754	364.438	361.709	504.463	-	504.463
Less PY Advance Procurement (\$ in Millions)	-	-	-	-	-	-
Net Procurement (P1) (\$ in Millions)	2,003.754	364.438	361.709	504.463	-	504.463
Plus CY Advance Procurement (\$ in Millions)	-	-	-	-	-	-
Total Obligation Authority (\$ in Millions)	2,003.754	364.438	361.709	504.463	-	504.463

(The following Resource Summary rows are for informational purposes only. The corresponding budget requests are documented elsewhere.)

Initial Spares (\$ in Millions)	-	-	-	-	-	-
Gross/Weapon System Unit Cost (\$ in Thousands)	852.299	1,006.735	823.938	339.021	-	339.021

Note: Subtotals or Totals in this Exhibit P-5 may not be exact or add, due to rounding.

Cost Elements	Prior Years			FY 2014			FY 2015			FY 2016 Base			FY 2016 OCO			FY 2016 Total		
	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)
Flyaway Cost																		
Recurring Cost																		
TCN (COMM NODE) ^(†)	2,403.697	238	572.080	3,264.286	14	45.700	4,183.444	9	37.651	3,071.026	39	119.770	-	-	-	3,071.026	39	119.770
TCN (COMM NODE - ADM Restricted) ^(†)	-	-	-	3,264.500	2	6.529	-	-	-	-	-	-	-	-	-	-	-	-
SNE (COMM NODE) ^(†)	730.174	432	315.435	946.293	41	38.798	903.839	93	84.057	796.174	167	132.961	-	-	-	796.174	167	132.961
SNE (COMM NODE - ADM Restricted) ^(†)	761.303	119	90.595	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
PoP (COMM NODE) ^(†)	1,180.972	213	251.547	1,467.143	14	20.540	1,537.000	18	27.666	1,224.167	42	51.415	-	-	-	1,224.167	42	51.415
PoP (COMM NODE - ADM Restricted) ^(†)	-	-	-	1,467.250	4	5.869	-	-	-	-	-	-	-	-	-	-	-	-
NOSC-B	2,687.440	25	67.186	3,468.000	1	3.468	-	-	0.028	3,071.000	4	12.284	-	-	-	3,071.000	4	12.284
NOSC-D	2,033.571	14	28.470	3,259.200	5	16.296	3,458.000	1	3.458	2,779.000	4	11.116	-	-	-	2,779.000	4	11.116
VWP B-KIT	106.052	268	28.422	220.045	22	4.841	249.344	32	7.979	196.305	59	11.582	-	-	-	196.305	59	11.582
TR-T	881.550	40	35.262	1,290.250	8	10.322	1,910.000	1	1.910	1,269.286	7	8.885	-	-	-	1,269.286	7	8.885
JGN	993.882	17	16.896	1,322.333	6	7.934	-	-	-	-	-	-	-	-	-	-	-	-
MCN-B	75.105	38	2.854	98.154	13	1.276	116.000	1	0.116	98.000	7	0.686	-	-	-	98.000	7	0.686
IP Phone	1.288	545	0.702	1.721	140	0.241	1.470	200	0.294	1.160	795	0.922	-	-	-	1.160	795	0.922
IP Phone Secure	4.520	225	1.017	6.115	78	0.477	5.933	75	0.445	5.000	325	1.625	-	-	-	5.000	325	1.625

UNCLASSIFIED

Exhibit P-5, Cost Analysis: PB 2016 Army		Date: February 2015
Appropriation / Budget Activity / Budget Sub Activity: 2035A / 02 / 12	P-1 Line Item Number / Title: BW7100 / WIN-T - Ground Forces Tactical Network	Item Number / Title [DODIC]: BW7115 / INCREMENT 2 - INITIAL NETWORKING ON THE MOVE
ID Code (A=Service Ready, B=Not Service Ready) :		MDAP/MAIS Code: 349

Note: Subtotals or Totals in this Exhibit P-5 may not be exact or add, due to rounding.

Cost Elements	Prior Years			FY 2014			FY 2015			FY 2016 Base			FY 2016 OCO			FY 2016 Total		
	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)
STT+	520.655	171	89.032	600.571	14	8.408	578.667	9	5.208	498.564	39	19.444	-	-	-	498.564	39	19.444
Regional Hub Nodes	1,851.333	6	11.108	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2. Tooling/Test	-	-	102.830	-	-	20.200	-	-	53.252	-	-	9.997	-	-	-	-	-	9.997
3. Engineering Change Orders	-	-	102.828	-	-	27.895	-	-	1.314	-	-	11.086	-	-	-	-	-	11.086
4. Program Management Administration	-	-	69.322	-	-	17.295	-	-	17.390	-	-	15.649	-	-	-	-	-	15.649
5. Training/Data	-	-	42.413	-	-	14.845	-	-	10.476	-	-	10.624	-	-	-	-	-	10.624
6. Fielding	-	-	27.795	-	-	37.552	-	-	29.675	-	-	14.701	-	-	-	-	-	14.701
7. Support Maintenance	-	-	147.960	-	-	75.952	-	-	80.790	-	-	71.716	-	-	-	-	-	71.716
<i>Subtotal: Recurring Cost</i>	-	-	<i>2,003.754</i>	-	-	<i>364.438</i>	-	-	<i>361.709</i>	-	-	<i>504.463</i>	-	-	-	-	-	<i>504.463</i>
<i>Subtotal: Flyaway Cost</i>	-	-	<i>2,003.754</i>	-	-	<i>364.438</i>	-	-	<i>361.709</i>	-	-	<i>504.463</i>	-	-	-	-	-	<i>504.463</i>
Gross/Weapon System Cost	852.299	2,351	2,003.754	1,006.735	362	364.438	823.938	439	361.709	339.021	1,488	504.463	-	-	-	339.021	1,488	504.463

Secondary Distribution		FY 2014	FY 2015	FY 2016 Base	FY 2016 OCO	FY 2016 Total
Army	Quantity	362	439	437	-	437
	Total Obligation Authority	364.438	361.709	131.110	-	131.110
ANG	Quantity	-	-	1,051	-	1,051
	Total Obligation Authority	-	-	373.353	-	373.353
Total: Secondary Distribution	Quantity	362	439	1,488	-	1,488
	Total Obligation Authority	364.438	361.709	504.463	-	504.463

(t) indicates the presence of a P-5a

UNCLASSIFIED

Exhibit P-5a, Procurement History and Planning: PB 2016 Army **Date:** February 2015

Appropriation / Budget Activity / Budget Sub Activity: 2035A / 02 / 12	P-1 Line Item Number / Title: BW7100 / WIN-T - Ground Forces Tactical Network	Item Number / Title [DODIC]: BW7115 / INCREMENT 2 - INITIAL NETWORKING ON THE MOVE
--	---	--

Cost Elements	O C O	FY	Contractor and Location	Method/Type or Funding Vehicle	Location of PCO	Award Date	Date of First Delivery	Qty <i>(Each)</i>	Unit Cost <i>(\$ K)</i>	Specs Avail Now?	Date Revision Available	RFP Issue Date
TCN (COMM NODE) ^(†)		2014	General Dynamics C4 Systems / Taunton MA	SS / IDIQ	Aberdeen Proving Ground, MD	Feb 2014	Apr 2015	14	3,264.286			
TCN (COMM NODE) ^(†)		2015	General Dynamics C4 Systems / Taunton MA	SS / IDIQ	Aberdeen Proving Ground, MD	Jun 2015	May 2017	9	4,183.444			
TCN (COMM NODE) ^(†)		2016	General Dynamics C4 Systems / Taunton MA	SS / IDIQ	Aberdeen Proving Ground, MD	Nov 2015	Aug 2017	39	3,071.026			
TCN (COMM NODE - ADM Restricted) ^(†)		2014	General Dynamics C4 Systems / Taunton MA	SS / IDIQ	Aberdeen Proving Ground, MD	Jun 2015	Dec 2016	2	3,264.500			
SNE (COMM NODE) ^(†)		2014	General Dynamics C4 Systems / Taunton MA	SS / IDIQ	Aberdeen Proving Ground, MD	Feb 2014	Mar 2015	41	946.293			
SNE (COMM NODE) ^(†)		2015	General Dynamics C4 Systems / Taunton MA	SS / IDIQ	Aberdeen Proving Ground, MD	Jun 2015	Jul 2017	93	903.839			
SNE (COMM NODE) ^(†)		2016	General Dynamics C4 Systems / Taunton MA	SS / IDIQ	Aberdeen Proving Ground, MD	Nov 2015	Dec 2017	167	796.174			
SNE (COMM NODE - ADM Restricted) ^(†)		2013	General Dynamics C4 Systems / Taunton MA	SS / IDIQ	Aberdeen Proving Ground, MD	Jun 2015	Dec 2016	119	761.303			
PoP (COMM NODE) ^(†)		2014	General Dynamics C4 Systems / Taunton MA	SS / IDIQ	Aberdeen Proving Ground, MD	Feb 2014	Apr 2015	14	1,467.143			
PoP (COMM NODE) ^(†)		2015	General Dynamics C4 Systems / Taunton MA	SS / IDIQ	Aberdeen Proving Ground, MD	Jun 2015	Apr 2017	18	1,537.000			
PoP (COMM NODE) ^(†)		2016	General Dynamics C4 Systems / Taunton MA	SS / IDIQ	Aberdeen Proving Ground, MD	Nov 2015	Oct 2017	42	1,224.167			
PoP (COMM NODE - ADM Restricted) ^(†)		2014	General Dynamics C4 Systems / Taunton MA	SS / IDIQ	Aberdeen Proving Ground, MD	Jun 2015	Dec 2016	4	1,467.250			

^(†) indicates the presence of a P-21

Remarks:

Per ADM issued 27 Sept 13, OSD approved procurement of Lot 4 articles (excluding SNEs), and restricted Lot 5 procurement to Training Bases only. Procurement of Lot 4 SNEs and Lot 5 Hardware is deferred until FRP authorization in May 2015.

1. From FY09-FY13 - 19 BCTs and 6 DIV HQ were procured, along with 5 Fixed Regional Hubs and 1 Training Base; 5 BCTs and 2 DIV HQ along with 5 Regional Hub Nodes and 1 Training Base were fielded.*
2. In FY14 - 1 Training Base was procured; 7 BCTs and 2 DIV HQ were fielded. Procurement of 1 BCT and 1 DIV HQ were deferred pending FRP DR authorization.
3. In FY15 - 1 DIV HQ will be procured and 2 BCTs and 1 DIV HQ will be fielded, along with 1 Training Base.
4. In FY16 - 3 BCTs and 3 DIV HQs will be procured and will include procurement of additional nodes to support force structure changes that impact 6 previously-procured BCTs. 4 TAAs will be fielded.
5. In FY15-17, upon FRP decision, CIs restricted by ADM (Lots 4/5) will conclude procurement and allow fielding of an additional 4 BCTs.

*18 month cycle from Procurement to Fielding

UNCLASSIFIED

Exhibit P-21, Production Schedule: PB 2016 Army																				Date: February 2015													
Appropriation / Budget Activity / Budget Sub Activity: 2035A / 02 / 12										P-1 Line Item Number / Title: BW7100 / WIN-T - Ground Forces Tactical Network										Item Number / Title [DODIC]: BW7115 / INCREMENT 2 - INITIAL NETWORKING ON THE MOVE													
Cost Elements <i>(Units in Each)</i>						Fiscal Year 2014												Fiscal Year 2015															
						Calendar Year 2014												Calendar Year 2015															
O	M				ACCEP	BAL	O	N	D	J	F	M	A	M	J	J	A	S	O	N	D	J	F	M	A	M	J	J	A	S	B		
C	F	FY	SERVICE	PROC	T	AS OF	C	O	E	A	E	A	P	A	U	U	U	E	C	O	V	E	A	E	A	P	A	U	U	A	S	A	
O	R			QTY	2013	10CT	T	V	C	N	B	R	R	Y	N	L	G	P	T	V	C	N	B	R	R	Y	N	L	G	P	A		
TCN (COMM NODE)																																	
Prior Years Deliveries: 238																																	
1		2014	ARMY	14	-	14																											
1		2015	ARMY	9	-	9																											
1		2016	ARMY	39	-	39																											
TCN (COMM NODE - ADM Restricted)																																	
2		2014	ARMY	2	-	2																											
SNE (COMM NODE)																																	
Prior Years Deliveries: 432																																	
3		2014	ARMY	41	-	41																											
3		2015	ARMY	93	-	93																											
3		2016	ARMY	167	-	167																											
SNE (COMM NODE - ADM Restricted)																																	
4		2013	ARMY	119	-	119																											
PoP (COMM NODE)																																	
Prior Years Deliveries: 213																																	
5		2014	ARMY	14	-	14																											
5		2015	ARMY	18	-	18																											
5		2016	ARMY	42	-	42																											
PoP (COMM NODE - ADM Restricted)																																	
6		2014	ARMY	4	-	4																											
							O	N	D	J	F	M	A	M	J	J	A	S	O	N	D	J	F	M	A	M	J	J	A	S	B		
							C	O	E	A	E	A	P	A	U	U	U	E	C	O	V	E	A	E	A	P	A	U	U	A	S	A	
							T	V	C	N	B	R	R	Y	N	L	G	P	T	V	C	N	B	R	R	Y	N	L	G	P	A	L	

UNCLASSIFIED

Exhibit P-21, Production Schedule: PB 2016 Army																							Date: February 2015											
Appropriation / Budget Activity / Budget Sub Activity:										P-1 Line Item Number / Title:										Item Number / Title [DODIC]:														
2035A / 02 / 12										BW7100 / WIN-T - Ground Forces Tactical Network										BW7115 / INCREMENT 2 - INITIAL NETWORKING ON THE MOVE														
Cost Elements <i>(Units in Each)</i>						Fiscal Year 2016											Fiscal Year 2017																	
O C O	M F R #	FY	SERVICE	PROC QTY	ACCEPT PRIOR TO 1 OCT 2015	BAL DUE AS OF 1 OCT	Calendar Year 2016											Calendar Year 2017																
							O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	B A L			
TCN (COMM NODE)																																		
Prior Years Deliveries: 238																																		
1	2014	ARMY	14	14	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1	2015	ARMY	9	-	9	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	3	3	3	-	-	-	-
1	2016	ARMY	39	-	39	-	A	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	3	3	33		
TCN (COMM NODE - ADM Restricted)																																		
2	2014	ARMY	2	-	2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	2	-	-	-	-	-	-	-	-	-	-	
SNE (COMM NODE)																																		
Prior Years Deliveries: 432																																		
3	2014	ARMY	41	41	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
3	2015	ARMY	93	-	93	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	7	21	21	44	
3	2016	ARMY	167	-	167	-	A	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
SNE (COMM NODE - ADM Restricted)																																		
4	2013	ARMY	119	-	119	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	24	24	24	24	23	-	-	-	-	-	-	-	
PoP (COMM NODE)																																		
Prior Years Deliveries: 213																																		
5	2014	ARMY	14	14	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	3	3	3	4	4	-	-	
5	2015	ARMY	18	-	18	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
5	2016	ARMY	42	-	42	-	A	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	42	
PoP (COMM NODE - ADM Restricted)																																		
6	2014	ARMY	4	-	4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	2	2	-	-	-	-	-	-	-	-	-	-	

UNCLASSIFIED

Exhibit P-21, Production Schedule: PB 2016 Army																							Date: February 2015															
Appropriation / Budget Activity / Budget Sub Activity: 2035A / 02 / 12											P-1 Line Item Number / Title: BW7100 / WIN-T - Ground Forces Tactical Network											Item Number / Title [DODIC]: BW7115 / INCREMENT 2 - INITIAL NETWORKING ON THE MOVE																
Cost Elements (Units in Each)											Fiscal Year 2018											Fiscal Year 2019																
O C O #	M F R #	FY	SERVICE	PROC QTY	ACCEPT PRIOR TO 1 OCT 2017	BAL DUE AS OF 1 OCT	Calendar Year 2018											Calendar Year 2019																				
							O	N	D	J	F	M	A	M	J	J	A	S	O	N	D	J	F	M	A	M	J	J	A	S	B							
							C	O	V	E	A	N	B	R	R	Y	N	L	U	G	P	T	V	C	N	B	R	R	Y	N	L	U	G	P	A	L		
TCN (COMM NODE)																																						
Prior Years Deliveries: 238																																						
1		2014	ARMY	14	14	-																																-
1		2015	ARMY	9	9	-																																-
1		2016	ARMY	39	6	33	3	3	3	3	3	3	3	4	4	4																					-	
TCN (COMM NODE - ADM Restricted)																																						
2		2014	ARMY	2	2	-																															-	
SNE (COMM NODE)																																						
Prior Years Deliveries: 432																																						
3		2014	ARMY	41	41	-																															-	
3		2015	ARMY	93	49	44	22	22																													-	
3		2016	ARMY	167	-	167	-	-	30	30	30	30	25	22																							-	
SNE (COMM NODE - ADM Restricted)																																						
4		2013	ARMY	119	119	-																															-	
PoP (COMM NODE)																																						
Prior Years Deliveries: 213																																						
5		2014	ARMY	14	14	-																															-	
5		2015	ARMY	18	18	-																															-	
5		2016	ARMY	42	-	42	2	4	4	4	4	4	4	4	4	4	4																				-	
PoP (COMM NODE - ADM Restricted)																																						
6		2014	ARMY	4	4	-																															-	
							O	N	D	J	F	M	A	M	J	J	A	S	O	N	D	J	F	M	A	M	J	J	A	S	B							
							C	O	V	E	A	N	B	R	R	Y	N	L	U	G	P	T	V	C	N	B	R	R	Y	N	L	U	G	P	A	L		

UNCLASSIFIED

Exhibit P-21, Production Schedule: PB 2016 Army		Date: February 2015
Appropriation / Budget Activity / Budget Sub Activity: 2035A / 02 / 12		P-1 Line Item Number / Title: BW7100 / WIN-T - Ground Forces Tactical Network
		Item Number / Title [DODIC]: BW7115 / INCREMENT 2 - INITIAL NETWORKING ON THE MOVE

MFR Ref #	MFR Name - Location	Production Rates (Each / Month)			Procurement Leadtime (Months)							
		MSR For 2016	1-8-5 For 2016	MAX For 2016	Initial				Reorder			
					ALT Prior to Oct 1	ALT After Oct 1	Mfg PLT	Total After Oct 1	ALT Prior to Oct 1	ALT After Oct 1	Mfg PLT	Total After Oct 1
1	General Dynamics C4 Systems - Taunton MA	1	69	123	-	5	13	18	-	5	13	18
2	General Dynamics C4 Systems - Taunton MA	1	69	123	-	5	13	18	-	5	13	18
3	General Dynamics C4 Systems - Taunton MA	1	69	123	-	5	13	18	-	5	13	18
4	General Dynamics C4 Systems - Taunton MA	1	69	123	-	5	13	18	-	5	13	18
5	General Dynamics C4 Systems - Taunton MA	1	69	123	-	5	13	18	-	5	13	18
6	General Dynamics C4 Systems - Taunton MA	1	69	123	-	5	13	18	-	5	13	18

Remarks:
Initial and Reorder lead times for Admin and Manufacturing are the same due to long lead materials.

"A" in the Delivery Schedule indicates the Contract Award Date.

Note: Due to space limitations, quantities in the Exhibit P-21 delivery calendar are truncated and rounded based on the maximum quantity in the calendar as follows. If the maximum quantity is less than or equal to than 9,999, all quantities are shown as each. If the maximum quantity is between 10,000 and 999,999 all quantities are shown in thousands. If the maximum quantity is between 1,000,000 and 999,999,999 all quantities are shown in millions (rounded to the nearest thousand). If the maximum quantity is equal or greater than 1,000,000,000 all quantities are shown in billions (rounded to the nearest million).

UNCLASSIFIED

Exhibit P-5, Cost Analysis: PB 2016 Army					Date: February 2015					
Appropriation / Budget Activity / Budget Sub Activity: 2035A / 02 / 12			P-1 Line Item Number / Title: BW7100 / WIN-T - Ground Forces Tactical Network			Item Number / Title [DODIC]: BW7130 / WIN-T - ACUS MODS				
ID Code (A=Service Ready, B=Not Service Ready) :					MDAP/MAIS Code:					
Resource Summary			Prior Years	FY 2014	FY 2015	FY 2016 Base	FY 2016 OCO	FY 2016 Total		
Procurement Quantity (Units in Each)			407	578	619	372	-	372		
Gross/Weapon System Cost (\$ in Millions)			541.754	61.031	90.647	78.216	-	78.216		
Less PY Advance Procurement (\$ in Millions)			-	-	-	-	-	-		
Net Procurement (P1) (\$ in Millions)			541.754	61.031	90.647	78.216	-	78.216		
Plus CY Advance Procurement (\$ in Millions)			-	-	-	-	-	-		
Total Obligation Authority (\$ in Millions)			541.754	61.031	90.647	78.216	-	78.216		
<i>(The following Resource Summary rows are for informational purposes only. The corresponding budget requests are documented elsewhere.)</i>										
Initial Spares (\$ in Millions)			-	-	-	-	-	-		
Gross/Weapon System Unit Cost (\$ in Thousands)			1,331.091	105.590	146.441	210.258	-	210.258		

Note: Subtotals or Totals in this Exhibit P-5 may not be exact or add, due to rounding.

Cost Elements	Prior Years			FY 2014			FY 2015			FY 2016 Base			FY 2016 OCO			FY 2016 Total		
	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)
Flyaway Cost																		
Recurring Cost																		
AN/TRC-190 (HCLOS) ^(†)	92.276	286	26.391	38.616	578	22.320	84.691	204	17.277	-	-	-	-	-	-	-	-	-
TNMS ^(†)	221.272	121	26.774	35.743	175	6.255	44.659	132	5.895	45.900	89	4.085	-	-	-	45.900	89	4.085
BVTC III ^(†)	-	-	-	-	-	8.034	39.000	283	11.037	39.780	283	11.258	-	-	-	39.780	283	11.258
SSS Tech Refresh/1b	-	-	-	-	-	-	-	-	13.700	-	-	13.974	-	-	-	-	-	13.974
Other Hardware (CHS item & requisitions)	-	-	162.823	-	-	11.980	-	-	13.097	-	-	13.359	-	-	-	-	-	13.359
Software	-	-	19.409	-	-	0.100	-	-	-	-	-	-	-	-	-	-	-	-
Total Package Fielding	-	-	92.517	-	-	4.400	-	-	8.897	-	-	11.774	-	-	-	-	-	11.774
Logistics	-	-	83.034	-	-	1.250	-	-	4.147	-	-	6.768	-	-	-	-	-	6.768
Engineering and Integration	-	-	110.476	-	-	1.440	-	-	6.397	-	-	8.018	-	-	-	-	-	8.018
Testing (Unit Validation&Certification)	-	-	8.761	-	-	-	-	-	1.135	-	-	1.158	-	-	-	-	-	1.158
Program Management	-	-	11.569	-	-	5.252	-	-	9.065	-	-	7.822	-	-	-	-	-	7.822
<i>Subtotal: Recurring Cost</i>	-	-	541.754	-	-	61.031	-	-	90.647	-	-	78.216	-	-	-	-	-	78.216
<i>Subtotal: Flyaway Cost</i>	-	-	541.754	-	-	61.031	-	-	90.647	-	-	78.216	-	-	-	-	-	78.216
Gross/Weapon System Cost	1,331.091	407	541.754	105.590	578	61.031	146.441	619	90.647	210.258	372	78.216	-	-	-	210.258	372	78.216

UNCLASSIFIED

Exhibit P-5, Cost Analysis: PB 2016 Army **Date:** February 2015

Appropriation / Budget Activity / Budget Sub Activity: 2035A / 02 / 12	P-1 Line Item Number / Title: BW7100 / WIN-T - Ground Forces Tactical Network	Item Number / Title [DODIC]: BW7130 / WIN-T - ACUS MODS
--	---	---

ID Code (A=Service Ready, B=Not Service Ready) : **MDAP/MAIS Code:**

Secondary Distribution		FY 2014	FY 2015	FY 2016 Base	FY 2016 OCO	FY 2016 Total
Army	Quantity	578	266	201	-	201
	Total Obligation Authority	51.031	38.953	43.056	-	43.056
ANG	Quantity	-	208	156	-	156
	Total Obligation Authority	5.000	30.460	31.980	-	31.980
AR	Quantity	-	145	15	-	15
	Total Obligation Authority	5.000	21.234	3.180	-	3.180
Total: Secondary Distribution	Quantity	578	619	372	-	372
	Total Obligation Authority	61.031	90.647	78.216	-	78.216

(t) indicates the presence of a P-5a

UNCLASSIFIED

Exhibit P-5a, Procurement History and Planning: PB 2016 Army								Date: February 2015				
Appropriation / Budget Activity / Budget Sub Activity: 2035A / 02 / 12			P-1 Line Item Number / Title: BW7100 / WIN-T - Ground Forces Tactical Network					Item Number / Title [DODIC]: BW7130 / WIN-T - ACUS MODS				
Cost Elements	O C O	FY	Contractor and Location	Method/Type or Funding Vehicle	Location of PCO	Award Date	Date of First Delivery	Qty (Each)	Unit Cost (\$ K)	Specs Avail Now?	Date Revision Available	RFP Issue Date
AN/TRC-190 (HCLOS) ^(†)		2014	Ultra Electronics(TRC-190) / Montreal, Canada	C / FFP	Aberdeen Proving Ground, MD	Jan 2014	Jul 2014	578	38.616			
AN/TRC-190 (HCLOS) ^(†)		2015	Ultra Electronics(TRC-190) / Montreal, Canada	C / FFP	Aberdeen Proving Ground, MD	Jan 2015	Jul 2015	204	84.691			
TNMS ^(†)		2014	GDC4S-TNMS / Taunton, MA	C / FFP	Aberdeen Proving Ground, MD	Jan 2014	Jul 2014	175	35.743			
TNMS ^(†)		2015	GDC4S-TNMS / Taunton, MA	C / FFP	Aberdeen Proving Ground, MD	Jan 2015	Jul 2015	132	44.659			
TNMS ^(†)		2016	GDC4S-TNMS / Taunton, MA	C / FFP	Aberdeen Proving Ground, MD	Jan 2016	Jul 2016	89	45.900			
BVTC III ^(†)		2015	GDC4S-BVTC / Taunton, MA	C / FFP	Aberdeen Proving Ground, MD	Jan 2015	Jul 2015	283	39.000			
BVTC III ^(†)		2016	GDC4S-BVTC / Taunton, MA	C / FFP	Aberdeen Proving Ground, MD	Jan 2016	Jul 2016	283	39.780			

^(†) indicates the presence of a P-21

UNCLASSIFIED

Exhibit P-21, Production Schedule: PB 2016 Army **Date:** February 2015

Appropriation / Budget Activity / Budget Sub Activity: 2035A / 02 / 12	P-1 Line Item Number / Title: BW7100 / WIN-T - Ground Forces Tactical Network	Item Number / Title [DODIC]: BW7130 / WIN-T - ACUS MODS
--	---	---

Cost Elements <i>(Units in Each)</i>						Fiscal Year 2014												Fiscal Year 2015																					
O C C O	M F R #	FY	SERVICE	PROC QTY	ACCEPT PRIOR TO 1 OCT 2013	BAL DUE AS OF 1 OCT	Calendar Year 2014												Calendar Year 2015																				
							O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	B A L								
AN/TRC-190 (HCLOS)																																							
Prior Years Deliveries: 286																																							
	1	2014	ARMY	578	-	578					A	-	-	-	-	-	-	49	49	49	49	49	49	49	49	49	49	49	49	49	49	49	49	39		-			
	1	2015	ARMY	204	-	204																					A	-	-	-	-	-	-	25	25	25	129		
TNMS																																							
Prior Years Deliveries: 121																																							
	2	2014	ARMY	175	-	175					A	-	-	-	-	-	-	22	23	23	20	20	20	20	20	20	20	20	7						-				
	2	2015	ARMY	132	-	132																												20	20	20	72		
	2	2016	ARMY	89	-	89																														89			
BVTIC III																																							
	3	2015	ARMY	283	-	283																														24	24	24	211
	3	2016	ARMY	283	-	283																															283		
							O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	B A L								

UNCLASSIFIED

Exhibit P-21, Production Schedule: PB 2016 Army **Date:** February 2015

Appropriation / Budget Activity / Budget Sub Activity: 2035A / 02 / 12	P-1 Line Item Number / Title: BW7100 / WIN-T - Ground Forces Tactical Network	Item Number / Title [DODIC]: BW7130 / WIN-T - ACUS MODS
--	---	---

Cost Elements <i>(Units in Each)</i>						Fiscal Year 2016													Fiscal Year 2017																		
O C C O	M F R #	FY	SERVICE	PROC QTY	ACCEPT PRIOR TO 1 OCT 2015	BAL DUE AS OF 1 OCT	Calendar Year 2016													Calendar Year 2017																	
							O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	B A L						
AN/TRC-190 (HCLOS)																																					
Prior Years Deliveries: 286																																					
	1	2014	ARMY	578	578	-																															-
	1	2015	ARMY	204	75	129	25	25	25	25	25	4																									-
TNMS																																					
Prior Years Deliveries: 121																																					
	2	2014	ARMY	175	175	-																															-
	2	2015	ARMY	132	60	72	20	20	20	12																											-
	2	2016	ARMY	89	-	89					A -	-	-	-	-	-	-	20	20	20	15	14														-	
BVTC III																																					
	3	2015	ARMY	283	72	211	24	24	24	24	23	23	23	23																						-	
	3	2016	ARMY	283	-	283					A -	-	-	-	-	-	23	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	20			-	
							O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	B A L						

UNCLASSIFIED

Exhibit P-21, Production Schedule: PB 2016 Army	Date: February 2015
--	----------------------------

Appropriation / Budget Activity / Budget Sub Activity: 2035A / 02 / 12	P-1 Line Item Number / Title: BW7100 / WIN-T - Ground Forces Tactical Network	Item Number / Title [DODIC]: BW7130 / WIN-T - ACUS MODS
--	---	---

MFR Ref #	MFR Name - Location	Production Rates (Each / Month)			Procurement Leadtime (Months)							
		MSR For 2016	1-8-5 For 2016	MAX For 2016	Initial				Reorder			
					ALT Prior to Oct 1	ALT After Oct 1	Mfg PLT	Total After Oct 1	ALT Prior to Oct 1	ALT After Oct 1	Mfg PLT	Total After Oct 1
1	Ultra Electronics(TRC-190) - Montreal, Canada	1	10	80	-	3	3	6	-	3	3	6
2	GDC4S-TNMS - Taunton, MA	1	15	30	-	3	3	6	-	-	-	-
3	GDC4S-BVTC - Taunton, MA	1	15	30	-	3	3	6	-	-	-	-

"A" in the Delivery Schedule indicates the Contract Award Date.

Note: Due to space limitations, quantities in the Exhibit P-21 delivery calendar are truncated and rounded based on the maximum quantity in the calendar as follows. If the maximum quantity is less than or equal to than 9,999, all quantities are shown as each. If the maximum quantity is between 10,000 and 999,999 all quantities are shown in thousands. If the maximum quantity is between 1,000,000 and 999,999,999 all quantities are shown in millions (rounded to the nearest thousand). If the maximum quantity is equal or greater than 1,000,000,000 all quantities are shown in billions (rounded to the nearest million).

UNCLASSIFIED

Exhibit P-40, Budget Line Item Justification: PB 2016 Army **Date:** February 2015

Appropriation / Budget Activity / Budget Sub Activity: 2035A: Other Procurement, Army / BA 02: Communications and Electronics Equipment / BSA 12: Comm - Joint Communications	P-1 Line Item Number / Title: B00010 / Signal Modernization Program
--	---

ID Code (A=Service Ready, B=Not Service Ready) :	Program Elements for Code B Items:	Other Related Program Elements: 0604818A
---	---	---

Resource Summary	Prior Years	FY 2014	FY 2015	FY 2016 Base	FY 2016 OCO	FY 2016 Total	FY 2017	FY 2018	FY 2019	FY 2020	To Complete	Total
Procurement Quantity <i>(Units in Each)</i>	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Cost <i>(\$ in Millions)</i>	45.565	0.620	21.157	49.898	-	49.898	58.688	102.661	128.017	149.112	-	555.718
Less PY Advance Procurement <i>(\$ in Millions)</i>	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P1) <i>(\$ in Millions)</i>	45.565	0.620	21.157	49.898	-	49.898	58.688	102.661	128.017	149.112	-	555.718
Plus CY Advance Procurement <i>(\$ in Millions)</i>	-	-	-	-	-	-	-	-	-	-	-	-
Total Obligation Authority <i>(\$ in Millions)</i>	45.565	0.620	21.157	49.898	-	49.898	58.688	102.661	128.017	149.112	-	555.718

(The following Resource Summary rows are for informational purposes only. The corresponding budget requests are documented elsewhere.)

Initial Spares <i>(\$ in Millions)</i>	-	-	-	-	-	-	-	-	-	-	-	-
Flyaway Unit Cost <i>(\$ in Thousands)</i>	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Unit Cost <i>(\$ in Thousands)</i>	-	-	-	319.859	-	319.859	-	-	-	-	-	-

Description:

The Signal Modernization Program will provide upgrades to increase the capacity and capabilities of the Army units equipped with WIN-T Inc 1, IAW the capabilities described in the Transmission Systems Capability Production Document (CPD). These upgrades will enhance units' ability to support operations spanning the spectrum from combat operations to Homeland Defense and Disaster Relief by adding cellular phone capabilities, radio cross-banding, commercial internet access, new terrestrial and tropospheric scatter radio systems, and Top Secret Intel nodes to replace the aging TROJAN Spirit terminals. The initial effort will be to upgrade the Expeditionary Signal Battalions (ESB), which provide WIN-T Inc 1 communications support to large headquarters and Combat Support/CombatService Support units that do not have organic WIN-T. In the future, funding will support converging tactical sustainment and medical communications systems into WIN-T.

Secondary Distribution		FY 2014	FY 2015	FY 2016 Base	FY 2016 OCO	FY 2016 Total	FY 2017	FY 2018	FY 2019	FY 2020
Army	Quantity	-	-	-	-	-	-	-	-	-
	Total Obligation Authority	0.620	21.157	49.898	-	49.898	39.589	93.156	108.016	143.602
ANG	Quantity	-	-	-	-	-	-	-	-	-
	Total Obligation Authority	-	-	-	-	-	19.099	-	20.001	-
AR	Quantity	-	-	-	-	-	-	-	-	-
	Total Obligation Authority	-	-	-	-	-	-	9.505	-	5.510
Total: Secondary Distribution	Quantity	-	-	-	-	-	-	-	-	-
	Total Obligation Authority	0.620	21.157	49.898	-	49.898	58.688	102.661	128.017	149.112

UNCLASSIFIED

Exhibit P-40, Budget Line Item Justification: PB 2016 Army **Date:** February 2015

Appropriation / Budget Activity / Budget Sub Activity: 2035A: Other Procurement, Army / BA 02: Communications and Electronics Equipment / BSA 12: Comm - Joint Communications	P-1 Line Item Number / Title: B00010 / Signal Modernization Program
--	---

ID Code (A=Service Ready, B=Not Service Ready) :	Program Elements for Code B Items:	Other Related Program Elements: 0604818A
---	---	---

Exhibits Schedule			Prior Years	FY 2014	FY 2015	FY 2016 Base	FY 2016 OCO	FY 2016 Total
Title*	Exhibits	ID CD	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)
B00010 / Signal Modernization Program	P-5, P-5a, P-21		- / 45.565	- / 0.620	- / 21.157	- / 49.898	- / -	- / 49.898
Total Gross/Weapon System Cost			- / 45.565	- / 0.620	- / 21.157	- / 49.898	- / -	- / 49.898

*Title represents 1) the Number / Title for Items; 2) the Number / Title [DODIC] for Ammunition; and/or 3) the Number / Title (Modification Type) for Modifications.

Note: Totals in this Exhibit P-40 set may not be exact or add due to rounding.

Justification:
 FY 2016 Base procurement dollars in the amount of \$49.898 million supports procurement of ninety (90) Commercial Coalition Equipment (CCE) Mission Enclave/Celluar (4G)/Wireless and fifty (50) Top Secret-Sensitive Compartmented Information (TS-SCI) enclaves to support Transport Convergence. Also procures sixteen (16) Tropo lite and Terrestrial Line of Sight (TRILOS) to support legacy terrestrial communications in Expeditionary Signal Battalions (ESB).

Procurement funding is increasing in FY16 and beyond due to increased fielding quantities of new capabilities as source selection and acceptance testing are completed.

The Transmission Systems Capability Production Document (CPD) was Joint Requirements Oversight Council(JROC) approved 18 Dec 2014.

"In accordance with Section 1815 of the FY 2008 National Defense Authorization Act (P.L. 110-181), this item is necessary for use by the active and reserve components of the Armed Forces for homeland defense missions, domestic emergency responses, and providing military support to civil authorities.

UNCLASSIFIED

Exhibit P-5, Cost Analysis: PB 2016 Army					Date: February 2015		
Appropriation / Budget Activity / Budget Sub Activity: 2035A / 02 / 12		P-1 Line Item Number / Title: B00010 / Signal Modernization Program			Item Number / Title [DODIC]: B00010 / Signal Modernization Program		
ID Code (A=Service Ready, B=Not Service Ready) :				MDAP/MAIS Code:			
Resource Summary		Prior Years	FY 2014	FY 2015	FY 2016 Base	FY 2016 OCO	FY 2016 Total
Procurement Quantity (Units in Each)		-	-	-	-	-	-
Gross/Weapon System Cost (\$ in Millions)		45.565	0.620	21.157	49.898	-	49.898
Less PY Advance Procurement (\$ in Millions)		-	-	-	-	-	-
Net Procurement (P1) (\$ in Millions)		45.565	0.620	21.157	49.898	-	49.898
Plus CY Advance Procurement (\$ in Millions)		-	-	-	-	-	-
Total Obligation Authority (\$ in Millions)		45.565	0.620	21.157	49.898	-	49.898
<i>(The following Resource Summary rows are for informational purposes only. The corresponding budget requests are documented elsewhere.)</i>							
Initial Spares (\$ in Millions)		-	-	-	-	-	-
Gross/Weapon System Unit Cost (\$ in Thousands)		-	-	-	319.859	-	319.859

Note: Subtotals or Totals in this Exhibit P-5 may not be exact or add, due to rounding.

Cost Elements	Prior Years			FY 2014			FY 2015			FY 2016 Base			FY 2016 OCO			FY 2016 Total		
	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)
Flyaway Cost																		
Recurring Cost																		
Hardware-Equipment	-	-	17.100	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
TS-SCI HW-Equipment ^(†)	-	-	-	-	-	-	-	-	-	75.820	50	3.791	-	-	-	75.820	50	3.791
CCE/4G/WiFi HW-Equipment ^(†)	-	-	-	-	-	-	337.111	36	12.136	243.644	90	21.928	-	-	-	243.644	90	21.928
Tropo /TRILOS HW-Equipment ^(†)	-	-	-	-	-	-	-	-	-	234.000	16	3.744	-	-	-	234.000	16	3.744
Engineering Support	-	-	6.026	-	-	-	-	-	1.456	-	-	3.534	-	-	-	-	-	3.534
Non- Recurring Engineering	-	-	2.079	-	-	-	-	-	0.971	-	-	1.941	-	-	-	-	-	1.941
System Test / Validation	-	-	-	-	-	-	-	-	0.556	-	-	1.476	-	-	-	-	-	1.476
Training	-	-	5.400	-	-	-	-	-	1.456	-	-	3.534	-	-	-	-	-	3.534
Fielding	-	-	5.510	-	-	-	-	-	1.092	-	-	2.651	-	-	-	-	-	2.651
Initial Spares	-	-	2.250	-	-	-	-	-	0.534	-	-	1.835	-	-	-	-	-	1.835
Software	-	-	4.050	-	-	-	-	-	1.214	-	-	2.945	-	-	-	-	-	2.945
Program Management	-	-	3.150	-	-	0.620	-	-	1.742	-	-	2.519	-	-	-	-	-	2.519
<i>Subtotal: Recurring Cost</i>	-	-	<i>45.565</i>	-	-	<i>0.620</i>	-	-	<i>21.157</i>	-	-	<i>49.898</i>	-	-	-	-	-	<i>49.898</i>
<i>Subtotal: Flyaway Cost</i>	-	-	<i>45.565</i>	-	-	<i>0.620</i>	-	-	<i>21.157</i>	-	-	<i>49.898</i>	-	-	-	-	-	<i>49.898</i>
Gross/Weapon System Cost	-	-	45.565	-	-	0.620	-	-	21.157	319.859	-	49.898	-	-	-	319.859	-	49.898

UNCLASSIFIED

Exhibit P-5, Cost Analysis: PB 2016 Army **Date:** February 2015

Appropriation / Budget Activity / Budget Sub Activity: 2035A / 02 / 12	P-1 Line Item Number / Title: B00010 / Signal Modernization Program	Item Number / Title [DODIC]: B00010 / Signal Modernization Program
--	---	--

ID Code (A=Service Ready, B=Not Service Ready) :	MDAP/MAIS Code:
---	------------------------

Secondary Distribution		FY 2014	FY 2015	FY 2016 Base	FY 2016 OCO	FY 2016 Total
Army	Quantity	-	-	-	-	-
	Total Obligation Authority	0.620	21.157	49.898	-	49.898
Total:	Quantity	-	-	-	-	-
Secondary Distribution	Total Obligation Authority	0.620	21.157	49.898	-	49.898

(t) indicates the presence of a P-5a

UNCLASSIFIED

Exhibit P-5a, Procurement History and Planning: PB 2016 Army **Date:** February 2015

Appropriation / Budget Activity / Budget Sub Activity: 2035A / 02 / 12	P-1 Line Item Number / Title: B00010 / Signal Modernization Program	Item Number / Title [DODIC]: B00010 / Signal Modernization Program
--	---	--

Cost Elements	O C O	FY	Contractor and Location	Method/Type or Funding Vehicle	Location of PCO	Award Date	Date of First Delivery	Qty <i>(Each)</i>	Unit Cost <i>(\$ K)</i>	Specs Avail Now?	Date Revision Available	RFP Issue Date
TS-SCI HW-Equipment ^(†)		2016	GDC4S CHS IV / Taunton, MA	C / IDIQ	Aberdeen Proving Ground, MD	Jan 2016	May 2016	50	75.820	Y		
CCE/4G/WiFi HW-Equipment ^(†)		2015	GDC41S CHS IV / Taunton, MA	C / IDIQ	Aberdeen Proving Ground, MD	May 2015	Sep 2015	36	337.111	Y		
CCE/4G/WiFi HW-Equipment ^(†)		2016	GDC41S CHS IV / Taunton, MA	C / IDIQ	Aberdeen Proving Ground, MD	Jan 2016	May 2016	90	243.644	Y		
Tropo /TRILOS HW-Equipment ^(†)		2016	GTACS / Aberdeen Proving Ground, MD	C / IDIQ	Aberdeen Proving Ground, MD	Jan 2016	Jul 2016	16	234.000	Y		

^(†) indicates the presence of a P-21

UNCLASSIFIED

Exhibit P-21, Production Schedule: PB 2016 Army **Date:** February 2015

Appropriation / Budget Activity / Budget Sub Activity: 2035A / 02 / 12 **P-1 Line Item Number / Title:** B00010 / Signal Modernization Program **Item Number / Title [DODIC]:** B00010 / Signal Modernization Program

Cost Elements <i>(Units in Each)</i>						Fiscal Year 2015													Fiscal Year 2016													
O C C O	M F R #	FY	SERVICE	PROC QTY	ACCEPT PRIOR TO 1 OCT 2014	BAL DUE AS OF 1 OCT	Calendar Year 2015													Calendar Year 2016												
							O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	B A L	
TS-SCI HW-Equipment																																
	1	2016	ARMY	50	-	50																										
CCE/4G/WiFi HW-Equipment																																
	2	2015	ARMY	36	-	36								A	-	-	-	-	4	4	4	4	4	4	6	6	4					
	2	2016	ARMY	90	-	90																										
Tropo /TRILOS HW-Equipment																																
	3	2016	ARMY	16	-	16																										
							O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	B A L	

UNCLASSIFIED

Exhibit P-21, Production Schedule: PB 2016 Army **Date:** February 2015

Appropriation / Budget Activity / Budget Sub Activity: 2035A / 02 / 12	P-1 Line Item Number / Title: B00010 / Signal Modernization Program	Item Number / Title [DODIC]: B00010 / Signal Modernization Program
--	---	--

Cost Elements <i>(Units in Each)</i>						Fiscal Year 2017												Fiscal Year 2018													
O C C O	M F R #	FY	SERVICE	PROC QTY	ACCEPT PRIOR TO 1 OCT 2016	BAL DUE AS OF 1 OCT	Calendar Year 2017												Calendar Year 2018												
							O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	B A L
TS-SCI HW-Equipment																															
	1	2016	ARMY	50	50	-																									
CCE/4G/WiFi HW-Equipment																															
	2	2015	ARMY	36	36	-																									
	2	2016	ARMY	90	50	40	10	10	10	10																					
Tropo /TRILOS HW-Equipment																															
	3	2016	ARMY	16	8	8	3	3	2																						
							O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	B A L

UNCLASSIFIED

Exhibit P-21, Production Schedule: PB 2016 Army	Date: February 2015
--	----------------------------

Appropriation / Budget Activity / Budget Sub Activity: 2035A / 02 / 12	P-1 Line Item Number / Title: B00010 / Signal Modernization Program	Item Number / Title [DODIC]: B00010 / Signal Modernization Program
--	---	--

MFR Ref #	MFR Name - Location	Production Rates (Each / Month)			Procurement Leadtime (Months)								
		MSR For 2016	1-8-5 For 2016	MAX For 2016	Initial				Reorder				
					ALT Prior to Oct 1	ALT After Oct 1	Mfg PLT	Total After Oct 1	ALT Prior to Oct 1	ALT After Oct 1	Mfg PLT	Total After Oct 1	
1	GDC4S CHS IV - Taunton, MA	1	15	55	-	4	-	4	-	-	4	-	4
2	GDC41S CHS IV - Taunton, MA	1	10	25	-	4	-	4	-	-	4	-	4
3	GTACS - Aberdeen Proving Ground, MD	1	5	20	-	6	-	6	-	-	6	-	6

"A" in the Delivery Schedule indicates the Contract Award Date.

Note: Due to space limitations, quantities in the Exhibit P-21 delivery calendar are truncated and rounded based on the maximum quantity in the calendar as follows. If the maximum quantity is less than or equal to than 9,999, all quantities are shown as each. If the maximum quantity is between 10,000 and 999,999 all quantities are shown in thousands. If the maximum quantity is between 1,000,000 and 999,999,999 all quantities are shown in millions (rounded to the nearest thousand). If the maximum quantity is equal or greater than 1,000,000,000 all quantities are shown in billions (rounded to the nearest million).

UNCLASSIFIED

Exhibit P-40, Budget Line Item Justification: PB 2016 Army **Date:** February 2015

Appropriation / Budget Activity / Budget Sub Activity: 2035A: Other Procurement, Army / BA 02: Communications and Electronics Equipment / BSA 12: Comm - Joint Communications	P-1 Line Item Number / Title: B00009 / Joint Incident Site Communications Capability
--	--

ID Code (A=Service Ready, B=Not Service Ready) :	Program Elements for Code B Items:	Other Related Program Elements:
---	---	--

Resource Summary	Prior Years	FY 2014	FY 2015	FY 2016 Base	FY 2016 OCO	FY 2016 Total	FY 2017	FY 2018	FY 2019	FY 2020	To Complete	Total
Procurement Quantity <i>(Units in Each)</i>	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Cost <i>(\$ in Millions)</i>	-	7.869	7.915	4.062	-	4.062	5.793	6.089	4.393	-	-	36.121
Less PY Advance Procurement <i>(\$ in Millions)</i>	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P1) <i>(\$ in Millions)</i>	-	7.869	7.915	4.062	-	4.062	5.793	6.089	4.393	-	-	36.121
Plus CY Advance Procurement <i>(\$ in Millions)</i>	-	-	-	-	-	-	-	-	-	-	-	-
Total Obligation Authority <i>(\$ in Millions)</i>	-	7.869	7.915	4.062	-	4.062	5.793	6.089	4.393	-	-	36.121

(The following Resource Summary rows are for informational purposes only. The corresponding budget requests are documented elsewhere.)

Initial Spares <i>(\$ in Millions)</i>	-	-	-	-	-	-	-	-	-	-	-	-
Flyaway Unit Cost <i>(\$ in Thousands)</i>	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Unit Cost <i>(\$ in Thousands)</i>	-	-	-	-	-	-	-	-	-	-	-	-

Description:

The Joint Incident Site Communications Capability (JISCC) provides interoperability communications support to the National Guard (NG) response forces and local first-responders in Defense Support of Civil Authorities (DSCA) missions/domestic emergencies. JISCC includes a modular system, support equipment, and team of trained JISCC operators and maintainers. JISCC provides critical capabilities to numerous NG missions to include large-scale pre-planned events, responses to man-made/natural disasters, and other civil support/humanitarian efforts. JISCC is a multi-platform communications bridge between first responders and other state, local, and federal agencies. Deployed in each state at the Joint Forces Headquarters (JFHQs), the JISCC is able to provide rapid incident response communications.

	Secondary Distribution	FY 2014	FY 2015	FY 2016 Base	FY 2016 OCO	FY 2016 Total	FY 2017	FY 2018	FY 2019	FY 2020
Army	Quantity	-	-	-	-	-	-	-	-	-
	Total Obligation Authority	-	-	0.419	-	0.419	0.426	0.468	0.468	-
ANG	Quantity	-	-	-	-	-	-	-	-	-
	Total Obligation Authority	7.869	7.915	3.643	-	3.643	5.367	5.621	3.925	-
Total: Secondary Distribution	Quantity	-	-	-	-	-	-	-	-	-
	Total Obligation Authority	7.869	7.915	4.062	-	4.062	5.793	6.089	4.393	-

UNCLASSIFIED

Exhibit P-40, Budget Line Item Justification: PB 2016 Army **Date:** February 2015

Appropriation / Budget Activity / Budget Sub Activity: 2035A: Other Procurement, Army / BA 02: Communications and Electronics Equipment / BSA 12: Comm - Joint Communications	P-1 Line Item Number / Title: B00009 / Joint Incident Site Communications Capability
--	--

ID Code (A=Service Ready, B=Not Service Ready) :			Program Elements for Code B Items:			Other Related Program Elements:		
Exhibits Schedule			Prior Years	FY 2014	FY 2015	FY 2016 Base	FY 2016 OCO	FY 2016 Total
Title*	Exhibits	ID CD	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)
B00009 / Joint Incident Site Communications Capability	P-5, P-5a, P-21		- / -	- / 7.869	- / 7.915	- / 4.062	- / -	- / 4.062
Total Gross/Weapon System Cost			- / -	- / 7.869	- / 7.915	- / 4.062	- / -	- / 4.062

*Title represents 1) the Number / Title for Items; 2) the Number / Title [DODIC] for Ammunition; and/or 3) the Number / Title (Modification Type) for Modifications.

Note: Totals in this Exhibit P-40 set may not be exact or add due to rounding.

Justification:
 FY 2016 Base Procurement dollars in the amount of \$4.062 million support the procurement of nine (9) JISCC Delta Packages. A JISCC Delta Package includes Radio Bridging Voice Cross-Banding, Commercial Mission Network Enclave, Wireless and Cellular capabilities to support first responders and civil support missions.

The Transmission Systems Capability Production Document (CPD) was Joint Requirements Oversight Council(JROC) approved 18 Dec 2014.

"In accordance with Section 1815 of the FY 2008 National Defense Authorization Act (P.L. 110-181), this item is necessary for use by the active and reserve components of the Armed Forces for homeland defense missions, domestic emergency responses, and providing military support to civil authorities."

"The FY2016 funding request was reduced by \$1.020 million to account for the availability of prior year execution balances."

UNCLASSIFIED

Exhibit P-5, Cost Analysis: PB 2016 Army		Date: February 2015
Appropriation / Budget Activity / Budget Sub Activity: 2035A / 02 / 12	P-1 Line Item Number / Title: B00009 / Joint Incident Site Communications Capability	Item Number / Title [DODIC]: B00009 / Joint Incident Site Communications Capability

ID Code (A=Service Ready, B=Not Service Ready) :	MDAP/MAIS Code:
---	------------------------

Resource Summary	Prior Years	FY 2014	FY 2015	FY 2016 Base	FY 2016 OCO	FY 2016 Total
Procurement Quantity (Units in Each)	-	-	-	-	-	-
Gross/Weapon System Cost (\$ in Millions)	-	7.869	7.915	4.062	-	4.062
Less PY Advance Procurement (\$ in Millions)	-	-	-	-	-	-
Net Procurement (P1) (\$ in Millions)	-	7.869	7.915	4.062	-	4.062
Plus CY Advance Procurement (\$ in Millions)	-	-	-	-	-	-
Total Obligation Authority (\$ in Millions)	-	7.869	7.915	4.062	-	4.062

(The following Resource Summary rows are for informational purposes only. The corresponding budget requests are documented elsewhere.)

Initial Spares (\$ in Millions)	-	-	-	-	-	-
Gross/Weapon System Unit Cost (\$ in Thousands)	-	-	-	-	-	-

Note: Subtotals or Totals in this Exhibit P-5 may not be exact or add, due to rounding.

Cost Elements	Prior Years			FY 2014			FY 2015			FY 2016 Base			FY 2016 OCO			FY 2016 Total		
	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)
Flyaway Cost																		
Recurring Cost																		
RHN Hardware	-	-	-	753.000	5	3.765	-	-	-	-	-	-	-	-	-	-	-	-
JISCC Delta Package Hardware ^(†)	-	-	-	-	-	-	223.000	16	3.568	203.111	9	1.828	-	-	-	203.111	9	1.828
Software	-	-	-	-	-	0.321	-	-	0.792	-	-	0.406	-	-	-	-	-	0.406
Integration	-	-	-	-	-	0.428	-	-	0.950	-	-	0.487	-	-	-	-	-	0.487
Training	-	-	-	-	-	0.257	-	-	0.712	-	-	0.366	-	-	-	-	-	0.366
Fielding	-	-	-	-	-	0.244	-	-	0.706	-	-	0.366	-	-	-	-	-	0.366
Spares	-	-	-	-	-	0.163	-	-	0.554	-	-	0.284	-	-	-	-	-	0.284
Program Management	-	-	-	-	-	0.191	-	-	0.633	-	-	0.325	-	-	-	-	-	0.325
Non- Recurring Engineering	-	-	-	-	-	2.500	-	-	-	-	-	-	-	-	-	-	-	-
Subtotal: Recurring Cost	-	-	-	-	-	7.869	-	-	7.915	-	-	4.062	-	-	-	-	-	4.062
Subtotal: Flyaway Cost	-	-	-	-	-	7.869	-	-	7.915	-	-	4.062	-	-	-	-	-	4.062
Gross/Weapon System Cost	-	-	-	-	-	7.869	-	-	7.915	-	-	4.062	-	-	-	-	-	4.062

Secondary Distribution		FY 2014	FY 2015	FY 2016 Base	FY 2016 OCO	FY 2016 Total
Army	Quantity	-	-	-	-	-
	Total Obligation Authority	-	-	0.419	-	0.419

UNCLASSIFIED

Exhibit P-5, Cost Analysis: PB 2016 Army		Date: February 2015
Appropriation / Budget Activity / Budget Sub Activity: 2035A / 02 / 12	P-1 Line Item Number / Title: B00009 / Joint Incident Site Communications Capability	Item Number / Title [DODIC]: B00009 / Joint Incident Site Communications Capability

ID Code (A=Service Ready, B=Not Service Ready) :	MDAP/MAIS Code:
---	------------------------

Secondary Distribution		FY 2014	FY 2015	FY 2016 Base	FY 2016 OCO	FY 2016 Total
ANG	Quantity	-	-	-	-	-
	Total Obligation Authority	7.869	7.915	3.643	-	3.643
Total:	Quantity	-	-	-	-	-
Secondary Distribution	Total Obligation Authority	7.869	7.915	4.062	-	4.062

(t) indicates the presence of a P-5a

UNCLASSIFIED

Exhibit P-5a, Procurement History and Planning: PB 2016 Army							Date: February 2015					
Appropriation / Budget Activity / Budget Sub Activity: 2035A / 02 / 12			P-1 Line Item Number / Title: B00009 / Joint Incident Site Communications Capability				Item Number / Title [DODIC]: B00009 / Joint Incident Site Communications Capability					
Cost Elements	O C O	FY	Contractor and Location	Method/Type or Funding Vehicle	Location of PCO	Award Date	Date of First Delivery	Qty (Each)	Unit Cost (\$ K)	Specs Avail Now?	Date Revision Available	RFP Issue Date
JISCC Delta Package Hardware ^(†)		2015	GDC4S- CHS IV / Taunton MA	C / IDIQ	Aberdeen Proving Ground, MD	Jan 2015	Apr 2015	16	223.000	N		
JISCC Delta Package Hardware ^(†)		2016	GDC4S- CHS IV / Taunton MA	C / IDIQ	Aberdeen Proving Ground, MD	Jan 2016	Apr 2016	9	203.111	N		

^(†) indicates the presence of a P-21

UNCLASSIFIED

Exhibit P-21, Production Schedule: PB 2016 Army															Date: February 2015														
Appropriation / Budget Activity / Budget Sub Activity: 2035A / 02 / 12										P-1 Line Item Number / Title: B00009 / Joint Incident Site Communications Capability										Item Number / Title [DODIC]: B00009 / Joint Incident Site Communications Capability									

Cost Elements <i>(Units in Each)</i>						Fiscal Year 2015												Fiscal Year 2016													
O C C O	M F R #	FY	SERVICE	PROC QTY	ACCEPT PRIOR TO 1 OCT 2014	BAL DUE AS OF 1 OCT	Calendar Year 2015												Calendar Year 2016												
							O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	B A L
JISCC Delta Package Hardware																															
	1	2015	ARMY	16	-	16				A -	-	-	2	3	2	2	2	-	3	2										-	
	1	2016	ARMY	9	-	9															A -	-	-	1	2	2	2	2		-	
							O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	B A L

UNCLASSIFIED

Exhibit P-21, Production Schedule: PB 2016 Army					Date: February 2015								
Appropriation / Budget Activity / Budget Sub Activity: 2035A / 02 / 12					P-1 Line Item Number / Title: B00009 / Joint Incident Site Communications Capability					Item Number / Title [DODIC]: B00009 / Joint Incident Site Communications Capability			
		Production Rates (Each / Month)			Procurement Leadtime (Months)								
MFR Ref #	MFR Name - Location	MSR For 2016	1-8-5 For 2016	MAX For 2016	Initial				Reorder				
					ALT Prior to Oct 1	ALT After Oct 1	Mfg PLT	Total After Oct 1	ALT Prior to Oct 1	ALT After Oct 1	Mfg PLT	Total After Oct 1	
1	GDC4S- CHS IV - Taunton MA	1	5	10	-	2	-	2	-	-	-	-	

"A" in the Delivery Schedule indicates the Contract Award Date.

Note: Due to space limitations, quantities in the Exhibit P-21 delivery calendar are truncated and rounded based on the maximum quantity in the calendar as follows. If the maximum quantity is less than or equal to than 9,999, all quantities are shown as each. If the maximum quantity is between 10,000 and 999,999 all quantities are shown in thousands. If the maximum quantity is between 1,000,000 and 999,999,999 all quantities are shown in millions (rounded to the nearest thousand).If the maximum quantity is equal or greater than 1,000,000,000 all quantities are shown in billions (rounded to the nearest million).

UNCLASSIFIED

Exhibit P-40, Budget Line Item Justification: PB 2016 Army **Date:** February 2015

Appropriation / Budget Activity / Budget Sub Activity: 2035A: Other Procurement, Army / BA 02: Communications and Electronics Equipment / BSA 12: Comm - Joint Communications	P-1 Line Item Number / Title: BB5777 / JCSE Equipment (USREDCOM)
--	--

ID Code (A=Service Ready, B=Not Service Ready) :			Program Elements for Code B Items:					Other Related Program Elements:				
Resource Summary	Prior Years	FY 2014	FY 2015	FY 2016 Base	FY 2016 OCO	FY 2016 Total	FY 2017	FY 2018	FY 2019	FY 2020	To Complete	Total
Procurement Quantity (Units in Each)	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Cost (\$ in Millions)	144.668	5.296	3.540	5.008	-	5.008	5.105	5.072	4.923	5.137	Continuing	Continuing
Less PY Advance Procurement (\$ in Millions)	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P1) (\$ in Millions)	144.668	5.296	3.540	5.008	-	5.008	5.105	5.072	4.923	5.137	Continuing	Continuing
Plus CY Advance Procurement (\$ in Millions)	-	-	-	-	-	-	-	-	-	-	-	-
Total Obligation Authority (\$ in Millions)	144.668	5.296	3.540	5.008	-	5.008	5.105	5.072	4.923	5.137	Continuing	Continuing
<i>(The following Resource Summary rows are for informational purposes only. The corresponding budget requests are documented elsewhere.)</i>												
Initial Spares (\$ in Millions)	-	-	-	-	-	-	-	-	-	-	-	-
Flyaway Unit Cost (\$ in Thousands)	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Unit Cost (\$ in Thousands)	-	-	-	-	-	-	-	-	-	-	-	-

Description:

JOINT COMMUNICATIONS SUPPORT ELEMENT (JCSE): JCSE, assigned under Joint Enabling Capabilities Command, US Transportation Command, is the only joint Department of Defense (DoD) unit specifically formed to provide C4 systems support for Joint Chiefs of Staff (JCS) contingency operations worldwide. The Joint Communications Support Element (JCSE) mission is to provide, on short notice, those critical communications required to support Joint Task Force support (JTF) and Joint Special Operations Task Force (JSOTF) headquarters. These assets support the warfighter's ability to deploy rapidly and immediately provide the positive command and control required. This support includes contingency and crisis communications for the Joint Chiefs of Staff, Combatant Commands, Services, Defense agencies, non-Defense agencies, and foreign governments. The modernization program goals include meeting emerging real-world operational requirements with improved capabilities, smaller footprint, reduced operations and maintenance costs, and seamless integration with the global information grid. Per Defense Planning Guidance (DPG), the Army is mandated to fund 1/3rd fair share of JCSE's validated equipment modernization plan.

Secondary Distribution		FY 2014	FY 2015	FY 2016 Base	FY 2016 OCO	FY 2016 Total	FY 2017	FY 2018	FY 2019	FY 2020
Army	Quantity	-	-	-	-	-	-	-	-	-
	Total Obligation Authority	5.296	3.540	5.008	-	5.008	5.105	5.072	4.923	5.137
Total:	Quantity	-	-	-	-	-	-	-	-	-
Secondary Distribution	Total Obligation Authority	5.296	3.540	5.008	-	5.008	5.105	5.072	4.923	5.137

UNCLASSIFIED

Exhibit P-40, Budget Line Item Justification: PB 2016 Army **Date:** February 2015

Appropriation / Budget Activity / Budget Sub Activity: 2035A: Other Procurement, Army / BA 02: Communications and Electronics Equipment / BSA 12: Comm - Joint Communications	P-1 Line Item Number / Title: BB5777 / JCSE Equipment (USREDCOM)
--	--

ID Code (A=Service Ready, B=Not Service Ready) :			Program Elements for Code B Items:			Other Related Program Elements:		
Exhibits Schedule			Prior Years	FY 2014	FY 2015	FY 2016 Base	FY 2016 OCO	FY 2016 Total
Title*	Exhibits	ID CD	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)
BB5777 / JCSE Equipment (USREDCOM)	P-5		- / 144.668	- / 5.296	- / 3.540	- / 5.008	- / -	- / 5.008
Total Gross/Weapon System Cost			- / 144.668	- / 5.296	- / 3.540	- / 5.008	- / -	- / 5.008

*Title represents 1) the Number / Title for Items; 2) the Number / Title [DODIC] for Ammunition; and/or 3) the Number / Title (Modification Type) for Modifications.

Note: Totals in this Exhibit P-40 set may not be exact or add due to rounding.

Justification:
 JCSE: FY2016 base funding in the amount of \$5.008M procures communications equipment based on Strategic Planning Guidance; which includes major upgrades to large and small aperture mobile satellite systems, Everything over Internet Protocol (EoIP), Airborne/En-Route, and terrestrial and single-channel equipment and program management and organic support. Currently employed commercial-off-the-shelf (COTS) equipment is approaching the end of its life cycle and requires replacement, along with technology refreshment; to meet the modernization program goals which include meeting emerging real-world operational requirements with improved capabilities, smaller footprint, reduced operations and maintenance costs, and seamless integration with the global information grid. This equipment is a critical part of Command and Control communications packages that provide direct operational support to joint forces and HQ elements deployed to austere locations around the globe. Per the Planning Guidance, the ARMY is mandated to fund one-third of the fair share of JCSE's validated equipment modernization plan. JCSE's Modernization Program is built/restructured based on Combatant Command (CCMD) and Service Components' requirements and emerging technologies. Service's influence JCSE's spending plan through recommendations in concert with MDAP schedules, ensuring that Service dollars meet Joint Service requirements.

UNCLASSIFIED

Exhibit P-5, Cost Analysis: PB 2016 Army		Date: February 2015
Appropriation / Budget Activity / Budget Sub Activity: 2035A / 02 / 12	P-1 Line Item Number / Title: BB5777 / JCSE Equipment (USREDCOM)	Item Number / Title [DODIC]: BB5777 / JCSE Equipment (USREDCOM)

ID Code (A=Service Ready, B=Not Service Ready) :	MDAP/MAIS Code:
---	------------------------

Resource Summary	Prior Years	FY 2014	FY 2015	FY 2016 Base	FY 2016 OCO	FY 2016 Total
Procurement Quantity (<i>Units in Each</i>)	-	-	-	-	-	-
Gross/Weapon System Cost (<i>\$ in Millions</i>)	144.668	5.296	3.540	5.008	-	5.008
Less PY Advance Procurement (<i>\$ in Millions</i>)	-	-	-	-	-	-
Net Procurement (P1) (<i>\$ in Millions</i>)	144.668	5.296	3.540	5.008	-	5.008
Plus CY Advance Procurement (<i>\$ in Millions</i>)	-	-	-	-	-	-
Total Obligation Authority (<i>\$ in Millions</i>)	144.668	5.296	3.540	5.008	-	5.008

(The following Resource Summary rows are for informational purposes only. The corresponding budget requests are documented elsewhere.)

Initial Spares (<i>\$ in Millions</i>)	-	-	-	-	-	-
Gross/Weapon System Unit Cost (<i>\$ in Thousands</i>)	-	-	-	-	-	-

Note: Subtotals or Totals in this Exhibit P-5 may not be exact or add, due to rounding.

Cost Elements	Prior Years			FY 2014			FY 2015			FY 2016 Base			FY 2016 OCO			FY 2016 Total		
	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)
Flyaway Cost																		
Recurring Cost																		
(JCSE)	144,668.000	1	144.668	5,296.000	1	5.296	3,540.000	1	3.540	5,008.000	1	5.008	-	-	-	5,008.000	1	5.008
<i>Subtotal: Recurring Cost</i>	-	-	144.668	-	-	5.296	-	-	3.540	-	-	5.008	-	-	-	-	-	5.008
<i>Subtotal: Flyaway Cost</i>	-	-	144.668	-	-	5.296	-	-	3.540	-	-	5.008	-	-	-	-	-	5.008
Gross/Weapon System Cost	-	-	144.668	-	-	5.296	-	-	3.540	-	-	5.008	-	-	-	-	-	5.008

Secondary Distribution	FY 2014	FY 2015	FY 2016 Base	FY 2016 OCO	FY 2016 Total
Army					
Quantity	-	-	-	-	-
Total Obligation Authority	5.296	3.540	5.008	-	5.008
Total: Secondary Distribution					
Quantity	-	-	-	-	-
Total Obligation Authority	5.296	3.540	5.008	-	5.008

UNCLASSIFIED

Exhibit P-40, Budget Line Item Justification: PB 2016 Army **Date:** February 2015

Appropriation / Budget Activity / Budget Sub Activity: 2035A: Other Procurement, Army / BA 02: Communications and Electronics Equipment / BSA 18: Comm - Satellite Communications	P-1 Line Item Number / Title: BB8500 / Defense Enterprise Wideband Satcom Systems
--	---

ID Code (A=Service Ready, B=Not Service Ready) :	Program Elements for Code B Items:						Other Related Program Elements: 0303142A					
Resource Summary	Prior Years	FY 2014	FY 2015	FY 2016 Base	FY 2016 OCO	FY 2016 Total	FY 2017	FY 2018	FY 2019	FY 2020	To Complete	Total
Procurement Quantity (Units in Each)	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Cost (\$ in Millions)	3,739.861	57.275	118.085	196.306	-	196.306	144.890	134.373	178.020	170.297	Continuing	Continuing
Less PY Advance Procurement (\$ in Millions)	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P1) (\$ in Millions)	3,739.861	57.275	118.085	196.306	-	196.306	144.890	134.373	178.020	170.297	Continuing	Continuing
Plus CY Advance Procurement (\$ in Millions)	-	-	-	-	-	-	-	-	-	-	-	-
Total Obligation Authority (\$ in Millions)	3,739.861	57.275	118.085	196.306	-	196.306	144.890	134.373	178.020	170.297	Continuing	Continuing
<i>(The following Resource Summary rows are for informational purposes only. The corresponding budget requests are documented elsewhere.)</i>												
Initial Spares (\$ in Millions)	-	-	-	-	-	-	-	-	-	-	-	-
Flyaway Unit Cost (\$ in Thousands)	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Unit Cost (\$ in Thousands)	-	-	-	7,550.231	-	7,550.231	-	-	-	-	Continuing	Continuing

Description:

The Defense Enterprise Wideband Satellite Communications (SATCOM) Systems (DEWSS) provides Super High Frequency (SHF) wideband and Anti-Jam (AJ) satellite communications supporting critical national strategic and tactical Command, Control, Communications and Intelligence (C3I) requirements. Portions of DEWSS must support the Army Warfighter as well as unique and vital Department of Defense (DoD) and non-DoD users, as approved by the Joint Staff and/or Secretary of Defense (SECDEF). The DEWSS/Wideband Global Satelellite (WGS) will be used in conjunction with the Terrestrial Transmissions of the Defense Information System Network (DISN) and other communications systems to provide end-to-end communications and the long-haul connectivity.

The AN/TSC-93E Tactical Satellite Service Life Extension Program (SLEP) provides satellite communications (SATCOM) capability in the SHF (Super High Frequency) range. 93E operates over both commercial and military SHF satellites for Army Expeditionary Signal Battalions (ESBs). 93E, along with the WIN-T program's AN/TSC-156 Phoenix Terminal, is the Army's primary means of extending DISN services (NIPR, SIPR, JWICS, DSN, DRSN, and Secure VTC) to deployed Army forces. 93E SLEP has replaced existing "D" models with "E" models. E model upgrades the 93 from 20 Mbps to 50 Mbps, and extends the service life of the 93 until 2025. 93E configuration is as follows: up-armored, consisting of antenna pallet housing the AS-3036D antenna mounted on an M1152 D1 vehicle towing a M1102 trailer. The M1102 transports two MEP-803A generators, a SN-571 SYNC box, and a 20 gallon fuel cell. The cell will increase fuel capacity over 200%. A second M1152A1 will tow a fifth wheel commercial trailer transporting the AN/TSC-93E 250 shelter. The 93E configuration will also work in a non-up armored mode using the M1097 and the M1113.

The Senior National Leadership Communications (SNLC) program and the required modernization effort exists through a bilateral agreement for a 10-year user equipment modernization. This essential Priority 0 effort supports unique internal requirements that provide critical communications to support continuing peaceful relations between the United States President and Russia/Ukraine/Belarus/Kazakhstan leaders. The program includes the Direct Communications Link (DCL), Continuous Communications Link (CCL) and the Government-to-Government Communications Link (GGCL). Communications are for diplomatic peacekeeping, arms control and treaty verification purposes.

The Modernization of Enterprise Terminals (MET) program is a complete modernization of fixed X-Band enterprise satellite communications terminals. The MET family of terminal equipment will increase the capacity of existing satellite communications facilities by adding military Ka-Band capability, enabling the Army to maximize its use of the Wideband Global SATCOM (WGS) constellation. The MET's modular design and incorporation of Commercial-Off-The-Shelf (COTS) systems will improve the sustainability of Army enterprise satellite communications systems, reduce life cycle costs, and extend the life of the enterprise terminal family beyond 2025.

The Digital Communications Satellite Subsystem (DCSS) is an array of baseband equipment that is integral to the Defense Enterprise Wideband SATCOM System (DEWSS). DCSS is the interconnection between the Global Information Grid (GIG) and the DEWSS satellite earth terminal equipment, providing users with access to the Wideband Global SATCOM (WGS) system, the Defense Satellite Communications System, and other military and commercially available satellite constellations. Provides deployed Warfighters with global connectivity to military command and control systems, reachback to the

UNCLASSIFIED

Exhibit P-40, Budget Line Item Justification: PB 2016 Army **Date:** February 2015

Appropriation / Budget Activity / Budget Sub Activity: 2035A: Other Procurement, Army / BA 02: Communications and Electronics Equipment / BSA 18: Comm - Satellite Communications	P-1 Line Item Number / Title: BB8500 / Defense Enterprise Wideband Satcom Systems
---	---

ID Code (A=Service Ready, B=Not Service Ready) :	Program Elements for Code B Items:	Other Related Program Elements: 0303142A
---	---	---

sustaining base, and access to enterprise information resources and the Defense Information Systems Network. Interfaces with the national strategic communications infrastructure to support Presidential and senior DoD leadership communications.

The Enterprise Wideband Satellite Payload Control System provides for the management of Defense Satellite Communications System (DSCS) and Wideband Global SATCOM (WGS) earth terminal and satellite resources, which are required for rapid and efficient reaction to operational needs in support of the Warfighter. State-of-the-art strategic satellite payload network control and planning systems for use with DSCS, WGS, and commercial satellite systems are procured and installed at Wideband Satellite Operation Centers (WSOC) worldwide. Payload control functions control and configure the satellites. Network control functions manage communications between operators and processors, generate and drive display formats, and maintain and provide rapid access to the network databases. The Army's effort to digitize forces has created a tremendous increase in demand for bandwidth. Subsystems ensure efficient use of satellite power and spectrum, overcoming existing and projected bandwidth constraints, and allow U.S. forces to achieve information superiority on the battlefield. Provide reliable satellite communications networks to support unique user mission requirements vital to national security under stressed and unstressed conditions.

Secondary Distribution		FY 2014	FY 2015	FY 2016 Base	FY 2016 OCO	FY 2016 Total	FY 2017	FY 2018	FY 2019	FY 2020
Army	Quantity	-	-	-	-	-	-	-	-	-
	Total Obligation Authority	57.275	118.085	196.306	-	196.306	144.890	134.373	178.020	170.297
Total: Secondary Distribution	Quantity	-	-	-	-	-	-	-	-	-
	Total Obligation Authority	57.275	118.085	196.306	-	196.306	144.890	134.373	178.020	170.297

UNCLASSIFIED

Exhibit P-40, Budget Line Item Justification: PB 2016 Army **Date:** February 2015

Appropriation / Budget Activity / Budget Sub Activity: 2035A: Other Procurement, Army / BA 02: Communications and Electronics Equipment / BSA 18: Comm - Satellite Communications	P-1 Line Item Number / Title: BB8500 / Defense Enterprise Wideband Satcom Systems
--	---

ID Code (A=Service Ready, B=Not Service Ready) :	Program Elements for Code B Items:	Other Related Program Elements: 0303142A
---	---	---

Exhibits Schedule			Prior Years	FY 2014	FY 2015	FY 2016 Base	FY 2016 OCO	FY 2016 Total
Title*	Exhibits	ID CD	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)
B08701 / GMF Enhancement	P-40a		44 / 71.431	- / 1.146	- / 3.224	- / 2.330	- / -	- / 2.330
B08900 / Special Communications Links Program	P-40a		- / 17.670	- / 0.363	- / 2.041	- / 6.806	- / -	- / 6.806
BB8416 / Enterprise Wideband Satellite Terminal - (Mod)	P-5, P-5a, P-21		- / 714.039	- / 11.209	- / 30.154	- / 62.490	- / -	- / 62.490
BB8501 / Enterprise Wideband Satellite Terminal Digital EQ	P-5, P-5a		- / 762.909	- / 17.792	- / 25.194	- / 52.490	- / -	- / 52.490
BB8509 / Enterprise Wideband Sat Payload Control System	P-5, P-5a		- / 872.020	- / 26.765	- / 57.472	- / 72.190	- / -	- / 72.190
Total Gross/Weapon System Cost			- / 3,739.861	- / 57.275	- / 118.085	- / 196.306	- / -	- / 196.306

*Title represents 1) the Number / Title for Items; 2) the Number / Title [DODIC] for Ammunition; and/or 3) the Number / Title (Modification Type) for Modifications.

Note: Totals in this Exhibit P-40 set may not be exact or add due to rounding.

Justification:

FY 2016 Base procurement dollars in the amount of \$196.306 million support the following programs:

FY2016 Base dollars in the amount of \$2.330 million procures and integrates SHF Ka band capability with currently existing SHF X band capability, and conducts fielding and new equipment training of the AN/TSC-93E in support of the Active, Reserve, and National Guard components and supports program management organic support. In accordance with Section 1815 of the FY2008 National Defense Authorization Act (P.L. 110-181), this item is necessary for use by the active and reserve components of the Armed Forces for homeland defense missions, domestic emergency responses, and providing military support to civil authorities.

FY 2016 Base procurement dollars in the amount of \$6.806 million supports modernization of the Direct Communications Link (DCL) from serial based circuits to an Internet Protocol architecture. Funding provides the procurement of hardware and software, installation, and training support.

FY 2016 Base procurement dollars in the amount of \$62.490 million procures Modernization of Enterprise Terminals (MET) systems, and provides the required engineering, integration, and installation support for terminal fielding.

FY 2016 Base procurement dollars in the amount \$52.490 million procures satellite terminal and baseband equipment and associated management systems in support of NETCOM's relocations of the satellite earth stations at Landstuhl, Germany and Camp Roberts, California. Provides the minimum essential baseband and telecommunications equipment to support the modernization of DCSS components and their integration into the DEWSS, including modernization of baseband infrastructure to enable net-centric Internet Protocol communications at satellite earth terminals. Supports Chairman, Joint Chiefs of Staff (CJCS) validated Combatant Commanders/Service long haul communication requirements and provides baseband equipment support for the Modernization of Enterprise Terminals (MET) program.

FY 2016 Base procurement dollars in the amount of \$72.190 million supports the procurement of hardware/software, engineering services, Integrated Logistics Support (ILS) and Information Assurance (IA) for the Enterprise Wideband Satellite Payload Control System, which acquires and installs state-of-the-art strategic and tactical satellite payload control, spectrum monitoring, transmission control and network planning systems for wideband satellite constellations. Without Wideband Control systems to plan mission communications through WGS and DSCS programs, WIN-T would not function as designed.

"In accordance with Section 1815 of the FY 2008 National Defense Authorization Act (P.L.110-181), these items are necessary for use by the active components and reserve components of the Armed Forces for homeland defense missions, domestic emergency responses, and providing military support to civil authorities."

UNCLASSIFIED

Exhibit P-40a, Budget Item Justification For Aggregated Items: PB 2016 Army **Date:** February 2015

Appropriation / Budget Activity / Budget Sub Activity: 2035A / 02 / 18	P-1 Line Item Number / Title: BB8500 / Defense Enterprise Wideband Satcom Systems	Aggregated Items Title: Various
--	---	---

Note: Subtotals or Totals in this Exhibit P-40a may not be exact or add, due to rounding.

Item Number / Title [DODIC]	ID CD	MDAP/MAIS Code	Prior Years			FY 2014			FY 2015			FY 2016 Base			FY 2016 OCO			FY 2016 Total		
			Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)
GMF Enhancement																				
B08701 / GMF Enhancement			1,623.432	44	71.431	-	-	1.146	-	-	3.224	-	-	2.330	-	-	-	-	-	2.330
<i>Secondary Distribution</i>																				
Army				-	-		-	1.146		-	3.224		-	2.330		-	-		-	2.330
B08900 / Special Communications Links Program			-	-	17.670	-	-	0.363	-	-	2.041	-	-	6.806	-	-	-	-	-	6.806
<i>Secondary Distribution</i>																				
Army				-	-		-	0.363		-	2.041		-	6.806		-	-		-	6.806
<i>Subtotal: GMF Enhancement</i>			-	-	89.101	-	-	1.509	-	-	5.265	-	-	9.136	-	-	-	-	-	9.136
Total			-	-	89.101	-	-	1.509	-	-	5.265	-	-	9.136	-	-	-	-	-	9.136

UNCLASSIFIED

Exhibit P-5, Cost Analysis: PB 2016 Army		Date: February 2015
Appropriation / Budget Activity / Budget Sub Activity: 2035A / 02 / 18	P-1 Line Item Number / Title: BB8500 / Defense Enterprise Wideband Satcom Systems	Item Number / Title [DODIC]: BB8416 / Enterprise Wideband Satellite Terminal - (Mod)

ID Code (A=Service Ready, B=Not Service Ready) :	MDAP/MAIS Code:
---	------------------------

Resource Summary	Prior Years	FY 2014	FY 2015	FY 2016 Base	FY 2016 OCO	FY 2016 Total
Procurement Quantity (Units in Each)	-	-	-	-	-	-
Gross/Weapon System Cost (\$ in Millions)	714.039	11.209	30.154	62.490	-	62.490
Less PY Advance Procurement (\$ in Millions)	-	-	-	-	-	-
Net Procurement (P1) (\$ in Millions)	714.039	11.209	30.154	62.490	-	62.490
Plus CY Advance Procurement (\$ in Millions)	-	-	-	-	-	-
Total Obligation Authority (\$ in Millions)	714.039	11.209	30.154	62.490	-	62.490

(The following Resource Summary rows are for informational purposes only. The corresponding budget requests are documented elsewhere.)

Initial Spares (\$ in Millions)	-	-	-	-	-	-
Gross/Weapon System Unit Cost (\$ in Thousands)	-	-	-	8,927.143	-	8,927.143

Note: Subtotals or Totals in this Exhibit P-5 may not be exact or add, due to rounding.

Cost Elements	Prior Years			FY 2014			FY 2015			FY 2016 Base			FY 2016 OCO			FY 2016 Total		
	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)
Flyaway Cost																		
Recurring Cost																		
PM Support	-	-	65.738	-	-	3.100	-	-	3.400	-	-	1.536	-	-	-	-	-	1.536
Contractor Support	-	-	-	-	-	2.900	-	-	3.700	-	-	5.596	-	-	-	-	-	5.596
ISEC Installation Support	-	-	46.658	-	-	0.500	-	-	1.100	-	-	1.260	-	-	-	-	-	1.260
TYAD Installation Support	-	-	46.921	-	-	0.800	-	-	1.300	-	-	16.967	-	-	-	-	-	16.967
MET Hardware ^(†)	30,817.889	18	554.722	3,509.000	1	3.509	5,000.000	3	15.000	4,841.857	7	33.893	-	-	-	4,841.857	7	33.893
IP Test Sets	-	-	-	-	-	0.200	-	-	0.600	-	-	-	-	-	-	-	-	-
MET Install Support	-	-	-	-	-	-	-	-	3.854	-	-	-	-	-	-	-	-	-
Production Support	-	-	-	-	-	-	-	-	0.400	-	-	1.945	-	-	-	-	-	1.945
Baseband/Terminals Contract	-	-	-	-	-	0.200	-	-	0.800	-	-	0.852	-	-	-	-	-	0.852
Encore SMS Existing Tech Assignment	-	-	-	-	-	-	-	-	-	-	-	0.441	-	-	-	-	-	0.441
Subtotal: Recurring Cost	-	-	714.039	-	-	11.209	-	-	30.154	-	-	62.490	-	-	-	-	-	62.490
Subtotal: Flyaway Cost	-	-	714.039	-	-	11.209	-	-	30.154	-	-	62.490	-	-	-	-	-	62.490
Gross/Weapon System Cost	-	-	714.039	-	-	11.209	-	-	30.154	8,927.143	-	62.490	-	-	-	8,927.143	-	62.490

UNCLASSIFIED

Exhibit P-5, Cost Analysis: PB 2016 Army		Date: February 2015
Appropriation / Budget Activity / Budget Sub Activity: 2035A / 02 / 18	P-1 Line Item Number / Title: BB8500 / Defense Enterprise Wideband Satcom Systems	Item Number / Title [DODIC]: BB8416 / Enterprise Wideband Satellite Terminal - (Mod)

ID Code (A=Service Ready, B=Not Service Ready) :	MDAP/MAIS Code:
---	------------------------

Secondary Distribution		FY 2014	FY 2015	FY 2016 Base	FY 2016 OCO	FY 2016 Total
Army	Quantity	-	-	-	-	-
	Total Obligation Authority	11.209	30.154	62.490	-	62.490
Total:	Quantity	-	-	-	-	-
Secondary Distribution	Total Obligation Authority	11.209	30.154	62.490	-	62.490

(t) indicates the presence of a P-5a

UNCLASSIFIED

Exhibit P-5a, Procurement History and Planning: PB 2016 Army							Date: February 2015					
Appropriation / Budget Activity / Budget Sub Activity: 2035A / 02 / 18			P-1 Line Item Number / Title: BB8500 / Defense Enterprise Wideband Satcom Systems				Item Number / Title [DODIC]: BB8416 / Enterprise Wideband Satellite Terminal - (Mod)					
Cost Elements	O C O	FY	Contractor and Location	Method/Type or Funding Vehicle	Location of PCO	Award Date	Date of First Delivery	Qty <i>(Each)</i>	Unit Cost <i>(\$ K)</i>	Specs Avail Now?	Date Revision Available	RFP Issue Date
MET Hardware ^(†)		2014	Harris / Melbourne Florida	SS / FFP	ACC-RI	May 2014	Jun 2015	1	3,509.000			
MET Hardware ^(†)		2015	Harris / Melbourne Florida	SS / FFP	ACC-RI	May 2015	Jun 2016	3	5,000.000			
MET Hardware ^(†)		2016	Harris / Melbourne Florida	SS / FFP	ACC-RI	May 2016	Jun 2017	7	4,841.857			

^(†) indicates the presence of a P-21

UNCLASSIFIED

Exhibit P-21, Production Schedule: PB 2016 Army												Date: February 2015											
Appropriation / Budget Activity / Budget Sub Activity: 2035A / 02 / 18						P-1 Line Item Number / Title: BB8500 / Defense Enterprise Wideband Satcom Systems						Item Number / Title [DODIC]: BB8416 / Enterprise Wideband Satellite Terminal - (Mod)											

Cost Elements (Units in Each)						Fiscal Year 2014												Fiscal Year 2015													
O C C #	M F R #	FY	SERVICE	PROC QTY	ACCEPT PRIOR TO 1 OCT 2013	BAL DUE AS OF 1 OCT	Calendar Year 2014												Calendar Year 2015												
							O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	B A L
MET Hardware																															
Prior Years Deliveries: 18																															
1		2014	ARMY	1	-	1																									
1		2015	ARMY	3	-	3																									
1		2016	ARMY	7	-	7																									
							O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	B A L

UNCLASSIFIED

Exhibit P-21, Production Schedule: PB 2016 Army															Date: February 2015																
Appropriation / Budget Activity / Budget Sub Activity: 2035A / 02 / 18										P-1 Line Item Number / Title: BB8500 / Defense Enterprise Wideband Satcom Systems										Item Number / Title [DODIC]: BB8416 / Enterprise Wideband Satellite Terminal - (Mod)											

Cost Elements <i>(Units in Each)</i>					Fiscal Year 2016												Fiscal Year 2017														
O C C #	M F R #	FY	SERVICE	PROC QTY	ACCEPT PRIOR TO 1 OCT 2015	BAL DUE AS OF 1 OCT	Calendar Year 2016												Calendar Year 2017												
							O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	B A L
MET Hardware																															
Prior Years Deliveries: 18																															
1		2014	ARMY	1	1	-																									
1		2015	ARMY	3	-	3	-	-	-	-	-	-	-	-	3																
1		2016	ARMY	7	-	7							A	-	-	-	-	-	-	-	-	-	-	-	7						
							O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	B A L

UNCLASSIFIED

Exhibit P-21, Production Schedule: PB 2016 Army		Date: February 2015
Appropriation / Budget Activity / Budget Sub Activity: 2035A / 02 / 18		P-1 Line Item Number / Title: BB8500 / Defense Enterprise Wideband Satcom Systems
		Item Number / Title [DODIC]: BB8416 / Enterprise Wideband Satellite Terminal - (Mod)

MFR Ref #	MFR Name - Location	Production Rates (Each / Month)			Procurement Leadtime (Months)								
		MSR For 2016	1-8-5 For 2016	MAX For 2016	Initial				Reorder				
					ALT Prior to Oct 1	ALT After Oct 1	Mfg PLT	Total After Oct 1	ALT Prior to Oct 1	ALT After Oct 1	Mfg PLT	Total After Oct 1	
1	Harris - Melbourne Florida	1	6	12	-	-	-	-	-	-	-	-	-

"A" in the Delivery Schedule indicates the Contract Award Date.

Note: Due to space limitations, quantities in the Exhibit P-21 delivery calendar are truncated and rounded based on the maximum quantity in the calendar as follows. If the maximum quantity is less than or equal to than 9,999, all quantities are shown as each. If the maximum quantity is between 10,000 and 999,999 all quantities are shown in thousands. If the maximum quantity is between 1,000,000 and 999,999,999 all quantities are shown in millions (rounded to the nearest thousand). If the maximum quantity is equal or greater than 1,000,000,000 all quantities are shown in billions (rounded to the nearest million).

UNCLASSIFIED

Exhibit P-5, Cost Analysis: PB 2016 Army						Date: February 2015		
Appropriation / Budget Activity / Budget Sub Activity: 2035A / 02 / 18			P-1 Line Item Number / Title: BB8500 / Defense Enterprise Wideband Satcom Systems			Item Number / Title [DODIC]: BB8501 / Enterprise Wideband Satellite Terminal Digital EQ		
ID Code (A=Service Ready, B=Not Service Ready) :						MDAP/MAIS Code:		
Resource Summary			Prior Years	FY 2014	FY 2015	FY 2016 Base	FY 2016 OCO	FY 2016 Total
Procurement Quantity (Units in Each)			-	-	-	-	-	-
Gross/Weapon System Cost (\$ in Millions)			762.909	17.792	25.194	52.490	-	52.490
Less PY Advance Procurement (\$ in Millions)			-	-	-	-	-	-
Net Procurement (P1) (\$ in Millions)			762.909	17.792	25.194	52.490	-	52.490
Plus CY Advance Procurement (\$ in Millions)			-	-	-	-	-	-
Total Obligation Authority (\$ in Millions)			762.909	17.792	25.194	52.490	-	52.490
<i>(The following Resource Summary rows are for informational purposes only. The corresponding budget requests are documented elsewhere.)</i>								
Initial Spares (\$ in Millions)			-	-	-	-	-	-
Gross/Weapon System Unit Cost (\$ in Thousands)			-	-	-	6,561.250	-	6,561.250

Note: Subtotals or Totals in this Exhibit P-5 may not be exact or add, due to rounding.

Cost Elements	Prior Years			FY 2014			FY 2015			FY 2016 Base			FY 2016 OCO			FY 2016 Total		
	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)
Flyaway Cost																		
Recurring Cost																		
PM Support	283,869.000	1	283.869	-	-	3.500	-	-	4.594	-	-	4.578	-	-	-	-	-	4.578
Contractor Support	-	-	-	-	-	3.136	-	-	5.400	-	-	4.768	-	-	-	-	-	4.768
TYAD Support	240,365.000	1	240.365	-	-	2.100	-	-	2.500	-	-	2.500	-	-	-	-	-	2.500
ISEC Support	-	-	-	-	-	2.100	-	-	2.400	-	-	2.400	-	-	-	-	-	2.400
MIDAS ^(†)	9,547.000	25	238.675	-	-	0.200	-	-	0.200	-	-	0.200	-	-	-	-	-	0.200
TYAD Rack and Fabrication Support ^(†)	-	-	-	1,100.000	1	1.100	-	-	1.200	-	-	1.100	-	-	-	-	-	1.100
Baseband and Modem Modernization ^(†)	-	-	-	2,500.000	1	2.500	1,200.000	1	1.200	1,200.000	1	1.200	-	-	-	1,200.000	1	1.200
Camp Robert and Landstuhl Sets/ Relocate ^(†)	-	-	-	-	-	-	7,200.000	1	7.200	11,748.000	3	35.244	-	-	-	11,748.000	3	35.244
Interconnect Facilities Modernization ^(†)	-	-	-	197.250	8	1.578	-	-	-	-	-	-	-	-	-	-	-	-
Power Distribution Rack Modernization ^(†)	-	-	-	175.333	9	1.578	125.000	4	0.500	125.000	4	0.500	-	-	-	125.000	4	0.500
<i>Subtotal: Recurring Cost</i>	<i>-</i>	<i>-</i>	<i>762.909</i>	<i>-</i>	<i>-</i>	<i>17.792</i>	<i>-</i>	<i>-</i>	<i>25.194</i>	<i>-</i>	<i>-</i>	<i>52.490</i>	<i>-</i>	<i>-</i>	<i>-</i>	<i>-</i>	<i>-</i>	<i>52.490</i>
<i>Subtotal: Flyaway Cost</i>	<i>-</i>	<i>-</i>	<i>762.909</i>	<i>-</i>	<i>-</i>	<i>17.792</i>	<i>-</i>	<i>-</i>	<i>25.194</i>	<i>-</i>	<i>-</i>	<i>52.490</i>	<i>-</i>	<i>-</i>	<i>-</i>	<i>-</i>	<i>-</i>	<i>52.490</i>
Gross/Weapon System Cost	-	-	762.909	-	-	17.792	-	-	25.194	6,561.250	-	52.490	-	-	-	6,561.250	-	52.490

UNCLASSIFIED

Exhibit P-5, Cost Analysis: PB 2016 Army		Date: February 2015
Appropriation / Budget Activity / Budget Sub Activity: 2035A / 02 / 18	P-1 Line Item Number / Title: BB8500 / Defense Enterprise Wideband Satcom Systems	Item Number / Title [DODIC]: BB8501 / Enterprise Wideband Satellite Terminal Digital EQ

ID Code (A=Service Ready, B=Not Service Ready) : _____ **MDAP/MAIS Code:** _____

Secondary Distribution		FY 2014	FY 2015	FY 2016 Base	FY 2016 OCO	FY 2016 Total
Army	Quantity	-	-	-	-	-
	Total Obligation Authority	17.792	25.194	52.490	-	52.490
Total:	Quantity	-	-	-	-	-
Secondary Distribution	Total Obligation Authority	17.792	25.194	52.490	-	52.490

(t) indicates the presence of a P-5a

UNCLASSIFIED

Exhibit P-5a, Procurement History and Planning: PB 2016 Army **Date:** February 2015

Appropriation / Budget Activity / Budget Sub Activity: 2035A / 02 / 18	P-1 Line Item Number / Title: BB8500 / Defense Enterprise Wideband Satcom Systems	Item Number / Title [DODIC]: BB8501 / Enterprise Wideband Satellite Terminal Digital EQ
--	---	---

Cost Elements	O C O	FY	Contractor and Location	Method/Type or Funding Vehicle	Location of PCO	Award Date	Date of First Delivery	Qty <i>(Each)</i>	Unit Cost <i>(\$ K)</i>	Specs Avail Now?	Date Revision Available	RFP Issue Date
MIDAS		2014	Raytheon / Marlborough Massachusetts	SS / FFP	APG, MD	Mar 2014	Apr 2014	-	-			
MIDAS		2015	TBD / TBD	C / TBD	TBD	Mar 2015	Apr 2015	-	-			
MIDAS		2016	TBD / TBD	C / TBD	TBD	Mar 2016	Apr 2016	-	-			
TYAD Rack and Fabrication Support		2014	TYAD / Tobyhanna, PA	SS / FFP	TYAD	May 2014	Jun 2014	1	1,100.000			
TYAD Rack and Fabrication Support		2015	TBD / TBD	C / TBD	TBD	May 2015	Jun 2015	-	-			
TYAD Rack and Fabrication Support		2016	TBD / TBD	C / TBD	TBD	May 2016	Jun 2016	-	-			
Baseband and Modem Modernization		2014	TYAD / Tobyhanna, PA	SS / FFP	TYAD	May 2014	Jun 2014	1	2,500.000			
Baseband and Modem Modernization		2015	TBD / TBD	C / TBD	TBD	May 2015	Jun 2015	1	1,200.000			
Baseband and Modem Modernization		2016	TBD / TBD	C / TBD	TBD	May 2016	Jun 2016	1	1,200.000			
Camp Robert and Landstuhl Sets/ Relocate		2015	TBD / TBD	C / TBD	TBD	May 2015	Jun 2015	1	7,200.000			
Camp Robert and Landstuhl Sets/ Relocate		2016	TBD / TBD	C / TBD	TBD	May 2016	Jun 2016	3	11,748.000			
Interconnect Facilities Modernization		2014	TYAD / Tobyhanna, PA	SS / FFP	TYAD	May 2014	Jun 2014	8	197.250			
Power Distribution Rack Modernization		2014	TYAD / Tobyhanna, PA	SS / FFP	TYAD	May 2014	Jun 2014	9	175.333			
Power Distribution Rack Modernization		2015	TBD / TBD	C / TBD	TBD	May 2015	Jun 2015	4	125.000			
Power Distribution Rack Modernization		2016	TBD / TBD	C / TBD	TBD	May 2016	Jun 2016	4	125.000			

Remarks:
P-21 is not provided, as these lines purchase multiple, cross-system components.

UNCLASSIFIED

Exhibit P-5, Cost Analysis: PB 2016 Army						Date: February 2015					
Appropriation / Budget Activity / Budget Sub Activity: 2035A / 02 / 18				P-1 Line Item Number / Title: BB8500 / Defense Enterprise Wideband Satcom Systems				Item Number / Title [DODIC]: BB8509 / Enterprise Wideband Sat Payload Control System			
ID Code (A=Service Ready, B=Not Service Ready) :						MDAP/MAIS Code:					
Resource Summary			Prior Years	FY 2014	FY 2015	FY 2016 Base	FY 2016 OCO	FY 2016 Total			
Procurement Quantity (Units in Each)			-	-	-	-	-	-	-	-	
Gross/Weapon System Cost (\$ in Millions)			872.020	26.765	57.472	72.190	-	72.190	-	-	
Less PY Advance Procurement (\$ in Millions)			-	-	-	-	-	-	-	-	
Net Procurement (P1) (\$ in Millions)			872.020	26.765	57.472	72.190	-	72.190	-	-	
Plus CY Advance Procurement (\$ in Millions)			-	-	-	-	-	-	-	-	
Total Obligation Authority (\$ in Millions)			872.020	26.765	57.472	72.190	-	72.190	-	72.190	
<i>(The following Resource Summary rows are for informational purposes only. The corresponding budget requests are documented elsewhere.)</i>											
Initial Spares (\$ in Millions)			-	-	-	-	-	-	-	-	
Gross/Weapon System Unit Cost (\$ in Thousands)			-	-	-	6,562.727	-	6,562.727	-	-	

Note: Subtotals or Totals in this Exhibit P-5 may not be exact or add, due to rounding.

Cost Elements	Prior Years			FY 2014			FY 2015			FY 2016 Base			FY 2016 OCO			FY 2016 Total		
	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)
Flyaway Cost																		
Recurring Cost																		
Government Engineering	-	-	-	-	-	2.600	-	-	1.618	-	-	1.400	-	-	-	-	-	1.400
Control Satellite Lab (CSL)	-	-	0.500	-	-	0.500	-	-	0.500	-	-	0.500	-	-	-	-	-	0.500
PM Support	-	-	34.821	-	-	2.100	-	-	2.200	-	-	2.300	-	-	-	-	-	2.300
Software	-	-	52.363	-	-	1.700	-	-	0.854	-	-	0.800	-	-	-	-	-	0.800
WSTARS/WMI ^(†)	11,500.000	1	11.500	-	-	0.200	-	-	0.200	9,820.000	1	9.820	-	-	-	9,820.000	1	9.820
Replace Radio Frequency System (RRFIS) ^(†)	4,207.000	150	631.050	-	-	0.200	-	-	0.300	1,014.000	1	1.014	-	-	-	1,014.000	1	1.014
WRMS ^(†)	6,000.000	1	6.000	8,352.000	1	8.352	9,500.000	1	9.500	9,500.000	1	9.500	-	-	-	9,500.000	1	9.500
Common Network Planning System (CNPS) ^(†)	-	-	5.000	-	-	0.800	9,700.000	1	9.700	9,778.000	1	9.778	-	-	-	9,778.000	1	9.778
DIMS ^(†)	-	-	-	-	-	-	3,175.000	4	12.700	3,175.000	1	3.175	-	-	-	3,175.000	1	3.175
GSCCE ^(†)	-	-	2.339	-	-	-	10,300.000	1	10.300	10,300.000	1	10.300	-	-	-	10,300.000	1	10.300
WSOMS ^(†)	-	-	-	-	-	-	7,500.000	1	7.500	7,422.000	1	7.422	-	-	-	7,422.000	1	7.422
Joint Mngmt. & Ops. System (JMOS) ^(†)	-	-	-	1,033.333	3	3.100	1,200.000	1	1.200	1,200.000	1	1.200	-	-	-	1,200.000	1	1.200

UNCLASSIFIED

Exhibit P-5, Cost Analysis: PB 2016 Army		Date: February 2015
Appropriation / Budget Activity / Budget Sub Activity: 2035A / 02 / 18	P-1 Line Item Number / Title: BB8500 / Defense Enterprise Wideband Satcom Systems	Item Number / Title [DODIC]: BB8509 / Enterprise Wideband Sat Payload Control System

ID Code (A=Service Ready, B=Not Service Ready) :	MDAP/MAIS Code:
---	------------------------

Note: Subtotals or Totals in this Exhibit P-5 may not be exact or add, due to rounding.

Cost Elements	Prior Years			FY 2014			FY 2015			FY 2016 Base			FY 2016 OCO			FY 2016 Total		
	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)
Replacemt Patch & Test Facility (RPTF) ^(t)	7,944.000	1	7.944	-	-	-	-	-	0.200	-	-	-	-	-	-	-	-	-
Frequency Control System (FCS)	-	-	-	-	-	-	-	-	0.200	-	-	-	-	-	-	-	-	-
Remote Monitor Control Equip. (RMCE) v.2 ^(t)	2,353.000	51	120.003	7,213.000	1	7.213	-	-	0.500	-	-	-	-	-	-	-	-	
Wideband Trainer & Certification System ^(t)	-	-	-	-	-	-	-	-	-	6,740.500	2	13.481	-	-	-	6,740.500	2	13.481
RFMOW ^(t)	-	-	0.500	-	-	-	-	-	-	1,500.000	1	1.500	-	-	-	1,500.000	1	1.500
<i>Subtotal: Recurring Cost</i>	-	-	872.020	-	-	26.765	-	-	57.472	-	-	72.190	-	-	-	-	-	72.190
<i>Subtotal: Flyaway Cost</i>	-	-	872.020	-	-	26.765	-	-	57.472	-	-	72.190	-	-	-	-	-	72.190
Gross/Weapon System Cost	-	-	872.020	-	-	26.765	-	-	57.472	6,562.727	-	72.190	-	-	-	6,562.727	-	72.190

Secondary Distribution		FY 2014	FY 2015	FY 2016 Base	FY 2016 OCO	FY 2016 Total
Army	Quantity	-	-	-	-	-
	Total Obligation Authority	26.765	57.472	72.190	-	72.190
Total:	Quantity	-	-	-	-	-
Secondary Distribution	Total Obligation Authority	26.765	57.472	72.190	-	72.190

^(t) indicates the presence of a P-5a

UNCLASSIFIED

Exhibit P-5a, Procurement History and Planning: PB 2016 Army								Date: February 2015				
Appropriation / Budget Activity / Budget Sub Activity: 2035A / 02 / 18			P-1 Line Item Number / Title: BB8500 / Defense Enterprise Wideband Satcom Systems					Item Number / Title [DODIC]: BB8509 / Enterprise Wideband Sat Payload Control System				
Cost Elements	O C O	FY	Contractor and Location	Method/Type or Funding Vehicle	Location of PCO	Award Date	Date of First Delivery	Qty <i>(Each)</i>	Unit Cost <i>(\$ K)</i>	Specs Avail Now?	Date Revision Available	RFP Issue Date
WSTARS/WMII		2014	Harris / Palm Bay, FI	SS / FFP	ACC-RI	Apr 2014	May 2014	-	-			
WSTARS/WMII		2015	TBD / TBD	C / TBD	TBD	Apr 2015	May 2015	-	-			
WSTARS/WMII		2016	TBD / TBD	C / TBD	TBD	Apr 2016	May 2016	1	9,820.000			
Replace Radio Frequency System (RRFIS)		2014	Harris / Palm Bay, FI	SS / FFP	ACC-RI	Apr 2014	May 2014	-	-			
Replace Radio Frequency System (RRFIS)		2015	TBD / TBD	C / TBD	TBD	Apr 2015	May 2015	-	-			
Replace Radio Frequency System (RRFIS)		2016	TBD / TBD	C / TBD	TBD	Apr 2016	May 2016	1	1,014.000			
WRMS		2014	Northrop Grumman / Orlando, FL	SS / FFP	ACC-RI	Apr 2014	Jun 2014	1	8,352.000			
WRMS		2015	TBD / TBD	C / TBD	TBD	Apr 2015	Jun 2015	1	9,500.000			
WRMS		2016	TBD / TBD	C / TBD	TBD	Apr 2016	Jun 2016	1	9,500.000			
Common Network Planning System (CNPS)		2014	Northrop Grumman / Herndon, VA	SS / FFP	APG, MD	Dec 2013	Jan 2014	-	-			
Common Network Planning System (CNPS)		2015	TBD / TBD	C / TBD	TBD	Dec 2014	Jan 2015	1	9,700.000			
Common Network Planning System (CNPS)		2016	TBD / TBD	C / TBD	TBD	Dec 2015	Jan 2016	1	9,778.000			
DIMS		2015	TBD / TBD	C / TBD	TBD	Mar 2015	Apr 2015	4	3,175.000			
DIMS		2016	TBD / TBD	C / TBD	TBD	Mar 2016	Apr 2016	1	3,175.000			
GSCCE		2015	TBD / TBD	C / TBD	TBD	Apr 2015	May 2015	1	10,300.000			
GSCCE		2016	TBD / TBD	C / TBD	TBD	Apr 2016	May 2016	1	10,300.000			
WSOMS		2015	TBD / TBD	C / TBD	TBD	Mar 2015	Apr 2015	1	7,500.000			
WSOMS		2016	TBD / TBD	C / TBD	TBD	Mar 2016	Apr 2016	1	7,422.000			
Joint Mngmt. & Ops. System (JMOS)		2014	Exelis / Colorado Springs, CO	SS / FFP	ACC-RI	Nov 2013	Dec 2013	3	1,033.333			
Joint Mngmt. & Ops. System (JMOS)		2015	TBD / TBD	C / TBD	TBD	Nov 2014	Dec 2014	1	1,200.000			
Joint Mngmt. & Ops. System (JMOS)		2016	TBD / TBD	C / TBD	TBD	Sep 2015	Oct 2015	1	1,200.000			
Replacemt Patch & Test Facility (RPTF)		2015	TBD / TBD	C / TBD	TBD	Mar 2015	Apr 2015	-	-			
Remote Monitor Control Equip. (RMCE) v.2		2014	JHU/APL / Laurel, MD	SS / FFP	ACC-RI	Sep 2014	Sep 2014	1	7,213.000			
Remote Monitor Control Equip. (RMCE) v.2		2015	TBD / TBD	C / TBD	TBD	Sep 2015	Sep 2015	-	-			

UNCLASSIFIED

Exhibit P-5a, Procurement History and Planning: PB 2016 Army							Date: February 2015					
Appropriation / Budget Activity / Budget Sub Activity: 2035A / 02 / 18			P-1 Line Item Number / Title: BB8500 / Defense Enterprise Wideband Satcom Systems				Item Number / Title [DODIC]: BB8509 / Enterprise Wideband Sat Payload Control System					
Cost Elements	O C O	FY	Contractor and Location	Method/Type or Funding Vehicle	Location of PCO	Award Date	Date of First Delivery	Qty (Each)	Unit Cost (\$ K)	Specs Avail Now?	Date Revision Available	RFP Issue Date
Wideband Trainer & Certification System		2016	TBD / TBD	C / TBD	TBD	Apr 2016	May 2016	2	6,740.500			
RFMOW		2016	TBD / TBD	C / TBD	TBD	Apr 2016	May 2016	1	1,500.000			

Remarks:
P-21 is not provided, as these lines purchase multiple, cross-system components.

UNCLASSIFIED

Exhibit P-40, Budget Line Item Justification: PB 2016 Army **Date:** February 2015

Appropriation / Budget Activity / Budget Sub Activity: 2035A: Other Procurement, Army / BA 02: Communications and Electronics Equipment / BSA 18: Comm - Satellite Communications	P-1 Line Item Number / Title: B85800 / Transportable Tactical Command Communications (T2C)
--	--

ID Code (A=Service Ready, B=Not Service Ready) : A	Program Elements for Code B Items:	Other Related Program Elements: 0303142A
---	---	---

Resource Summary	Prior Years	FY 2014	FY 2015	FY 2016 Base	FY 2016 OCO	FY 2016 Total	FY 2017	FY 2018	FY 2019	FY 2020	To Complete	Total
Procurement Quantity <i>(Units in Each)</i>	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Cost <i>(\$ in Millions)</i>	1.819	-	13.999	44.998	5.724	50.722	49.232	62.849	62.962	78.456	-	320.039
Less PY Advance Procurement <i>(\$ in Millions)</i>	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P1) <i>(\$ in Millions)</i>	1.819	-	13.999	44.998	5.724	50.722	49.232	62.849	62.962	78.456	-	320.039
Plus CY Advance Procurement <i>(\$ in Millions)</i>	-	-	-	-	-	-	-	-	-	-	-	-
Total Obligation Authority <i>(\$ in Millions)</i>	1.819	-	13.999	44.998	5.724	50.722	49.232	62.849	62.962	78.456	-	320.039

(The following Resource Summary rows are for informational purposes only. The corresponding budget requests are documented elsewhere.)

Initial Spares <i>(\$ in Millions)</i>	-	-	-	-	-	-	-	-	-	-	-	-
Flyaway Unit Cost <i>(\$ in Thousands)</i>	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Unit Cost <i>(\$ in Thousands)</i>	-	-	-	-	-	-	-	-	-	-	-	-

Description:

Transportable Tactical Command Communications (T2C2) extends the Warfighter Information Network Tactical (WIN-T) network to small company and team sized early entry units. The T2C2 system is based on combat proven capabilities and provides robust voice and data communication capabilities. The T2C2 systems will also integrate users into the higher capacity WIN-T network and extend that network to the tactical edge; T2C2 also enables warfighters in select small Command Posts (CP) (typically Company level) and select Army teams to send and receive time sensitive Situational Awareness (SA), Intelligence, and Mission Command (MC) information while At-the-Halt (ATH) in support of all Joint determined and defined operational phases. These phases span from the initial Shaping Phase, designed to dissuade or deter adversaries and assure mission friends, Deterrence, Initiative Seizure and Domination culminating with post maneuver Stabilization and Enabling of Civil Authorities enabling legitimate civil governance in safe and secure environment.

The approved AAO for Transportable Tactical Command Communications (T2C2) is 490 Lites, 372 Heavys.

T2C2 Capability Production Document (CPD) was validated in Nov 2013.

Secondary Distribution	FY 2014	FY 2015	FY 2016 Base	FY 2016 OCO	FY 2016 Total	FY 2017	FY 2018	FY 2019	FY 2020
Army	Quantity	-	-	-	-	-	-	-	-
	Total Obligation Authority	-	13.999	44.998	5.724	50.722	44.512	56.949	49.242
ANG	Quantity	-	-	-	-	-	-	-	-
	Total Obligation Authority	-	-	-	-	-	4.720	5.900	11.420
AR	Quantity	-	-	-	-	-	-	-	-
	Total Obligation Authority	-	-	-	-	-	-	-	2.300

UNCLASSIFIED

Exhibit P-40, Budget Line Item Justification: PB 2016 Army **Date:** February 2015

Appropriation / Budget Activity / Budget Sub Activity: 2035A: Other Procurement, Army / BA 02: Communications and Electronics Equipment / BSA 18: Comm - Satellite Communications	P-1 Line Item Number / Title: B85800 / Transportable Tactical Command Communications (T2C)
--	--

ID Code (A=Service Ready, B=Not Service Ready) : A	Program Elements for Code B Items:	Other Related Program Elements: 0303142A
---	---	---

Secondary Distribution		FY 2014	FY 2015	FY 2016 Base	FY 2016 OCO	FY 2016 Total	FY 2017	FY 2018	FY 2019	FY 2020
Total:	Quantity	-	-	-	-	-	-	-	-	-
Secondary Distribution	Total Obligation Authority	-	13.999	44.998	5.724	50.722	49.232	62.849	62.962	78.456

UNCLASSIFIED

Exhibit P-40, Budget Line Item Justification: PB 2016 Army **Date:** February 2015

Appropriation / Budget Activity / Budget Sub Activity: 2035A: Other Procurement, Army / BA 02: Communications and Electronics Equipment / BSA 18: Comm - Satellite Communications	P-1 Line Item Number / Title: B85800 / Transportable Tactical Command Communications (T2C)
--	--

ID Code (A=Service Ready, B=Not Service Ready) : A	Program Elements for Code B Items:	Other Related Program Elements: 0303142A
---	---	---

Exhibits Schedule			Prior Years	FY 2014	FY 2015	FY 2016 Base	FY 2016 OCO	FY 2016 Total
Title*	Exhibits	ID CD	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)
B85800 / Transportable Tactical Command Communications (T2C)	P-5, P-5a, P-21	A	- / 1.819	- / -	- / 13.999	- / 44.998	- / 5.724	- / 50.722
Total Gross/Weapon System Cost			- / 1.819	- / -	- / 13.999	- / 44.998	- / 5.724	- / 50.722

*Title represents 1) the Number / Title for Items; 2) the Number / Title [DODIC] for Ammunition; and/or 3) the Number / Title (Modification Type) for Modifications.

Note: Totals in this Exhibit P-40 set may not be exact or add due to rounding.

Justification:
 FY16 base procurement dollars, in the amount of \$44.998 million, supports the procurement of Low Rate Initial Production (LRIP) quantities for T2C2 Light (34) and T2C2 Heavy (24) systems. FY16 OCO procurement dollars, in the amount of \$5.724 million, supports T2C2 Bridging Capabilities. Commercial manpackable satellite terminals will be procured to support emerging operational needs of forces deploying to the Theater of Operations in the Persian Gulf or Operation INHERENT RESOLVE (OIR).

"In accordance with Section 1815 of the FY 2008 National Defense Authorization Act (P.L. 110-181), this item is necessary for use by the active and reserve components of the Armed Forces for homeland defense missions, domestic emergency responses, and providing military support to civil authorities".

UNCLASSIFIED

Exhibit P-5, Cost Analysis: PB 2016 Army		Date: February 2015
Appropriation / Budget Activity / Budget Sub Activity: 2035A / 02 / 18	P-1 Line Item Number / Title: B85800 / Transportable Tactical Command Communications (T2C)	Item Number / Title [DODIC]: B85800 / Transportable Tactical Command Communications (T2C)

ID Code (A=Service Ready, B=Not Service Ready) : A	MDAP/MAIS Code:
---	------------------------

Resource Summary	Prior Years	FY 2014	FY 2015	FY 2016 Base	FY 2016 OCO	FY 2016 Total
Procurement Quantity (Units in Each)	-	-	-	-	-	-
Gross/Weapon System Cost (\$ in Millions)	1.819	-	13.999	44.998	5.724	50.722
Less PY Advance Procurement (\$ in Millions)	-	-	-	-	-	-
Net Procurement (P1) (\$ in Millions)	1.819	-	13.999	44.998	5.724	50.722
Plus CY Advance Procurement (\$ in Millions)	-	-	-	-	-	-
Total Obligation Authority (\$ in Millions)	1.819	-	13.999	44.998	5.724	50.722

(The following Resource Summary rows are for informational purposes only. The corresponding budget requests are documented elsewhere.)

Initial Spares (\$ in Millions)	-	-	-	-	-	-
Gross/Weapon System Unit Cost (\$ in Thousands)	-	-	-	-	-	-

Note: Subtotals or Totals in this Exhibit P-5 may not be exact or add, due to rounding.

Cost Elements	Prior Years			FY 2014			FY 2015			FY 2016 Base			FY 2016 OCO			FY 2016 Total		
	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)
Flyaway Cost																		
Recurring Cost																		
AN/PSC-15 (GRRIP) Upgrade ^(t)	10.000	100	1.000	-	-	-	21.102	49	1.034	-	-	-	-	-	-	-	-	-
T2C2 Lite ^(t)	-	-	-	-	-	-	322.000	10	3.220	397.676	34	13.521	-	-	397.676	34	13.521	
T2C2 Heavy ^(t)	-	-	-	-	-	-	555.727	11	6.113	685.375	24	16.449	-	-	685.375	24	16.449	
Software	-	-	-	-	-	-	-	-	0.887	-	-	4.167	-	-	-	-	4.167	
System Engineering	-	-	0.435	-	-	-	-	-	0.450	-	-	0.930	-	-	-	-	0.930	
ILS	-	-	0.100	-	-	-	-	-	-	-	-	1.947	-	-	-	-	1.947	
Fielding & Training	-	-	0.078	-	-	-	-	-	1.280	-	-	4.416	-	-	-	-	4.416	
Program Management	-	-	0.206	-	-	-	-	-	1.015	-	-	3.568	-	-	-	-	3.568	
Bridging Capabilities	-	-	-	-	-	-	-	-	-	-	-	-	477.000	12	5.724	477.000	12	5.724
Subtotal: Recurring Cost	-	-	1.819	-	-	-	-	-	13.999	-	-	44.998	-	-	5.724	-	50.722	
Subtotal: Flyaway Cost	-	-	1.819	-	-	-	-	-	13.999	-	-	44.998	-	-	5.724	-	50.722	
Gross/Weapon System Cost	-	-	1.819	-	-	-	-	-	13.999	-	-	44.998	-	-	5.724	-	50.722	

Secondary Distribution		FY 2014	FY 2015	FY 2016 Base	FY 2016 OCO	FY 2016 Total
Army	Quantity	-	-	-	-	-
	Total Obligation Authority	-	13.999	44.998	5.724	50.722

UNCLASSIFIED

Exhibit P-5, Cost Analysis: PB 2016 Army		Date: February 2015
Appropriation / Budget Activity / Budget Sub Activity: 2035A / 02 / 18	P-1 Line Item Number / Title: B85800 / Transportable Tactical Command Communications (T2C)	Item Number / Title [DODIC]: B85800 / Transportable Tactical Command Communications (T2C)

ID Code (A=Service Ready, B=Not Service Ready) : A		MDAP/MAIS Code:				
Secondary Distribution		FY 2014	FY 2015	FY 2016 Base	FY 2016 OCO	FY 2016 Total
Total:	Quantity	-	-	-	-	-
Secondary Distribution	Total Obligation Authority	-	13.999	44.998	5.724	50.722

(t) indicates the presence of a P-5a

UNCLASSIFIED

Exhibit P-5a, Procurement History and Planning: PB 2016 Army							Date: February 2015					
Appropriation / Budget Activity / Budget Sub Activity: 2035A / 02 / 18			P-1 Line Item Number / Title: B85800 / Transportable Tactical Command Communications (T2C)				Item Number / Title [DODIC]: B85800 / Transportable Tactical Command Communications (T2C)					

Cost Elements	O C O	FY	Contractor and Location	Method/Type or Funding Vehicle	Location of PCO	Award Date	Date of First Delivery	Qty <i>(Each)</i>	Unit Cost <i>(\$ K)</i>	Specs Avail Now?	Date Revision Available	RFP Issue Date
AN/PSC-15 (GRRIP) Upgrade ^(†)		2015	KLAS Telecom Services / Washington D.C.	C / CPFF	Ft. Dix, NJ	Feb 2015	Aug 2015	49	21.102	N		Nov 2014
T2C2 Lite ^(†)		2015	TBD / TBD	TBD	Aberdeen Proving Ground, MD	Jan 2016	Apr 2016	10	322.000	N		Jun 2015
T2C2 Lite ^(†)		2016	TBD / TBD	TBD	Aberdeen Proving Ground, MD	Mar 2016	Jun 2016	34	397.676	N		Jun 2015
T2C2 Heavy ^(†)		2015	TBD / TBD	TBD	Aberdeen Proving Ground, MD	Jan 2016	Apr 2016	11	555.727	N		Jun 2015
T2C2 Heavy ^(†)		2016	TBD / TBD	TBD	Aberdeen Proving Ground, MD	Mar 2016	Jun 2016	24	685.375	N		Jun 2015

^(†) indicates the presence of a P-21

Remarks:
Unit cost changed to better reflect currently fielded solutions that meets the operational requirements.

UNCLASSIFIED

Exhibit P-21, Production Schedule: PB 2016 Army																						Date: February 2015										
Appropriation / Budget Activity / Budget Sub Activity: 2035A / 02 / 18										P-1 Line Item Number / Title: B85800 / Transportable Tactical Command Communications (T2C)										Item Number / Title [DODIC]: B85800 / Transportable Tactical Command Communications (T2C)												
Cost Elements <i>(Units in Each)</i>						Fiscal Year 2015													Fiscal Year 2016													
O C C O	M F R #	FY	SERVICE	PROC QTY	ACCEPT PRIOR TO 1 OCT 2014	BAL DUE AS OF 1 OCT	Calendar Year 2015													Calendar Year 2016												
							O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	B A L	
AN/PSC-15 (GRRIP) Upgrade																																
Prior Years Deliveries: 100																																
	1	2015	ARMY	49	-	49																								-		
T2C2 Lite																																
	2	2015	ARMY	10	-	10																									-	
	2	2016	ARMY	34	-	34																									-	
T2C2 Heavy																																
	3	2015	ARMY	11	-	11																									-	
	3	2016	ARMY	24	-	24																									-	
							O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	B A L	

UNCLASSIFIED

Exhibit P-21, Production Schedule: PB 2016 Army		Date: February 2015
Appropriation / Budget Activity / Budget Sub Activity: 2035A / 02 / 18		P-1 Line Item Number / Title: B85800 / Transportable Tactical Command Communications (T2C)
		Item Number / Title [DODIC]: B85800 / Transportable Tactical Command Communications (T2C)

MFR Ref #	MFR Name - Location	Production Rates (Each / Month)			Procurement Leadtime (Months)							
		MSR For 2016	1-8-5 For 2016	MAX For 2016	Initial			Reorder				
					ALT Prior to Oct 1	ALT After Oct 1	Mfg PLT	ALT Prior to Oct 1	ALT After Oct 1	Mfg PLT	Total After Oct 1	
1	KLAS Telecom Services - Washington D.C.	8	16	24	-	3	6	9	-	-	-	-
2	TBD - TBD	2	16	24	-	4	6	10	-	-	-	-
3	TBD - TBD	2	16	24	-	4	6	10	-	-	-	-

"A" in the Delivery Schedule indicates the Contract Award Date.

Note: Due to space limitations, quantities in the Exhibit P-21 delivery calendar are truncated and rounded based on the maximum quantity in the calendar as follows. If the maximum quantity is less than or equal to than 9,999, all quantities are shown as each. If the maximum quantity is between 10,000 and 999,999 all quantities are shown in thousands. If the maximum quantity is between 1,000,000 and 999,999,999 all quantities are shown in millions (rounded to the nearest thousand). If the maximum quantity is equal or greater than 1,000,000,000 all quantities are shown in billions (rounded to the nearest million).

UNCLASSIFIED

Exhibit P-40, Budget Line Item Justification: PB 2016 Army **Date:** February 2015

Appropriation / Budget Activity / Budget Sub Activity: 2035A: Other Procurement, Army / BA 02: Communications and Electronics Equipment / BSA 18: Comm - Satellite Communications	P-1 Line Item Number / Title: BA9350 / SHF Term
--	---

ID Code (A=Service Ready, B=Not Service Ready) : A	Program Elements for Code B Items:						Other Related Program Elements:					
Resource Summary	Prior Years	FY 2014	FY 2015	FY 2016 Base	FY 2016 OCO	FY 2016 Total	FY 2017	FY 2018	FY 2019	FY 2020	To Complete	Total
Procurement Quantity (Units in Each)	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Cost (\$ in Millions)	513.113	7.232	6.494	7.629	-	7.629	-	-	-	-	-	534.468
Less PY Advance Procurement (\$ in Millions)	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P1) (\$ in Millions)	513.113	7.232	6.494	7.629	-	7.629	-	-	-	-	-	534.468
Plus CY Advance Procurement (\$ in Millions)	-	-	-	-	-	-	-	-	-	-	-	-
Total Obligation Authority (\$ in Millions)	513.113	7.232	6.494	7.629	-	7.629	-	-	-	-	-	534.468

(The following Resource Summary rows are for informational purposes only. The corresponding budget requests are documented elsewhere.)

Initial Spares (\$ in Millions)	-	-	-	-	-	-	-	-	-	-	-	-
Flyaway Unit Cost (\$ in Thousands)	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Unit Cost (\$ in Thousands)	-	-	-	-	-	-	-	-	-	-	-	-

Description:

Super High Frequency (SHF) terminal, also referred to as the Phoenix, satisfies tactical, highly mobile, command and control, intelligence, fire support, air defense and logistics wideband communications requirements in support of Army and multi-service users. Phoenix provides the Army operational flexibility by operating over four bands (C, X, Ka, and Ku) on military and commercial satellites resulting in less dependency on costly and high demand commercial satellites. Fielding is to Active, Reserve and National Guard Expeditionary Signal Battalions (ESBs). The Army decided to retire legacy AN/TSC-85 terminals by 2015 and replace them with SHF (Phoenix) terminals and upgrade all Phoenix terminals from 20 to 50 Megabits per second (Mbps) aggregate capacity to meet growing capacity demands. This program is designated as a DoD Space Program.

The Approved Acquisition Objective (AAO) for the SHF Terminal is 112.

Secondary Distribution		FY 2014	FY 2015	FY 2016 Base	FY 2016 OCO	FY 2016 Total	FY 2017	FY 2018	FY 2019	FY 2020
Army	Quantity	-	-	-	-	-	-	-	-	-
	Total Obligation Authority	7.232	1.208	7.629	-	7.629	-	-	-	-
ANG	Quantity	-	-	-	-	-	-	-	-	-
	Total Obligation Authority	-	3.867	-	-	-	-	-	-	-
AR	Quantity	-	-	-	-	-	-	-	-	-
	Total Obligation Authority	-	1.419	-	-	-	-	-	-	-
Total:	Quantity	-	-	-	-	-	-	-	-	-
Secondary Distribution	Total Obligation Authority	7.232	6.494	7.629	-	7.629	-	-	-	-

UNCLASSIFIED

Exhibit P-40, Budget Line Item Justification: PB 2016 Army **Date:** February 2015

Appropriation / Budget Activity / Budget Sub Activity: 2035A: Other Procurement, Army / BA 02: Communications and Electronics Equipment / BSA 18: Comm - Satellite Communications	P-1 Line Item Number / Title: BA9350 / SHF Term
--	---

ID Code (A=Service Ready, B=Not Service Ready) : A			Program Elements for Code B Items:			Other Related Program Elements:		
Exhibits Schedule			Prior Years	FY 2014	FY 2015	FY 2016 Base	FY 2016 OCO	FY 2016 Total
Title*	Exhibits	ID CD	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)
BA9350 / SHF Term	P-5	A	- / 513.113	- / 7.232	- / 6.494	- / 7.629	- / -	- / 7.629
Total Gross/Weapon System Cost			- / 513.113	- / 7.232	- / 6.494	- / 7.629	- / -	- / 7.629

*Title represents 1) the Number / Title for Items; 2) the Number / Title [DODIC] for Ammunition; and/or 3) the Number / Title (Modification Type) for Modifications.

Note: Totals in this Exhibit P-40 set may not be exact or add due to rounding.

Justification:
 FY 2016 Base procurement dollars in the amount \$7.629 million funds transition planning and implementation efforts to facilitate a successful 1QFY17 transition to Sustainment. This will also include any special training and depot stockage requirements to support the transition.

"In accordance with Section 1815 of the FY 2008 National Defense Authorization Act (P.L. 110-181), this item is necessary for use by the active and reserve components of the Armed Forces for homeland defense missions, domestic emergency responses, and providing military support to civil authorities."

UNCLASSIFIED

Exhibit P-5, Cost Analysis: PB 2016 Army		Date: February 2015
Appropriation / Budget Activity / Budget Sub Activity: 2035A / 02 / 18		P-1 Line Item Number / Title: BA9350 / SHF Term
		Item Number / Title [DODIC]: BA9350 / SHF Term

ID Code (A=Service Ready, B=Not Service Ready) : A	MDAP/MAIS Code:
---	------------------------

Resource Summary	Prior Years	FY 2014	FY 2015	FY 2016 Base	FY 2016 OCO	FY 2016 Total
Procurement Quantity (Units in Each)	-	-	-	-	-	-
Gross/Weapon System Cost (\$ in Millions)	513.113	7.232	6.494	7.629	-	7.629
Less PY Advance Procurement (\$ in Millions)	-	-	-	-	-	-
Net Procurement (P1) (\$ in Millions)	513.113	7.232	6.494	7.629	-	7.629
Plus CY Advance Procurement (\$ in Millions)	-	-	-	-	-	-
Total Obligation Authority (\$ in Millions)	513.113	7.232	6.494	7.629	-	7.629

(The following Resource Summary rows are for informational purposes only. The corresponding budget requests are documented elsewhere.)

Initial Spares (\$ in Millions)	-	-	-	-	-	-
Gross/Weapon System Unit Cost (\$ in Thousands)	-	-	-	-	-	-

Note: Subtotals or Totals in this Exhibit P-5 may not be exact or add, due to rounding.

Cost Elements	Prior Years			FY 2014			FY 2015			FY 2016 Base			FY 2016 OCO			FY 2016 Total		
	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)
Flyaway Cost																		
Recurring Cost																		
SHF Terminals	1,738.750	112	194.740	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
GFE	-	-	2.250	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Data	-	-	0.450	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Contractor Support	-	-	13.739	-	-	1.130	-	-	1.010	-	-	0.930	-	-	-	-	-	0.930
Engineering Support	-	-	216.167	-	-	0.825	-	-	0.805	-	-	1.133	-	-	-	-	-	1.133
Government Program Management	-	-	15.629	-	-	0.875	-	-	0.820	-	-	0.887	-	-	-	-	-	0.887
Logistics / ESB Fielding	-	-	52.344	-	-	4.402	-	-	3.859	-	-	4.679	-	-	-	-	-	4.679
ECP	-	-	17.794	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
<i>Subtotal: Recurring Cost</i>	-	-	513.113	-	-	7.232	-	-	6.494	-	-	7.629	-	-	-	-	-	7.629
<i>Subtotal: Flyaway Cost</i>	-	-	513.113	-	-	7.232	-	-	6.494	-	-	7.629	-	-	-	-	-	7.629
Gross/Weapon System Cost	-	-	513.113	-	-	7.232	-	-	6.494	-	-	7.629	-	-	-	-	-	7.629

Secondary Distribution		FY 2014	FY 2015	FY 2016 Base	FY 2016 OCO	FY 2016 Total
Army	Quantity	-	-	-	-	-
	Total Obligation Authority	7.232	1.208	7.629	-	7.629
ANG	Quantity	-	-	-	-	-
	Total Obligation Authority	-	3.867	-	-	-

UNCLASSIFIED

Exhibit P-5, Cost Analysis: PB 2016 Army **Date:** February 2015

Appropriation / Budget Activity / Budget Sub Activity: 2035A / 02 / 18	P-1 Line Item Number / Title: BA9350 / SHF Term	Item Number / Title [DODIC]: BA9350 / SHF Term
--	---	--

ID Code (A=Service Ready, B=Not Service Ready) : A **MDAP/MAIS Code:**

Secondary Distribution		FY 2014	FY 2015	FY 2016 Base	FY 2016 OCO	FY 2016 Total
AR	Quantity	-	-	-	-	-
	Total Obligation Authority	-	1.419	-	-	-
Total: Secondary Distribution	Quantity	-	-	-	-	-
	Total Obligation Authority	7.232	6.494	7.629	-	7.629

UNCLASSIFIED

Exhibit P-40, Budget Line Item Justification: PB 2016 Army **Date:** February 2015

Appropriation / Budget Activity / Budget Sub Activity: 2035A: Other Procurement, Army / BA 02: Communications and Electronics Equipment / BSA 18: Comm - Satellite Communications	P-1 Line Item Number / Title: K47800 / NAVSTAR Global Positioning System (SPACE)
--	--

Resource Summary	Prior Years	Program Elements for Code B Items:					Other Related Program Elements:					
		FY 2014	FY 2015	FY 2016 Base	FY 2016 OCO	FY 2016 Total	FY 2017	FY 2018	FY 2019	FY 2020	To Complete	Total
Procurement Quantity (Units in Each)	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Cost (\$ in Millions)	1,157.881	2.000	1.635	14.027	-	14.027	-	-	-	-	-	1,175.543
Less PY Advance Procurement (\$ in Millions)	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P1) (\$ in Millions)	1,157.881	2.000	1.635	14.027	-	14.027	-	-	-	-	-	1,175.543
Plus CY Advance Procurement (\$ in Millions)	-	-	-	-	-	-	-	-	-	-	-	-
Total Obligation Authority (\$ in Millions)	1,157.881	2.000	1.635	14.027	-	14.027	-	-	-	-	-	1,175.543

(The following Resource Summary rows are for informational purposes only. The corresponding budget requests are documented elsewhere.)

Initial Spares (\$ in Millions)	-	-	-	-	-	-	-	-	-	-	-	-
Flyaway Unit Cost (\$ in Thousands)	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Unit Cost (\$ in Thousands)	-	-	-	-	-	-	-	-	-	-	-	-

Description:

The NAVSTAR Global Positioning System (GPS) is a passive, space-based, radio positioning, navigation, and timing (PNT) system providing precise time, three dimensional position, navigation and velocity information to Warfighters. Accurate positioning, navigation and timing are critical enablers to all Army Warfighting capabilities. Timing is a key enabler to tactical communications networks. The NAVSTAR GPS program is designated as a DoD Space Program and the United States Air Force (USAF) is the executive service. The USAF GPS Directorate develops enabling technologies and products for GPS User Equipment (PE 35164F), with direct Army management and participation. The Army implements these technologies into Army architectures and user equipment. The Army NAVSTAR GPS program provides for management, procurement, fielding and support of Army GPS User Equipment. GPS User Equipment consists of a family of Selective-Availability Anti-Spoofing Module (SAASM) based PNT Capability solutions which span aviation users, ground users, host vehicles, and sensors. Current GPS User Equipment is comprised of a dual-use dismounted handheld or system-installed Defense Advanced GPS Receiver (DAGR), DAGR Distributed Device (D3) for distributed PNT on platforms, and Ground-Based GPS Receiver Application Module (GB-GRAM) for embedded PNT.

Public Law 111-383 Section 913 (January 2011) Authorizes FY 2017 and beyond appropriations to only procure GPS equipment capable of receiving the military code, commonly known as M code, if M code capable equipment is available.

Current Army Acquisition Objective (AAO) for the DAGR/D3 is 462,288 units.

Secondary Distribution		FY 2014	FY 2015	FY 2016 Base	FY 2016 OCO	FY 2016 Total	FY 2017	FY 2018	FY 2019	FY 2020
Army	Quantity	-	-	-	-	-	-	-	-	-
	Total Obligation Authority	2.000	1.635	14.027	-	14.027	-	-	-	-
Total: Secondary Distribution	Quantity	-	-	-	-	-	-	-	-	-
	Total Obligation Authority	2.000	1.635	14.027	-	14.027	-	-	-	-

UNCLASSIFIED

Exhibit P-40, Budget Line Item Justification: PB 2016 Army **Date:** February 2015

Appropriation / Budget Activity / Budget Sub Activity: 2035A: Other Procurement, Army / BA 02: Communications and Electronics Equipment / BSA 18: Comm - Satellite Communications	P-1 Line Item Number / Title: K47800 / NAVSTAR Global Positioning System (SPACE)
--	--

ID Code (A=Service Ready, B=Not Service Ready) :			Program Elements for Code B Items:			Other Related Program Elements:		
Exhibits Schedule			Prior Years	FY 2014	FY 2015	FY 2016 Base	FY 2016 OCO	FY 2016 Total
Title*	Exhibits	ID CD	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)
K47800 / NAVSTAR Global Positioning System (SPACE)	P-5, P-5a, P-21		- / 1,157.881	- / 2.000	- / 1.635	- / 14.027	- / -	- / 14.027
Total Gross/Weapon System Cost			- / 1,157.881	- / 2.000	- / 1.635	- / 14.027	- / -	- / 14.027

*Title represents 1) the Number / Title for Items; 2) the Number / Title [DODIC] for Ammunition; and/or 3) the Number / Title (Modification Type) for Modifications.

Note: Totals in this Exhibit P-40 set may not be exact or add due to rounding.

Justification:
 FY 2016 Base procurement dollars in the amount of \$14.027 million support D3 integration and fielding. This will include hardware and software modification of the current D3 that will host the M code card. FY 2016 procurement dollars include software support to resolve compatibility issues resulting from upgrading to the M code technology, fielding D3 to Armored Knight, integration of the D3 to client and host systems, test and evaluation to include Bid Sample and First Article Testing, and contractor support.

In accordance with Section 1815 of the FY 2008 National Defense Authorization Act (P.L. 110-181), this item is necessary for use by the active and reserve components of the Armed Forces for homeland defense missions, domestic emergency responses, and providing military support to civil authorities.

UNCLASSIFIED

Exhibit P-5, Cost Analysis: PB 2016 Army		Date: February 2015
Appropriation / Budget Activity / Budget Sub Activity: 2035A / 02 / 18	P-1 Line Item Number / Title: K47800 / NAVSTAR Global Positioning System (SPACE)	Item Number / Title [DODIC]: K47800 / NAVSTAR Global Positioning System (SPACE)

ID Code (A=Service Ready, B=Not Service Ready) :	MDAP/MAIS Code:
---	------------------------

Resource Summary	Prior Years	FY 2014	FY 2015	FY 2016 Base	FY 2016 OCO	FY 2016 Total
Procurement Quantity (Units in Each)	-	-	-	-	-	-
Gross/Weapon System Cost (\$ in Millions)	1,157.881	2.000	1.635	14.027	-	14.027
Less PY Advance Procurement (\$ in Millions)	-	-	-	-	-	-
Net Procurement (P1) (\$ in Millions)	1,157.881	2.000	1.635	14.027	-	14.027
Plus CY Advance Procurement (\$ in Millions)	-	-	-	-	-	-
Total Obligation Authority (\$ in Millions)	1,157.881	2.000	1.635	14.027	-	14.027

(The following Resource Summary rows are for informational purposes only. The corresponding budget requests are documented elsewhere.)

Initial Spares (\$ in Millions)	-	-	-	-	-	-
Gross/Weapon System Unit Cost (\$ in Thousands)	-	-	-	-	-	-

Note: Subtotals or Totals in this Exhibit P-5 may not be exact or add, due to rounding.

Cost Elements	Prior Years			FY 2014			FY 2015			FY 2016 Base			FY 2016 OCO			FY 2016 Total		
	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)
Flyaway Cost																		
Recurring Cost																		
Procurement ^(†)	32.600	2,731	89.030	-	-	-	4.260	258	1.099	5.000	100	0.500	-	-	-	5.000	100	0.500
PNT Capability	1.970	9,839	19.383	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Software Support	-	-	7.631	-	-	-	-	-	-	-	-	0.592	-	-	-	-	-	0.592
Total Package Fielding	-	-	55.558	-	-	-	-	-	-	-	-	1.808	-	-	-	-	-	1.808
Program Management	-	-	31.168	-	-	0.756	-	-	0.536	-	-	1.006	-	-	-	-	-	1.006
Government In-House	-	-	11.604	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Integration Engineering	-	-	5.387	-	-	0.700	-	-	-	-	-	4.620	-	-	-	-	-	4.620
Test and Evaluation	-	-	5.634	-	-	-	-	-	-	-	-	4.239	-	-	-	-	-	4.239
D3 Interim Contractor Support	-	-	-	-	-	0.244	-	-	-	-	-	1.262	-	-	-	-	-	1.262
DAGR Retrofit	-	-	-	-	-	0.300	-	-	-	-	-	-	-	-	-	-	-	-
Other	-	-	932.486	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
<i>Subtotal: Recurring Cost</i>	-	-	<i>1,157.881</i>	-	-	<i>2.000</i>	-	-	<i>1.635</i>	-	-	<i>14.027</i>	-	-	-	-	-	<i>14.027</i>
<i>Subtotal: Flyaway Cost</i>	-	-	<i>1,157.881</i>	-	-	<i>2.000</i>	-	-	<i>1.635</i>	-	-	<i>14.027</i>	-	-	-	-	-	<i>14.027</i>
Gross/Weapon System Cost	-	-	1,157.881	-	-	2.000	-	-	1.635	-	-	14.027	-	-	-	-	-	14.027

UNCLASSIFIED

Exhibit P-5, Cost Analysis: PB 2016 Army		Date: February 2015
Appropriation / Budget Activity / Budget Sub Activity: 2035A / 02 / 18	P-1 Line Item Number / Title: K47800 / NAVSTAR Global Positioning System (SPACE)	Item Number / Title [DODIC]: K47800 / NAVSTAR Global Positioning System (SPACE)

ID Code (A=Service Ready, B=Not Service Ready) :	MDAP/MAIS Code:
---	------------------------

Secondary Distribution		FY 2014	FY 2015	FY 2016 Base	FY 2016 OCO	FY 2016 Total
Army	Quantity	-	-	-	-	-
	Total Obligation Authority	2.000	1.635	14.027	-	14.027
Total:	Quantity	-	-	-	-	-
Secondary Distribution	Total Obligation Authority	2.000	1.635	14.027	-	14.027

(t) indicates the presence of a P-5a

UNCLASSIFIED

Exhibit P-5a, Procurement History and Planning: PB 2016 Army							Date: February 2015					
Appropriation / Budget Activity / Budget Sub Activity: 2035A / 02 / 18			P-1 Line Item Number / Title: K47800 / NAVSTAR Global Positioning System (SPACE)				Item Number / Title [DODIC]: K47800 / NAVSTAR Global Positioning System (SPACE)					
Cost Elements	O C O	FY	Contractor and Location	Method/Type or Funding Vehicle	Location of PCO	Award Date	Date of First Delivery	Qty (Each)	Unit Cost (\$ K)	Specs Avail Now?	Date Revision Available	RFP Issue Date
Procurement ^(†)		2015	GPS Source, Inc / Pueblo	C / IDIQ	ACC, APG	Mar 2015	Jun 2015	258	4.260	N		
Procurement ^(†)		2016	TBD / TBD	C / IDIQ	TBD	Mar 2016	Jun 2016	100	5.000	N		Jul 2015

^(†) indicates the presence of a P-21

UNCLASSIFIED

Exhibit P-21, Production Schedule: PB 2016 Army																							Date: February 2015												
Appropriation / Budget Activity / Budget Sub Activity: 2035A / 02 / 18										P-1 Line Item Number / Title: K47800 / NAVSTAR Global Positioning System (SPACE)										Item Number / Title [DODIC]: K47800 / NAVSTAR Global Positioning System (SPACE)															
<i>Cost Elements (Units in Each)</i>					Fiscal Year 2015														Fiscal Year 2016																
O C C O	M F R #	FY	SERVICE	PROC QTY	ACCEPT PRIOR TO 1 OCT 2014	BAL DUE AS OF 1 OCT	Calendar Year 2015														Calendar Year 2016														B A L
							O C T	N O V	D E C	J A N	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					
Procurement																																			
Prior Years Deliveries: 2731																																			
	1	2015	ARMY	258	-	258										A	-	-	-	258									-						
	2	2016	ARMY	100	-	100																				A	-	-	-	100	-				
							O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	B A L				

UNCLASSIFIED

Exhibit P-21, Production Schedule: PB 2016 Army		Date: February 2015
Appropriation / Budget Activity / Budget Sub Activity: 2035A / 02 / 18		P-1 Line Item Number / Title: K47800 / NAVSTAR Global Positioning System (SPACE)
		Item Number / Title [DODIC]: K47800 / NAVSTAR Global Positioning System (SPACE)

MFR Ref #	MFR Name - Location	Production Rates (Each / Year)			Procurement Leadtime (Months)								
		MSR For 2016	1-8-5 For 2016	MAX For 2016	Initial				Reorder				
					ALT Prior to Oct 1	ALT After Oct 1	Mfg PLT	Total After Oct 1	ALT Prior to Oct 1	ALT After Oct 1	Mfg PLT	Total After Oct 1	
1	GPS Source, Inc - Pueblo	100	150	6,000	-	-	-	-	-	-	2	3	5
2	TBD - TBD	100	150	6,000	-	2	3	5	-	-	-	-	-

"A" in the Delivery Schedule indicates the Contract Award Date.

Note: Due to space limitations, quantities in the Exhibit P-21 delivery calendar are truncated and rounded based on the maximum quantity in the calendar as follows. If the maximum quantity is less than or equal to than 9,999, all quantities are shown as each. If the maximum quantity is between 10,000 and 999,999 all quantities are shown in thousands. If the maximum quantity is between 1,000,000 and 999,999,999 all quantities are shown in millions (rounded to the nearest thousand). If the maximum quantity is equal or greater than 1,000,000,000 all quantities are shown in billions (rounded to the nearest million).

UNCLASSIFIED

Exhibit P-40, Budget Line Item Justification: PB 2016 Army **Date:** February 2015

Appropriation / Budget Activity / Budget Sub Activity: 2035A: Other Procurement, Army / BA 02: Communications and Electronics Equipment / BSA 18: Comm - Satellite Communications	P-1 Line Item Number / Title: BC4002 / SMART-T (SPACE)
--	--

ID Code (A=Service Ready, B=Not Service Ready) : A		Program Elements for Code B Items:					Other Related Program Elements:					
Resource Summary	Prior Years	FY 2014	FY 2015	FY 2016 Base	FY 2016 OCO	FY 2016 Total	FY 2017	FY 2018	FY 2019	FY 2020	To Complete	Total
Procurement Quantity (Units in Each)	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Cost (\$ in Millions)	698.510	13.992	11.454	13.453	-	13.453	13.859	-	-	6.187	-	757.455
Less PY Advance Procurement (\$ in Millions)	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P1) (\$ in Millions)	698.510	13.992	11.454	13.453	-	13.453	13.859	-	-	6.187	-	757.455
Plus CY Advance Procurement (\$ in Millions)	-	-	-	-	-	-	-	-	-	-	-	-
Total Obligation Authority (\$ in Millions)	698.510	13.992	11.454	13.453	-	13.453	13.859	-	-	6.187	-	757.455
<i>(The following Resource Summary rows are for informational purposes only. The corresponding budget requests are documented elsewhere.)</i>												
Initial Spares (\$ in Millions)	-	-	-	-	-	-	-	-	-	-	-	-
Flyaway Unit Cost (\$ in Thousands)	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Unit Cost (\$ in Thousands)	-	-	-	-	-	-	-	-	-	-	-	-

Description:

Secure Mobile Anti-Jam Reliable Tactical Terminal (SMART-T) is a multi-channel satellite terminal that provides beyond line of sight support for the current and future tactical communications network. The SMART-T provides a robust, protected satellite capability to permit uninterrupted communications, as our advancing forces move beyond the line-of-sight of terrestrial systems. The prime mover is a High Mobility Multi-Purpose Wheeled Vehicle (HMMWV) configured with all the electronics and the self-erected antenna. The SMART-T transmits at the Extremely High Frequency (EHF) band and receives in the Super High Frequency (SHF) band. The SMART-T provides the only low probability of interception and low probability of detection (LPI/LPD) capability to avoid being targeted for destruction, jamming or eavesdropping. The SMART-T provides fully interoperable communications with the Milstar terminals of other services (Air Force, Navy, Marine Corps and other DoD agencies and activities). The SMART-Ts are being upgraded to use the Advanced EHF (AEHF) satellite constellation, which provides a four-fold increase in communication capacity over the current Milstar system but retains full backward compatibility with the Milstar satellites. SMART-T is designated as a DoD Space Program.

The Approved Acquisition Objective (AAO) is 324 terminals plus 8 terminals procured for the DoD Special Users.

Secondary Distribution		FY 2014	FY 2015	FY 2016 Base	FY 2016 OCO	FY 2016 Total	FY 2017	FY 2018	FY 2019	FY 2020
Army	Quantity	-	-	-	-	-	-	-	-	-
	Total Obligation Authority	13.992	7.054	9.203	-	9.203	9.859	-	-	6.187
ANG	Quantity	-	-	-	-	-	-	-	-	-
	Total Obligation Authority	-	4.400	2.000	-	2.000	2.000	-	-	-
AR	Quantity	-	-	-	-	-	-	-	-	-
	Total Obligation Authority	-	-	2.250	-	2.250	2.000	-	-	-
Total:	Quantity	-	-	-	-	-	-	-	-	-

UNCLASSIFIED

Exhibit P-40, Budget Line Item Justification: PB 2016 Army **Date:** February 2015

Appropriation / Budget Activity / Budget Sub Activity: 2035A: Other Procurement, Army / BA 02: Communications and Electronics Equipment / BSA 18: Comm - Satellite Communications	P-1 Line Item Number / Title: BC4002 / SMART-T (SPACE)
--	--

ID Code (A=Service Ready, B=Not Service Ready) : A		Program Elements for Code B Items:				Other Related Program Elements:				
Secondary Distribution		FY 2014	FY 2015	FY 2016 Base	FY 2016 OCO	FY 2016 Total	FY 2017	FY 2018	FY 2019	FY 2020
Secondary Distribution	Total Obligation Authority	13.992	11.454	13.453	-	13.453	13.859	-	-	6.187

UNCLASSIFIED

Exhibit P-40, Budget Line Item Justification: PB 2016 Army **Date:** February 2015

Appropriation / Budget Activity / Budget Sub Activity: 2035A: Other Procurement, Army / BA 02: Communications and Electronics Equipment / BSA 18: Comm - Satellite Communications	P-1 Line Item Number / Title: BC4002 / SMART-T (SPACE)
--	--

ID Code (A=Service Ready, B=Not Service Ready) : A			Program Elements for Code B Items:			Other Related Program Elements:		
Exhibits Schedule			Prior Years	FY 2014	FY 2015	FY 2016 Base	FY 2016 OCO	FY 2016 Total
Title*	Exhibits	ID CD	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)
BC4002 / SMART-T (SPACE)	P-5	A	- / 698.510	- / 13.992	- / 11.454	- / 13.453	- / -	- / 13.453
Total Gross/Weapon System Cost			- / 698.510	- / 13.992	- / 11.454	- / 13.453	- / -	- / 13.453

*Title represents 1) the Number / Title for Items; 2) the Number / Title [DODIC] for Ammunition; and/or 3) the Number / Title (Modification Type) for Modifications.

Note: Totals in this Exhibit P-40 set may not be exact or add due to rounding.

Justification:
 FY 2016 Base procurement dollars in the amount of \$13.453 million supports logistics, obsolescence management, training, and fielding support for previously procured SMART-T AEHF upgrade kits and AEHF SMART-T terminals.

"In accordance with Section 1815 of the FY 2008 National Defense Authorization Act (P.L. 110-181), this item is necessary for use by the active and reserve components of the Armed Forces for homeland defense missions, domestic emergency responses, and providing military support to civil authorities.

UNCLASSIFIED

Exhibit P-5, Cost Analysis: PB 2016 Army		Date: February 2015
Appropriation / Budget Activity / Budget Sub Activity: 2035A / 02 / 18	P-1 Line Item Number / Title: BC4002 / SMART-T (SPACE)	Item Number / Title [DODIC]: BC4002 / SMART-T (SPACE)

ID Code (A=Service Ready, B=Not Service Ready) : A	MDAP/MAIS Code:
---	------------------------

Resource Summary	Prior Years	FY 2014	FY 2015	FY 2016 Base	FY 2016 OCO	FY 2016 Total
Procurement Quantity (Units in Each)	-	-	-	-	-	-
Gross/Weapon System Cost (\$ in Millions)	698.510	13.992	11.454	13.453	-	13.453
Less PY Advance Procurement (\$ in Millions)	-	-	-	-	-	-
Net Procurement (P1) (\$ in Millions)	698.510	13.992	11.454	13.453	-	13.453
Plus CY Advance Procurement (\$ in Millions)	-	-	-	-	-	-
Total Obligation Authority (\$ in Millions)	698.510	13.992	11.454	13.453	-	13.453

(The following Resource Summary rows are for informational purposes only. The corresponding budget requests are documented elsewhere.)

Initial Spares (\$ in Millions)	-	-	-	-	-	-
Gross/Weapon System Unit Cost (\$ in Thousands)	-	-	-	-	-	-

Note: Subtotals or Totals in this Exhibit P-5 may not be exact or add, due to rounding.

Cost Elements	Prior Years			FY 2014			FY 2015			FY 2016 Base			FY 2016 OCO			FY 2016 Total		
	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)
Flyaway Cost																		
Recurring Cost																		
EHF SMART-T Terminal Cost	885.769	247	218.785	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
AEHF Upgrade Mod Kits	637.085	247	157.360	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
AEHF SMART-T Terminal Cost	1,733.795	39	67.618	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Engineering Support	-	-	57.477	-	-	4.884	-	-	2.314	-	-	2.111	-	-	-	-	-	2.111
Obsolescence	-	-	-	-	-	0.541	-	-	1.020	-	-	3.316	-	-	-	-	-	3.316
Data	-	-	1.833	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
System Project Mgmt/ Gov't	-	-	72.797	-	-	2.692	-	-	2.395	-	-	2.164	-	-	-	-	-	2.164
System Test & Evaluation	-	-	30.142	-	-	0.255	-	-	0.224	-	-	0.229	-	-	-	-	-	0.229
GFE	-	-	48.536	-	-	0.223	-	-	0.207	-	-	-	-	-	-	-	-	-
Fielding	-	-	39.562	-	-	5.397	-	-	5.294	-	-	5.633	-	-	-	-	-	5.633
Modularity/Army National Guard	-	-	4.400	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
<i>Subtotal: Recurring Cost</i>	-	-	<i>698.510</i>	-	-	<i>13.992</i>	-	-	<i>11.454</i>	-	-	<i>13.453</i>	-	-	-	-	-	<i>13.453</i>
<i>Subtotal: Flyaway Cost</i>	-	-	<i>698.510</i>	-	-	<i>13.992</i>	-	-	<i>11.454</i>	-	-	<i>13.453</i>	-	-	-	-	-	<i>13.453</i>
Gross/Weapon System Cost	-	-	698.510	-	-	13.992	-	-	11.454	-	-	13.453	-	-	-	-	-	13.453

UNCLASSIFIED

Exhibit P-5, Cost Analysis: PB 2016 Army **Date:** February 2015

Appropriation / Budget Activity / Budget Sub Activity: 2035A / 02 / 18	P-1 Line Item Number / Title: BC4002 / SMART-T (SPACE)	Item Number / Title [DODIC]: BC4002 / SMART-T (SPACE)
--	--	---

ID Code (A=Service Ready, B=Not Service Ready) : A **MDAP/MAIS Code:**

Secondary Distribution		FY 2014	FY 2015	FY 2016 Base	FY 2016 OCO	FY 2016 Total
Army	Quantity	-	-	-	-	-
	Total Obligation Authority	13.992	7.054	9.203	-	9.203
ANG	Quantity	-	-	-	-	-
	Total Obligation Authority	-	4.400	2.000	-	2.000
AR	Quantity	-	-	-	-	-
	Total Obligation Authority	-	-	2.250	-	2.250
Total: Secondary Distribution	Quantity	-	-	-	-	-
	Total Obligation Authority	13.992	11.454	13.453	-	13.453

UNCLASSIFIED

Exhibit P-40, Budget Line Item Justification: PB 2016 Army **Date:** February 2015

Appropriation / Budget Activity / Budget Sub Activity: 2035A: Other Procurement, Army / BA 02: Communications and Electronics Equipment / BSA 18: Comm - Satellite Communications	P-1 Line Item Number / Title: BC4120 / Global Brdcst Svc - GBS
--	--

ID Code (A=Service Ready, B=Not Service Ready) :	Program Elements for Code B Items:	Other Related Program Elements:
---	---	--

Resource Summary	Prior Years	FY 2014	FY 2015	FY 2016 Base	FY 2016 OCO	FY 2016 Total	FY 2017	FY 2018	FY 2019	FY 2020	To Complete	Total
Procurement Quantity <i>(Units in Each)</i>	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Cost <i>(\$ in Millions)</i>	271.607	10.206	18.899	6.265	-	6.265	2.379	-	-	-	-	309.356
Less PY Advance Procurement <i>(\$ in Millions)</i>	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P1) <i>(\$ in Millions)</i>	271.607	10.206	18.899	6.265	-	6.265	2.379	-	-	-	-	309.356
Plus CY Advance Procurement <i>(\$ in Millions)</i>	-	-	-	-	-	-	-	-	-	-	-	-
Total Obligation Authority <i>(\$ in Millions)</i>	271.607	10.206	18.899	6.265	-	6.265	2.379	-	-	-	-	309.356

(The following Resource Summary rows are for informational purposes only. The corresponding budget requests are documented elsewhere.)

Initial Spares <i>(\$ in Millions)</i>	-	-	-	-	-	-	-	-	-	-	-	-
Flyaway Unit Cost <i>(\$ in Thousands)</i>	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Unit Cost <i>(\$ in Thousands)</i>	-	-	-	-	-	-	-	-	-	-	-	-

Description:

Global Broadcast Service (GBS) provides high speed broadcast of large volume data and multimedia products. These include Unmanned Aerial Vehicles (UAV) and commercial video and products from imagery, intelligence, weather and biometric data sources. GBS gives deployed forces access to national level repositories of intelligence products and other critical mission planning information. The Air Force (USAF) is designated as the executive service for this Acquisition Category (ACAT) IC program. The Army GBS program is designated ACAT III. The Army supports the Joint Program Office (JPO) for the development and procurement of the Transportable Ground Receive Suites (TGRS) and the Theater Injection Point (TIP). The TGRS consists of a Receive Broadcast Manager (RBM) and a one meter satellite antenna which can receive video, imagery, and large data files at rates up to 29.5 megabits per second (Mbps). The TGRS is fielded to Battalion, Brigade Combat Teams, Division, Corps and Theater level units in active, National Guard, and reserve components. The TIP consists of a Transportable Satellite Broadcast Manager (TSBM) coupled with a Phoenix Super High Frequency (SHF) terminal. The TIP provides an in-theater injection capability for the GBS architecture that permits distribution of vital Joint Task Force Commander in-theater information to the TGRS. The Army TSBMs will be upgrading a down-sized Joint Internet Protocol Modem (JIPM) Network Control Center (Mini Hub) to maintain compatibility with other fixed injection sites, the Broadcast Management functions of the Defense Enterprise Computing Centers (DECC) and the TGRS. This is a Joint Program and is designated as a Department of Defense Space System. The Approved Acquisition Objective (AAO) for GBS TGRS is 2080.

Secondary Distribution	FY 2014	FY 2015	FY 2016 Base	FY 2016 OCO	FY 2016 Total	FY 2017	FY 2018	FY 2019	FY 2020
Army	-	-	-	-	-	-	-	-	-
Quantity	-	-	-	-	-	-	-	-	-
Total Obligation Authority	1.503	14.479	4.265	-	4.265	2.379	-	-	-
ANG	-	-	-	-	-	-	-	-	-
Quantity	-	-	-	-	-	-	-	-	-
Total Obligation Authority	8.203	3.250	1.000	-	1.000	-	-	-	-
AR	-	-	-	-	-	-	-	-	-
Quantity	-	-	-	-	-	-	-	-	-
Total Obligation Authority	0.500	1.170	1.000	-	1.000	-	-	-	-

UNCLASSIFIED

Exhibit P-40, Budget Line Item Justification: PB 2016 Army **Date:** February 2015

Appropriation / Budget Activity / Budget Sub Activity: 2035A: Other Procurement, Army / BA 02: Communications and Electronics Equipment / BSA 18: Comm - Satellite Communications	P-1 Line Item Number / Title: BC4120 / Global Brdcst Svc - GBS
--	--

ID Code (A=Service Ready, B=Not Service Ready) :		Program Elements for Code B Items:				Other Related Program Elements:				
Secondary Distribution		FY 2014	FY 2015	FY 2016 Base	FY 2016 OCO	FY 2016 Total	FY 2017	FY 2018	FY 2019	FY 2020
Total:	Quantity	-	-	-	-	-	-	-	-	-
Secondary Distribution	Total Obligation Authority	10.206	18.899	6.265	-	6.265	2.379	-	-	-

--	--	--	--	--	--	--	--	--	--	--

UNCLASSIFIED

Exhibit P-40, Budget Line Item Justification: PB 2016 Army **Date:** February 2015

Appropriation / Budget Activity / Budget Sub Activity: 2035A: Other Procurement, Army / BA 02: Communications and Electronics Equipment / BSA 18: Comm - Satellite Communications	P-1 Line Item Number / Title: BC4120 / Global Brdcst Svc - GBS
--	--

ID Code (A=Service Ready, B=Not Service Ready) :			Program Elements for Code B Items:			Other Related Program Elements:		
Exhibits Schedule			Prior Years	FY 2014	FY 2015	FY 2016 Base	FY 2016 OCO	FY 2016 Total
Title*	Exhibits	ID CD	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)
BC4120 / Global Brdcst Svc - GBS	P-5, P-5a, P-21		- / 271.607	- / 10.206	- / 18.899	- / 6.265	- / -	- / 6.265
Total Gross/Weapon System Cost			- / 271.607	- / 10.206	- / 18.899	- / 6.265	- / -	- / 6.265

*Title represents 1) the Number / Title for Items; 2) the Number / Title [DODIC] for Ammunition; and/or 3) the Number / Title (Modification Type) for Modifications.

Note: Totals in this Exhibit P-40 set may not be exact or add due to rounding.

Justification:
 FY 2016 Base procurement dollars in the amount of \$6.265 million will support logistics, training, and fielding for previously procured systems to upgrade legacy TGRS to comply with Office of the Secretary of Defense mandated information assurance improvements to the GBS broadcast. GBS will field and train WINDOWS 7 upgrades.

DoD has stopped efforts to provide TRANSEC with the current JIPM solution and is pursuing a commercial modem to support the TRANSEC requirement for GBS in the future. The objective TRANSEC modem solution has not yet been identified. In the interim, the Army will field JIPMs on hand, to be used without TRANSEC, to provide increased capability for previously procured GBS suites and spares until the objective TRANSEC modem has been identified and tested by DISA.

"In accordance with Section 1815 of the FY 2008 National Defense Authorization Act (P.L. 110-181), this item is necessary for use by the active and reserve components of the Armed Forces for homeland defense missions, domestic emergency responses, and providing military support to civil authorities.

UNCLASSIFIED

Exhibit P-5, Cost Analysis: PB 2016 Army		Date: February 2015
Appropriation / Budget Activity / Budget Sub Activity: 2035A / 02 / 18	P-1 Line Item Number / Title: BC4120 / Global Brdcst Svc - GBS	Item Number / Title [DODIC]: BC4120 / Global Brdcst Svc - GBS

ID Code (A=Service Ready, B=Not Service Ready) :	MDAP/MAIS Code:
---	------------------------

Resource Summary	Prior Years	FY 2014	FY 2015	FY 2016 Base	FY 2016 OCO	FY 2016 Total
Procurement Quantity (Units in Each)	-	-	-	-	-	-
Gross/Weapon System Cost (\$ in Millions)	271.607	10.206	18.899	6.265	-	6.265
Less PY Advance Procurement (\$ in Millions)	-	-	-	-	-	-
Net Procurement (P1) (\$ in Millions)	271.607	10.206	18.899	6.265	-	6.265
Plus CY Advance Procurement (\$ in Millions)	-	-	-	-	-	-
Total Obligation Authority (\$ in Millions)	271.607	10.206	18.899	6.265	-	6.265

(The following Resource Summary rows are for informational purposes only. The corresponding budget requests are documented elsewhere.)

Initial Spares (\$ in Millions)	-	-	-	-	-	-
Gross/Weapon System Unit Cost (\$ in Thousands)	-	-	-	-	-	-

Note: Subtotals or Totals in this Exhibit P-5 may not be exact or add, due to rounding.

Cost Elements	Prior Years			FY 2014			FY 2015			FY 2016 Base			FY 2016 OCO			FY 2016 Total		
	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)
Flyaway Cost																		
Recurring Cost																		
Transportable Grnd Rec Suite (AN/TSR-8)	139.508	710	99.051	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Joint IP Modem (JIPM) Upgrd Kit AN/TSR-8 ⁽¹⁾	63.000	360	22.680	63.000	31	1.953	63.000	171	10.773	-	-	-	-	-	-	-	-	-
TSBM JIPM Mini Hub	5,600.000	1	5.600	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Trans Grnd Rec Suite TGRS-11 For Testing	85.000	4	0.340	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Theater Satellite Broadcast Mngr (TSBM)	3,380.000	3	10.140	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Next Generation Receive Terminal (NGRT)	55.216	365	20.154	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
SHF Terminal (replaces TTI RF head)	2,218.000	2	4.436	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
SHF Terminal GFE/Fielding/Training	-	-	1.027	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
GFE	-	-	9.664	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Government Engineering	-	-	18.915	-	-	0.780	-	-	0.788	-	-	0.804	-	-	-	-	-	0.804
Government Program Management	-	-	10.384	-	-	0.821	-	-	0.846	-	-	0.863	-	-	-	-	-	0.863
Test	-	-	5.376	-	-	0.700	-	-	-	-	-	-	-	-	-	-	-	-

UNCLASSIFIED

Exhibit P-5, Cost Analysis: PB 2016 Army												Date: February 2015					
Appropriation / Budget Activity / Budget Sub Activity: 2035A / 02 / 18						P-1 Line Item Number / Title: BC4120 / Global Brdcst Svc - GBS						Item Number / Title [DODIC]: BC4120 / Global Brdcst Svc - GBS					
ID Code (A=Service Ready, B=Not Service Ready) :												MDAP/MAIS Code:					

Note: Subtotals or Totals in this Exhibit P-5 may not be exact or add, due to rounding.

Cost Elements	Prior Years			FY 2014			FY 2015			FY 2016 Base			FY 2016 OCO			FY 2016 Total		
	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)
Contractor Logistics Support	-	-	19.590	-	-	2.585	-	-	2.611	-	-	0.691	-	-	-	-	-	0.691
Fielding	-	-	34.809	-	-	3.367	-	-	3.881	-	-	3.907	-	-	-	-	-	3.907
Other	-	-	9.441	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
<i>Subtotal: Recurring Cost</i>	-	-	271.607	-	-	10.206	-	-	18.899	-	-	6.265	-	-	-	-	-	6.265
<i>Subtotal: Flyaway Cost</i>	-	-	271.607	-	-	10.206	-	-	18.899	-	-	6.265	-	-	-	-	-	6.265
Gross/Weapon System Cost	-	-	271.607	-	-	10.206	-	-	18.899	-	-	6.265	-	-	-	-	-	6.265

Secondary Distribution		FY 2014	FY 2015	FY 2016 Base	FY 2016 OCO	FY 2016 Total
Army	Quantity	-	-	-	-	-
	Total Obligation Authority	1.503	14.479	4.265	-	4.265
ANG	Quantity	-	-	-	-	-
	Total Obligation Authority	8.203	3.250	1.000	-	1.000
AR	Quantity	-	-	-	-	-
	Total Obligation Authority	0.500	1.170	1.000	-	1.000
Total: Secondary Distribution	Quantity	-	-	-	-	-
	Total Obligation Authority	10.206	18.899	6.265	-	6.265

(t) indicates the presence of a P-5a

UNCLASSIFIED

Exhibit P-5a, Procurement History and Planning: PB 2016 Army **Date:** February 2015

Appropriation / Budget Activity / Budget Sub Activity: 2035A / 02 / 18	P-1 Line Item Number / Title: BC4120 / Global Brdcst Svc - GBS	Item Number / Title [DODIC]: BC4120 / Global Brdcst Svc - GBS
--	--	---

Cost Elements	O C O	FY	Contractor and Location	Method/Type or Funding Vehicle	Location of PCO	Award Date	Date of First Delivery	Qty <i>(Each)</i>	Unit Cost <i>(\$ K)</i>	Specs Avail Now?	Date Revision Available	RFP Issue Date
Joint IP Modem (JIPM) Upgrd Kit AN/TSR-8 ^(†)		2014	General Dynamics / C4 Systems / Taunton, MA	C / FFP	ESC/HNSK, Hanscom AFB	Sep 2014	Apr 2015	31	63.000	N		
Joint IP Modem (JIPM) Upgrd Kit AN/TSR-8 ^(†)		2015	General Dynamics / C4 Systems / Taunton, MA	C / FFP	ESC/HNSK, Hanscom AFB	Sep 2015	Apr 2016	171	63.000	N		

^(†) indicates the presence of a P-21

UNCLASSIFIED

Exhibit P-21, Production Schedule: PB 2016 Army **Date:** February 2015

Appropriation / Budget Activity / Budget Sub Activity: 2035A / 02 / 18 **P-1 Line Item Number / Title:** BC4120 / Global Brdcst Svc - GBS **Item Number / Title [DODIC]:** BC4120 / Global Brdcst Svc - GBS

Cost Elements <i>(Units in Each)</i>						Fiscal Year 2014													Fiscal Year 2015															
O C C O	M F R #	FY	SERVICE	PROC QTY	ACCEP T O 1 O C T 2 0 1 3	BAL D U E A S O F 1 O C T	Calendar Year 2014													Calendar Year 2015														
							O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	B A L			
Joint IP Modem (JIPM) Upgrd Kit AN/TSR-8																																		
Prior Years Deliveries: 360																																		
1	2014	ARMY		31	-	31														A	-	-	-	-	-	-	-	30	1			-		
1	2015	ARMY		171	-	171																										A	-	171
							O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	B A L			

UNCLASSIFIED

Exhibit P-21, Production Schedule: PB 2016 Army **Date:** February 2015

Appropriation / Budget Activity / Budget Sub Activity: 2035A / 02 / 18	P-1 Line Item Number / Title: BC4120 / Global Brdcst Svc - GBS	Item Number / Title [DODIC]: BC4120 / Global Brdcst Svc - GBS
--	--	---

Cost Elements <i>(Units in Each)</i>					Fiscal Year 2016												Fiscal Year 2017														
O C C O	M F R #	FY	SERVICE	PROC QTY	ACCEPT PRIOR TO 1 OCT 2015	BAL DUE AS OF 1 OCT	Calendar Year 2016												Calendar Year 2017												
							O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	B A L
Joint IP Modem (JIPM) Upgrd Kit AN/TSR-8																															
Prior Years Deliveries: 360																															
1	2014	ARMY		31	31	-																							-		
1	2015	ARMY		171	-	171	-	-	-	-	-	-	30	30	30	30	30	21											-		
							O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	B A L

UNCLASSIFIED

Exhibit P-21, Production Schedule: PB 2016 Army	Date: February 2015
--	----------------------------

Appropriation / Budget Activity / Budget Sub Activity: 2035A / 02 / 18	P-1 Line Item Number / Title: BC4120 / Global Brdcst Svc - GBS	Item Number / Title [DODIC]: BC4120 / Global Brdcst Svc - GBS
--	--	---

MFR Ref #	MFR Name - Location	Production Rates (Each / Month)			Procurement Leadtime (Months)							
		MSR For 2016	1-8-5 For 2016	MAX For 2016	Initial				Reorder			
					ALT Prior to Oct 1	ALT After Oct 1	Mfg PLT	Total After Oct 1	ALT Prior to Oct 1	ALT After Oct 1	Mfg PLT	Total After Oct 1
1	General Dynamics / C4 Systems - Taunton, MA	8	30	60	6	8	7	15	-	-	-	-

Remarks:

GBS is a Joint Program and all Services share the production line. Production for Joint IP Modem (JIPM)Upgrade Kits(AN/TSR-8)is 30 per month Production for Next Generation Receive Terminal (NGRT) is 25 per month

"A" in the Delivery Schedule indicates the Contract Award Date.

Note: Due to space limitations, quantities in the Exhibit P-21 delivery calendar are truncated and rounded based on the maximum quantity in the calendar as follows. If the maximum quantity is less than or equal to than 9,999, all quantities are shown as each. If the maximum quantity is between 10,000 and 999,999 all quantities are shown in thousands. If the maximum quantity is between 1,000,000 and 999,999,999 all quantities are shown in millions (rounded to the nearest thousand).If the maximum quantity is equal or greater than 1,000,000,000 all quantities are shown in billions (rounded to the nearest million).

UNCLASSIFIED

Exhibit P-40, Budget Line Item Justification: PB 2016 Army **Date:** February 2015

Appropriation / Budget Activity / Budget Sub Activity: 2035A: Other Procurement, Army / BA 02: Communications and Electronics Equipment / BSA 18: Comm - Satellite Communications	P-1 Line Item Number / Title: BB8417 / Mod Of In-Svc Equip (TAC SAT)
--	--

ID Code (A=Service Ready, B=Not Service Ready) :			Program Elements for Code B Items:					Other Related Program Elements:				
Resource Summary	Prior Years	FY 2014	FY 2015	FY 2016 Base	FY 2016 OCO	FY 2016 Total	FY 2017	FY 2018	FY 2019	FY 2020	To Complete	Total
Procurement Quantity (Units in Each)	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Cost (\$ in Millions)	540.709	2.778	2.849	1.042	-	1.042	1.053	-	-	-	-	548.431
Less PY Advance Procurement (\$ in Millions)	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P1) (\$ in Millions)	540.709	2.778	2.849	1.042	-	1.042	1.053	-	-	-	-	548.431
Plus CY Advance Procurement (\$ in Millions)	-	-	-	-	-	-	-	-	-	-	-	-
Total Obligation Authority (\$ in Millions)	540.709	2.778	2.849	1.042	-	1.042	1.053	-	-	-	-	548.431

(The following Resource Summary rows are for informational purposes only. The corresponding budget requests are documented elsewhere.)

Initial Spares (\$ in Millions)	-	-	-	-	-	-	-	-	-	-	-	-
Flyaway Unit Cost (\$ in Thousands)	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Unit Cost (\$ in Thousands)	-	-	-	-	-	-	-	-	-	-	-	-

Description:

Mod of In-Svc Equipment (TACSAT) funds the upgrades to Army tactical satellite communications equipment. This Mod of In-Svc funding procures and fields Tactical Computer Digital Mission Planner (T-CDMP) AN/PYQ-19. T-CDMP replaces the Communications Planning System (CPS)(AN/PSQ-17). The T-CDMP is an integrated tool on which Military Strategic and Tactical Relay (MILSTAR) and Advanced Extremely High Frequency (AEHF) satellite communication network planning will be performed. The T-CDMP supports real-time mission planning and network management to efficiently use limited satellite resources. The T-CDMP generates Terminal Image Data essential for the operation of Secure Mobile Anti-Jam Reliable Tactical Terminal (SMART-T) and Single Channel Anti-Jam Manportable Program (SCAMP) terminals. Mod of In-Svc funds the 20th Support Command - Command, Control, Communications and Computers, Intelligence, Surveillance, and Reconnaissance (C4ISR) requirements; the Unified Command Suite (UCS) to the National Guard; and provides Enroute Mission Command (EMC) capability for the 82nd Airborne Global Response Force (GRF).

The T-CDMP Approved Acquisition Objective is 318.

Secondary Distribution		FY 2014	FY 2015	FY 2016 Base	FY 2016 OCO	FY 2016 Total	FY 2017	FY 2018	FY 2019	FY 2020
Army	Quantity	-	-	-	-	-	-	-	-	-
	Total Obligation Authority	2.778	2.849	1.042	-	1.042	1.053	-	-	-
Total: Secondary Distribution	Quantity	-	-	-	-	-	-	-	-	-
	Total Obligation Authority	2.778	2.849	1.042	-	1.042	1.053	-	-	-

UNCLASSIFIED

Exhibit P-40, Budget Line Item Justification: PB 2016 Army **Date:** February 2015

Appropriation / Budget Activity / Budget Sub Activity: 2035A: Other Procurement, Army / BA 02: Communications and Electronics Equipment / BSA 18: Comm - Satellite Communications	P-1 Line Item Number / Title: BB8417 / Mod Of In-Svc Equip (TAC SAT)
--	--

ID Code (A=Service Ready, B=Not Service Ready) :			Program Elements for Code B Items:			Other Related Program Elements:		
Exhibits Schedule			Prior Years	FY 2014	FY 2015	FY 2016 Base	FY 2016 OCO	FY 2016 Total
Title*	Exhibits	ID CD	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)
BB8417 / MOD OF IN SVC EQUIP (TACSAT) (0)	P-3a		- / 540.709	- / 2.778	- / 2.849	- / 1.042	- / -	- / 1.042
Total Gross/Weapon System Cost			- / 540.709	- / 2.778	- / 2.849	- / 1.042	- / -	- / 1.042

Exhibits Schedule			FY 2017	FY 2018	FY 2019	FY 2020	To Complete	Total
Title*	Exhibits	ID CD	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)
BB8417 / MOD OF IN SVC EQUIP (TACSAT) (0)	P-3a		- / 1.053	- / -	- / -	- / -	- / -	- / 548.431
Total Gross/Weapon System Cost			- / 1.053	- / -	- / -	- / -	- / -	- / 548.431

*Title represents 1) the Number / Title for Items; 2) the Number / Title [DODIC] for Ammunition; and/or 3) the Number / Title (Modification Type) for Modifications.

Note: Totals in this Exhibit P-40 set may not be exact or add due to rounding.

Justification:

FY 2016 Base procurement dollars in the amount of \$1.042 million funds the logistics, training and fielding for previously procured Tactical Computer Digital Mission Planner (T-CDMPs).

"IAW Section 1815 of the FY 2008 NDAA (P.L. 110-181), this item is necessary for use by the active components and reserve components of the Armed Forces for homeland defense missions, domestic emergency responses, and providing the military support to civil authorities."

UNCLASSIFIED

Exhibit P-3a, Individual Modification: PB 2016 Army							Date: February 2015					
Appropriation / Budget Activity / Budget Sub Activity: 2035A / 02 / 18				P-1 Line Item Number / Title: BB8417 / Mod Of In-Svc Equip (TAC SAT)				Modification Number / Title: BB8417 / MOD OF IN SVC EQUIP (TACSAT)				

Resource Summary	Prior Years	FY 2014	FY 2015	FY 2016 Base	FY 2016 OCO	FY 2016 Total	FY 2017	FY 2018	FY 2019	FY 2020	To Complete	Total
Procurement Quantity <i>(Units in Each)</i>	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Cost <i>(\$ in Millions)</i>	540.709	2.778	2.849	1.042	-	1.042	1.053	-	-	-	-	548.431
Less PY Advance Procurement <i>(\$ in Millions)</i>	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P1) <i>(\$ in Millions)</i>	540.709	2.778	2.849	1.042	-	1.042	1.053	-	-	-	-	548.431
Plus CY Advance Procurement <i>(\$ in Millions)</i>	-	-	-	-	-	-	-	-	-	-	-	-
Total Obligation Authority <i>(\$ in Millions)</i>	540.709	2.778	2.849	1.042	-	1.042	1.053	-	-	-	-	548.431

(The following Resource Summary rows are for informational purposes only. The corresponding budget requests are documented elsewhere.)

Initial Spares <i>(\$ in Millions)</i>	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Unit Cost <i>(\$ in Thousands)</i>	-	-	-	-	-	-	-	-	-	-	-	-

Description:

MOD OF IN SVC: This program provides a tactical satellite communications capability to meet critical Ground Mobile Forces (GMF) Command, Control, Communications, Computers and Intelligence(C4I), needs not satisfied by conventional terrestrial communications systems. The GMF are those components of the Army, Navy, Air Force, Marine Corps, Special Operations Forces and Joint Communications Support Elements engaged in land, tactical air combat, and amphibious operations ranging from single-service crisis missions to mutually supportive joint-service combat scenarios. Mod of In Svc Equipment (TACSAT) funds the upgrades to Army Tactical Satellite Communications Equipment. In addition, provides support for the 20th Support Command - Command, Control, Communications and Computers Intelligence Surveillance Reconnaissance (C4ISR) gear; the Unified Command Suite (UCS) to the National Guard; and provides EMC capability for the 82nd airborne Global Response Force (GRF).

T-CDMP: FY 2016 funds training and fielding of the Tactical Computer, Digital, Mission Planner (T-CDMP)/(AN/PYQ-19), to meet modularity requirements for Advanced Extremely High Frequency (AEHF) protected communication mission planning. T-CDMP supports communications mission planning and management of satellite resources on MILSTAR and AEHF for Army Secure Mobile Anti-Jam Reliable Tactical Terminal (SMART-T) and Single Channel Anti-Jam Man-Portable (SCAMP) terminals. These terminals provide world wide anti-jam, low probability of intercept and detection, secure voice and data capability for Brigade, Division, Corps, and special users. The Air Force is the Executive Agent for developing the Tactical Mission Planning Sub-System (T-MPSS)(AN/PYQ-14), the major subassembly of the T-CDMP (AN/PYQ-19). Each service is responsible for procuring the T-CDMP and fielding the system to their communications planners. The T-CDMP is essential to the operation of the SCAMP and SMART-T. This program will procure the designated hardware, field, provide training and technical data for SCAMP and SMART-T communications planners.

Secondary Distribution		FY 2014	FY 2015	FY 2016 Base	FY 2016 OCO	FY 2016 Total	FY 2017	FY 2018	FY 2019	FY 2020
Army	Quantity	-	-	-	-	-	-	-	-	-
	Total Obligation Authority	2.778	2.849	1.042	-	1.042	1.053	-	-	-
Total: Secondary Distribution	Quantity	-	-	-	-	-	-	-	-	-
	Total Obligation Authority	2.778	2.849	1.042	-	1.042	1.053	-	-	-

UNCLASSIFIED

Exhibit P-3a, Individual Modification: PB 2016 Army		Date: February 2015
Appropriation / Budget Activity / Budget Sub Activity: 2035A / 02 / 18	P-1 Line Item Number / Title: BB8417 / Mod Of In-Svc Equip (TAC SAT)	Modification Number / Title: BB8417 / MOD OF IN SVC EQUIP (TACSAT)

Models of Systems Affected: None	Modification Type: 0	Related RDT&E PEs:
---	-----------------------------	-------------------------------

Financial Plan	Prior Years	FY 2014	FY 2015	FY 2016 Base	FY 2016 OCO	FY 2016 Total	FY 2017	FY 2018	FY 2019	FY 2020	To Complete	Total
	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)
Procurement												
<i>Modification Item 1 of 1:</i> T-CDMP												
A Kits												
Recurring												
Kit Quantity	264 / 38.003	15 / 2.778	- / 2.849	- / 1.042	- / -	- / 1.042	- / 1.053	- / -	- / -	- / -	- / -	279 / 45.725
Subtotal: Recurring	- / 38.003	- / 2.778	- / 2.849	- / 1.042	- / -	- / 1.042	- / 1.053	- / -	- / -	- / -	- / -	- / 45.725
Subtotal: T-CDMP	264 / 38.003	15 / 2.778	- / 2.849	- / 1.042	- / -	- / 1.042	- / 1.053	- / -	- / -	- / -	- / -	279 / 45.725
Subtotal: Procurement, All Modification Items	264 / 38.003	15 / 2.778	- / 2.849	- / 1.042	- / -	- / 1.042	- / 1.053	- / -	- / -	- / -	- / -	279 / 45.725
Installation												
<i>Modification Item 1 of 1:</i> T-CDMP	0 / 0.000	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
Subtotal: Installation	0 / 0.000	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
Total												
Total Cost (Procurement + Support + Installation)	540.709	2.778	2.849	1.042	-	1.042	1.053	-	-	-	-	548.431

UNCLASSIFIED

Exhibit P-3a, Individual Modification: PB 2016 Army		Date: February 2015
Appropriation / Budget Activity / Budget Sub Activity: 2035A / 02 / 18	P-1 Line Item Number / Title: BB8417 / Mod Of In-Svc Equip (TAC SAT)	Modification Number / Title: BB8417 / MOD OF IN SVC EQUIP (TACSAT)

Modification Item 1 of 1: T-CDMP

Manufacturer Information

Manufacturer Name: RAYTHEON	Manufacturer Location: MARLBOROUGH, MA
Administrative Leadtime (in Months): 2	Production Leadtime (in Months): 12

Dates	FY 2014	FY 2015	FY 2016	FY 2017	FY 2018	FY 2019	FY 2020
Contract Dates							
Delivery Dates							

Installation Information

Method of Implementation: N/A

Installation Cost	Prior Years	FY 2014	FY 2015	FY 2016 Base	FY 2016 OCO	FY 2016 Total	FY 2017	FY 2018	FY 2019	FY 2020	To Complete	Total
	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)
Prior Years	0 / 0.000	- / 0.000	- / 0.000	- / 0.000	- / -	- / 0.000	- / 0.000	- / -	- / -	- / -	- / 0.000	- / 0.000
FY 2014	0 / 0.000	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2015	0 / 0.000	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2016	0 / 0.000	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2017	0 / 0.000	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2018	0 / 0.000	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2019	0 / 0.000	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2020	0 / 0.000	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
To Complete	0 / 0.000	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
Total	0 / 0.000	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -

Installation Schedule

	PYS	FY 2014				FY 2015				FY 2016				FY 2017				FY 2018				FY 2019				FY 2020				TC	Tot		
		Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4				
In	264	-	15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	279
Out	147	17	18	16	18	8	20	7	7	11	10	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	279	

UNCLASSIFIED

Exhibit P-40, Budget Line Item Justification: PB 2016 Army **Date:** February 2015

Appropriation / Budget Activity / Budget Sub Activity: 2035A: Other Procurement, Army / BA 02: Communications and Electronics Equipment / BSA 18: Comm - Satellite Communications	P-1 Line Item Number / Title: B08400 / ENROUTE MISSION COMMAND (EMC)
--	--

ID Code (A=Service Ready, B=Not Service Ready) :	Program Elements for Code B Items:						Other Related Program Elements:					
Resource Summary	Prior Years	FY 2014	FY 2015	FY 2016 Base	FY 2016 OCO	FY 2016 Total	FY 2017	FY 2018	FY 2019	FY 2020	To Complete	Total
Procurement Quantity (Units in Each)	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Cost (\$ in Millions)	-	-	100.000	7.116	-	7.116	9.547	-	-	-	-	116.663
Less PY Advance Procurement (\$ in Millions)	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P1) (\$ in Millions)	-	-	100.000	7.116	-	7.116	9.547	-	-	-	-	116.663
Plus CY Advance Procurement (\$ in Millions)	-	-	-	-	-	-	-	-	-	-	-	-
Total Obligation Authority (\$ in Millions)	-	-	100.000	7.116	-	7.116	9.547	-	-	-	-	116.663

(The following Resource Summary rows are for informational purposes only. The corresponding budget requests are documented elsewhere.)

Initial Spares (\$ in Millions)	-	-	-	-	-	-	-	-	-	-	-	-
Flyaway Unit Cost (\$ in Thousands)	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Unit Cost (\$ in Thousands)	-	-	-	-	-	-	-	-	-	-	-	-

Description:

Enroute Mission Command Capability (EMC) supports the Global Response Force (GRF) requirement to conduct Airborne forcible entry operations with the ability to conduct mission command, to include mission planning and rehearsal, while enroute on board US Air Force Air Mobility Command (AMC) aircraft. EMC modernizes enroute communications to enable broadband reach-back data capability utilizing military or commercial networks with adequate bandwidth support required by Mission Command and Intelligence applications.

The enduring requirement for EMC is documented in the Transmission Systems Capabilities Production Document (CPD), which was Joint Requirements Oversight Council (JROC) approved 18 Dec 2014. The Army Procurement Objective (APO) for the EMC is 8 nodes.

Secondary Distribution		FY 2014	FY 2015	FY 2016 Base	FY 2016 OCO	FY 2016 Total	FY 2017	FY 2018	FY 2019	FY 2020
Army	Quantity	-	-	-	-	-	-	-	-	-
	Total Obligation Authority	-	100.000	7.116	-	7.116	9.547	-	-	-
Total: Secondary Distribution	Quantity	-	-	-	-	-	-	-	-	-
	Total Obligation Authority	-	100.000	7.116	-	7.116	9.547	-	-	-

UNCLASSIFIED

Exhibit P-40, Budget Line Item Justification: PB 2016 Army **Date:** February 2015

Appropriation / Budget Activity / Budget Sub Activity: 2035A: Other Procurement, Army / BA 02: Communications and Electronics Equipment / BSA 18: Comm - Satellite Communications	P-1 Line Item Number / Title: B08400 / ENROUTE MISSION COMMAND (EMC)
--	--

ID Code (A=Service Ready, B=Not Service Ready) :			Program Elements for Code B Items:			Other Related Program Elements:		
Exhibits Schedule			Prior Years	FY 2014	FY 2015	FY 2016 Base	FY 2016 OCO	FY 2016 Total
Title*	Exhibits	ID CD	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)
B00015 / Enroute Mission Command (EMC)	P-5, P-5a, P-21		- / -	- / -	- / 100.000	- / 7.116	- / -	- / 7.116
Total Gross/Weapon System Cost			- / -	- / -	- / 100.000	- / 7.116	- / -	- / 7.116

*Title represents 1) the Number / Title for Items; 2) the Number / Title [DODIC] for Ammunition; and/or 3) the Number / Title (Modification Type) for Modifications.

Note: Totals in this Exhibit P-40 set may not be exact or add due to rounding.

Justification:
 FY 2016 Base procurement dollars in the amount of \$7.116 million will support fielding and training of Fixed Installed Satellite Antennas (FISA), Command and Staff Palletized Airborne Nodes (CASPER), Key-leader Enroute Nodes (KEN) and Dependent Airborne Nodes (DAN) procured in FY15. It will also support Environmental testing; Army Interoperability Certification (AIC) and Joint Integration Test Command (JITC) certification.

Operational Needs Statement (ONS) 09-9319 was revalidated by the HQDA G-3 on 5 Nov 2014 to support fielding of the objective capability, which will support a full brigade lift of the Alpha echelon for a forced entry operation. (ONS) 09-9319 was oally validated by HQDA G3 in 5 Mar 2013. \$21.275 million was provided in September 2013 via an Above Threshold Reprogramming (ATR) on SSN BB8417 Modification of In-Service Equipment (TACSAT) in support of that ONS to provide an initial capability.

UNCLASSIFIED

Exhibit P-5, Cost Analysis: PB 2016 Army		Date: February 2015
Appropriation / Budget Activity / Budget Sub Activity: 2035A / 02 / 18	P-1 Line Item Number / Title: B08400 / ENROUTE MISSION COMMAND (EMC)	Item Number / Title [DODIC]: B00015 / Enroute Mission Command (EMC)

ID Code (A=Service Ready, B=Not Service Ready) :	MDAP/MAIS Code:
---	------------------------

Resource Summary	Prior Years	FY 2014	FY 2015	FY 2016 Base	FY 2016 OCO	FY 2016 Total
Procurement Quantity (Units in Each)	-	-	-	-	-	-
Gross/Weapon System Cost (\$ in Millions)	-	-	100.000	7.116	-	7.116
Less PY Advance Procurement (\$ in Millions)	-	-	-	-	-	-
Net Procurement (P1) (\$ in Millions)	-	-	100.000	7.116	-	7.116
Plus CY Advance Procurement (\$ in Millions)	-	-	-	-	-	-
Total Obligation Authority (\$ in Millions)	-	-	100.000	7.116	-	7.116

(The following Resource Summary rows are for informational purposes only. The corresponding budget requests are documented elsewhere.)

Initial Spares (\$ in Millions)	-	-	-	-	-	-
Gross/Weapon System Unit Cost (\$ in Thousands)	-	-	-	-	-	-

Note: Subtotals or Totals in this Exhibit P-5 may not be exact or add, due to rounding.

Cost Elements	Prior Years			FY 2014			FY 2015			FY 2016 Base			FY 2016 OCO			FY 2016 Total		
	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)
Flyaway Cost																		
Recurring Cost																		
NRE	-	-	-	-	-	-	-	-	6.107	-	-	-	-	-	-	-	-	-
FISA ^(†)	-	-	-	-	-	-	1,766.000	30	52.980	-	-	-	-	-	-	-	-	-
CASPAN ^(†)	-	-	-	-	-	-	1,596.000	1	1.596	-	-	-	-	-	-	-	-	-
KEN ^(†)	-	-	-	-	-	-	871.000	7	6.097	-	-	-	-	-	-	-	-	-
DAN ^(†)	-	-	-	-	-	-	294.000	24	7.056	-	-	-	-	-	-	-	-	-
Fielding	-	-	-	-	-	-	-	-	10.932	-	-	1.956	-	-	-	-	-	1.956
PMO	-	-	-	-	-	-	-	-	1.563	-	-	0.711	-	-	-	-	-	0.711
Initial Spares	-	-	-	-	-	-	-	-	7.303	-	-	-	-	-	-	-	-	-
Training	-	-	-	-	-	-	-	-	1.625	-	-	0.215	-	-	-	-	-	0.215
Integration	-	-	-	-	-	-	-	-	2.709	-	-	2.476	-	-	-	-	-	2.476
PDSS	-	-	-	-	-	-	-	-	2.032	-	-	1.076	-	-	-	-	-	1.076
Testing	-	-	-	-	-	-	-	-	-	-	-	0.682	-	-	-	-	-	0.682
<i>Subtotal: Recurring Cost</i>	-	-	-	-	-	-	-	-	100.000	-	-	7.116	-	-	-	-	-	7.116
<i>Subtotal: Flyaway Cost</i>	-	-	-	-	-	-	-	-	100.000	-	-	7.116	-	-	-	-	-	7.116
Gross/Weapon System Cost	-	-	-	-	-	-	-	-	100.000	-	-	7.116	-	-	-	-	-	7.116

UNCLASSIFIED

Exhibit P-5, Cost Analysis: PB 2016 Army		Date: February 2015
Appropriation / Budget Activity / Budget Sub Activity: 2035A / 02 / 18	P-1 Line Item Number / Title: B08400 / ENROUTE MISSION COMMAND (EMC)	Item Number / Title [DODIC]: B00015 / Enroute Mission Command (EMC)

ID Code (A=Service Ready, B=Not Service Ready) :	MDAP/MAIS Code:
---	------------------------

Secondary Distribution		FY 2014	FY 2015	FY 2016 Base	FY 2016 OCO	FY 2016 Total
Army	Quantity	-	-	-	-	-
	Total Obligation Authority	-	100.000	7.116	-	7.116
Total:	Quantity	-	-	-	-	-
Secondary Distribution	Total Obligation Authority	-	100.000	7.116	-	7.116

(t) indicates the presence of a P-5a

UNCLASSIFIED

Exhibit P-5a, Procurement History and Planning: PB 2016 Army							Date: February 2015					
Appropriation / Budget Activity / Budget Sub Activity: 2035A / 02 / 18			P-1 Line Item Number / Title: B08400 / ENROUTE MISSION COMMAND (EMC)				Item Number / Title [DODIC]: B00015 / Enroute Mission Command (EMC)					

Cost Elements	O C O	FY	Contractor and Location	Method/Type or Funding Vehicle	Location of PCO	Award Date	Date of First Delivery	Qty <i>(Each)</i>	Unit Cost <i>(\$ K)</i>	Specs Avail Now?	Date Revision Available	RFP Issue Date
FISA ^(†)		2015	TBD / TBD	C / FFP	Aberdeen Proving Ground, MD	Aug 2015	Feb 2016	30	1,766.000			
CASPAN ^(†)		2015	GDC4S / Taunton, MA	C / FFP	Aberdeen Proving Ground, MD	Jun 2015	Oct 2015	1	1,596.000			
KEN ^(†)		2015	GDC4S / Taunton, MA	C / FFP	Aberdeen Proving Ground, MD	Jun 2015	Oct 2015	7	871.000			
DAN ^(†)		2015	GDC4S / Taunton, MA	C / FFP	Aberdeen Proving Ground, MD	Jun 2015	Oct 2015	24	294.000			

^(†) indicates the presence of a P-21

UNCLASSIFIED

Exhibit P-21, Production Schedule: PB 2016 Army																				Date: February 2015									
Appropriation / Budget Activity / Budget Sub Activity: 2035A / 02 / 18										P-1 Line Item Number / Title: B08400 / ENROUTE MISSION COMMAND (EMC)										Item Number / Title [DODIC]: B00015 / Enroute Mission Command (EMC)									

Cost Elements <i>(Units in Each)</i>					Fiscal Year 2015													Fiscal Year 2016																								
O C C O	M F R #	FY	SERVICE	PROC QTY	ACCEPT PRIOR TO 1 OCT 2014	BAL DUE AS OF 1 OCT	Calendar Year 2015													Calendar Year 2016												B A L										
							O C T	N O V	D E C	J A N	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												
FISA																																										
	1	2015	ARMY	30	-	30												A	-	-	-	-	-	-			2	2	3	3	3	3	3	3	-	11						
CASPAN																																										
	2	2015	ARMY	1	-	1												A	-	-	-	-	1														-					
KEN																																										
	3	2015	ARMY	7	-	7												A	-	-	-	-	1	3	3												-					
DAN																																										
	4	2015	ARMY	24	-	24												A	-	-	-	-	3	3	3	3	3	3	3	3	3	3	3	3			-					
							O	N	D	J	F	M	A	M	J	J	A	S	O	N	D	J	F	M	A	M	J	J	A	S	O	N	D	J	J	A	S	B	A	L		
							C	O	E	A	E	A	A	A	U	U	A	E	C	O	V	E	A	E	A	A	U	U	A	E	C	O	V	E	A	E	A	S	P	A	L	
							T	V	C	N	B	R	R	Y	N	L	G	P	T																							

UNCLASSIFIED

Exhibit P-21, Production Schedule: PB 2016 Army			Date: February 2015				
Appropriation / Budget Activity / Budget Sub Activity: 2035A / 02 / 18		P-1 Line Item Number / Title: B08400 / ENROUTE MISSION COMMAND (EMC)			Item Number / Title [DODIC]: B00015 / Enroute Mission Command (EMC)		

Cost Elements <i>(Units in Each)</i>					Fiscal Year 2017												Fiscal Year 2018																																																													
O C C #	M F R #	FY	SERVICE	PROC QTY	ACCEPT PRIOR TO 1 OCT 2016	BAL DUE AS OF 1 OCT	Calendar Year 2017												Calendar Year 2018																																																											
							O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	B A L																																															
FISA																																																																														
1		2015	ARMY	30	19	11	3	3	3	2																			-																																																	
CASPAN																																																																														
2		2015	ARMY	1	1	-																								-																																																
KEN																																																																														
3		2015	ARMY	7	7	-																								-																																																
DAN																																																																														
4		2015	ARMY	24	24	-																								-																																																
<table border="1" style="width:100%; border-collapse: collapse; text-align: center;"> <thead> <tr> <th>O C T</th> <th>N O V</th> <th>D E C</th> <th>J A N</th> <th>F E B</th> <th>M A R</th> <th>A P R</th> <th>M A Y</th> <th>J U N</th> <th>J U L</th> <th>A U G</th> <th>S E P</th> <th>O C T</th> <th>N O V</th> <th>D E C</th> <th>J A N</th> <th>F E B</th> <th>M A R</th> <th>A P R</th> <th>M A Y</th> <th>J U N</th> <th>J U L</th> <th>A U G</th> <th>S E P</th> <th>B A L</th> </tr> </thead> <tbody> <tr> <td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td> </tr> </tbody> </table>																												O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	B A L																										
O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	B A L																																																						

UNCLASSIFIED

Exhibit P-21, Production Schedule: PB 2016 Army		Date: February 2015
Appropriation / Budget Activity / Budget Sub Activity: 2035A / 02 / 18		P-1 Line Item Number / Title: B08400 / ENROUTE MISSION COMMAND (EMC)
		Item Number / Title [DODIC]: B00015 / Enroute Mission Command (EMC)

MFR Ref #	MFR Name - Location	Production Rates (Each / Month)			Procurement Leadtime (Months)							
		MSR For 2016	1-8-5 For 2016	MAX For 2016	Initial				Reorder			
					ALT Prior to Oct 1	ALT After Oct 1	Mfg PLT	Total After Oct 1	ALT Prior to Oct 1	ALT After Oct 1	Mfg PLT	Total After Oct 1
1	TBD - TBD	1	3	5	-	-	6	6	-	-	-	-
2	GDC4S - Taunton, MA	1	3	5	-	3	-	3	-	-	-	-
3	GDC4S - Taunton, MA	1	3	5	-	3	-	3	-	-	-	-
4	GDC4S - Taunton, MA	1	3	5	-	3	-	3	-	-	-	-

"A" in the Delivery Schedule indicates the Contract Award Date.

Note: Due to space limitations, quantities in the Exhibit P-21 delivery calendar are truncated and rounded based on the maximum quantity in the calendar as follows. If the maximum quantity is less than or equal to than 9,999, all quantities are shown as each. If the maximum quantity is between 10,000 and 999,999 all quantities are shown in thousands. If the maximum quantity is between 1,000,000 and 999,999,999 all quantities are shown in millions (rounded to the nearest thousand). If the maximum quantity is equal or greater than 1,000,000,000 all quantities are shown in billions (rounded to the nearest million).

UNCLASSIFIED

Exhibit P-40, Budget Line Item Justification: PB 2016 Army **Date:** February 2015

Appropriation / Budget Activity / Budget Sub Activity: 2035A: Other Procurement, Army / BA 02: Communications and Electronics Equipment / BSA 24: Comm - C3 System	P-1 Line Item Number / Title: BA8250 / Army Global Cmd & Control Sys (AGCCS)
---	--

ID Code (A=Service Ready, B=Not Service Ready) :	Program Elements for Code B Items:	Other Related Program Elements: 0303150A
---	---	---

Resource Summary	Prior Years	FY 2014	FY 2015	FY 2016 Base	FY 2016 OCO	FY 2016 Total	FY 2017	FY 2018	FY 2019	FY 2020	To Complete	Total
Procurement Quantity <i>(Units in Each)</i>	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Cost <i>(\$ in Millions)</i>	397.726	2.590	-	10.137	-	10.137	2.529	2.643	2.619	4.648	-	422.892
Less PY Advance Procurement <i>(\$ in Millions)</i>	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P1) <i>(\$ in Millions)</i>	397.726	2.590	-	10.137	-	10.137	2.529	2.643	2.619	4.648	-	422.892
Plus CY Advance Procurement <i>(\$ in Millions)</i>	-	-	-	-	-	-	-	-	-	-	-	-
Total Obligation Authority <i>(\$ in Millions)</i>	397.726	2.590	-	10.137	-	10.137	2.529	2.643	2.619	4.648	-	422.892

(The following Resource Summary rows are for informational purposes only. The corresponding budget requests are documented elsewhere.)

Initial Spares <i>(\$ in Millions)</i>	-	-	-	-	-	-	-	-	-	-	-	-
Flyaway Unit Cost <i>(\$ in Thousands)</i>	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Unit Cost <i>(\$ in Thousands)</i>	-	-	-	-	-	-	-	-	-	-	-	-

Description:

Global Command and Control System-Army (GCCS-A): This project is the Army component of the Global Command and Control System (GCCS) Family of Systems (FoS). GCCS-A provides automated command and control tools, including Force readiness, planning and movement, and situational awareness, for Army Strategic and Operational Theater commanders to enhance warfighter capabilities throughout the spectrum of conflict during Joint and combined operations in support of National Security. GCCS-A dramatically improves the Army's ability to analyze courses of action, develop and manage Army forces and execute war plans. GCCS-A links the GCCS-Joint Common Operating Picture with the Army Mission Command systems. In accordance with Army Command Post Computing Environment and Joint Command and Control objectives, GCCS-A will be re-architected away from a scalable process architecture based server - thick client architecture to a virtualized server - web client architecture hosted on Battle Command Common Services. In addition, Product Manager, GCCS-A is the Executive Agent with responsibility to procure and field GCCS-J hardware and Commercial-Off-The-Shelf (COTS) software to selected GCCS-J sites.

Secondary Distribution	FY 2014	FY 2015	FY 2016 Base	FY 2016 OCO	FY 2016 Total	FY 2017	FY 2018	FY 2019	FY 2020
Army									
Quantity	-	-	-	-	-	-	-	-	-
Total Obligation Authority	2.590	-	10.137	-	10.137	2.529	2.643	2.619	4.648
Total:									
Quantity	-	-	-	-	-	-	-	-	-
Total Obligation Authority	2.590	-	10.137	-	10.137	2.529	2.643	2.619	4.648

UNCLASSIFIED

Exhibit P-40, Budget Line Item Justification: PB 2016 Army **Date:** February 2015

Appropriation / Budget Activity / Budget Sub Activity: 2035A: Other Procurement, Army / BA 02: Communications and Electronics Equipment / BSA 24: Comm - C3 System	P-1 Line Item Number / Title: BA8250 / Army Global Cmd & Control Sys (AGCCS)
---	--

ID Code (A=Service Ready, B=Not Service Ready) :			Program Elements for Code B Items:			Other Related Program Elements: 0303150A		
Exhibits Schedule			Prior Years	FY 2014	FY 2015	FY 2016 Base	FY 2016 OCO	FY 2016 Total
Title*	Exhibits	ID CD	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)
BA8250 / Army Global Cmd & Control Sys (AGCCS)	P-5, P-5a, P-21		- / 397.726	- / 2.590	- / -	- / 10.137	- / -	- / 10.137
Total Gross/Weapon System Cost			- / 397.726	- / 2.590	- / -	- / 10.137	- / -	- / 10.137

*Title represents 1) the Number / Title for Items; 2) the Number / Title [DODIC] for Ammunition; and/or 3) the Number / Title (Modification Type) for Modifications.

Note: Totals in this Exhibit P-40 set may not be exact or add due to rounding.

Justification:
 GCCS-A FY 2016 Base funding will support fielding of GCCS-A 4.3 and procurement of GCCS-J refresh hardware in the amount of \$10.137 million.

In accordance with Section 1815 of the FY 2008 National Defense Authorization Act (P.L. 110-181), this item is necessary for use by the active and reserve components of the Armed Forces for homeland defense missions, domestic emergency responses, and providing military support to civil authorities.

UNCLASSIFIED

Exhibit P-5, Cost Analysis: PB 2016 Army		Date: February 2015
Appropriation / Budget Activity / Budget Sub Activity: 2035A / 02 / 24		P-1 Line Item Number / Title: BA8250 / Army Global Cmd & Control Sys (AGCCS)
		Item Number / Title [DODIC]: BA8250 / Army Global Cmd & Control Sys (AGCCS)

ID Code (A=Service Ready, B=Not Service Ready) :	MDAP/MAIS Code:
---	------------------------

Resource Summary	Prior Years	FY 2014	FY 2015	FY 2016 Base	FY 2016 OCO	FY 2016 Total
Procurement Quantity (Units in Each)	-	-	-	-	-	-
Gross/Weapon System Cost (\$ in Millions)	397.726	2.590	-	10.137	-	10.137
Less PY Advance Procurement (\$ in Millions)	-	-	-	-	-	-
Net Procurement (P1) (\$ in Millions)	397.726	2.590	-	10.137	-	10.137
Plus CY Advance Procurement (\$ in Millions)	-	-	-	-	-	-
Total Obligation Authority (\$ in Millions)	397.726	2.590	-	10.137	-	10.137

(The following Resource Summary rows are for informational purposes only. The corresponding budget requests are documented elsewhere.)

Initial Spares (\$ in Millions)	-	-	-	-	-	-
Gross/Weapon System Unit Cost (\$ in Thousands)	-	-	-	-	-	-

Note: Subtotals or Totals in this Exhibit P-5 may not be exact or add, due to rounding.

Cost Elements	Prior Years			FY 2014			FY 2015			FY 2016 Base			FY 2016 OCO			FY 2016 Total		
	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)
Flyaway Cost																		
Recurring Cost																		
GCCS-A H/W	-	-	99.263	-	-	0.338	-	-	-	-	-	-	-	-	-	-	-	-
GCCS-J Hardware Refresh ^(†)	-	-	-	-	-	-	-	-	-	241.000	34	8.194	-	-	-	241.000	34	8.194
Software Licenses	-	-	38.529	-	-	0.983	-	-	-	-	-	-	-	-	-	-	-	-
Software Support	-	-	127.269	-	-	0.750	-	-	-	-	-	-	-	-	-	-	-	-
Fielding Support	-	-	65.358	-	-	0.219	-	-	-	-	-	0.904	-	-	-	-	-	0.904
Training Support	-	-	37.897	-	-	-	-	-	-	-	-	0.724	-	-	-	-	-	0.724
PMO Support	-	-	29.410	-	-	0.300	-	-	-	-	-	0.315	-	-	-	-	-	0.315
<i>Subtotal: Recurring Cost</i>	-	-	397.726	-	-	2.590	-	-	-	-	-	10.137	-	-	-	-	-	10.137
<i>Subtotal: Flyaway Cost</i>	-	-	397.726	-	-	2.590	-	-	-	-	-	10.137	-	-	-	-	-	10.137
Gross/Weapon System Cost	-	-	397.726	-	-	2.590	-	-	-	-	-	10.137	-	-	-	-	-	10.137

Secondary Distribution		FY 2014	FY 2015	FY 2016 Base	FY 2016 OCO	FY 2016 Total
Army	Quantity	-	-	-	-	-
	Total Obligation Authority	2.590	-	10.137	-	10.137
Total:	Quantity	-	-	-	-	-

UNCLASSIFIED

Exhibit P-5, Cost Analysis: PB 2016 Army			Date: February 2015			
Appropriation / Budget Activity / Budget Sub Activity: 2035A / 02 / 24		P-1 Line Item Number / Title: BA8250 / Army Global Cmd & Control Sys (AGCCS)		Item Number / Title [DODIC]: BA8250 / Army Global Cmd & Control Sys (AGCCS)		
ID Code (A=Service Ready, B=Not Service Ready) :			MDAP/MAIS Code:			
Secondary Distribution		FY 2014	FY 2015	FY 2016 Base	FY 2016 OCO	FY 2016 Total
Secondary Distribution	Total Obligation Authority	2.590	-	10.137	-	10.137

(t) indicates the presence of a P-5a

UNCLASSIFIED

Exhibit P-5a, Procurement History and Planning: PB 2016 Army							Date: February 2015					
Appropriation / Budget Activity / Budget Sub Activity: 2035A / 02 / 24			P-1 Line Item Number / Title: BA8250 / Army Global Cmd & Control Sys (AGCCS)				Item Number / Title [DODIC]: BA8250 / Army Global Cmd & Control Sys (AGCCS)					
Cost Elements	O C O	FY	Contractor and Location	Method/Type or Funding Vehicle	Location of PCO	Award Date	Date of First Delivery	Qty <i>(Each)</i>	Unit Cost <i>(\$ K)</i>	Specs Avail Now?	Date Revision Available	RFP Issue Date
GCCS-J Hardware Refresh ^(†)		2016	General Dynamics / Tauton	C / FFP	Aberdeen Proving Ground	Jan 2016	Apr 2016	34	241.000			

^(†) indicates the presence of a P-21

Remarks:
Refresh hardware required for 17 GCCS-J sites and COOP. 34 total sets of hardware.

UNCLASSIFIED

Exhibit P-21, Production Schedule: PB 2016 Army															Date: February 2015														
Appropriation / Budget Activity / Budget Sub Activity: 2035A / 02 / 24										P-1 Line Item Number / Title: BA8250 / Army Global Cmd & Control Sys (AGCCS)										Item Number / Title [DODIC]: BA8250 / Army Global Cmd & Control Sys (AGCCS)									

Cost Elements <i>(Units in Each)</i>						Fiscal Year 2016												Fiscal Year 2017													
O C C O	M F R #	FY	SERVICE	PROC QTY	ACCEPT PRIOR TO 1 OCT 2015	BAL DUE AS OF 1 OCT	Calendar Year 2016												Calendar Year 2017												
							O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	B A L
GCCS-J Hardware Refresh																															
	1	2016	ARMY	34	-	34				A	-	-	-	34																	
							O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	B A L

UNCLASSIFIED

Exhibit P-21, Production Schedule: PB 2016 Army				Date: February 2015							
Appropriation / Budget Activity / Budget Sub Activity: 2035A / 02 / 24				P-1 Line Item Number / Title: BA8250 / Army Global Cmd & Control Sys (AGCCS)				Item Number / Title [DODIC]: BA8250 / Army Global Cmd & Control Sys (AGCCS)			

MFR Ref #	MFR Name - Location	Production Rates (Each / Month)			Procurement Leadtime (Months)								
		MSR For 2016	1-8-5 For 2016	MAX For 2016	Initial				Reorder				
					ALT Prior to Oct 1	ALT After Oct 1	Mfg PLT	Total After Oct 1	ALT Prior to Oct 1	ALT After Oct 1	Mfg PLT	Total After Oct 1	
1	General Dynamics - Tauton	1	10	50	-	-	-	-	-	-	-	-	-

"A" in the Delivery Schedule indicates the Contract Award Date.

Note: Due to space limitations, quantities in the Exhibit P-21 delivery calendar are truncated and rounded based on the maximum quantity in the calendar as follows. If the maximum quantity is less than or equal to than 9,999, all quantities are shown as each. If the maximum quantity is between 10,000 and 999,999 all quantities are shown in thousands. If the maximum quantity is between 1,000,000 and 999,999,999 all quantities are shown in millions (rounded to the nearest thousand). If the maximum quantity is equal or greater than 1,000,000,000 all quantities are shown in billions (rounded to the nearest million).

UNCLASSIFIED

Exhibit P-40, Budget Line Item Justification: PB 2016 Army **Date:** February 2015

Appropriation / Budget Activity / Budget Sub Activity: 2035A: Other Procurement, Army / BA 02: Communications and Electronics Equipment / BSA 32: Comm - Combat Communications	P-1 Line Item Number / Title: B90000 / Joint Tactical Radio System
---	--

ID Code (A=Service Ready, B=Not Service Ready) :	Program Elements for Code B Items:	Other Related Program Elements: 0604280A
---	---	---

Line Item MDAP/MAIS Code:	Item MDAP/MAIS Code(s): 385
----------------------------------	------------------------------------

Resource Summary	Prior Years	FY 2014	FY 2015	FY 2016 Base	FY 2016 OCO	FY 2016 Total	FY 2017	FY 2018	FY 2019	FY 2020	To Complete	Total
Procurement Quantity (<i>Units in Each</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Cost (<i>\$ in Millions</i>)	731.343	247.000	40.711	64.640	-	64.640	290.894	469.263	470.364	480.221	Continuing	Continuing
Less PY Advance Procurement (<i>\$ in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P1) (<i>\$ in Millions</i>)	731.343	247.000	40.711	64.640	-	64.640	290.894	469.263	470.364	480.221	Continuing	Continuing
Plus CY Advance Procurement (<i>\$ in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Total Obligation Authority (<i>\$ in Millions</i>)	731.343	247.000	40.711	64.640	-	64.640	290.894	469.263	470.364	480.221	Continuing	Continuing

(The following Resource Summary rows are for informational purposes only. The corresponding budget requests are documented elsewhere.)

Initial Spares (<i>\$ in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Flyaway Unit Cost (<i>\$ in Thousands</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Unit Cost (<i>\$ in Thousands</i>)	-	-	-	119.704	-	119.704	-	-	-	-	Continuing	Continuing

Description:

B90000 is a summary of the JTRS HMS program: B90210 (JTRS HMS - Handheld) and B90215 (JTRS HMS - Manpack); funding for the RDTE phase of the JTRS HMS program resides in Program Element 0604280A.

Handheld, Manpack, and Small Form Fit (HMS) is a materiel solution meeting the requirements for a Software Communications Architecture (SCA) compliant hardware system hosting SCA-compliant Government purpose rights software waveforms (applications). HMS is an Acquisition Category (ACAT) ID Program that encompasses specific requirements to support the US Army, US Air Force, US Navy, US Marine Corps and the Special Operations Command (SOCOM) communication needs.

HMS provides voice and data communications to the tactical edge/most disadvantaged Warfighter with an on the move, at the halt, and stationary Line of Sight (LOS)/ Beyond Line of Sight (BLOS) capability for both dismounted personnel and platforms. HMS radios are software re-programmable, networkable multi-mode system (of systems) capable of simultaneous voice, data and video communications. The embedded Small Form Factor (SFF) versions of HMS may be used for Unmanned Vehicles and other platform applications.

HMS is structured as a single program of record. The program has completed the Engineering Manufacturing and Development Phase and received Milestone C approval on 17 June 2011 with Low Rate Initial Production configured radios.

HMS is currently executing an April 2014 approved acquisition strategy to procure modified non-developmental items (NDI) through full and open competition open to all potential industry partners. The first phase is to procure an NDI AN/PRC-154A Rifleman Radio (RR) for use in a classified environment. The RR ports the Soldier Radio Waveform (SRW)-Army managed waveform. The second phase is procuring an NDI AN/PRC-155 Manpack (MP) for use in a classified environment. Waveforms to be ported to HMS MP include: SRW, Single Channel Ground and Airborne Radio System (SINCGARS)-Army managed waveform, Satellite Communications (SATCOM)-Army managed waveform, and Mobile-User Objective System (MUOS)-Navy managed waveform.

The Army will award Multiple Firm Fixed-Price (FFP) IDIQ Contracts through a multiple step selection process:

- a. Award FFP Contracts and initial delivery orders to all qualified vendors based on technical acceptability and demonstrations (4QFY15 for RR and 1QFY16 for MP).
- b. Award second delivery orders based on qualification test results (2QFY16 for RR and 3QFY16 for MP)
- c. Award FRP delivery orders based on operational assessments and best value trade off construct (2QFY17 for RR and 4QFY17 for MP).

UNCLASSIFIED

Exhibit P-40, Budget Line Item Justification: PB 2016 Army		Date: February 2015
Appropriation / Budget Activity / Budget Sub Activity: 2035A: Other Procurement, Army / BA 02: Communications and Electronics Equipment / BSA 32: Comm - Combat Communications		P-1 Line Item Number / Title: B90000 / Joint Tactical Radio System

ID Code (A=Service Ready, B=Not Service Ready) :	Program Elements for Code B Items:	Other Related Program Elements: 0604280A
---	---	---

Line Item MDAP/MAIS Code:	Item MDAP/MAIS Code(s): 385
----------------------------------	------------------------------------

Following full and open competition, qualified NDI RR and MP Radios will require operationally-relevant testing to inform a Full Rate Production decision and to support fielding to Capability Set units.

The current Rifleman Radio (Army) AAO is 193,279 (of which 37,632 are for SRW Applique). SRW Appliqué is a single-channel, vehicle-mounted radio running SRW that can be retrofit into the same space as SINCGARS. The Army intends to integrate the SRW Appliqué radios with multiple vehicle platforms for fielding flexibility.

The current Manpack and SFF-B (Army) AAO is 66,572.

Secondary Distribution		FY 2014	FY 2015	FY 2016 Base	FY 2016 OCO	FY 2016 Total	FY 2017	FY 2018	FY 2019	FY 2020
Army	Quantity	-	-	-	-	-	-	-	-	-
	Total Obligation Authority	247.000	40.711	64.640	-	64.640	290.894	469.263	470.364	480.221
Total: Secondary Distribution	Quantity	-	-	-	-	-	-	-	-	-
	Total Obligation Authority	247.000	40.711	64.640	-	64.640	290.894	469.263	470.364	480.221

UNCLASSIFIED

Exhibit P-40, Budget Line Item Justification: PB 2016 Army **Date:** February 2015

Appropriation / Budget Activity / Budget Sub Activity: 2035A: Other Procurement, Army / BA 02: Communications and Electronics Equipment / BSA 32: Comm - Combat Communications	P-1 Line Item Number / Title: B90000 / Joint Tactical Radio System
---	--

ID Code (A=Service Ready, B=Not Service Ready) :	Program Elements for Code B Items:	Other Related Program Elements: 0604280A
---	---	---

Line Item MDAP/MAIS Code:	Item MDAP/MAIS Code(s): 385
----------------------------------	------------------------------------

Exhibits Schedule			Prior Years	FY 2014	FY 2015	FY 2016 Base	FY 2016 OCO	FY 2016 Total
Title*	Exhibits	ID CD	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)
B90210 / JTRS Cluster 5 Rifleman Radio	P-5, P-5a, P-21		25,205 / 513.859	- / 34.200	- / 14.200	300 / 34.910	- / -	300 / 34.910
B90215 / JTRS (MANPACK)	P-5, P-5a, P-21		1,500 / 180.194	- / 212.800	- / 26.511	240 / 29.730	- / -	240 / 29.730
Total Gross/Weapon System Cost			- / 731.343	- / 247.000	- / 40.711	- / 64.640	- / -	- / 64.640

*Title represents 1) the Number / Title for Items; 2) the Number / Title [DODIC] for Ammunition; and/or 3) the Number / Title (Modification Type) for Modifications.

Note: Totals in this Exhibit P-40 set may not be exact or add due to rounding.

Justification:

FY16 Base procurement dollars in the amount of \$64.640M supports the procurement of:
 -300 operational test assets for the Rifleman Radio, support equipment, and fielding. (\$34.910M) (100 radios per vendor)
 -240 operational test assets for the Manpack Radio, NRE, and vehicle integration. (\$29.730M) (60 radios per vendor)

In accordance with Section 1815 of the FY08 National Defense Authorization Act (P.L. 110-181), these items are necessary for use by the active and reserve components of the Armed Forces for homeland defense missions, domestic emergency responses, and providing military support to civil authorities.

UNCLASSIFIED

Exhibit P-5, Cost Analysis: PB 2016 Army						Date: February 2015		
Appropriation / Budget Activity / Budget Sub Activity: 2035A / 02 / 32			P-1 Line Item Number / Title: B90000 / Joint Tactical Radio System			Item Number / Title [DODIC]: B90210 / JTRS Cluster 5 Rifleman Radio		
ID Code (A=Service Ready, B=Not Service Ready) :				MDAP/MAIS Code: 385				
Resource Summary			Prior Years	FY 2014	FY 2015	FY 2016 Base	FY 2016 OCO	FY 2016 Total
Procurement Quantity (Units in Each)			25,205	-	-	300	-	300
Gross/Weapon System Cost (\$ in Millions)			513.859	34.200	14.200	34.910	-	34.910
Less PY Advance Procurement (\$ in Millions)			-	-	-	-	-	-
Net Procurement (P1) (\$ in Millions)			513.859	34.200	14.200	34.910	-	34.910
Plus CY Advance Procurement (\$ in Millions)			-	-	-	-	-	-
Total Obligation Authority (\$ in Millions)			513.859	34.200	14.200	34.910	-	34.910
<i>(The following Resource Summary rows are for informational purposes only. The corresponding budget requests are documented elsewhere.)</i>								
Initial Spares (\$ in Millions)			-	-	-	-	-	-
Gross/Weapon System Unit Cost (\$ in Thousands)			20.387	-	-	116.367	-	116.367

Note: Subtotals or Totals in this Exhibit P-5 may not be exact or add, due to rounding.

Cost Elements	Prior Years			FY 2014			FY 2015			FY 2016 Base			FY 2016 OCO			FY 2016 Total		
	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)
Flyaway Cost																		
Recurring Cost																		
Hardware NRE	-	-	26.934	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Manufacturing - Rifleman Radio	3.198	9,527	30.463	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Manufacturing - Rifleman Radio (SAB) ^(†)	4.548	11,852	53.905	-	-	7.500	-	-	-	6.513	300	1.954	-	-	-	6.513	300	1.954
Manufacturing - Manpack	71.304	3,826	272.810	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Support Equipment	-	-	28.080	-	-	-	-	-	-	-	-	6.374	-	-	-	-	-	6.374
Engineering Changes	-	-	17.593	-	-	-	-	-	12.500	-	-	-	-	-	-	-	-	-
Fielding	-	-	27.742	-	-	4.709	-	-	-	-	-	6.851	-	-	-	-	-	6.851
Systems Engineering/ Management	-	-	32.849	-	-	20.312	-	-	1.700	-	-	16.361	-	-	-	-	-	16.361
Data	-	-	2.105	-	-	-	-	-	-	-	-	0.015	-	-	-	-	-	0.015
Software Support	-	-	-	-	-	1.679	-	-	-	-	-	3.356	-	-	-	-	-	3.356
Other	-	-	21.377	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Subtotal: Recurring Cost	-	-	513.859	-	-	34.200	-	-	14.200	-	-	34.911	-	-	-	116.367	300	34.911
Subtotal: Flyaway Cost	-	-	513.859	-	-	34.200	-	-	14.200	-	-	34.911	-	-	-	-	-	34.911
Gross/Weapon System Cost	20.387	25,205	513.859	-	-	34.200	-	-	14.200	116.367	300	34.910	-	-	-	116.367	300	34.910

UNCLASSIFIED

Exhibit P-5, Cost Analysis: PB 2016 Army **Date:** February 2015

Appropriation / Budget Activity / Budget Sub Activity: 2035A / 02 / 32	P-1 Line Item Number / Title: B90000 / Joint Tactical Radio System	Item Number / Title [DODIC]: B90210 / JTRS Cluster 5 Rifleman Radio
--	--	---

ID Code (A=Service Ready, B=Not Service Ready) : **MDAP/MAIS Code:**385

Secondary Distribution		FY 2014	FY 2015	FY 2016 Base	FY 2016 OCO	FY 2016 Total
Army	Quantity	-	-	300	-	300
	Total Obligation Authority	34.200	14.200	34.910	-	34.910
Total:	Quantity	-	-	300	-	300
Secondary Distribution	Total Obligation Authority	34.200	14.200	34.910	-	34.910

(t) indicates the presence of a P-5a

UNCLASSIFIED

Exhibit P-5a, Procurement History and Planning: PB 2016 Army **Date:** February 2015

Appropriation / Budget Activity / Budget Sub Activity: 2035A / 02 / 32	P-1 Line Item Number / Title: B90000 / Joint Tactical Radio System	Item Number / Title [DODIC]: B90210 / JTRS Cluster 5 Rifleman Radio
--	--	---

Cost Elements	O C O	FY	Contractor and Location	Method/Type or Funding Vehicle	Location of PCO	Award Date	Date of First Delivery	Qty <i>(Each)</i>	Unit Cost <i>(\$ K)</i>	Specs Avail Now?	Date Revision Available	RFP Issue Date
Manufacturing - Rifleman Radio (SAB) ^(†)		2016	TBD / TBD	C / FFP	APG, MD	Jan 2016	Apr 2016	300	6.513	N	Jan 2015	Jan 2015

^(†) indicates the presence of a P-21

Remarks:
The Joint Tactical Radio System (JTRS) Handheld, Manpack, and Small Form Fit (HMS) contract will be Firm Fixed Price (FFP) for Full Rate Production (FRP).

UNCLASSIFIED

Exhibit P-21, Production Schedule: PB 2016 Army **Date:** February 2015

Appropriation / Budget Activity / Budget Sub Activity: 2035A / 02 / 32	P-1 Line Item Number / Title: B90000 / Joint Tactical Radio System	Item Number / Title [DODIC]: B90210 / JTRS Cluster 5 Rifleman Radio
--	--	---

Cost Elements <i>(Units in Each)</i>						Fiscal Year 2016												Fiscal Year 2017													
O C C O	M F R #	FY	SERVICE	PROC QTY	ACCEPT PRIOR TO 1 OCT 2015	BAL DUE AS OF 1 OCT	Calendar Year 2016												Calendar Year 2017												
							O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	B A L
Manufacturing - Rifleman Radio (SAB)																															
Prior Years Deliveries: 11852																															
1	2016	ARMY		300	-	300				A -	-	-	300																		
							O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	B A L

UNCLASSIFIED

Exhibit P-21, Production Schedule: PB 2016 Army		Date: February 2015
Appropriation / Budget Activity / Budget Sub Activity: 2035A / 02 / 32		P-1 Line Item Number / Title: B90000 / Joint Tactical Radio System
		Item Number / Title [DODIC]: B90210 / JTRS Cluster 5 Rifleman Radio

MFR Ref #	MFR Name - Location	Production Rates (Each / Month)			Procurement Leadtime (Months)								
		MSR For 2016	1-8-5 For 2016	MAX For 2016	Initial				Reorder				
					ALT Prior to Oct 1	ALT After Oct 1	Mfg PLT	Total After Oct 1	ALT Prior to Oct 1	ALT After Oct 1	Mfg PLT	Total After Oct 1	
1	TBD - TBD	1	75	300	-	-	-	-	-	-	-	-	-

Remarks:
Based on the Army's requirements and the number of vendors, min/max production rates will be determined at that time. Current numbers reflect planned competition test quantities.

"A" in the Delivery Schedule indicates the Contract Award Date.
Note: Due to space limitations, quantities in the Exhibit P-21 delivery calendar are truncated and rounded based on the maximum quantity in the calendar as follows. If the maximum quantity is less than or equal to than 9,999, all quantities are shown as each. If the maximum quantity is between 10,000 and 999,999 all quantities are shown in thousands. If the maximum quantity is between 1,000,000 and 999,999,999 all quantities are shown in millions (rounded to the nearest thousand).If the maximum quantity is equal or greater than 1,000,000,000 all quantities are shown in billions (rounded to the nearest million).

UNCLASSIFIED

Exhibit P-5, Cost Analysis: PB 2016 Army **Date:** February 2015

Appropriation / Budget Activity / Budget Sub Activity: 2035A / 02 / 32	P-1 Line Item Number / Title: B90000 / Joint Tactical Radio System	Item Number / Title [DODIC]: B90215 / JTRS (MANPACK)
--	--	--

ID Code (A=Service Ready, B=Not Service Ready) : **MDAP/MAIS Code:**385

Resource Summary	Prior Years	FY 2014	FY 2015	FY 2016 Base	FY 2016 OCO	FY 2016 Total
Procurement Quantity (Units in Each)	1,500	-	-	240	-	240
Gross/Weapon System Cost (\$ in Millions)	180.194	212.800	26.511	29.730	-	29.730
Less PY Advance Procurement (\$ in Millions)	-	-	-	-	-	-
Net Procurement (P1) (\$ in Millions)	180.194	212.800	26.511	29.730	-	29.730
Plus CY Advance Procurement (\$ in Millions)	-	-	-	-	-	-
Total Obligation Authority (\$ in Millions)	180.194	212.800	26.511	29.730	-	29.730

(The following Resource Summary rows are for informational purposes only. The corresponding budget requests are documented elsewhere.)

Initial Spares (\$ in Millions)	-	-	-	-	-	-
Gross/Weapon System Unit Cost (\$ in Thousands)	120.129	-	-	123.875	-	123.875

Note: Subtotals or Totals in this Exhibit P-5 may not be exact or add, due to rounding.

Cost Elements	Prior Years			FY 2014			FY 2015			FY 2016 Base			FY 2016 OCO			FY 2016 Total		
	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)
Flyaway Cost																		
Non Recurring Cost																		
Hardware NRE	-	-	0.214	-	-	37.694	-	-	7.600	-	-	5.000	-	-	-	-	-	5.000
Recurring Manufacturing - Manpack ^(†)	85.000	1,500	127.500	-	-	41.287	-	-	-	67.179	240	16.123	-	-	-	67.179	240	16.123
Support Equipment	-	-	0.731	-	-	0.333	-	-	-	-	-	0.417	-	-	-	-	-	0.417
Fielding	-	-	4.405	-	-	34.675	-	-	6.300	-	-	0.616	-	-	-	-	-	0.616
Systems Engineering/ Management	-	-	15.312	-	-	37.816	-	-	12.611	-	-	5.574	-	-	-	-	-	5.574
Data	-	-	-	-	-	-	-	-	-	-	-	0.084	-	-	-	-	-	0.084
Vehicle Integration	-	-	11.232	-	-	60.995	-	-	-	-	-	1.916	-	-	-	-	-	1.916
Single Channel SRW Capability	-	-	20.800	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
<i>Subtotal: Non Recurring Cost</i>	-	-	180.194	-	-	212.800	-	-	26.511	-	-	29.730	-	-	-	-	-	29.730
<i>Subtotal: Flyaway Cost</i>	-	-	180.194	-	-	212.800	-	-	26.511	-	-	29.730	-	-	-	-	-	29.730
Gross/Weapon System Cost	120.129	1,500	180.194	-	-	212.800	-	-	26.511	123.875	240	29.730	-	-	-	123.875	240	29.730

Secondary Distribution		FY 2014	FY 2015	FY 2016 Base	FY 2016 OCO	FY 2016 Total
Army	Quantity	-	-	240	-	240
	Total Obligation Authority	212.800	26.511	29.730	-	29.730

UNCLASSIFIED

Exhibit P-5, Cost Analysis: PB 2016 Army **Date:** February 2015

Appropriation / Budget Activity / Budget Sub Activity: 2035A / 02 / 32	P-1 Line Item Number / Title: B90000 / Joint Tactical Radio System	Item Number / Title [DODIC]: B90215 / JTRS (MANPACK)
--	--	--

ID Code (A=Service Ready, B=Not Service Ready) : **MDAP/MAIS Code:**385

Secondary Distribution		FY 2014	FY 2015	FY 2016 Base	FY 2016 OCO	FY 2016 Total
Total:	Quantity	-	-	240	-	240
Secondary Distribution	Total Obligation Authority	212.800	26.511	29.730	-	29.730

(t) indicates the presence of a P-5a

UNCLASSIFIED

Exhibit P-5a, Procurement History and Planning: PB 2016 Army							Date: February 2015					
Appropriation / Budget Activity / Budget Sub Activity: 2035A / 02 / 32			P-1 Line Item Number / Title: B90000 / Joint Tactical Radio System				Item Number / Title [DODIC]: B90215 / JTRS (MANPACK)					
Cost Elements	O C O	FY	Contractor and Location	Method/Type or Funding Vehicle	Location of PCO	Award Date	Date of First Delivery	Qty (Each)	Unit Cost (\$ K)	Specs Avail Now?	Date Revision Available	RFP Issue Date
Recurring Manufacturing - Manpack ^(†)		2016	TBD / TBD	C / FFP	APG, MD	May 2016	Aug 2016	240	67.179	N	Jun 2015	Jun 2015

^(†) indicates the presence of a P-21

Remarks:
The Joint Tactical Radio System (JTRS) Handheld, Manpack, and Small Form Fit (HMS) contract will be Firm Fixed Price (FFP) for Full Rate Production (FRP).

UNCLASSIFIED

Exhibit P-21, Production Schedule: PB 2016 Army **Date:** February 2015

Appropriation / Budget Activity / Budget Sub Activity: 2035A / 02 / 32	P-1 Line Item Number / Title: B90000 / Joint Tactical Radio System	Item Number / Title [DODIC]: B90215 / JTRS (MANPACK)
--	--	--

Cost Elements (Units in Each)						Fiscal Year 2016										Fiscal Year 2017															
O C C O	M F R #	FY	SERVICE	PROC QTY	ACCEPT PRIOR TO 1 OCT 2015	BAL DUE AS OF 1 OCT	Calendar Year 2016										Calendar Year 2017														
							O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	B A L
Recurring Manufacturing - Manpack																															
Prior Years Deliveries: 1500																															
1		2016	ARMY	240	-	240										A	-													-	
							O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	B A L

UNCLASSIFIED

Exhibit P-21, Production Schedule: PB 2016 Army		Date: February 2015
Appropriation / Budget Activity / Budget Sub Activity: 2035A / 02 / 32		P-1 Line Item Number / Title: B90000 / Joint Tactical Radio System
		Item Number / Title [DODIC]: B90215 / JTRS (MANPACK)

MFR Ref #	MFR Name - Location	Production Rates (Each / Month)			Procurement Leadtime (Months)								
		MSR For 2016	1-8-5 For 2016	MAX For 2016	Initial				Reorder				
					ALT Prior to Oct 1	ALT After Oct 1	Mfg PLT	Total After Oct 1	ALT Prior to Oct 1	ALT After Oct 1	Mfg PLT	Total After Oct 1	
1	TBD - TBD	1	60	240	-	-	-	-	-	-	-	-	-

Remarks:
Based on the Army's requirements and the number of vendors, min/max production rates will be determined at that time. Current numbers reflect planned competition test quantities.

"A" in the Delivery Schedule indicates the Contract Award Date.
Note: Due to space limitations, quantities in the Exhibit P-21 delivery calendar are truncated and rounded based on the maximum quantity in the calendar as follows. If the maximum quantity is less than or equal to than 9,999, all quantities are shown as each. If the maximum quantity is between 10,000 and 999,999 all quantities are shown in thousands. If the maximum quantity is between 1,000,000 and 999,999,999 all quantities are shown in millions (rounded to the nearest thousand). If the maximum quantity is equal or greater than 1,000,000,000 all quantities are shown in billions (rounded to the nearest million).

UNCLASSIFIED

Exhibit P-40, Budget Line Item Justification: PB 2016 Army **Date:** February 2015

Appropriation / Budget Activity / Budget Sub Activity: 2035A: Other Procurement, Army / BA 02: Communications and Electronics Equipment / BSA 36: Comm - Intelligence Comm	P-1 Line Item Number / Title: B51001 / MID-TIER NETWORKING VEHICULAR RADIO (MNVR)
---	---

ID Code (A=Service Ready, B=Not Service Ready) :	Program Elements for Code B Items:	Other Related Program Elements: 0604290A
---	---	---

Resource Summary	Prior Years	FY 2014	FY 2015	FY 2016 Base	FY 2016 OCO	FY 2016 Total	FY 2017	FY 2018	FY 2019	FY 2020	To Complete	Total
Procurement Quantity <i>(Units in Each)</i>	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Cost <i>(\$ in Millions)</i>	51.105	19.200	4.692	27.762	-	27.762	27.726	48.393	49.040	59.118	-	287.036
Less PY Advance Procurement <i>(\$ in Millions)</i>	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P1) <i>(\$ in Millions)</i>	51.105	19.200	4.692	27.762	-	27.762	27.726	48.393	49.040	59.118	-	287.036
Plus CY Advance Procurement <i>(\$ in Millions)</i>	-	-	-	-	-	-	-	-	-	-	-	-
Total Obligation Authority <i>(\$ in Millions)</i>	51.105	19.200	4.692	27.762	-	27.762	27.726	48.393	49.040	59.118	-	287.036

(The following Resource Summary rows are for informational purposes only. The corresponding budget requests are documented elsewhere.)

Initial Spares <i>(\$ in Millions)</i>	-	-	-	-	-	-	-	-	-	-	-	-
Flyaway Unit Cost <i>(\$ in Thousands)</i>	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Unit Cost <i>(\$ in Thousands)</i>	-	-	-	122.841	-	122.841	-	-	-	-	-	-

Description:

The Mid-tier Networking Vehicular Radio (MNVR) enables the extension of data services within the tactical network through seamless integration of the upper and lower tiers; providing software-defined, multi-channel networking radios for a wide variety of Army tactical vehicles to meet the Army's requirement for the Mid-tier Wideband Networking (MWN) capability.

On 20 September 2013, the Defense Acquisition Executive (DAE) signed the Acquisition Decision Memorandum (ADM) approving the program Materiel Development Decision (MDD). The ADM designated MNVR as an ACAT 1D Special Interest Program under the continued oversight of the DAE. It approved the Army to award an Industry contract, which was awarded on 24 September 2013 as a single award for an Indefinite Delivery Indefinite Quantity (IDIQ), firm fixed price contract.

The Approved Acquisition Objective (AAO) for the MNVR is 10,293.

Secondary Distribution	FY 2014	FY 2015	FY 2016 Base	FY 2016 OCO	FY 2016 Total	FY 2017	FY 2018	FY 2019	FY 2020
Army									
Quantity	-	-	-	-	-	-	-	-	-
Total Obligation Authority	19.200	4.692	27.762	-	27.762	27.726	48.393	49.040	59.118
Total: Secondary Distribution									
Quantity	-	-	-	-	-	-	-	-	-
Total Obligation Authority	19.200	4.692	27.762	-	27.762	27.726	48.393	49.040	59.118

UNCLASSIFIED

Exhibit P-40, Budget Line Item Justification: PB 2016 Army **Date:** February 2015

Appropriation / Budget Activity / Budget Sub Activity: 2035A: Other Procurement, Army / BA 02: Communications and Electronics Equipment / BSA 36: Comm - Intelligence Comm	P-1 Line Item Number / Title: B51001 / MID-TIER NETWORKING VEHICULAR RADIO (MNVR)
---	---

ID Code (A=Service Ready, B=Not Service Ready) :			Program Elements for Code B Items:			Other Related Program Elements: 0604290A		
Exhibits Schedule			Prior Years	FY 2014	FY 2015	FY 2016 Base	FY 2016 OCO	FY 2016 Total
Title*	Exhibits	ID CD	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)
B51001 / MID-TIER NETWORKING VEHICULAR RADIO (MNVR)	P-5, P-5a, P-21		- / 51.105	- / 19.200	- / 4.692	- / 27.762	- / -	- / 27.762
Total Gross/Weapon System Cost			- / 51.105	- / 19.200	- / 4.692	- / 27.762	- / -	- / 27.762

*Title represents 1) the Number / Title for Items; 2) the Number / Title [DODIC] for Ammunition; and/or 3) the Number / Title (Modification Type) for Modifications.

Note: Totals in this Exhibit P-40 set may not be exact or add due to rounding.

Justification:
 FY 2016 Base procurement dollars in the amount of \$27.762 million funds the procurement of 226 radios for fielding in FY17. FY 2016 funding also provides for preliminary CS 17 & 18 fielding activities including Tier I & II Support Operations Cell (SOC)/Single Interface to the Field (SIF) support; minor hardware modifications; Source Selection for the next industry-developed version of the MNVR to be fielded starting in CS19; and Project Management Administration (PMA) costs to support the execution of the modified Non-Developmental Item (NDI) strategy for a mid-tier networking vehicular capability.

In accordance with Section 1815 of the FY 2008 National Defense Authorization Act (P.L. 110-181), this item is necessary for use by the active and reserve components of the Armed Forces for homeland defense missions, domestic emergency responses, and providing military support to civil authorities.

UNCLASSIFIED

Exhibit P-5, Cost Analysis: PB 2016 Army		Date: February 2015
Appropriation / Budget Activity / Budget Sub Activity: 2035A / 02 / 36	P-1 Line Item Number / Title: B51001 / MID-TIER NETWORKING VEHICULAR RADIO (MNVR)	Item Number / Title [DODIC]: B51001 / MID-TIER NETWORKING VEHICULAR RADIO (MNVR)

ID Code (A=Service Ready, B=Not Service Ready) :	MDAP/MAIS Code:
---	------------------------

Resource Summary	Prior Years	FY 2014	FY 2015	FY 2016 Base	FY 2016 OCO	FY 2016 Total
Procurement Quantity (Units in Each)	-	-	-	-	-	-
Gross/Weapon System Cost (\$ in Millions)	51.105	19.200	4.692	27.762	-	27.762
Less PY Advance Procurement (\$ in Millions)	-	-	-	-	-	-
Net Procurement (P1) (\$ in Millions)	51.105	19.200	4.692	27.762	-	27.762
Plus CY Advance Procurement (\$ in Millions)	-	-	-	-	-	-
Total Obligation Authority (\$ in Millions)	51.105	19.200	4.692	27.762	-	27.762

(The following Resource Summary rows are for informational purposes only. The corresponding budget requests are documented elsewhere.)

Initial Spares (\$ in Millions)	-	-	-	-	-	-
Gross/Weapon System Unit Cost (\$ in Thousands)	-	-	-	122.841	-	122.841

Note: Subtotals or Totals in this Exhibit P-5 may not be exact or add, due to rounding.

Cost Elements	Prior Years			FY 2014			FY 2015			FY 2016 Base			FY 2016 OCO			FY 2016 Total		
	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)
Flyaway Cost																		
Recurring Cost																		
Engineering Changes	-	-	2.254	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
System Test and Evaluation	-	-	2.618	-	-	-	-	-	-	-	-	0.100	-	-	-	-	-	0.100
Platform Integration/Installation	-	-	10.800	-	-	2.243	-	-	-	-	-	3.109	-	-	-	-	-	3.109
Project Management Administration	-	-	27.063	-	-	14.750	-	-	4.692	-	-	13.320	-	-	-	-	-	13.320
<i>Subtotal: Recurring Cost</i>	-	-	<i>42.735</i>	-	-	<i>16.993</i>	-	-	<i>4.692</i>	-	-	<i>16.529</i>	-	-	-	-	-	<i>16.529</i>
<i>Subtotal: Flyaway Cost</i>	-	-	<i>42.735</i>	-	-	<i>16.993</i>	-	-	<i>4.692</i>	-	-	<i>16.529</i>	-	-	-	-	-	<i>16.529</i>
Hardware Cost																		
Recurring Cost																		
Mid-Tier Networking Radio (B-Kit) ^(†)	-	-	-	-	-	-	-	-	-	43.951	226	9.933	-	-	-	43.951	226	9.933
Other Hardware (A-Kit)	-	-	5.078	-	-	0.936	-	-	-	-	-	1.029	-	-	-	-	-	1.029
Network Management/Software Loader	-	-	0.591	-	-	0.115	-	-	-	-	-	0.187	-	-	-	-	-	0.187
<i>Subtotal: Recurring Cost</i>	-	-	<i>5.669</i>	-	-	<i>1.051</i>	-	-	-	-	-	<i>11.149</i>	-	-	-	-	-	<i>11.149</i>
<i>Subtotal: Hardware Cost</i>	-	-	<i>5.669</i>	-	-	<i>1.051</i>	-	-	-	-	-	<i>11.149</i>	-	-	-	-	-	<i>11.149</i>
Logistics Cost																		
Recurring Cost																		

UNCLASSIFIED

Exhibit P-5, Cost Analysis: PB 2016 Army		Date: February 2015
Appropriation / Budget Activity / Budget Sub Activity: 2035A / 02 / 36		P-1 Line Item Number / Title: B51001 / MID-TIER NETWORKING VEHICULAR RADIO (MNVR)
ID Code (A=Service Ready, B=Not Service Ready) :		MDAP/MAIS Code:

Note: Subtotals or Totals in this Exhibit P-5 may not be exact or add, due to rounding.

Cost Elements	Prior Years			FY 2014			FY 2015			FY 2016 Base			FY 2016 OCO			FY 2016 Total		
	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)
Data/Training/CLS/Support Equipment	-	-	2.701	-	-	1.156	-	-	-	-	-	0.084	-	-	-	-	-	0.084
<i>Subtotal: Recurring Cost</i>	-	-	2.701	-	-	1.156	-	-	-	-	-	0.084	-	-	-	-	-	0.084
<i>Subtotal: Logistics Cost</i>	-	-	2.701	-	-	1.156	-	-	-	-	-	0.084	-	-	-	-	-	0.084
Gross/Weapon System Cost	-	-	51.105	-	-	19.200	-	-	4.692	122.841	-	27.762	-	-	-	122.841	-	27.762

Secondary Distribution		FY 2014	FY 2015	FY 2016 Base	FY 2016 OCO	FY 2016 Total
Army	Quantity	-	-	-	-	-
	Total Obligation Authority	19.200	4.692	27.762	-	27.762
Total: Secondary Distribution	Quantity	-	-	-	-	-
	Total Obligation Authority	19.200	4.692	27.762	-	27.762

(t) indicates the presence of a P-5a

UNCLASSIFIED

Exhibit P-5a, Procurement History and Planning: PB 2016 Army							Date: February 2015					
Appropriation / Budget Activity / Budget Sub Activity: 2035A / 02 / 36			P-1 Line Item Number / Title: B51001 / MID-TIER NETWORKING VEHICULAR RADIO (MNVR)				Item Number / Title [DODIC]: B51001 / MID-TIER NETWORKING VEHICULAR RADIO (MNVR)					
Cost Elements	O C O	FY	Contractor and Location	Method/Type or Funding Vehicle	Location of PCO	Award Date	Date of First Delivery	Qty (Each)	Unit Cost (\$ K)	Specs Avail Now?	Date Revision Available	RFP Issue Date
Mid-Tier Networking Radio (B-Kit) ^(†)		2016	Harris Corp / Rochester NY	C / FFP	Aberdeen Proving Ground, MD	Aug 2016	Jan 2017	226	43.951	N	Sep 2013	Aug 2012

^(†) indicates the presence of a P-21

Remarks:
This represents the procurement of Delivery Order Number 3 on the current Harris Corp contract, dated 24 September 2013.

UNCLASSIFIED

Exhibit P-21, Production Schedule: PB 2016 Army																							Date: February 2015												
Appropriation / Budget Activity / Budget Sub Activity: 2035A / 02 / 36											P-1 Line Item Number / Title: B51001 / MID-TIER NETWORKING VEHICULAR RADIO (MNVR)											Item Number / Title [DODIC]: B51001 / MID-TIER NETWORKING VEHICULAR RADIO (MNVR)													
Cost Elements <i>(Units in Each)</i>						Fiscal Year 2016														Fiscal Year 2017															
O C C O	M F R #	FY	SERVICE	PROC QTY	ACCEPT PRIOR TO 1 OCT 2015	BAL DUE AS OF 1 OCT	Calendar Year 2016														Calendar Year 2017														
							O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	B A L				
Mid-Tier Networking Radio (B-Kit)																																			
	1	2016	ARMY	226	-	226																													
							O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	B A L				

UNCLASSIFIED

Exhibit P-21, Production Schedule: PB 2016 Army				Date: February 2015				
Appropriation / Budget Activity / Budget Sub Activity: 2035A / 02 / 36			P-1 Line Item Number / Title: B51001 / MID-TIER NETWORKING VEHICULAR RADIO (MNVR)				Item Number / Title [DODIC]: B51001 / MID-TIER NETWORKING VEHICULAR RADIO (MNVR)	

MFR Ref #	MFR Name - Location	Production Rates (Each / Month)			Procurement Leadtime (Months)							
		MSR For 2016	1-8-5 For 2016	MAX For 2016	Initial				Reorder			
					ALT Prior to Oct 1	ALT After Oct 1	Mfg PLT	Total After Oct 1	ALT Prior to Oct 1	ALT After Oct 1	Mfg PLT	Total After Oct 1
1	Harris Corp - Rochester NY	10	223	400	353	-	176	176	-	-	-	-

Remarks:
FY 2016 dollars support the procurement of 226 radios. 204 radios will field to Capability Set (CS) 17 and 22 radios will be provided to the schoolhouse.

"A" in the Delivery Schedule indicates the Contract Award Date.

Note: Due to space limitations, quantities in the Exhibit P-21 delivery calendar are truncated and rounded based on the maximum quantity in the calendar as follows. If the maximum quantity is less than or equal to than 9,999, all quantities are shown as each. If the maximum quantity is between 10,000 and 999,999 all quantities are shown in thousands. If the maximum quantity is between 1,000,000 and 999,999,999 all quantities are shown in millions (rounded to the nearest thousand). If the maximum quantity is equal or greater than 1,000,000,000 all quantities are shown in billions (rounded to the nearest million).

UNCLASSIFIED

Exhibit P-40, Budget Line Item Justification: PB 2016 Army **Date:** February 2015

Appropriation / Budget Activity / Budget Sub Activity: 2035A: Other Procurement, Army / BA 02: Communications and Electronics Equipment / BSA 32: Comm - Combat Communications	P-1 Line Item Number / Title: B22603 / Radio Terminal Set, MIDS LVT(2)
---	--

ID Code (A=Service Ready, B=Not Service Ready) :	Program Elements for Code B Items:	Other Related Program Elements:
---	---	--

Line Item MDAP/MAIS Code:	Item MDAP/MAIS Code(s): 554
----------------------------------	------------------------------------

Resource Summary	Prior Years	FY 2014	FY 2015	FY 2016 Base	FY 2016 OCO	FY 2016 Total	FY 2017	FY 2018	FY 2019	FY 2020	To Complete	Total
Procurement Quantity (<i>Units in Each</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Cost (<i>\$ in Millions</i>)	77.610	1.438	15.698	9.422	-	9.422	9.418	9.416	8.435	2.478	Continuing	Continuing
Less PY Advance Procurement (<i>\$ in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P1) (<i>\$ in Millions</i>)	77.610	1.438	15.698	9.422	-	9.422	9.418	9.416	8.435	2.478	Continuing	Continuing
Plus CY Advance Procurement (<i>\$ in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Total Obligation Authority (<i>\$ in Millions</i>)	77.610	1.438	15.698	9.422	-	9.422	9.418	9.416	8.435	2.478	Continuing	Continuing

(The following Resource Summary rows are for informational purposes only. The corresponding budget requests are documented elsewhere.)

Initial Spares (<i>\$ in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Flyaway Unit Cost (<i>\$ in Thousands</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Unit Cost (<i>\$ in Thousands</i>)	-	-	-	109.558	-	109.558	-	-	-	-	Continuing	Continuing

Description:

The Multifunctional Information Distribution System Low Volume Terminal (MIDS LVT) is a communications device that provides situational awareness information exchange between aircraft, airborne command and control, Ground Air Defense and shipboard platforms in the Tactical Data Link-16 Network. The Army variant consists of three Line Replaceable Units (Main Terminal, Power Supply Assembly and Cooling Unit) installed on a mounting base, which physically and functionally replaces the Joint Tactical Information Distribution System (JTIDS) Class 2M terminal.

The Army Acquisition Objective (AAO) for MIDS is 709 and the Army Procurement Objective is 572. The Army procured 566 terminals through FY14 and no more hardware procurements are planned. Army future procurement are for Block Upgrade 2 (BU2) upgrade kits only.

Procurement dollars support the acquisition and fielding of MIDS-LVT terminals for the Air Defense Airspace Management (ADAM) Cells, PATRIOT, Terminal High Altitude Air Defense (THAAD), Forward Area Air Defense Command and Control (FAADC2), Joint Land Attack Cruise Missile Defense Elevated Netted Sensor (JLENS), Joint Tactical Ground Station (JTAGS), Unmanned Aerial System (UAS) and Integrated Air and Missile Defense Battle Command System (IBCS), in support of the Army Transformation Plan.

Army MIDS is part of the Joint Navy-led MIDS program. The Army leverages Navy contracts to support Army MIDS efforts and to upgrade the BU2 crypto-modernization initiative. The BU2 retrofit improves the capabilities and security of the MIDS LVT by incorporating the crypto-modernization and mandated frequency remapping to ensure compliance with National Security Agency and Federal Aviation Administration mandates. The BU2 kit replaces approximately five shop replaceable units within the radio.

Secondary Distribution		FY 2014	FY 2015	FY 2016 Base	FY 2016 OCO	FY 2016 Total	FY 2017	FY 2018	FY 2019	FY 2020
Army	Quantity	-	-	-	-	-	-	-	-	-
	Total Obligation Authority	1.438	15.698	9.422	-	9.422	9.418	9.416	8.435	2.478

UNCLASSIFIED

Exhibit P-40, Budget Line Item Justification: PB 2016 Army **Date:** February 2015

Appropriation / Budget Activity / Budget Sub Activity: 2035A: Other Procurement, Army / BA 02: Communications and Electronics Equipment / BSA 32: Comm - Combat Communications	P-1 Line Item Number / Title: B22603 / Radio Terminal Set, MIDS LVT(2)
---	--

ID Code (A=Service Ready, B=Not Service Ready) :	Program Elements for Code B Items:	Other Related Program Elements:
---	---	--

Line Item MDAP/MAIS Code:	Item MDAP/MAIS Code(s): 554
----------------------------------	------------------------------------

Secondary Distribution		FY 2014	FY 2015	FY 2016 Base	FY 2016 OCO	FY 2016 Total	FY 2017	FY 2018	FY 2019	FY 2020
Total:	Quantity	-	-	-	-	-	-	-	-	-
Secondary Distribution	Total Obligation Authority	1.438	15.698	9.422	-	9.422	9.418	9.416	8.435	2.478

UNCLASSIFIED

Exhibit P-40, Budget Line Item Justification: PB 2016 Army **Date:** February 2015

Appropriation / Budget Activity / Budget Sub Activity: 2035A: Other Procurement, Army / BA 02: Communications and Electronics Equipment / BSA 32: Comm - Combat Communications	P-1 Line Item Number / Title: B22603 / Radio Terminal Set, MIDS LVT(2)
---	--

ID Code (A=Service Ready, B=Not Service Ready) :	Program Elements for Code B Items:	Other Related Program Elements:
---	---	--

Line Item MDAP/MAIS Code:	Item MDAP/MAIS Code(s): 554
----------------------------------	------------------------------------

Exhibits Schedule			Prior Years	FY 2014	FY 2015	FY 2016 Base	FY 2016 OCO	FY 2016 Total
Title*	Exhibits	ID CD	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)
B22603 / Radio Terminal Set, MIDS LVT(2)	P-5, P-5a, P-21		- / 77.610	- / 1.438	- / 15.698	- / 9.422	- / -	- / 9.422
Total Gross/Weapon System Cost			- / 77.610	- / 1.438	- / 15.698	- / 9.422	- / -	- / 9.422

*Title represents 1) the Number / Title for Items; 2) the Number / Title [DODIC] for Ammunition; and/or 3) the Number / Title (Modification Type) for Modifications.

Note: Totals in this Exhibit P-40 set may not be exact or add due to rounding.

Justification:
 FY2016 Base dollars in the amount of \$9.422 million will support Block Upgrade 2 retrofit, engineering services, software support, and program management. The Block Upgrade 2 unit cost is pending contract award and negotiation. With a planning retrofit unit cost of \$65K, 86 BU2 retrofit kits may be procured in FY16.

UNCLASSIFIED

Exhibit P-5, Cost Analysis: PB 2016 Army		Date: February 2015
Appropriation / Budget Activity / Budget Sub Activity: 2035A / 02 / 32		P-1 Line Item Number / Title: B22603 / Radio Terminal Set, MIDS LVT(2)
		Item Number / Title [DODIC]: B22603 / Radio Terminal Set, MIDS LVT(2)

ID Code (A=Service Ready, B=Not Service Ready) :	MDAP/MAIS Code: 554
---	----------------------------

Resource Summary	Prior Years	FY 2014	FY 2015	FY 2016 Base	FY 2016 OCO	FY 2016 Total
Procurement Quantity (Units in Each)	-	-	-	-	-	-
Gross/Weapon System Cost (\$ in Millions)	77.610	1.438	15.698	9.422	-	9.422
Less PY Advance Procurement (\$ in Millions)	-	-	-	-	-	-
Net Procurement (P1) (\$ in Millions)	77.610	1.438	15.698	9.422	-	9.422
Plus CY Advance Procurement (\$ in Millions)	-	-	-	-	-	-
Total Obligation Authority (\$ in Millions)	77.610	1.438	15.698	9.422	-	9.422

(The following Resource Summary rows are for informational purposes only. The corresponding budget requests are documented elsewhere.)

Initial Spares (\$ in Millions)	-	-	-	-	-	-
Gross/Weapon System Unit Cost (\$ in Thousands)	-	-	-	109.558	-	109.558

Note: Subtotals or Totals in this Exhibit P-5 may not be exact or add, due to rounding.

Cost Elements	Prior Years			FY 2014			FY 2015			FY 2016 Base			FY 2016 OCO			FY 2016 Total		
	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)
Flyaway Cost																		
Recurring Cost																		
Hardware	-	-	61.764	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Other Hardware - Voice Conv ^(†)	-	-	-	-	-	-	15.088	544	8.208	-	-	0.496	-	-	-	-	-	0.496
Other Hardware - BU2 ^(†)	-	-	-	-	-	-	-	-	-	65.000	86	5.590	-	-	-	65.000	86	5.590
Other Hardware - LCMs	-	-	-	-	-	-	2.848	99	0.282	2.850	173	0.493	-	-	-	2.850	173	0.493
Program Management Support	-	-	10.598	-	-	0.868	-	-	6.166	-	-	2.351	-	-	-	-	-	2.351
Software Support	-	-	5.248	-	-	0.570	-	-	0.320	-	-	0.242	-	-	-	-	-	0.242
Test	-	-	-	-	-	-	-	-	0.672	-	-	0.200	-	-	-	-	-	0.200
Logistics	-	-	-	-	-	-	-	-	0.050	-	-	0.050	-	-	-	-	-	0.050
<i>Subtotal: Recurring Cost</i>	-	-	<i>77.610</i>	-	-	<i>1.438</i>	-	-	<i>15.698</i>	-	-	<i>9.422</i>	-	-	-	-	-	<i>9.422</i>
<i>Subtotal: Flyaway Cost</i>	-	-	<i>77.610</i>	-	-	<i>1.438</i>	-	-	<i>15.698</i>	-	-	<i>9.422</i>	-	-	-	-	-	<i>9.422</i>
Gross/Weapon System Cost	-	-	77.610	-	-	1.438	-	-	15.698	109.558	-	9.422	-	-	-	109.558	-	9.422

Secondary Distribution		FY 2014	FY 2015	FY 2016 Base	FY 2016 OCO	FY 2016 Total
Army	Quantity	-	-	-	-	-

UNCLASSIFIED

Exhibit P-5, Cost Analysis: PB 2016 Army		Date: February 2015
Appropriation / Budget Activity / Budget Sub Activity: 2035A / 02 / 32	P-1 Line Item Number / Title: B22603 / Radio Terminal Set, MIDS LVT(2)	Item Number / Title [DODIC]: B22603 / Radio Terminal Set, MIDS LVT(2)

ID Code (A=Service Ready, B=Not Service Ready) : **MDAP/MAIS Code:**554

Secondary Distribution		FY 2014	FY 2015	FY 2016 Base	FY 2016 OCO	FY 2016 Total
	Total Obligation Authority	1.438	15.698	9.422	-	9.422
Total:	Quantity	-	-	-	-	-
Secondary Distribution	Total Obligation Authority	1.438	15.698	9.422	-	9.422

(t) indicates the presence of a P-5a

UNCLASSIFIED

Exhibit P-5a, Procurement History and Planning: PB 2016 Army							Date: February 2015					
Appropriation / Budget Activity / Budget Sub Activity: 2035A / 02 / 32			P-1 Line Item Number / Title: B22603 / Radio Terminal Set, MIDS LVT(2)				Item Number / Title [DODIC]: B22603 / Radio Terminal Set, MIDS LVT(2)					

Cost Elements	O C O	FY	Contractor and Location	Method/Type or Funding Vehicle	Location of PCO	Award Date	Date of First Delivery	Qty <i>(Each)</i>	Unit Cost <i>(\$ K)</i>	Specs Avail Now?	Date Revision Available	RFP Issue Date
Other Hardware - Voice Conv ^(†)		2015	Data Link Solutions (DLS) / Cedar Rapids, IA	C / FFP	SPAWAR, San Diego, CA	Jul 2015	Jul 2016	58	-			
Other Hardware - Voice Conv ^(†)		2015	ViaSat / Carlsbad, CA	C / FFP	SPAWAR, San Diego, CA	Jul 2015	Jul 2016	486	-			
Other Hardware - BU2 ^(†)		2016	TBD / TBD	C / FFP	TBD	Jul 2015	Jun 2016	86	65.000			

^(†) indicates the presence of a P-21

Remarks:
 FY15 buys Voice Conversion Kits at a total quantity of 544 using two vendors.
 FY16 buys BU2 Upgrade Kits

UNCLASSIFIED

Exhibit P-21, Production Schedule: PB 2016 Army															Date: February 2015									
Appropriation / Budget Activity / Budget Sub Activity: 2035A / 02 / 32										P-1 Line Item Number / Title: B22603 / Radio Terminal Set, MIDS LVT(2)										Item Number / Title [DODIC]: B22603 / Radio Terminal Set, MIDS LVT(2)				

Cost Elements <i>(Units in Each)</i>						Fiscal Year 2015												Fiscal Year 2016																		
O C C O	M F R #	FY	SERVICE	PROC QTY	ACCEPT PRIOR TO 1 OCT 2014	BAL DUE AS OF 1 OCT	Calendar Year 2015												Calendar Year 2016																	
							O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	B A L					
Other Hardware - Voice Conv																																				
	1	2015	ARMY (I)	58	-	58												A	-	-	-	-	-	-	-	-	-	-	-	-	-	8	8	7	35	
	2	2015	ARMY (II)	486	-	486												A	-	-	-	-	-	-	-	-	-	-	-	-	-	-	41	41	41	363
Other Hardware - BU2																																				
	3	2016	ARMY (III)	86	-	86												A	-	-	-	-	-	-	-	-	-	-	-	-	-	13	13	13	34	
							O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	B A L					

UNCLASSIFIED

Exhibit P-21, Production Schedule: PB 2016 Army																							Date: February 2015										
Appropriation / Budget Activity / Budget Sub Activity: 2035A / 02 / 32											P-1 Line Item Number / Title: B22603 / Radio Terminal Set, MIDS LVT(2)											Item Number / Title [DODIC]: B22603 / Radio Terminal Set, MIDS LVT(2)											
Cost Elements <i>(Units in Each)</i>						Fiscal Year 2017														Fiscal Year 2018													
O C C O	M F R #	FY	SERVICE	PROC QTY	ACCEPT PRIOR TO 1 OCT 2016	BAL DUE AS OF 1 OCT	Calendar Year 2017														Calendar Year 2018											B A L	
							O C T	N O V	D E C	J A N	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			
Other Hardware - Voice Conv																																	
	1	2015	ARMY (I)	58	23	35	7	7	7	7	7																		-				
	2	2015	ARMY (II)	486	123	363	41	41	41	41	41	41	41	41	35														-				
Other Hardware - BU2																																	
	3	2016	ARMY (III)	86	52	34	13	13	8																				-				
							O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	B A L		

UNCLASSIFIED

Exhibit P-21, Production Schedule: PB 2016 Army		Date: February 2015
Appropriation / Budget Activity / Budget Sub Activity: 2035A / 02 / 32		P-1 Line Item Number / Title: B22603 / Radio Terminal Set, MIDS LVT(2)
		Item Number / Title [DODIC]: B22603 / Radio Terminal Set, MIDS LVT(2)

MFR Ref #	MFR Name - Location	Production Rates (Each / Month)			Procurement Leadtime (Months)							
		MSR For 2016	1-8-5 For 2016	MAX For 2016	Initial			Reorder				
					ALT Prior to Oct 1	ALT After Oct 1	Mfg PLT	Total After Oct 1	ALT Prior to Oct 1	ALT After Oct 1	Mfg PLT	Total After Oct 1
1	Data Link Solutions (DLS) - Cedar Rapids, IA	7	30	56	-	-	8	8	-	-	7	7
2	ViaSat - Carlsbad, CA	10	45	60	-	-	29	29	-	-	28	28
3	TBD - TBD	1	10	30	-	-	-	-	-	-	86	86

"A" in the Delivery Schedule indicates the Contract Award Date.

Note: Due to space limitations, quantities in the Exhibit P-21 delivery calendar are truncated and rounded based on the maximum quantity in the calendar as follows. If the maximum quantity is less than or equal to than 9,999, all quantities are shown as each. If the maximum quantity is between 10,000 and 999,999 all quantities are shown in thousands. If the maximum quantity is between 1,000,000 and 999,999,999 all quantities are shown in millions (rounded to the nearest thousand). If the maximum quantity is equal or greater than 1,000,000,000 all quantities are shown in billions (rounded to the nearest million).

Service/Agency Suffixes:

- (I) DLS
- (II) ViaSat
- (III) BU2

UNCLASSIFIED

Exhibit P-40, Budget Line Item Justification: PB 2016 Army **Date:** February 2015

Appropriation / Budget Activity / Budget Sub Activity: 2035A: Other Procurement, Army / BA 02: Communications and Electronics Equipment / BSA 32: Comm - Combat Communications	P-1 Line Item Number / Title: B19920 / AMC Critical Items - OPA2
---	--

ID Code (A=Service Ready, B=Not Service Ready) :	Program Elements for Code B Items:	Other Related Program Elements:
---	---	--

Resource Summary	Prior Years	FY 2014	FY 2015	FY 2016 Base	FY 2016 OCO	FY 2016 Total	FY 2017	FY 2018	FY 2019	FY 2020	To Complete	Total
Procurement Quantity <i>(Units in Each)</i>	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Cost <i>(\$ in Millions)</i>	100.254	-	22.099	26.020	-	26.020	21.253	5.095	-	-	-	174.721
Less PY Advance Procurement <i>(\$ in Millions)</i>	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P1) <i>(\$ in Millions)</i>	100.254	-	22.099	26.020	-	26.020	21.253	5.095	-	-	-	174.721
Plus CY Advance Procurement <i>(\$ in Millions)</i>	-	-	-	-	-	-	-	-	-	-	-	-
Total Obligation Authority <i>(\$ in Millions)</i>	100.254	-	22.099	26.020	-	26.020	21.253	5.095	-	-	-	174.721

(The following Resource Summary rows are for informational purposes only. The corresponding budget requests are documented elsewhere.)

Initial Spares <i>(\$ in Millions)</i>	-	-	-	-	-	-	-	-	-	-	-	-
Flyaway Unit Cost <i>(\$ in Thousands)</i>	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Unit Cost <i>(\$ in Thousands)</i>	-	-	-	5.187	-	5.187	-	-	-	-	-	-

Description:

The AMC Critical Items Program oversees the process by which Class II and VII end items that are out of production and, consequently, now under AMC management, are re-procured to fill shortages. The program supports major end-item (weapon system) inventory management through item managers. The program requirements represent actual and projected equipment deficiencies and do not include obsolete items or items replaced by modernized successors managed by G8.

The Army Materiel Command (AMC) identifies Table of Organizational Equipment (TOE) items with identifiable line item numbers (LINs) that have valid unit requirements and support Army force generation requirements. These LINs are in the sustainment phase of their life cycle and are no longer being acquired by the Army. In some cases there is a production base because of commercial, Foreign Military Sales (FMS) or other service demands. The Army prioritizes these items and determines that the systems requested herein are key to supporting current operations.

LIN H01907: The AN/ASM-146 Repair Shelter is an air transportable, mobile field maintenance facility that provides repair capability at the BCT level for all Communications-Electronics (C-E) systems and equipment and is critical to maintaining C-E readiness in the battlefield.

LIN P40750: Power Supply PP-6224, LIN P40750 is a power supply that furnishes 0-25 amperes over a voltage range of 24 to 32 Vdc from nominal 115/230 VAC at 50, 60 or 400 Hz single phase. The power supply can also operate from a 24 Vdc storage battery in the battery standby mode. It is the Army standard tactical 24V DC power source for C-E equipment in Tactical Operations Centers (TOCs) as well as equipment dismounted from vehicles.

	Secondary Distribution	FY 2014	FY 2015	FY 2016 Base	FY 2016 OCO	FY 2016 Total	FY 2017	FY 2018	FY 2019	FY 2020
Army	Quantity	-	-	-	-	-	-	-	-	-
	Total Obligation Authority	-	6.046	6.284	-	6.284	-	2.385	-	-
ANG	Quantity	-	-	-	-	-	-	-	-	-

UNCLASSIFIED

Exhibit P-40, Budget Line Item Justification: PB 2016 Army **Date:** February 2015

Appropriation / Budget Activity / Budget Sub Activity: 2035A: Other Procurement, Army / BA 02: Communications and Electronics Equipment / BSA 32: Comm - Combat Communications	P-1 Line Item Number / Title: B19920 / AMC Critical Items - OPA2
---	--

ID Code (A=Service Ready, B=Not Service Ready) :		Program Elements for Code B Items:				Other Related Program Elements:			
Secondary Distribution	FY 2014	FY 2015	FY 2016 Base	FY 2016 OCO	FY 2016 Total	FY 2017	FY 2018	FY 2019	FY 2020
Total Obligation Authority	-	12.446	13.867	-	13.867	16.125	2.200	-	-
AR									
Quantity	-	-	-	-	-	-	-	-	-
Total Obligation Authority	-	3.607	5.869	-	5.869	5.128	0.510	-	-
Total:									
Secondary Distribution									
Quantity	-	-	-	-	-	-	-	-	-
Total Obligation Authority	-	22.099	26.020	-	26.020	21.253	5.095	-	-

UNCLASSIFIED

Exhibit P-40, Budget Line Item Justification: PB 2016 Army **Date:** February 2015

Appropriation / Budget Activity / Budget Sub Activity: 2035A: Other Procurement, Army / BA 02: Communications and Electronics Equipment / BSA 32: Comm - Combat Communications	P-1 Line Item Number / Title: B19920 / AMC Critical Items - OPA2
---	--

ID Code (A=Service Ready, B=Not Service Ready) :			Program Elements for Code B Items:			Other Related Program Elements:		
Exhibits Schedule			Prior Years	FY 2014	FY 2015	FY 2016 Base	FY 2016 OCO	FY 2016 Total
Title*	Exhibits	ID CD	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)
B19920 / AMC Critical Items - OPA2	P-5, P-5a, P-21		- / 100.254	- / -	- / 22.099	- / 26.020	- / -	- / 26.020
Total Gross/Weapon System Cost			- / 100.254	- / -	- / 22.099	- / 26.020	- / -	- / 26.020

*Title represents 1) the Number / Title for Items; 2) the Number / Title [DODIC] for Ammunition; and/or 3) the Number / Title (Modification Type) for Modifications.
 Note: Totals in this Exhibit P-40 set may not be exact or add due to rounding.

Justification:
 FY 2016 Base procurement dollars in the amount of \$26.020 Million supports the following efforts.

Electronic Shop Shelter H01907: FY 2016 Base procurement funding in the amount of \$8.391 million will support the program management through acquisition of 50 ea each AN/ASM-146 LIN H01907 systems to include program management and organic support. Funding supports a balanced investment strategy for the Army's approved force structure and Army Force Generation (ARFORGEN) requirements. This critical system has substantial shortages, which have resulted in 20% of BCTs deploying without full authorizations. Shortages of these systems will degrade the readiness of Command, Control, Communications, Computers and Sensors Systems, thereby placing warfighter lives in jeopardy. ERC-A systems are primary weapon systems which are essential in accomplishing the operation mission.

Power Supply P40750: FY 2016 Base procurement funding in the amount of \$17.629 million is required for the acquisition of 4,962 each Power Supply, PP-6224 LIN P40750. Funding supports both acquisition and program management to include engineering support for new production contract effort. A substantial shortage of this item is degrading readiness of systems requiring 24V DC power. Due to Modified Table of Equipment (MTOE) shortages of 58%, this equipment is ranked as #2 on DA's Readiness list. The inability to provide sufficient quantities of this item will degrade DOD readiness by hindering battlefield communications.

Economy of scale procurement and evolving critical requirements could affect quantity planned.

IAW Section 1815 of the FY 2008 National Defense Authorization Act (P.L. 110-181), these items are necessary for use by the active components and reserve components of the Armed Forces for homeland defense missions, domestic emergency responses, and providing military support to civil authorities.

UNCLASSIFIED

Exhibit P-5, Cost Analysis: PB 2016 Army					Date: February 2015		
Appropriation / Budget Activity / Budget Sub Activity: 2035A / 02 / 32		P-1 Line Item Number / Title: B19920 / AMC Critical Items - OPA2			Item Number / Title [DODIC]: B19920 / AMC Critical Items - OPA2		
ID Code (A=Service Ready, B=Not Service Ready) :				MDAP/MAIS Code:			
Resource Summary		Prior Years	FY 2014	FY 2015	FY 2016 Base	FY 2016 OCO	FY 2016 Total
Procurement Quantity (Units in Each)		-	-	-	-	-	-
Gross/Weapon System Cost (\$ in Millions)		100.254	-	22.099	26.020	-	26.020
Less PY Advance Procurement (\$ in Millions)		-	-	-	-	-	-
Net Procurement (P1) (\$ in Millions)		100.254	-	22.099	26.020	-	26.020
Plus CY Advance Procurement (\$ in Millions)		-	-	-	-	-	-
Total Obligation Authority (\$ in Millions)		100.254	-	22.099	26.020	-	26.020
<i>(The following Resource Summary rows are for informational purposes only. The corresponding budget requests are documented elsewhere.)</i>							
Initial Spares (\$ in Millions)		-	-	-	-	-	-
Gross/Weapon System Unit Cost (\$ in Thousands)		-	-	-	5.187	-	5.187

Note: Subtotals or Totals in this Exhibit P-5 may not be exact or add, due to rounding.

Cost Elements	Prior Years			FY 2014			FY 2015			FY 2016 Base			FY 2016 OCO			FY 2016 Total		
	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)
Flyaway Cost																		
Recurring Cost																		
Elect Shop Shelter (AN-ASM 146) (H01907) ^(†)	655.255	153	100.254	-	-	-	0.108	111	0.012	167.820	50	8.391	-	-	-	167.820	50	8.391
Power Supply (PP-6224/U) (P40750) ^(†)	-	-	-	-	-	-	7.525	2,935	22.087	3.553	4,962	17.629	-	-	-	3.553	4,962	17.629
<i>Subtotal: Recurring Cost</i>	-	-	100.254	-	-	-	-	-	22.098	-	-	26.021	-	-	-	-	-	26.021
<i>Subtotal: Flyaway Cost</i>	-	-	100.254	-	-	-	-	-	22.098	-	-	26.021	-	-	-	-	-	26.021
Gross/Weapon System Cost	-	-	100.254	-	-	-	-	-	22.099	5.187	-	26.020	-	-	-	5.187	-	26.020

Secondary Distribution		FY 2014	FY 2015	FY 2016 Base	FY 2016 OCO	FY 2016 Total
Army	Quantity	-	-	-	-	-
	Total Obligation Authority	-	6.046	6.284	-	6.284
ANG	Quantity	-	-	-	-	-
	Total Obligation Authority	-	12.446	13.867	-	13.867
AR	Quantity	-	-	-	-	-
	Total Obligation Authority	-	3.607	5.869	-	5.869
Total:	Quantity	-	-	-	-	-

UNCLASSIFIED

Exhibit P-5, Cost Analysis: PB 2016 Army			Date: February 2015			
Appropriation / Budget Activity / Budget Sub Activity: 2035A / 02 / 32		P-1 Line Item Number / Title: B19920 / AMC Critical Items - OPA2		Item Number / Title [DODIC]: B19920 / AMC Critical Items - OPA2		
ID Code (A=Service Ready, B=Not Service Ready) :			MDAP/MAIS Code:			
Secondary Distribution		FY 2014	FY 2015	FY 2016 Base	FY 2016 OCO	FY 2016 Total
Secondary Distribution	Total Obligation Authority	-	22.099	26.020	-	26.020

(t) indicates the presence of a P-5a

UNCLASSIFIED

Exhibit P-5a, Procurement History and Planning: PB 2016 Army **Date:** February 2015

Appropriation / Budget Activity / Budget Sub Activity: 2035A / 02 / 32	P-1 Line Item Number / Title: B19920 / AMC Critical Items - OPA2	Item Number / Title [DODIC]: B19920 / AMC Critical Items - OPA2
--	--	---

Cost Elements	O C O	FY	Contractor and Location	Method/Type or Funding Vehicle	Location of PCO	Award Date	Date of First Delivery	Qty <i>(Each)</i>	Unit Cost <i>(\$ K)</i>	Specs Avail Now?	Date Revision Available	RFP Issue Date
Elect Shop Shelter (AN-ASM 146) (H01907) ^(†)		2013	Tobyhanna / Tobyhanna, PA	PO	TYAD	Apr 2013	Sep 2013	153	0.166			
Elect Shop Shelter (AN-ASM 146) (H01907) ^(†)		2015	TBS / TBS	PO	TBS	Feb 2015	Jun 2015	111	0.108			
Elect Shop Shelter (AN-ASM 146) (H01907) ^(†)		2016	TBS / TBS	PO	TBS	Jan 2016	May 2016	50	167.820			
Power Supply (PP-6224/U) (P40750) ^(†)		2015	TBS / TBS	C / IDIQ	TBD	Jun 2015	Jul 2016	2,935	7.525			
Power Supply (PP-6224/U) (P40750) ^(†)		2016	TBS / TBS	C / IDIQ	TBD	Jun 2016	Nov 2016	4,962	3.553			

^(†) indicates the presence of a P-21

UNCLASSIFIED

Exhibit P-21, Production Schedule: PB 2016 Army **Date:** February 2015

Appropriation / Budget Activity / Budget Sub Activity: 2035A / 02 / 32	P-1 Line Item Number / Title: B19920 / AMC Critical Items - OPA2	Item Number / Title [DODIC]: B19920 / AMC Critical Items - OPA2
--	--	---

Cost Elements <i>(Units in Each)</i>						Fiscal Year 2013												Fiscal Year 2014													
O C C #	M F R #	FY	SERVICE	PROC QTY	ACCEPT PRIOR TO 1 OCT 2012	BAL DUE AS OF 1 OCT	Calendar Year 2013												Calendar Year 2014												
							O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	B A L
Elect Shop Shelter (AN-ASM 146) (H01907)																															
	2	2013	ARMY	153	-	153																									
	1	2015	ARMY	111	-	111																									
	1	2016	ARMY	50	-	50																									
Power Supply (PP-6224/U) (P40750)																															
	3	2015	ARMY	2,935	-	2,935																									
	3	2016	ARMY	4,962	-	4,962																									
							O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	B A L

UNCLASSIFIED

Exhibit P-21, Production Schedule: PB 2016 Army **Date:** February 2015

Appropriation / Budget Activity / Budget Sub Activity: 2035A / 02 / 32	P-1 Line Item Number / Title: B19920 / AMC Critical Items - OPA2	Item Number / Title [DODIC]: B19920 / AMC Critical Items - OPA2
--	--	---

Cost Elements <i>(Units in Each)</i>						Fiscal Year 2015												Fiscal Year 2016													
O C C #	M F R #	FY	SERVICE	PROC QTY	ACCEPT PRIOR TO 1 OCT 2014	BAL DUE AS OF 1 OCT	Calendar Year 2015												Calendar Year 2016												B A L
							O C T	N O V	D E C	J A N	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	
Elect Shop Shelter (AN-ASM 146) (H01907)																															
	2	2013	ARMY	153	153	-																									
	1	2015	ARMY	111	-	111									10	11	10	11	10	11	10	11	10	11	10	11	6				
	1	2016	ARMY	50	-	50																									
Power Supply (PP-6224/U) (P40750)																															
	3	2015	ARMY	2,935	-	2,935									A -	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
	3	2016	ARMY	4,962	-	4,962																									
							O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	B A L

UNCLASSIFIED

Exhibit P-21, Production Schedule: PB 2016 Army **Date:** February 2015

Appropriation / Budget Activity / Budget Sub Activity: 2035A / 02 / 32	P-1 Line Item Number / Title: B19920 / AMC Critical Items - OPA2	Item Number / Title [DODIC]: B19920 / AMC Critical Items - OPA2
--	--	---

Cost Elements <i>(Units in Each)</i>					Fiscal Year 2017													Fiscal Year 2018														
O C C O	M F R #	FY	SERVICE	PROC QTY	ACCEPT PRIOR TO 1 OCT 2016	BAL DUE AS OF 1 OCT	Calendar Year 2017													Calendar Year 2018												
							O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	B A L	
Elect Shop Shelter (AN-ASM 146) (H01907)																																
	2	2013	ARMY	153	153	-																										
	1	2015	ARMY	111	111	-																										
	1	2016	ARMY	50	50	-																										
Power Supply (PP-6224/U) (P40750)																																
	3	2015	ARMY	2,935	450	2,485	400	400	400	400	400	400	85																			
	3	2016	ARMY	4,962	-	4,962	-	200	200	200	200	200	515	600	600	600	600	600	447													
							O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	B A L	

UNCLASSIFIED

Exhibit P-21, Production Schedule: PB 2016 Army	Date: February 2015
--	----------------------------

Appropriation / Budget Activity / Budget Sub Activity: 2035A / 02 / 32	P-1 Line Item Number / Title: B19920 / AMC Critical Items - OPA2	Item Number / Title [DODIC]: B19920 / AMC Critical Items - OPA2
--	--	---

MFR Ref #	MFR Name - Location	Production Rates (Each / Month)			Procurement Leadtime (Months)							
		MSR For 2016	1-8-5 For 2016	MAX For 2016	Initial				Reorder			
					ALT Prior to Oct 1	ALT After Oct 1	Mfg PLT	Total After Oct 1	ALT Prior to Oct 1	ALT After Oct 1	Mfg PLT	Total After Oct 1
1	TBS - TBS	1	15	25	-	1	3	4	-	-	-	-
2	Tobyhanna - Tobyhanna, PA	1	15	25	-	10	1	11	-	-	-	-
3	TBS - TBS	10	500	750	-	5	5	10	-	-	-	-

"A" in the Delivery Schedule indicates the Contract Award Date.

Note: Due to space limitations, quantities in the Exhibit P-21 delivery calendar are truncated and rounded based on the maximum quantity in the calendar as follows. If the maximum quantity is less than or equal to than 9,999, all quantities are shown as each. If the maximum quantity is between 10,000 and 999,999 all quantities are shown in thousands. If the maximum quantity is between 1,000,000 and 999,999,999 all quantities are shown in millions (rounded to the nearest thousand). If the maximum quantity is equal or greater than 1,000,000,000 all quantities are shown in billions (rounded to the nearest million).

UNCLASSIFIED

Exhibit P-40, Budget Line Item Justification: PB 2016 Army **Date:** February 2015

Appropriation / Budget Activity / Budget Sub Activity: 2035A: Other Procurement, Army / BA 02: Communications and Electronics Equipment / BSA 32: Comm - Combat Communications	P-1 Line Item Number / Title: BC3000 / TRACTOR DESK
---	---

ID Code (A=Service Ready, B=Not Service Ready) :	Program Elements for Code B Items:						Other Related Program Elements:					
Resource Summary	Prior Years	FY 2014	FY 2015	FY 2016 Base	FY 2016 OCO	FY 2016 Total	FY 2017	FY 2018	FY 2019	FY 2020	To Complete	Total
Procurement Quantity (Units in Each)	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Cost (\$ in Millions)	79.782	6.271	3.724	4.073	-	4.073	3.123	3.121	3.336	6.210	Continuing	Continuing
Less PY Advance Procurement (\$ in Millions)	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P1) (\$ in Millions)	79.782	6.271	3.724	4.073	-	4.073	3.123	3.121	3.336	6.210	Continuing	Continuing
Plus CY Advance Procurement (\$ in Millions)	-	-	-	-	-	-	-	-	-	-	-	-
Total Obligation Authority (\$ in Millions)	79.782	6.271	3.724	4.073	-	4.073	3.123	3.121	3.336	6.210	Continuing	Continuing
<i>(The following Resource Summary rows are for informational purposes only. The corresponding budget requests are documented elsewhere.)</i>												
Initial Spares (\$ in Millions)	-	-	-	-	-	-	-	-	-	-	-	-
Flyaway Unit Cost (\$ in Thousands)	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Unit Cost (\$ in Thousands)	-	-	-	-	-	-	-	-	-	-	-	-

Description:

The details for this program are reported in accordance with Title 10, United States Code, Section 119(a)(1)."

Secondary Distribution	FY 2014	FY 2015	FY 2016 Base	FY 2016 OCO	FY 2016 Total	FY 2017	FY 2018	FY 2019	FY 2020
Army									
Quantity	-	-	-	-	-	-	-	-	-
Total Obligation Authority	6.271	3.724	4.073	-	4.073	3.123	3.121	3.336	6.210
Total: Secondary Distribution									
Quantity	-	-	-	-	-	-	-	-	-
Total Obligation Authority	6.271	3.724	4.073	-	4.073	3.123	3.121	3.336	6.210

UNCLASSIFIED

Exhibit P-40, Budget Line Item Justification: PB 2016 Army **Date:** February 2015

Appropriation / Budget Activity / Budget Sub Activity: 2035A: Other Procurement, Army / BA 02: Communications and Electronics Equipment / BSA 32: Comm - Combat Communications	P-1 Line Item Number / Title: B55501 / SPIDER APLA Remote Control Unit
---	--

ID Code (A=Service Ready, B=Not Service Ready) : A		Program Elements for Code B Items:					Other Related Program Elements:					
Resource Summary	Prior Years	FY 2014	FY 2015	FY 2016 Base	FY 2016 OCO	FY 2016 Total	FY 2017	FY 2018	FY 2019	FY 2020	To Complete	Total
Procurement Quantity (Units in Each)	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Cost (\$ in Millions)	140.596	-	0.969	1.403	-	1.403	-	-	-	-	-	142.968
Less PY Advance Procurement (\$ in Millions)	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P1) (\$ in Millions)	140.596	-	0.969	1.403	-	1.403	-	-	-	-	-	142.968
Plus CY Advance Procurement (\$ in Millions)	-	-	-	-	-	-	-	-	-	-	-	-
Total Obligation Authority (\$ in Millions)	140.596	-	0.969	1.403	-	1.403	-	-	-	-	-	142.968

(The following Resource Summary rows are for informational purposes only. The corresponding budget requests are documented elsewhere.)

Initial Spares (\$ in Millions)	-	-	-	-	-	-	-	-	-	-	-	-
Flyaway Unit Cost (\$ in Thousands)	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Unit Cost (\$ in Thousands)	-	-	-	-	-	-	-	-	-	-	-	-

Description:

The Spider is a hand emplaced, remotely controlled, anti-personnel munition system that was designed to replace the capability of the persistent anti-personnel landmines banned from use after December 2010 per US Landmine policy. Spider, as a Man-in-the-Loop system, offers numerous capabilities for asymmetric warfare focusing on small unit force protection. The system is made up of 4 subsystems: Man-in-the-Loop (the human operator), Remote Control Station (the system command and control station), Repeater (a communication link to the munitions that provides extended range), and Munition Control Units (delivers anti-personnel effects). The Spider is designed to mitigate the indiscriminate initiation of the lethal mechanism. A Soldier makes a conscious decision to engage a target with the lethal mechanism. Spider's sensor capabilities and controlled munitions provide needed force protection and battlefield shaping. Spider allows measured and graduated responses including sense only, non lethal, and lethal modes. Spider also supports net-centric operations by feeding situational awareness information (location and status) into the Battle Command System. The Spider system with its many desirable features makes it a versatile weapon system that has significant utility across the full spectrum of military operations and will support current and future operations. This item is Code A, approved for service use. Type Classification Standard and Full Material Release were achieved in July and September 2013 respectively. The Spider AAO is 736 systems.

Secondary Distribution		FY 2014	FY 2015	FY 2016 Base	FY 2016 OCO	FY 2016 Total	FY 2017	FY 2018	FY 2019	FY 2020
Army	Quantity	-	-	-	-	-	-	-	-	-
	Total Obligation Authority	-	0.969	1.403	-	1.403	-	-	-	-
Total: Secondary Distribution	Quantity	-	-	-	-	-	-	-	-	-
	Total Obligation Authority	-	0.969	1.403	-	1.403	-	-	-	-

UNCLASSIFIED

Exhibit P-40, Budget Line Item Justification: PB 2016 Army **Date:** February 2015

Appropriation / Budget Activity / Budget Sub Activity: 2035A: Other Procurement, Army / BA 02: Communications and Electronics Equipment / BSA 32: Comm - Combat Communications	P-1 Line Item Number / Title: B55501 / SPIDER APLA Remote Control Unit
---	--

ID Code (A=Service Ready, B=Not Service Ready) : A			Program Elements for Code B Items:			Other Related Program Elements:		
Exhibits Schedule			Prior Years	FY 2014	FY 2015	FY 2016 Base	FY 2016 OCO	FY 2016 Total
Title*	Exhibits	ID CD	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)
B55501 / SPIDER APLA Remote Control Unit	P-5	A	- / 140.596	- / -	- / 0.969	- / 1.403	- / -	- / 1.403
Total Gross/Weapon System Cost			- / 140.596	- / -	- / 0.969	- / 1.403	- / -	- / 1.403

*Title represents 1) the Number / Title for Items; 2) the Number / Title [DODIC] for Ammunition; and/or 3) the Number / Title (Modification Type) for Modifications.

Note: Totals in this Exhibit P-40 set may not be exact or add due to rounding.

Justification:
 FY 2016 Base procurement dollars in the amount of \$1.403 million supports the Spider Increment 1 New Equipment Training (NET) team and provides fielding/logistical support for 25 fielding events to the Active Army and National Guard.
 In accordance with Section 1815 of the FY 2008 National Defense Authorization Act (P.L.110-181), this item is necessary for use by the active and reserve components of the Armed Forces for homeland defense missions, domestic emergency responses, and providing military support to civil authorities.

UNCLASSIFIED

Exhibit P-5, Cost Analysis: PB 2016 Army		Date: February 2015
Appropriation / Budget Activity / Budget Sub Activity: 2035A / 02 / 32	P-1 Line Item Number / Title: B55501 / SPIDER APLA Remote Control Unit	Item Number / Title [DODIC]: B55501 / SPIDER APLA Remote Control Unit

ID Code (A=Service Ready, B=Not Service Ready) : A	MDAP/MAIS Code:
---	------------------------

Resource Summary	Prior Years	FY 2014	FY 2015	FY 2016 Base	FY 2016 OCO	FY 2016 Total
Procurement Quantity (Units in Each)	-	-	-	-	-	-
Gross/Weapon System Cost (\$ in Millions)	140.596	-	0.969	1.403	-	1.403
Less PY Advance Procurement (\$ in Millions)	-	-	-	-	-	-
Net Procurement (P1) (\$ in Millions)	140.596	-	0.969	1.403	-	1.403
Plus CY Advance Procurement (\$ in Millions)	-	-	-	-	-	-
Total Obligation Authority (\$ in Millions)	140.596	-	0.969	1.403	-	1.403

(The following Resource Summary rows are for informational purposes only. The corresponding budget requests are documented elsewhere.)

Initial Spares (\$ in Millions)	-	-	-	-	-	-
Gross/Weapon System Unit Cost (\$ in Thousands)	-	-	-	-	-	-

Note: Subtotals or Totals in this Exhibit P-5 may not be exact or add, due to rounding.

Cost Elements	Prior Years			FY 2014			FY 2015			FY 2016 Base			FY 2016 OCO			FY 2016 Total		
	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)
Flyaway Cost																		
Recurring Cost																		
Spider System	87.088	998	86.914	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Initial Issue Spares	17.127	220	3.768	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Production Engineering (Govt)	-	-	21.780	-	-	-	-	0.559	-	-	-	-	-	-	-	-	-	-
Other Government Agency	-	-	6.556	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
New Equipment Training (NET)	-	-	-	-	-	-	-	0.382	-	-	0.800	-	-	-	-	-	-	0.800
Contractor Logistical Support - CONUS	-	-	-	-	-	-	-	0.028	-	-	0.603	-	-	-	-	-	-	0.603
CECOM	-	-	0.547	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Product Improvements/ Updates	-	-	7.657	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Follow-On Testing	-	-	7.428	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
System Integration	-	-	4.446	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
First Article Test	-	-	0.500	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
TDP Level 3 Contract	-	-	1.000	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Subtotal: Recurring Cost	-	-	140.596	-	-	-	-	0.969	-	-	1.403	-	-	-	-	-	-	1.403
Subtotal: Flyaway Cost	-	-	140.596	-	-	-	-	0.969	-	-	1.403	-	-	-	-	-	-	1.403

UNCLASSIFIED

Exhibit P-5, Cost Analysis: PB 2016 Army		Date: February 2015
Appropriation / Budget Activity / Budget Sub Activity: 2035A / 02 / 32	P-1 Line Item Number / Title: B55501 / SPIDER APLA Remote Control Unit	Item Number / Title [DODIC]: B55501 / SPIDER APLA Remote Control Unit
ID Code (A=Service Ready, B=Not Service Ready) : A		MDAP/MAIS Code:

Note: Subtotals or Totals in this Exhibit P-5 may not be exact or add, due to rounding.

Cost Elements	Prior Years			FY 2014			FY 2015			FY 2016 Base			FY 2016 OCO			FY 2016 Total		
	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)
Gross/Weapon System Cost	-	-	140.596	-	-	-	-	-	0.969	-	-	1.403	-	-	-	-	-	1.403

Secondary Distribution		FY 2014	FY 2015	FY 2016 Base	FY 2016 OCO	FY 2016 Total
Army	Quantity	-	-	-	-	-
	Total Obligation Authority	-	0.969	1.403	-	1.403
Total: Secondary Distribution	Quantity	-	-	-	-	-
	Total Obligation Authority	-	0.969	1.403	-	1.403

UNCLASSIFIED

Exhibit P-40, Budget Line Item Justification: PB 2016 Army **Date:** February 2015

Appropriation / Budget Activity / Budget Sub Activity: 2035A: Other Procurement, Army / BA 02: Communications and Electronics Equipment / BSA 32: Comm - Combat Communications	P-1 Line Item Number / Title: B54020 / Spider Family of Networked Munitions Incr
---	--

ID Code (A=Service Ready, B=Not Service Ready) : A	Program Elements for Code B Items:	Other Related Program Elements: 0604808A
---	---	---

Resource Summary	Prior Years	FY 2014	FY 2015	FY 2016 Base	FY 2016 OCO	FY 2016 Total	FY 2017	FY 2018	FY 2019	FY 2020	To Complete	Total
Procurement Quantity <i>(Units in Each)</i>	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Cost <i>(\$ in Millions)</i>	-	-	-	9.199	-	9.199	10.236	10.297	9.098	8.425	-	47.255
Less PY Advance Procurement <i>(\$ in Millions)</i>	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P1) <i>(\$ in Millions)</i>	-	-	-	9.199	-	9.199	10.236	10.297	9.098	8.425	-	47.255
Plus CY Advance Procurement <i>(\$ in Millions)</i>	-	-	-	-	-	-	-	-	-	-	-	-
Total Obligation Authority <i>(\$ in Millions)</i>	-	-	-	9.199	-	9.199	10.236	10.297	9.098	8.425	-	47.255

(The following Resource Summary rows are for informational purposes only. The corresponding budget requests are documented elsewhere.)

Initial Spares <i>(\$ in Millions)</i>	-	-	-	-	-	-	-	-	-	-	-	-
Flyaway Unit Cost <i>(\$ in Thousands)</i>	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Unit Cost <i>(\$ in Thousands)</i>	-	-	-	103.360	-	103.360	-	-	-	-	-	-

Description:

XM7 Spider is a hand emplaced, remotely controlled, Man-In-The-Loop (MITL) anti-personnel munition system that is currently being fielded. Spider Increment 1A utilizes an evolutionary acquisition approach which builds upon the baseline Spider Increment 1 system. Spider Increment 1A will 1) replace the Spider Increment 1 Remote Control Unit (RCU) with a new Networked Munitions Control Station that includes mapping capability, seamless interoperability to the Mission Command System (MCS) or Joint Battle Command Platform (JBC-P) and new technologies, 2) control current Spider AP munitions and 3) demonstrate the initiation of legacy GOTS AV (lethal) and AP (lethal and non-lethal) effects. All other XM7 Spider Increment 1 components (i.e. Control Station Transceiver (CST), Munition Control Units (MCUs)) will remain as is to ensure backwards compatibility. The Spider system with its many desirable features makes it a versatile weapon system that has significant utility across the full spectrum of military operations and will support current and future operations. The Spider Increment 1A Army Procurement Objective is 321 systems and the overall Spider program has an Approved Acquisition Objective (AAO) of 736 systems.

	Secondary Distribution	FY 2014	FY 2015	FY 2016 Base	FY 2016 OCO	FY 2016 Total	FY 2017	FY 2018	FY 2019	FY 2020
Army	Quantity	-	-	-	-	-	-	-	-	-
	Total Obligation Authority	-	-	9.199	-	9.199	10.236	10.297	4.598	-
ANG	Quantity	-	-	-	-	-	-	-	-	-
	Total Obligation Authority	-	-	-	-	-	-	-	4.500	8.425
Total:	Quantity	-	-	-	-	-	-	-	-	-
Secondary Distribution	Total Obligation Authority	-	-	9.199	-	9.199	10.236	10.297	9.098	8.425

UNCLASSIFIED

Exhibit P-40, Budget Line Item Justification: PB 2016 Army **Date:** February 2015

Appropriation / Budget Activity / Budget Sub Activity: 2035A: Other Procurement, Army / BA 02: Communications and Electronics Equipment / BSA 32: Comm - Combat Communications	P-1 Line Item Number / Title: B54020 / Spider Family of Networked Munitions Incr
---	--

ID Code (A=Service Ready, B=Not Service Ready) : A **Program Elements for Code B Items:** **Other Related Program Elements:** 0604808A

Exhibits Schedule			Prior Years	FY 2014	FY 2015	FY 2016 Base	FY 2016 OCO	FY 2016 Total
Title*	Exhibits	ID CD	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)
B54020 / Spider Family of Networked Munitions Incr	P-5, P-5a, P-21	A	- / -	- / -	- / -	- / 9.199	- / -	- / 9.199
Total Gross/Weapon System Cost			- / -	- / -	- / -	- / 9.199	- / -	- / 9.199

*Title represents 1) the Number / Title for Items; 2) the Number / Title [DODIC] for Ammunition; and/or 3) the Number / Title (Modification Type) for Modifications.

Note: Totals in this Exhibit P-40 set may not be exact or add due to rounding.

Justification:
 FY 2016 Base procurement dollars in the amount of \$9.199 million supports the procurement of 89 Spider Increment 1A systems.

In accordance with Section 1815 of the FY 2008 National Defense Authorization Act (P.L.110-181), this item is necessary for use by the active and reserve components of the Armed Forces for homeland defense missions, domestic emergency responses, and providing military support to civil authorities.

UNCLASSIFIED

Exhibit P-5, Cost Analysis: PB 2016 Army		Date: February 2015
Appropriation / Budget Activity / Budget Sub Activity: 2035A / 02 / 32	P-1 Line Item Number / Title: B54020 / Spider Family of Networked Munitions Incr	Item Number / Title [DODIC]: B54020 / Spider Family of Networked Munitions Incr

ID Code (A=Service Ready, B=Not Service Ready) : A	MDAP/MAIS Code:
---	------------------------

Resource Summary	Prior Years	FY 2014	FY 2015	FY 2016 Base	FY 2016 OCO	FY 2016 Total
Procurement Quantity (Units in Each)	-	-	-	-	-	-
Gross/Weapon System Cost (\$ in Millions)	-	-	-	9.199	-	9.199
Less PY Advance Procurement (\$ in Millions)	-	-	-	-	-	-
Net Procurement (P1) (\$ in Millions)	-	-	-	9.199	-	9.199
Plus CY Advance Procurement (\$ in Millions)	-	-	-	-	-	-
Total Obligation Authority (\$ in Millions)	-	-	-	9.199	-	9.199

(The following Resource Summary rows are for informational purposes only. The corresponding budget requests are documented elsewhere.)

Initial Spares (\$ in Millions)	-	-	-	-	-	-
Gross/Weapon System Unit Cost (\$ in Thousands)	-	-	-	103.360	-	103.360

Note: Subtotals or Totals in this Exhibit P-5 may not be exact or add, due to rounding.

Cost Elements	Prior Years			FY 2014			FY 2015			FY 2016 Base			FY 2016 OCO			FY 2016 Total		
	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)
Flyaway Cost																		
Recurring Cost																		
Spider System ^(†)	-	-	-	-	-	-	-	-	-	47.040	89	4.187	-	-	-	47.040	89	4.187
Initial Issue Spares	-	-	-	-	-	-	-	-	-	-	-	0.345	-	-	-	-	-	0.345
Production Engineering (Govt)	-	-	-	-	-	-	-	-	-	-	-	2.619	-	-	-	-	-	2.619
Engineering Change Order (ECO)	-	-	-	-	-	-	-	-	-	-	-	0.107	-	-	-	-	-	0.107
Testing	-	-	-	-	-	-	-	-	-	-	-	0.592	-	-	-	-	-	0.592
Facilitization	-	-	-	-	-	-	-	-	-	-	-	1.349	-	-	-	-	-	1.349
<i>Subtotal: Recurring Cost</i>	-	-	-	-	-	-	-	-	-	-	-	9.199	-	-	-	-	-	9.199
<i>Subtotal: Flyaway Cost</i>	-	-	-	-	-	-	-	-	-	-	-	9.199	-	-	-	-	-	9.199
Gross/Weapon System Cost	-	-	-	-	-	-	-	-	-	103.360	-	9.199	-	-	-	103.360	-	9.199

Secondary Distribution		FY 2014	FY 2015	FY 2016 Base	FY 2016 OCO	FY 2016 Total
Army	Quantity	-	-	-	-	-
	Total Obligation Authority	-	-	9.199	-	9.199
Total:	Quantity	-	-	-	-	-
Secondary Distribution	Total Obligation Authority	-	-	9.199	-	9.199

UNCLASSIFIED

Exhibit P-5, Cost Analysis: PB 2016 Army		Date: February 2015
Appropriation / Budget Activity / Budget Sub Activity: 2035A / 02 / 32	P-1 Line Item Number / Title: B54020 / Spider Family of Networked Munitions Incr	Item Number / Title [DODIC]: B54020 / Spider Family of Networked Munitions Incr
ID Code (A=Service Ready, B=Not Service Ready) : A	MDAP/MAIS Code:	
^(†) indicates the presence of a P-5a		

UNCLASSIFIED

Exhibit P-5a, Procurement History and Planning: PB 2016 Army							Date: February 2015					
Appropriation / Budget Activity / Budget Sub Activity: 2035A / 02 / 32			P-1 Line Item Number / Title: B54020 / Spider Family of Networked Munitions Incr				Item Number / Title [DODIC]: B54020 / Spider Family of Networked Munitions Incr					
Cost Elements	O C O	FY	Contractor and Location	Method/Type or Funding Vehicle	Location of PCO	Award Date	Date of First Delivery	Qty (Each)	Unit Cost (\$ K)	Specs Avail Now?	Date Revision Available	RFP Issue Date
Spider System ^(†)		2016	Northrop Grumman / Redando Beach	C / FFP	Picatiny Arsenal, NJ	Jun 2016	Mar 2017	89	47.040			

^(†) indicates the presence of a P-21

Remarks:
FY16 LRIP will be let on EMD contract option with Northrop Grumman.

UNCLASSIFIED

Exhibit P-21, Production Schedule: PB 2016 Army															Date: February 2015														
Appropriation / Budget Activity / Budget Sub Activity: 2035A / 02 / 32										P-1 Line Item Number / Title: B54020 / Spider Family of Networked Munitions Incr										Item Number / Title [DODIC]: B54020 / Spider Family of Networked Munitions Incr									

Cost Elements (Units in Each)						Fiscal Year 2016												Fiscal Year 2017																		
O C C O	M F R #	FY	SERVICE	PROC QTY	ACCEPT PRIOR TO 1 OCT 2015	BAL DUE AS OF 1 OCT	Calendar Year 2016												Calendar Year 2017																	
							O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	B A L					
Spider System																																				
	1	2016	ARMY	89	-	89											A	-	-	-	-	-	-	-	-	-	-	-	10	10	10	10	14	15	20	-
							O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	B A L					

UNCLASSIFIED

Exhibit P-21, Production Schedule: PB 2016 Army								Date: February 2015				
Appropriation / Budget Activity / Budget Sub Activity: 2035A / 02 / 32					P-1 Line Item Number / Title: B54020 / Spider Family of Networked Munitions Incr				Item Number / Title [DODIC]: B54020 / Spider Family of Networked Munitions Incr			
Production Rates (Each / Month)					Procurement Leadtime (Months)							
MFR Ref #	MFR Name - Location	MSR For 2016	1-8-5 For 2016	MAX For 2016	Initial				Reorder			
					ALT Prior to Oct 1	ALT After Oct 1	Mfg PLT	Total After Oct 1	ALT Prior to Oct 1	ALT After Oct 1	Mfg PLT	Total After Oct 1
1	Northrop Grumman - Redondo Beach	5	100	500	9	9	18	27	6	6	15	21

"A" in the Delivery Schedule indicates the Contract Award Date.

Note: Due to space limitations, quantities in the Exhibit P-21 delivery calendar are truncated and rounded based on the maximum quantity in the calendar as follows. If the maximum quantity is less than or equal to than 9,999, all quantities are shown as each. If the maximum quantity is between 10,000 and 999,999 all quantities are shown in thousands. If the maximum quantity is between 1,000,000 and 999,999,999 all quantities are shown in millions (rounded to the nearest thousand). If the maximum quantity is equal or greater than 1,000,000,000 all quantities are shown in billions (rounded to the nearest million).

UNCLASSIFIED

Exhibit P-40, Budget Line Item Justification: PB 2016 Army **Date:** February 2015

Appropriation / Budget Activity / Budget Sub Activity: 2035A: Other Procurement, Army / BA 02: Communications and Electronics Equipment / BSA 32: Comm - Combat Communications	P-1 Line Item Number / Title: BA5300 / Soldier Enhancement Program Comm/Electronics
---	---

ID Code (A=Service Ready, B=Not Service Ready) :	Program Elements for Code B Items:						Other Related Program Elements:					
Resource Summary	Prior Years	FY 2014	FY 2015	FY 2016 Base	FY 2016 OCO	FY 2016 Total	FY 2017	FY 2018	FY 2019	FY 2020	To Complete	Total
Procurement Quantity (Units in Each)	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Cost (\$ in Millions)	96.341	-	0.294	0.349	-	0.349	0.382	0.485	0.489	0.507	Continuing	Continuing
Less PY Advance Procurement (\$ in Millions)	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P1) (\$ in Millions)	96.341	-	0.294	0.349	-	0.349	0.382	0.485	0.489	0.507	Continuing	Continuing
Plus CY Advance Procurement (\$ in Millions)	-	-	-	-	-	-	-	-	-	-	-	-
Total Obligation Authority (\$ in Millions)	96.341	-	0.294	0.349	-	0.349	0.382	0.485	0.489	0.507	Continuing	Continuing
<i>(The following Resource Summary rows are for informational purposes only. The corresponding budget requests are documented elsewhere.)</i>												
Initial Spares (\$ in Millions)	-	-	-	-	-	-	-	-	-	-	-	-
Flyaway Unit Cost (\$ in Thousands)	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Unit Cost (\$ in Thousands)	-	-	-	-	-	-	-	-	-	-	-	-

Description:

The Soldier Enhancement Program (SEP) was established by the National Defense Authorization Act for Fiscal Year 1990 and 1991. The purpose of the SEP is to evaluate available Commercial Off the Shelf (COTS), Government Off the Shelf (GOTS) and Non-Developmental Items (NDI) equipment to increase combat effectiveness of the Soldier. OPA2 provides a means of procuring selected types of equipment (electronics and communications) designed to increase Soldiers' mission command, situational awareness and operational effectiveness.

Secondary Distribution	FY 2014	FY 2015	FY 2016 Base	FY 2016 OCO	FY 2016 Total	FY 2017	FY 2018	FY 2019	FY 2020
Army									
Quantity	-	-	-	-	-	-	-	-	-
Total Obligation Authority	-	0.294	0.349	-	0.349	0.382	0.485	0.489	0.507
Total: Secondary Distribution	-	-	-	-	-	-	-	-	-
Total Obligation Authority	-	0.294	0.349	-	0.349	0.382	0.485	0.489	0.507

Justification:

FY 2016 base funding in the amount of \$.349 million supports procurement (COTS/GOTS/NDI) of approved hardware for Soldier evaluation. Items in this category include generally Soldier worn or carried Communications/Electronics solutions.

"In accordance with Section 1815 of the FY 2008 National Defense Authorization Act (P.L. 110-181), this item is necessary for use by the active and reserve components of the Armed Forces for homeland defense missions, domestic emergency responses, and providing military support to civil authorities."

UNCLASSIFIED

Exhibit P-40, Budget Line Item Justification: PB 2016 Army **Date:** February 2015

Appropriation / Budget Activity / Budget Sub Activity: 2035A: Other Procurement, Army / BA 02: Communications and Electronics Equipment / BSA 32: Comm - Combat Communications	P-1 Line Item Number / Title: B55510 / Tactical Communications And Protective System
---	--

ID Code (A=Service Ready, B=Not Service Ready) :	Program Elements for Code B Items:						Other Related Program Elements:					
Resource Summary	Prior Years	FY 2014	FY 2015	FY 2016 Base	FY 2016 OCO	FY 2016 Total	FY 2017	FY 2018	FY 2019	FY 2020	To Complete	Total
Procurement Quantity (Units in Each)	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Cost (\$ in Millions)	12.967	31.868	22.654	25.597	-	25.597	22.579	23.653	25.640	20.402	Continuing	Continuing
Less PY Advance Procurement (\$ in Millions)	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P1) (\$ in Millions)	12.967	31.868	22.654	25.597	-	25.597	22.579	23.653	25.640	20.402	Continuing	Continuing
Plus CY Advance Procurement (\$ in Millions)	-	-	-	-	-	-	-	-	-	-	-	-
Total Obligation Authority (\$ in Millions)	12.967	31.868	22.654	25.597	-	25.597	22.579	23.653	25.640	20.402	Continuing	Continuing
<i>(The following Resource Summary rows are for informational purposes only. The corresponding budget requests are documented elsewhere.)</i>												
Initial Spares (\$ in Millions)	-	-	-	-	-	-	-	-	-	-	-	-
Flyaway Unit Cost (\$ in Thousands)	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Unit Cost (\$ in Thousands)	-	-	-	2.848	-	2.848	-	-	-	-	Continuing	Continuing

Description:

The Tactical Communications and Protective System (TCAPS) provides Soldiers with advanced, active hearing protection that simultaneously protects Soldiers' hearing while enabling situational awareness and mission command. TCAPS protects Soldiers against harmful impulse and steady-state noises characteristic of combat environments while enabling Soldiers to communicate with each other using voice communications or over a tactical radio. TCAPS also enhances survivability and situational awareness by allowing Soldiers to selectively amplify faint sounds that would not be otherwise audible.

By reducing noise-induced hearing damage, TCAPS contributes to the reduction of post-service disability compensation and limits lost in-service time related to hearing injury. TCAPS will employ commercial-off-the-shelf (COTS) solution(s) that are inserted into production on a periodic basis following user evaluations.

The Approved Acquisition Objective (AAO) for the TCAPS is 106,184.

Secondary Distribution	FY 2014	FY 2015	FY 2016 Base	FY 2016 OCO	FY 2016 Total	FY 2017	FY 2018	FY 2019	FY 2020
Army									
Quantity	-	-	-	-	-	-	-	-	-
Total Obligation Authority	31.868	22.654	25.597	-	25.597	22.579	23.653	25.640	20.402
Total:									
Secondary Distribution									
Quantity	-	-	-	-	-	-	-	-	-
Total Obligation Authority	31.868	22.654	25.597	-	25.597	22.579	23.653	25.640	20.402

UNCLASSIFIED

Exhibit P-40, Budget Line Item Justification: PB 2016 Army **Date:** February 2015

Appropriation / Budget Activity / Budget Sub Activity: 2035A: Other Procurement, Army / BA 02: Communications and Electronics Equipment / BSA 32: Comm - Combat Communications	P-1 Line Item Number / Title: B55510 / Tactical Communications And Protective System
---	--

ID Code (A=Service Ready, B=Not Service Ready) :			Program Elements for Code B Items:			Other Related Program Elements:		
Exhibits Schedule			Prior Years	FY 2014	FY 2015	FY 2016 Base	FY 2016 OCO	FY 2016 Total
Title*	Exhibits	ID CD	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)
B55510 / Tactical Communications And Protective System	P-5, P-5a		- / 12.967	- / 31.868	- / 22.654	- / 25.597	- / -	- / 25.597
Total Gross/Weapon System Cost			- / 12.967	- / 31.868	- / 22.654	- / 25.597	- / -	- / 25.597

*Title represents 1) the Number / Title for Items; 2) the Number / Title [DODIC] for Ammunition; and/or 3) the Number / Title (Modification Type) for Modifications.

Note: Totals in this Exhibit P-40 set may not be exact or add due to rounding.

Justification:
 FY 2016 base procurement dollars in the amount of \$25.597 million procures commercial off the shelf Tactical Communications and Protective Systems.

The General Accounting Office (GAO) Report 11-114 states that the Veterans Administration purchased 382,000 hearing assistive devices at an estimated expenditure of \$154 million in FY2008 and provided annual disability payments in excess of \$1.1 billion in FY2009. Hearing injuries will be avoided only if Soldiers wear hearing protection. Historically Soldiers have had to choose between hearing protection and auditory situational awareness. TCAPS prevents hearing injury while enabling command, control and situational awareness.

"In accordance with Section 1815 of the FY 2008 National Defense Authorization Act (P.L. 110-181), this item is necessary for use by the active and reserve components of the Armed Forces for homeland defense missions, domestic emergency responses, and providing military support to civil authorities."

UNCLASSIFIED

Exhibit P-5, Cost Analysis: PB 2016 Army		Date: February 2015
Appropriation / Budget Activity / Budget Sub Activity: 2035A / 02 / 32	P-1 Line Item Number / Title: B55510 / Tactical Communications And Protective System	Item Number / Title [DODIC]: B55510 / Tactical Communications And Protective System

ID Code (A=Service Ready, B=Not Service Ready) :	MDAP/MAIS Code:
---	------------------------

Resource Summary	Prior Years	FY 2014	FY 2015	FY 2016 Base	FY 2016 OCO	FY 2016 Total
Procurement Quantity (Units in Each)	-	-	-	-	-	-
Gross/Weapon System Cost (\$ in Millions)	12.967	31.868	22.654	25.597	-	25.597
Less PY Advance Procurement (\$ in Millions)	-	-	-	-	-	-
Net Procurement (P1) (\$ in Millions)	12.967	31.868	22.654	25.597	-	25.597
Plus CY Advance Procurement (\$ in Millions)	-	-	-	-	-	-
Total Obligation Authority (\$ in Millions)	12.967	31.868	22.654	25.597	-	25.597

(The following Resource Summary rows are for informational purposes only. The corresponding budget requests are documented elsewhere.)

Initial Spares (\$ in Millions)	-	-	-	-	-	-
Gross/Weapon System Unit Cost (\$ in Thousands)	-	-	-	2.848	-	2.848

Note: Subtotals or Totals in this Exhibit P-5 may not be exact or add, due to rounding.

Cost Elements	Prior Years			FY 2014			FY 2015			FY 2016 Base			FY 2016 OCO			FY 2016 Total		
	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)
Hardware Cost																		
Recurring Cost																		
TCAPS Hardware (COMPO) 1 ^(t)	2.165	5,990	12.967	2.129	10,972	23.363	2.053	7,304	14.998	2.060	8,987	18.512	-	-	-	2.060	8,987	18.512
Sys/Eng Prgm Mgmt (COMPO) 1	-	-	-	-	-	2.080	-	-	2.007	-	-	1.973	-	-	-	-	-	1.973
System Fielding & Support (COMPO) 1	-	-	-	-	-	6.426	-	-	5.649	-	-	5.112	-	-	-	-	-	5.112
<i>Subtotal: Recurring Cost</i>	-	-	12.968	-	-	31.865	-	-	22.651	-	-	25.598	-	-	-	-	-	25.598
<i>Subtotal: Hardware Cost</i>	-	-	12.968	-	-	31.865	-	-	22.651	-	-	25.598	-	-	-	-	-	25.598
Gross/Weapon System Cost	-	-	12.967	-	-	31.868	-	-	22.654	2.848	-	25.597	-	-	-	2.848	-	25.597

Secondary Distribution	FY 2014	FY 2015	FY 2016 Base	FY 2016 OCO	FY 2016 Total
Army	-	-	-	-	-
Total Obligation Authority	31.868	22.654	25.597	-	25.597
Total: Secondary Distribution	31.868	22.654	25.597	-	25.597

(t) indicates the presence of a P-5a

UNCLASSIFIED

Exhibit P-5a, Procurement History and Planning: PB 2016 Army							Date: February 2015					
Appropriation / Budget Activity / Budget Sub Activity: 2035A / 02 / 32			P-1 Line Item Number / Title: B55510 / Tactical Communications And Protective System				Item Number / Title [DODIC]: B55510 / Tactical Communications And Protective System					
Cost Elements	O C O	FY	Contractor and Location	Method/Type or Funding Vehicle	Location of PCO	Award Date	Date of First Delivery	Qty (Each)	Unit Cost (\$ K)	Specs Avail Now?	Date Revision Available	RFP Issue Date
TCAPS Hardware (COMPO) 1		2014	DLA Troop Support / PA	MIPR	Philadelphia	Mar 2014	May 2014	10,972	2.129			
TCAPS Hardware (COMPO) 1		2015	DLA Troop Support / PA	MIPR	Philadelphia	Mar 2015	May 2015	7,304	2.053			
TCAPS Hardware (COMPO) 1		2016	DLA Troop Support / PA	MIPR	Philadelphia	Feb 2016	May 2016	8,987	2.060			

Remarks:
P21 is not required. This program procures commercial off the shelf Tactical Communications and Protective Systems.

UNCLASSIFIED

Exhibit P-40, Budget Line Item Justification: PB 2016 Army **Date:** February 2015

Appropriation / Budget Activity / Budget Sub Activity: 2035A: Other Procurement, Army / BA 02: Communications and Electronics Equipment / BSA 32: Comm - Combat Communications	P-1 Line Item Number / Title: B58601 / Unified Command Suite
---	--

ID Code (A=Service Ready, B=Not Service Ready) :	Program Elements for Code B Items:	Other Related Program Elements:
---	---	--

Resource Summary	Prior Years	FY 2014	FY 2015	FY 2016 Base	FY 2016 OCO	FY 2016 Total	FY 2017	FY 2018	FY 2019	FY 2020	To Complete	Total
Procurement Quantity <i>(Units in Each)</i>	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Cost <i>(\$ in Millions)</i>	-	8.000	17.445	21.854	-	21.854	14.404	15.105	17.135	17.619	-	111.562
Less PY Advance Procurement <i>(\$ in Millions)</i>	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P1) <i>(\$ in Millions)</i>	-	8.000	17.445	21.854	-	21.854	14.404	15.105	17.135	17.619	-	111.562
Plus CY Advance Procurement <i>(\$ in Millions)</i>	-	-	-	-	-	-	-	-	-	-	-	-
Total Obligation Authority <i>(\$ in Millions)</i>	-	8.000	17.445	21.854	-	21.854	14.404	15.105	17.135	17.619	-	111.562

(The following Resource Summary rows are for informational purposes only. The corresponding budget requests are documented elsewhere.)

Initial Spares <i>(\$ in Millions)</i>	-	-	-	-	-	-	-	-	-	-	-	-
Flyaway Unit Cost <i>(\$ in Thousands)</i>	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Unit Cost <i>(\$ in Thousands)</i>	-	-	-	-	-	-	-	-	-	-	-	-

Description:

The Unified Command Suite (UCS) is a fully integrated mobile communications platform that is self-sufficient and highly interoperable by integrating commercial off the shelf (COTS) and government off the shelf (GOTS) military communications hardware. UCS provides communications interoperability with Federal, State, Local and Military Emergency Response elements at incident scenes. UCS provides reachback capability which allows Incident Commanders the ability to assess an incident scene, advise responders, and facilitate access to Department of Defense information. UCS provides critical Key Performance Parameter directed reachback communications for Analytical Laboratory Systems (ALS) and other Civil Support Team (CST) systems.

The Approved Acquisition Objective (AAO) for the UCS is 64.

Secondary Distribution	FY 2014	FY 2015	FY 2016 Base	FY 2016 OCO	FY 2016 Total	FY 2017	FY 2018	FY 2019	FY 2020
Army	Quantity	-	-	-	-	-	-	-	-
	Total Obligation Authority	-	-	1.580	-	1.580	1.590	1.602	1.615
ANG	Quantity	-	-	-	-	-	-	-	-
	Total Obligation Authority	8.000	17.445	20.274	-	20.274	12.814	13.503	15.520
Total: Secondary Distribution	Quantity	-	-	-	-	-	-	-	-
	Total Obligation Authority	8.000	17.445	21.854	-	21.854	14.404	15.105	17.135

UNCLASSIFIED

Exhibit P-40, Budget Line Item Justification: PB 2016 Army **Date:** February 2015

Appropriation / Budget Activity / Budget Sub Activity: 2035A: Other Procurement, Army / BA 02: Communications and Electronics Equipment / BSA 32: Comm - Combat Communications	P-1 Line Item Number / Title: B58601 / Unified Command Suite
---	--

ID Code (A=Service Ready, B=Not Service Ready) :			Program Elements for Code B Items:			Other Related Program Elements:		
Exhibits Schedule			Prior Years	FY 2014	FY 2015	FY 2016 Base	FY 2016 OCO	FY 2016 Total
Title*	Exhibits	ID CD	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)
B58601 / Unified Command Suite	P-5, P-5a, P-21		- / -	- / 8.000	- / 17.445	- / 21.854	- / -	- / 21.854
Total Gross/Weapon System Cost			- / -	- / 8.000	- / 17.445	- / 21.854	- / -	- / 21.854

*Title represents 1) the Number / Title for Items; 2) the Number / Title [DODIC] for Ammunition; and/or 3) the Number / Title (Modification Type) for Modifications.

Note: Totals in this Exhibit P-40 set may not be exact or add due to rounding.

Justification:
 FY 2016 Base funding in the amount of \$21.854 million will modernize, upgrade, and procure components for the Unified Command Suites for Civil Support Teams. Funding supports the UCS platform shelter and integration for 32 UCS systems, Video Teleconference (VTC) upgrade for 32 UCS systems, Satellite Communication (SATCOM) terminal upgrades for 32 UCS systems, and cryptological device modernization of 32 UCS systems.

UNCLASSIFIED

Exhibit P-5, Cost Analysis: PB 2016 Army **Date:** February 2015

Appropriation / Budget Activity / Budget Sub Activity: 2035A / 02 / 32	P-1 Line Item Number / Title: B58601 / Unified Command Suite	Item Number / Title [DODIC]: B58601 / Unified Command Suite
--	--	---

ID Code (A=Service Ready, B=Not Service Ready) : **MDAP/MAIS Code:**

Resource Summary	Prior Years	FY 2014	FY 2015	FY 2016 Base	FY 2016 OCO	FY 2016 Total
Procurement Quantity <i>(Units in Each)</i>	-	-	-	-	-	-
Gross/Weapon System Cost <i>(\$ in Millions)</i>	-	8.000	17.445	21.854	-	21.854
Less PY Advance Procurement <i>(\$ in Millions)</i>	-	-	-	-	-	-
Net Procurement (P1) <i>(\$ in Millions)</i>	-	8.000	17.445	21.854	-	21.854
Plus CY Advance Procurement <i>(\$ in Millions)</i>	-	-	-	-	-	-
Total Obligation Authority <i>(\$ in Millions)</i>	-	8.000	17.445	21.854	-	21.854

(The following Resource Summary rows are for informational purposes only. The corresponding budget requests are documented elsewhere.)

Initial Spares <i>(\$ in Millions)</i>	-	-	-	-	-	-
Gross/Weapon System Unit Cost <i>(\$ in Thousands)</i>	-	-	-	-	-	-

Note: Subtotals or Totals in this Exhibit P-5 may not be exact or add, due to rounding.

Cost Elements	Prior Years			FY 2014			FY 2015			FY 2016 Base			FY 2016 OCO			FY 2016 Total		
	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)
Flyaway Cost																		
Recurring Cost																		
Program Office Support	-	-	-	-	-	0.356	-	-	0.356	-	-	0.357	-	-	-	-	-	0.357
Fielding	-	-	-	-	-	6.437	-	-	5.882	-	-	6.439	-	-	-	-	-	6.439
Training	-	-	-	-	-	0.192	-	-	0.041	-	-	0.043	-	-	-	-	-	0.043
Hardware ^(t)	-	-	-	507.500	2	1.015	507.550	22	11.166	469.220	32	15.015	-	-	-	469.220	32	15.015
<i>Subtotal: Recurring Cost</i>	-	-	-	-	-	8.000	-	-	17.445	-	-	21.854	-	-	-	-	-	21.854
<i>Subtotal: Flyaway Cost</i>	-	-	-	-	-	8.000	-	-	17.445	-	-	21.854	-	-	-	-	-	21.854
Gross/Weapon System Cost	-	-	-	-	-	8.000	-	-	17.445	-	-	21.854	-	-	-	-	-	21.854

Secondary Distribution		FY 2014	FY 2015	FY 2016 Base	FY 2016 OCO	FY 2016 Total
Army	Quantity	-	-	-	-	-
	Total Obligation Authority	-	-	1.580	-	1.580
ANG	Quantity	-	-	-	-	-
	Total Obligation Authority	8.000	17.445	20.274	-	20.274
Total: Secondary Distribution	Quantity	-	-	-	-	-
	Total Obligation Authority	8.000	17.445	21.854	-	21.854

^(t) indicates the presence of a P-5a

UNCLASSIFIED

Exhibit P-5a, Procurement History and Planning: PB 2016 Army **Date:** February 2015

Appropriation / Budget Activity / Budget Sub Activity: 2035A / 02 / 32	P-1 Line Item Number / Title: B58601 / Unified Command Suite	Item Number / Title [DODIC]: B58601 / Unified Command Suite
--	--	---

Cost Elements	O C O	FY	Contractor and Location	Method/Type or Funding Vehicle	Location of PCO	Award Date	Date of First Delivery	Qty <i>(Each)</i>	Unit Cost <i>(\$ K)</i>	Specs Avail Now?	Date Revision Available	RFP Issue Date
Hardware ^(†)		2015	TBD / TBD	C / FFP	TBD	Mar 2015	Apr 2015	22	507.550			
Hardware ^(†)		2016	TBD / TBD	C / FFP	TBD	Mar 2016	Apr 2016	32	469.220			

^(†) indicates the presence of a P-21

Remarks:
Fielding schedule reflects modernization of existing systems. No new system fieldings are taking place, as UCS is currently undergoing various blocks of modernization to remain ahead of the obsolescence curve.

UNCLASSIFIED

Exhibit P-21, Production Schedule: PB 2016 Army **Date:** February 2015

Appropriation / Budget Activity / Budget Sub Activity: 2035A / 02 / 32	P-1 Line Item Number / Title: B58601 / Unified Command Suite	Item Number / Title [DODIC]: B58601 / Unified Command Suite
--	--	---

Cost Elements <i>(Units in Each)</i>						Fiscal Year 2015												Fiscal Year 2016																	
O C C O	M F R #	FY	SERVICE	PROC QTY	ACCEPT PRIOR TO 1 OCT 2014	BAL DUE AS OF 1 OCT	Calendar Year 2015												Calendar Year 2016																
							O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	B A L				
Hardware																																			
	1	2015	ARMY	22	-	22									A -	3	3	3	3	3	3	3	3	3	1					-					
	1	2016	ARMY	32	-	32																					A -	3	3	3	3	3	3	3	14
							O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	B A L				

UNCLASSIFIED

Exhibit P-21, Production Schedule: PB 2016 Army **Date:** February 2015

Appropriation / Budget Activity / Budget Sub Activity: 2035A / 02 / 32	P-1 Line Item Number / Title: B58601 / Unified Command Suite	Item Number / Title [DODIC]: B58601 / Unified Command Suite
--	--	---

Cost Elements <i>(Units in Each)</i>						Fiscal Year 2017											Fiscal Year 2018														
O C C O	M F R #	FY	SERVICE	PROC QTY	ACCEPT PRIOR TO 1 OCT 2016	BAL DUE AS OF 1 OCT	Calendar Year 2017											Calendar Year 2018													
							O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	B A L
Hardware																															
	1	2015	ARMY	22	22	-																									
	1	2016	ARMY	32	18	14	3	3	3	3	2																				
							O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	B A L

UNCLASSIFIED

Exhibit P-21, Production Schedule: PB 2016 Army								Date: February 2015				
Appropriation / Budget Activity / Budget Sub Activity: 2035A / 02 / 32				P-1 Line Item Number / Title: B58601 / Unified Command Suite				Item Number / Title [DODIC]: B58601 / Unified Command Suite				
		Production Rates (Each / Month)			Procurement Leadtime (Months)							
MFR Ref #	MFR Name - Location	MSR For 2016	1-8-5 For 2016	MAX For 2016	Initial			Reorder				
					ALT Prior to Oct 1	ALT After Oct 1	Mfg PLT	Total After Oct 1	ALT Prior to Oct 1	ALT After Oct 1	Mfg PLT	Total After Oct 1
1	TBD - TBD	1	10	20	-	5	1	6	-	5	1	6

"A" in the Delivery Schedule indicates the Contract Award Date.

Note: Due to space limitations, quantities in the Exhibit P-21 delivery calendar are truncated and rounded based on the maximum quantity in the calendar as follows. If the maximum quantity is less than or equal to than 9,999, all quantities are shown as each. If the maximum quantity is between 10,000 and 999,999 all quantities are shown in thousands. If the maximum quantity is between 1,000,000 and 999,999,999 all quantities are shown in millions (rounded to the nearest thousand). If the maximum quantity is equal or greater than 1,000,000,000 all quantities are shown in billions (rounded to the nearest million).

UNCLASSIFIED

Exhibit P-40, Budget Line Item Justification: PB 2016 Army **Date:** February 2015

Appropriation / Budget Activity / Budget Sub Activity: 2035A: Other Procurement, Army / BA 02: Communications and Electronics Equipment / BSA 32: Comm - Combat Communications	P-1 Line Item Number / Title: BU8100 / Radio, Improved HF (COTS) Family
---	---

ID Code (A=Service Ready, B=Not Service Ready) :	Program Elements for Code B Items:						Other Related Program Elements:					
Resource Summary	Prior Years	FY 2014	FY 2015	FY 2016 Base	FY 2016 OCO	FY 2016 Total	FY 2017	FY 2018	FY 2019	FY 2020	To Complete	Total
Procurement Quantity (Units in Each)	27,308	-	-	-	-	-	-	-	-	-	-	27,308
Gross/Weapon System Cost (\$ in Millions)	1,622.881	-	1.028	-	-	-	-	-	-	-	-	1,623.909
Less PY Advance Procurement (\$ in Millions)	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P1) (\$ in Millions)	1,622.881	-	1.028	-	-	-	-	-	-	-	-	1,623.909
Plus CY Advance Procurement (\$ in Millions)	-	-	-	-	-	-	-	-	-	-	-	-
Total Obligation Authority (\$ in Millions)	1,622.881	-	1.028	-	-	-	-	-	-	-	-	1,623.909

(The following Resource Summary rows are for informational purposes only. The corresponding budget requests are documented elsewhere.)

Initial Spares (\$ in Millions)	-	-	-	-	-	-	-	-	-	-	-	-
Flyaway Unit Cost (\$ in Thousands)	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Unit Cost (\$ in Thousands)	59.429	-	-	-	-	-	-	-	-	-	-	59.466

Description:

The COTS Family of radios provides state-of-the-art communications for tactical use. Through numerous non-developmental and commercial offerings, the COTS family is able to provide various capabilities currently required by the Soldier.

These capabilities include:

- Transmit and receive voice and data via line-of-sight (LOS), non-LOS or satellite communications (SATCOM) operations
- Supports legacy/current force waveforms and emerging networking waveforms
- Software upgradeable
- Encryption to protect Sensitive Unclassified and Classified voice and data
- Supports Large/Medium/Small Forward Operating Bases
- Vehicular, Manpack, Hand Held, and Base Station configurations

Funding also supports COTS procurement of cosite mitigation, Electronic Warfare filters and multi-band antennas.

Secondary Distribution	FY 2014	FY 2015	FY 2016 Base	FY 2016 OCO	FY 2016 Total	FY 2017	FY 2018	FY 2019	FY 2020
Army									
Quantity	-	-	-	-	-	-	-	-	-
Total Obligation Authority	-	1.028	-	-	-	-	-	-	-
Total:	-	-	-	-	-	-	-	-	-
Quantity	-	-	-	-	-	-	-	-	-

UNCLASSIFIED

Exhibit P-40, Budget Line Item Justification: PB 2016 Army **Date:** February 2015

Appropriation / Budget Activity / Budget Sub Activity: 2035A: Other Procurement, Army / BA 02: Communications and Electronics Equipment / BSA 32: Comm - Combat Communications	P-1 Line Item Number / Title: BU8100 / Radio, Improved HF (COTS) Family
---	---

ID Code (A=Service Ready, B=Not Service Ready) :		Program Elements for Code B Items:				Other Related Program Elements:				
Secondary Distribution		FY 2014	FY 2015	FY 2016 Base	FY 2016 OCO	FY 2016 Total	FY 2017	FY 2018	FY 2019	FY 2020
Secondary Distribution	Total Obligation Authority	-	1.028	-	-	-	-	-	-	-

UNCLASSIFIED

Exhibit P-40, Budget Line Item Justification: PB 2016 Army **Date:** February 2015

Appropriation / Budget Activity / Budget Sub Activity: 2035A: Other Procurement, Army / BA 02: Communications and Electronics Equipment / BSA 32: Comm - Combat Communications	P-1 Line Item Number / Title: BU8100 / Radio, Improved HF (COTS) Family
---	---

ID Code (A=Service Ready, B=Not Service Ready) :			Program Elements for Code B Items:			Other Related Program Elements:		
Exhibits Schedule			Prior Years	FY 2014	FY 2015	FY 2016 Base	FY 2016 OCO	FY 2016 Total
Title*	Exhibits	ID CD	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)
B81803 / COTS Tactical Radios	P-40a		27,308 / 1,622.881	- / -	- / 1.028	- / -	- / -	- / -
Total Gross/Weapon System Cost			27,308 / 1,622.881	- / -	- / 1.028	- / -	- / -	- / -

*Title represents 1) the Number / Title for Items; 2) the Number / Title [DODIC] for Ammunition; and/or 3) the Number / Title (Modification Type) for Modifications.

Note: Totals in this Exhibit P-40 set may not be exact or add due to rounding.

Justification:
 This program has no FY 2016 procurement request, as program transitions to sustainment.

In accordance with Section 1815 of the FY 2008 National Defense Authorization Act (P.L. 110-118), this item is necessary for use by the active and reserve components of the Armed Forces for homeland defense missions, domestic emergency responses, and providing military support to civil authorities.

UNCLASSIFIED

Exhibit P-40a, Budget Item Justification For Aggregated Items: PB 2016 Army **Date:** February 2015

Appropriation / Budget Activity / Budget Sub Activity: 2035A / 02 / 32	P-1 Line Item Number / Title: BU8100 / Radio, Improved HF (COTS) Family	Aggregated Items Title: Various
--	---	---

Note: Subtotals or Totals in this Exhibit P-40a may not be exact or add, due to rounding.

Item Number / Title [DODIC]	ID CD	MDAP/MAIS Code	Prior Years			FY 2014			FY 2015			FY 2016 Base			FY 2016 OCO			FY 2016 Total		
			Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)
COTS Tactical Radios																				
B81803 / COTS Tactical Radios			59.429	27,308	1,622.881	-	-	-	-	-	1.028	-	-	-	-	-	-	-	-	-
<i>Secondary Distribution</i>																				
Army				-	-	-	-	-	-	-	1.028		-	-		-	-		-	-
<i>Subtotal: COTS Tactical Radios</i>			-	-	1,622.881	-	-	-	-	-	1.028		-	-		-	-		-	-
Total			-	-	1,622.881	-	-	-	-	-	1.028		-	-		-	-		-	-

UNCLASSIFIED

Exhibit P-40, Budget Line Item Justification: PB 2016 Army **Date:** February 2015

Appropriation / Budget Activity / Budget Sub Activity: 2035A: Other Procurement, Army / BA 02: Communications and Electronics Equipment / BSA 32: Comm - Combat Communications	P-1 Line Item Number / Title: MA8000 / Family of Med Comm for Combat Casualty Care
---	--

ID Code (A=Service Ready, B=Not Service Ready) :		Program Elements for Code B Items:					Other Related Program Elements:					
Resource Summary	Prior Years	FY 2014	FY 2015	FY 2016 Base	FY 2016 OCO	FY 2016 Total	FY 2017	FY 2018	FY 2019	FY 2020	To Complete	Total
Procurement Quantity (Units in Each)	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Cost (\$ in Millions)	454.196	19.367	22.614	24.388	-	24.388	24.054	21.578	22.464	22.885	Continuing	Continuing
Less PY Advance Procurement (\$ in Millions)	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P1) (\$ in Millions)	454.196	19.367	22.614	24.388	-	24.388	24.054	21.578	22.464	22.885	Continuing	Continuing
Plus CY Advance Procurement (\$ in Millions)	-	-	-	-	-	-	-	-	-	-	-	-
Total Obligation Authority (\$ in Millions)	454.196	19.367	22.614	24.388	-	24.388	24.054	21.578	22.464	22.885	Continuing	Continuing
<i>(The following Resource Summary rows are for informational purposes only. The corresponding budget requests are documented elsewhere.)</i>												
Initial Spares (\$ in Millions)	-	-	-	-	-	-	-	-	-	-	-	-
Flyaway Unit Cost (\$ in Thousands)	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Unit Cost (\$ in Thousands)	9.014	15.444	23.218	11.675	11.675	11.674	13.552	10.849	8.558	14.698	Continuing	Continuing

Description:

The Medical Communications for Combat Casualty Care (MC4) system provides multipliers to the medical force structure through the acquisition of information technology solutions for the deployable medical forces. The MC4 system fulfills the requirements highlighted in United States Code: Title 10, Subtitle A, Part II, Chapter 55, Section 1074f, mandating the proper documentation of deployed service members' medical treatment to include pre- and post-deployment screening and its associated medical surveillance, enabling each soldier to have a comprehensive, life-long medical record of all illnesses and injuries. The MC4 system also interfaces Force Health Protection and medical surveillance information with Army Mission Command information technology systems. The collection and analysis of medical data provided by the MC4 system provides and enhances medical situational awareness for mission commanders. The MC4 program is currently in full fielding of integrated Information Management/Information Technology (IM/IT) equipment. The Army Acquisition Objective (AAO) is 46,589 end components of the MC4 system.

Secondary Distribution		FY 2014	FY 2015	FY 2016 Base	FY 2016 OCO	FY 2016 Total	FY 2017	FY 2018	FY 2019	FY 2020
Army	Quantity	-	-	-	-	-	-	-	-	-
	Total Obligation Authority	0.956	0.392	1.001	-	1.001	1.099	0.195	0.127	-
ANG	Quantity	-	-	-	-	-	-	-	-	-
	Total Obligation Authority	9.440	12.171	11.519	-	11.519	10.433	5.275	12.266	8.237
AR	Quantity	-	-	-	-	-	-	-	-	-
	Total Obligation Authority	8.971	10.051	11.868	-	11.868	12.522	16.108	10.071	14.648
Total: Secondary Distribution	Quantity	-	-	-	-	-	-	-	-	-
	Total Obligation Authority	19.367	22.614	24.388	-	24.388	24.054	21.578	22.464	22.885

UNCLASSIFIED

Exhibit P-40, Budget Line Item Justification: PB 2016 Army **Date:** February 2015

Appropriation / Budget Activity / Budget Sub Activity: 2035A: Other Procurement, Army / BA 02: Communications and Electronics Equipment / BSA 32: Comm - Combat Communications	P-1 Line Item Number / Title: MA8000 / Family of Med Comm for Combat Casualty Care
---	--

ID Code (A=Service Ready, B=Not Service Ready) :			Program Elements for Code B Items:			Other Related Program Elements:		
Exhibits Schedule			Prior Years	FY 2014	FY 2015	FY 2016 Base	FY 2016 OCO	FY 2016 Total
Title*	Exhibits	ID CD	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)
MA8046 / Medical Comm For CBT Casualty Care (MC4)	P-5, P-5a		- / 454.196	- / 19.367	- / 22.614	- / 24.388	- / -	- / 24.388
Total Gross/Weapon System Cost			- / 454.196	- / 19.367	- / 22.614	- / 24.388	- / -	- / 24.388

*Title represents 1) the Number / Title for Items; 2) the Number / Title [DODIC] for Ammunition; and/or 3) the Number / Title (Modification Type) for Modifications.

Note: Totals in this Exhibit P-40 set may not be exact or add due to rounding.

Justification:

FY 2016 Base procurement dollars in the amount of \$24.388 million supports production engineering, fielding and new equipment training for new systems. In addition, overall program office management efforts are funded in this appropriation. Base funding in FY16 is required to continue fielding remaining gaps of MC4 capability to the Army medical force structure and to upgrade obsolete equipment to comply with direction of the US Army Common Operating Environment. FY16 funding will procure 2,089 end components of the MC4 system for upgraded and new equipment fielding and provide NET (new equipment training) as needed for 3 Active units (1 military police, 1 sustainment brigade, 1 medical detachment); 128 National Guard units (3 Infantry Division headquarters, 2 sustainment brigades, 1 chemical unit, 11 infantry regiment/battalion, 23 medical units, 11 military police, 11 field artillery, 7 brigade combat team headquarters, 18 engineering units, 4 cavalry units, 18 support battalion, 2 maneuver battalion, 14 aviation units, 1 armored, 1 fires brigade, 1 battlefield surveillance brigade); and 57 Army Reserve units (4 sustainment commands, 1 aviation battalion, 25 medical units, 5 military police units, 3 combat support hospitals, 9 civil affairs units, 3 chemical units and 8 engineering units). The system is fielded and trained to units as they prepare for deployment or other priority missions. In addition, all units with MC4 equipment authorizations are being evaluated for authorized shortages and provided equipment towards reaching the AAO. The medical encounters captured by the MC4 system will provide the Soldiers' electronic health record as well as data to databases and systems that enable commanders to: identify population health trends and outbreaks; reallocate human and materiel resources based on needs; determine if locations are the source of illnesses or injuries; and make better tactical and medical decisions that impact the mission and Soldiers' health.

In accordance with Section 1815 of the FY08 National Defense Authorization Act (NDAA)(P.L. 110-181) this item is necessary for use by the active components and reserve components of the Armed Forces for homeland defense missions, domestic emergency responses, and providing the military support to civil authorities.

UNCLASSIFIED

Exhibit P-5, Cost Analysis: PB 2016 Army		Date: February 2015
Appropriation / Budget Activity / Budget Sub Activity: 2035A / 02 / 32	P-1 Line Item Number / Title: MA8000 / Family of Med Comm for Combat Casualty Care	Item Number / Title [DODIC]: MA8046 / Medical Comm For CBT Casualty Care (MC4)

ID Code (A=Service Ready, B=Not Service Ready) :	MDAP/MAIS Code:
---	------------------------

Resource Summary	Prior Years	FY 2014	FY 2015	FY 2016 Base	FY 2016 OCO	FY 2016 Total
Procurement Quantity (Units in Each)	-	-	-	-	-	-
Gross/Weapon System Cost (\$ in Millions)	454.196	19.367	22.614	24.388	-	24.388
Less PY Advance Procurement (\$ in Millions)	-	-	-	-	-	-
Net Procurement (P1) (\$ in Millions)	454.196	19.367	22.614	24.388	-	24.388
Plus CY Advance Procurement (\$ in Millions)	-	-	-	-	-	-
Total Obligation Authority (\$ in Millions)	454.196	19.367	22.614	24.388	-	24.388

(The following Resource Summary rows are for informational purposes only. The corresponding budget requests are documented elsewhere.)

Initial Spares (\$ in Millions)	-	-	-	-	-	-
Gross/Weapon System Unit Cost (\$ in Thousands)	9.014	15.444	23.218	11.675	11.675	11.674

Note: Subtotals or Totals in this Exhibit P-5 may not be exact or add, due to rounding.

Cost Elements	Prior Years			FY 2014			FY 2015			FY 2016 Base			FY 2016 OCO			FY 2016 Total		
	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)
Flyaway Cost																		
Recurring Cost																		
Medical Information Systems Equipment ^(†)	309,397.000	1	309.397	0.991	974	0.965	1.844	1,254	2.312	3.034	2,089	6.339	-	-	-	3.034	2,089	6.339
PMO Fielding Management	32,285.000	1	32.285	5,150.000	1	5.150	5,346.000	1	5.346	5,249.000	1	5.249	-	-	-	5,249.000	1	5.249
Field equipment / conduct New Equip Train ^(†)	74,775.000	1	74.775	5,700.000	1	5.700	7,293.000	1	7.293	6,600.000	1	6.600	-	-	-	6,600.000	1	6.600
Production Engineering ^(†)	32,045.000	1	32.045	5,575.000	1	5.575	5,665.000	1	5.665	4,800.000	1	4.800	-	-	-	4,800.000	1	4.800
PMO Management Support ^(†)	5,694.000	1	5.694	1,977.000	1	1.977	1,998.000	1	1.998	1,400.000	1	1.400	-	-	-	1,400.000	1	1.400
<i>Subtotal: Recurring Cost</i>	-	-	454.196	-	-	19.367	-	-	22.614	-	-	24.387	-	-	-	-	-	24.387
<i>Subtotal: Flyaway Cost</i>	-	-	454.196	-	-	19.367	-	-	22.614	-	-	24.387	-	-	-	-	-	24.387
Gross/Weapon System Cost	9.014	-	454.196	15.444	-	19.367	23.218	-	22.614	11.675	-	24.388	11.675	-	-	11.674	-	24.388

Secondary Distribution	FY 2014	FY 2015	FY 2016 Base	FY 2016 OCO	FY 2016 Total
Army					
Quantity	-	-	-	-	-
Total Obligation Authority	0.956	0.392	1.001	-	1.001

UNCLASSIFIED

Exhibit P-5, Cost Analysis: PB 2016 Army		Date: February 2015
Appropriation / Budget Activity / Budget Sub Activity: 2035A / 02 / 32	P-1 Line Item Number / Title: MA8000 / Family of Med Comm for Combat Casualty Care	Item Number / Title [DODIC]: MA8046 / Medical Comm For CBT Casualty Care (MC4)

ID Code (A=Service Ready, B=Not Service Ready) :		MDAP/MAIS Code:				
Secondary Distribution		FY 2014	FY 2015	FY 2016 Base	FY 2016 OCO	FY 2016 Total
ANG	Quantity	-	-	-	-	-
	Total Obligation Authority	9.440	12.171	11.519	-	11.519
AR	Quantity	-	-	-	-	-
	Total Obligation Authority	8.971	10.051	11.868	-	11.868
Total: Secondary Distribution	Quantity	-	-	-	-	-
	Total Obligation Authority	19.367	22.614	24.388	-	24.388

(†) indicates the presence of a P-5a

UNCLASSIFIED

Exhibit P-5a, Procurement History and Planning: PB 2016 Army								Date: February 2015				
Appropriation / Budget Activity / Budget Sub Activity: 2035A / 02 / 32			P-1 Line Item Number / Title: MA8000 / Family of Med Comm for Combat Casualty Care					Item Number / Title [DODIC]: MA8046 / Medical Comm For CBT Casualty Care (MC4)				
Cost Elements	O C O	FY	Contractor and Location	Method/Type or Funding Vehicle	Location of PCO	Award Date	Date of First Delivery	Qty (Each)	Unit Cost (\$ K)	Specs Avail Now?	Date Revision Available	RFP Issue Date
Medical Information Systems Equipment		2014	VAR / VAR	C / FP	ACC-RI	Jan 2014	Mar 2014	974	0.991	N		
Medical Information Systems Equipment		2015	VAR / VAR	C / FP	ACC-RI	Jan 2015	Mar 2015	1,254	1.844	N		
Medical Information Systems Equipment		2016	TBS / TBS	C / FP	ACC-RI	Jan 2016	Mar 2016	2,089	3.034	N		
Field equipment /conduct New Equip Train		2014	General Dynamics (IT) / Fairfax, VA	C / T&M	GSA Philadelphia	Mar 2014	Aug 2014	1	5,700.000	N		
Field equipment /conduct New Equip Train		2015	L3 / Reston, VA	C / Various	GSA Philadelphia	Dec 2014	Jan 2015	1	7,293.000	N		
Field equipment /conduct New Equip Train		2016	L3 / Reston, VA	C / Various	GSA Philadelphia	Jan 2016	Jan 2016	1	6,600.000	N		
Production Engineering		2014	L3 / Reston, VA	C / T&M	ACC-RI	Mar 2014	Mar 2014	1	5,575.000	N		
Production Engineering		2015	L3 / Reston, VA	C / T&M	ACC-RI	Feb 2015	Mar 2015	1	5,665.000	N		
Production Engineering		2016	L3 / Reston, VA	C / Various	GSA Philadelphia	Dec 2015	Jan 2016	1	4,800.000	N		
PMO Management Support		2014	Booz Allen Hamilton / McLean, VA	C / T&M	ACC-RI	Apr 2014	Apr 2014	1	1,977.000	N		
PMO Management Support		2015	Booz Allen Hamilton / McLean, VA	C / T&M	ACC-RI	Jan 2015	Jan 2015	1	1,998.000	N		
PMO Management Support		2016	TBS / TBS	C / FFP	ACC-RI	Jan 2016	Jan 2016	1	1,400.000	N		

Remarks:

- Contracted PMO Fielding Management Support/New Equipment Training is provided under GSA/General Dynamics-Information Technology Division contract, awarded 01 Mar 2010, with option years through 28 Feb 2015. A new contract competition is planned to continue effort beyond that time.
- Product Engineering support is provided under Army Contracting Command-Rock Island (ACC-RI)/L3 contract, awarded 01 Aug 2013, with option years through 31 Jan 2016. A new contract competition is planned to continue effort beyond that time.
- A new competitive procurement merges the Fielding/Training and Production Engineering into one contract, awarded Dec 2014. The new fielding portion began Jan 2015 and the Engineering portion will start Jan 2016.
- Equipment (TBS-To Be Selected) is COTS and is procured with various of the 7 MC4 Line Item Numbers (LINs) depending on specific configurations of operational units to be fielded. Equipment vendors are selected by Army Contracting Command, Rock Island (ACC-RI), for best value based on MC4 engineering specifications.
- Program Management Support is provided through Program Management Support Services 2 (PMSS2) contract, Booz Allen Hamilton task order awarded 1 Apr 2011 with options extending through Jun 2015. A new contract competition is planned to continue the effort beyond that time.
- PMO Fielding Management is not shown here as it is not contracted but consists of Government Civilians, and facility/utility fees and expenses paid to base operations.

UNCLASSIFIED

Exhibit P-40, Budget Line Item Justification: PB 2016 Army **Date:** February 2015

Appropriation / Budget Activity / Budget Sub Activity: 2035A: Other Procurement, Army / BA 02: Communications and Electronics Equipment / BSA 36: Comm - Intelligence Comm	P-1 Line Item Number / Title: BK5284 / CI Automation Architecture
---	---

ID Code (A=Service Ready, B=Not Service Ready) :	Program Elements for Code B Items:						Other Related Program Elements:					
Resource Summary	Prior Years	FY 2014	FY 2015	FY 2016 Base	FY 2016 OCO	FY 2016 Total	FY 2017	FY 2018	FY 2019	FY 2020	To Complete	Total
Procurement Quantity (Units in Each)	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Cost (\$ in Millions)	65.044	1.512	1.519	1.349	-	1.349	1.398	1.412	1.426	1.440	Continuing	Continuing
Less PY Advance Procurement (\$ in Millions)	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P1) (\$ in Millions)	65.044	1.512	1.519	1.349	-	1.349	1.398	1.412	1.426	1.440	Continuing	Continuing
Plus CY Advance Procurement (\$ in Millions)	-	-	-	-	-	-	-	-	-	-	-	-
Total Obligation Authority (\$ in Millions)	65.044	1.512	1.519	1.349	-	1.349	1.398	1.412	1.426	1.440	Continuing	Continuing

(The following Resource Summary rows are for informational purposes only. The corresponding budget requests are documented elsewhere.)

Initial Spares (\$ in Millions)	-	-	-	-	-	-	-	-	-	-	-	-
Flyaway Unit Cost (\$ in Thousands)	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Unit Cost (\$ in Thousands)	-	-	-	-	-	-	-	-	-	-	-	-

Description:

This program provides the Army, as a member of the Department of Defense (DoD) counterintelligence (CI) community, with advanced CI operational equipment. This equipment enhances Army's ability to counter the global threat through significant improvements in information sharing, common situational awareness, and knowledge management in a joint operational environment.

Secondary Distribution	FY 2014	FY 2015	FY 2016 Base	FY 2016 OCO	FY 2016 Total	FY 2017	FY 2018	FY 2019	FY 2020
Army									
Quantity	-	-	-	-	-	-	-	-	-
Total Obligation Authority	1.512	1.519	1.349	-	1.349	1.398	1.412	1.426	1.440
Total:									
Quantity	-	-	-	-	-	-	-	-	-
Total Obligation Authority	1.512	1.519	1.349	-	1.349	1.398	1.412	1.426	1.440

Justification:

FY 2016 Base funding in the amount of \$1.349 million procures the DoD Intelligence Information System (DODIIS)-compliant CI and Human Intelligence (HUMINT) materiel solutions to support implementation of Defense Counterintelligence Integrated Information System (DCIIS) at Army Intelligence sites at the MACOM level. Funding further provides specialized equipment necessary to support worldwide CI operations and investigative missions.

UNCLASSIFIED

Exhibit P-40, Budget Line Item Justification: PB 2016 Army **Date:** February 2015

Appropriation / Budget Activity / Budget Sub Activity: 2035A: Other Procurement, Army / BA 02: Communications and Electronics Equipment / BSA 36: Comm - Intelligence Comm	P-1 Line Item Number / Title: BK6285 / Army CA/MISO GPF Equipment
--	---

ID Code (A=Service Ready, B=Not Service Ready) :			Program Elements for Code B Items:					Other Related Program Elements:				
Resource Summary	Prior Years	FY 2014	FY 2015	FY 2016 Base	FY 2016 OCO	FY 2016 Total	FY 2017	FY 2018	FY 2019	FY 2020	To Complete	Total
Procurement Quantity (Units in Each)	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Cost (\$ in Millions)	15.152	58.468	6.078	3.695	-	3.695	6.072	5.405	3.978	4.684	Continuing	Continuing
Less PY Advance Procurement (\$ in Millions)	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P1) (\$ in Millions)	15.152	58.468	6.078	3.695	-	3.695	6.072	5.405	3.978	4.684	Continuing	Continuing
Plus CY Advance Procurement (\$ in Millions)	-	-	-	-	-	-	-	-	-	-	-	-
Total Obligation Authority (\$ in Millions)	15.152	58.468	6.078	3.695	-	3.695	6.072	5.405	3.978	4.684	Continuing	Continuing
<i>(The following Resource Summary rows are for informational purposes only. The corresponding budget requests are documented elsewhere.)</i>												
Initial Spares (\$ in Millions)	-	-	-	-	-	-	-	-	-	-	-	-
Flyaway Unit Cost (\$ in Thousands)	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Unit Cost (\$ in Thousands)	-	-	-	-	-	-	-	-	-	-	-	-

Description:

This program is vital in conventional operations and irregular warfare. Beginning in FY16, the portfolio for Civil Affairs (CA) and Military Information Support Operations (MISO) will consist of 11 systems. These systems are critical to the Warfighter's capabilities in all overseas contingency operations, theater security cooperation, and stability, transition and reconstruction operations. These systems are deployed in support of the combatant commanders engaging with foreign audiences, joint interagency and multi-national operations before, during, and after military operations. The program enables CA/MISO units to keep pace with the increasing Modified Table of Organization and Equipment (MOTEs), rapid deployment rotational cycles, and the requirements of the Warfighter in various theaters of operations. The Army Acquisition Objectives for these 11 systems are 8 Fly Away Broadcast System-v2 (FABS-v2), 192 Media Production Center-Light (MPC-L), 8 Media Production Center-Medium (MPC-M), 33 MISO Print-Light (MISOP-L), 2 MISO Print-Medium (MISOP-M), 651 Next Generation Loud Speakers-Dismounted (NGLS-D), 641 Next Generation Loud Speaker-Mounted (NGLS-M), 709 Production Distribution System-Light (PDS-L), 56 Radio Integration System Lite (RIS-L), 890 SOF Deployment Node-Light (SDN-L), and 59 Tactical Local Area Network (TACLAN).

Secondary Distribution		FY 2014	FY 2015	FY 2016 Base	FY 2016 OCO	FY 2016 Total	FY 2017	FY 2018	FY 2019	FY 2020
Army	Quantity	-	-	-	-	-	-	-	-	-
	Total Obligation Authority	-	3.288	-	-	-	-	-	-	-
AR	Quantity	-	-	-	-	-	-	-	-	-
	Total Obligation Authority	58.468	2.790	3.695	-	3.695	6.072	5.405	3.978	4.684
Total:	Quantity	-	-	-	-	-	-	-	-	-
Secondary Distribution	Total Obligation Authority	58.468	6.078	3.695	-	3.695	6.072	5.405	3.978	4.684

UNCLASSIFIED

Exhibit P-40, Budget Line Item Justification: PB 2016 Army **Date:** February 2015

Appropriation / Budget Activity / Budget Sub Activity: 2035A: Other Procurement, Army / BA 02: Communications and Electronics Equipment / BSA 36: Comm - Intelligence Comm	P-1 Line Item Number / Title: BK6285 / Army CA/MISO GPF Equipment
--	---

ID Code (A=Service Ready, B=Not Service Ready) :			Program Elements for Code B Items:			Other Related Program Elements:		
Exhibits Schedule			Prior Years	FY 2014	FY 2015	FY 2016 Base	FY 2016 OCO	FY 2016 Total
Title*	Exhibits	ID CD	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)
BK6285 / Army CA/MISO GPF Equipment	P-5, P-5a, P-21		- / 15.152	- / 58.468	- / 6.078	- / 3.695	- / -	- / 3.695
Total Gross/Weapon System Cost			- / 15.152	- / 58.468	- / 6.078	- / 3.695	- / -	- / 3.695

*Title represents 1) the Number / Title for Items; 2) the Number / Title [DODIC] for Ammunition; and/or 3) the Number / Title (Modification Type) for Modifications.

Note: Totals in this Exhibit P-40 set may not be exact or add due to rounding.

Justification:
 FY 2016 Base procurement dollars in the amount of \$3.695 million supports the procurement of 13 Production Distribution System-Light (PDS-L).

IAW Section 1815 of the FY08 NDAA this item is necessary for use by the active components and reserve components of the Armed Forces for homeland defense missions, domestic emergency responses, and providing the military support to civil authorities.

UNCLASSIFIED

Exhibit P-5, Cost Analysis: PB 2016 Army		Date: February 2015
Appropriation / Budget Activity / Budget Sub Activity: 2035A / 02 / 36	P-1 Line Item Number / Title: BK6285 / Army CA/MISO GPF Equipment	Item Number / Title [DODIC]: BK6285 / Army CA/MISO GPF Equipment

ID Code (A=Service Ready, B=Not Service Ready) :	MDAP/MAIS Code:
---	------------------------

Resource Summary	Prior Years	FY 2014	FY 2015	FY 2016 Base	FY 2016 OCO	FY 2016 Total
Procurement Quantity (Units in Each)	-	-	-	-	-	-
Gross/Weapon System Cost (\$ in Millions)	15.152	58.468	6.078	3.695	-	3.695
Less PY Advance Procurement (\$ in Millions)	-	-	-	-	-	-
Net Procurement (P1) (\$ in Millions)	15.152	58.468	6.078	3.695	-	3.695
Plus CY Advance Procurement (\$ in Millions)	-	-	-	-	-	-
Total Obligation Authority (\$ in Millions)	15.152	58.468	6.078	3.695	-	3.695

(The following Resource Summary rows are for informational purposes only. The corresponding budget requests are documented elsewhere.)

Initial Spares (\$ in Millions)	-	-	-	-	-	-
Gross/Weapon System Unit Cost (\$ in Thousands)	-	-	-	-	-	-

Note: Subtotals or Totals in this Exhibit P-5 may not be exact or add, due to rounding.

Cost Elements	Prior Years			FY 2014			FY 2015			FY 2016 Base			FY 2016 OCO			FY 2016 Total		
	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)
Flyaway Cost																		
Recurring Cost																		
Product Distribution System-Light ^(†)	-	-	14.552	214.000	199	42.586	-	-	-	284.231	13	3.695	-	-	-	284.231	13	3.695
SOF Deployment Node-Light ^(†)	-	-	0.600	36.014	441	15.882	-	-	-	-	-	-	-	-	-	-	-	-
MISO Print-Light ^(†)	-	-	-	-	-	-	506.500	12	6.078	-	-	-	-	-	-	-	-	-
<i>Subtotal: Recurring Cost</i>	-	-	<i>15.152</i>	-	-	<i>58.468</i>	-	-	<i>6.078</i>	-	-	<i>3.695</i>	-	-	-	-	-	<i>3.695</i>
<i>Subtotal: Flyaway Cost</i>	-	-	<i>15.152</i>	-	-	<i>58.468</i>	-	-	<i>6.078</i>	-	-	<i>3.695</i>	-	-	-	-	-	<i>3.695</i>
Gross/Weapon System Cost	-	-	15.152	-	-	58.468	-	-	6.078	-	-	3.695	-	-	-	-	-	3.695

Secondary Distribution		FY 2014	FY 2015	FY 2016 Base	FY 2016 OCO	FY 2016 Total
Army	Quantity	-	-	-	-	-
	Total Obligation Authority	-	3.288	-	-	-
AR	Quantity	-	-	-	-	-
	Total Obligation Authority	58.468	2.790	3.695	-	3.695
Total: Secondary Distribution	Quantity	-	-	-	-	-
	Total Obligation Authority	58.468	6.078	3.695	-	3.695

UNCLASSIFIED

Exhibit P-5, Cost Analysis: PB 2016 Army		Date: February 2015
Appropriation / Budget Activity / Budget Sub Activity: 2035A / 02 / 36	P-1 Line Item Number / Title: BK6285 / Army CA/MISO GPF Equipment	Item Number / Title [DODIC]: BK6285 / Army CA/MISO GPF Equipment
ID Code (A=Service Ready, B=Not Service Ready) :		MDAP/MAIS Code:

(†) indicates the presence of a P-5a

UNCLASSIFIED

Exhibit P-5a, Procurement History and Planning: PB 2016 Army							Date: February 2015					
Appropriation / Budget Activity / Budget Sub Activity: 2035A / 02 / 36			P-1 Line Item Number / Title: BK6285 / Army CA/MISO GPF Equipment				Item Number / Title [DODIC]: BK6285 / Army CA/MISO GPF Equipment					
Cost Elements	O C O	FY	Contractor and Location	Method/Type or Funding Vehicle	Location of PCO	Award Date	Date of First Delivery	Qty (Each)	Unit Cost (\$ K)	Specs Avail Now?	Date Revision Available	RFP Issue Date
Product Distribution System-Light ^(†)		2014	SPAWAR / Charleston	MIPR	Charleston, SC	Jul 2014	Sep 2014	199	214.000			
Product Distribution System-Light ^(†)		2016	SPAWAR / Charleston	MIPR	Charleston, SC	Jan 2016	Aug 2016	13	284.231	N		
SOF Deployment Node-Light ^(†)		2014	IGOV / Tampa	MIPR	Tampa, FL	Dec 2014	Apr 2015	441	36.014	N		
MISO Print-Light ^(†)		2015	SPAWAR / Charleston	MIPR	Charleston, SC	Feb 2015	Aug 2015	12	506.500	N		

^(†) indicates the presence of a P-21

UNCLASSIFIED

Exhibit P-21, Production Schedule: PB 2016 Army																		Date: February 2015																			
Appropriation / Budget Activity / Budget Sub Activity: 2035A / 02 / 36												P-1 Line Item Number / Title: BK6285 / Army CA/MISO GPF Equipment												Item Number / Title [DODIC]: BK6285 / Army CA/MISO GPF Equipment													

Cost Elements <i>(Units in Each)</i>				Fiscal Year 2014																	Fiscal Year 2015													
				O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	B A L						
																													Calendar Year 2014					
ACCEP T P R I O R T O 1 O C T 2 0 1 3	BAL D U E AS O F 1 O C T																																	
Product Distribution System-Light																																		
1	2014	ARMY	199	-	199														A	-	-	199											-	
1	2016	ARMY	13	-	13																											13		
SOF Deployment Node-Light																																		
2	2014	ARMY	441	-	441																	A	-	-	-	-	441							-
MISO Print-Light																																		
3	2015	ARMY	12	-	12																										-			

UNCLASSIFIED

Exhibit P-21, Production Schedule: PB 2016 Army															Date: February 2015														
Appropriation / Budget Activity / Budget Sub Activity: 2035A / 02 / 36										P-1 Line Item Number / Title: BK6285 / Army CA/MISO GPF Equipment										Item Number / Title [DODIC]: BK6285 / Army CA/MISO GPF Equipment									

Cost Elements <i>(Units in Each)</i>						Fiscal Year 2016												Fiscal Year 2017													
O C C O	M F R #	FY	SERVICE	PROC QTY	ACCEPT PRIOR TO 1 OCT 2015	BAL DUE AS OF 1 OCT	Calendar Year 2016												Calendar Year 2017												
							O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	B A L
Product Distribution System-Light																															
	1	2014	ARMY	199	199	-																									
	1	2016	ARMY	13	-	13				A	-																				
SOF Deployment Node-Light																															
	2	2014	ARMY	441	441	-																									
MISO Print-Light																															
	3	2015	ARMY	12	12	-																									
							O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	B A L

UNCLASSIFIED

Exhibit P-21, Production Schedule: PB 2016 Army		Date: February 2015
Appropriation / Budget Activity / Budget Sub Activity: 2035A / 02 / 36		P-1 Line Item Number / Title: BK6285 / Army CA/MISO GPF Equipment
		Item Number / Title [DODIC]: BK6285 / Army CA/MISO GPF Equipment

MFR Ref #	MFR Name - Location	Production Rates (Each / Month)			Procurement Leadtime (Months)							
		MSR For 2016	1-8-5 For 2016	MAX For 2016	Initial				Reorder			
					ALT Prior to Oct 1	ALT After Oct 1	Mfg PLT	Total After Oct 1	ALT Prior to Oct 1	ALT After Oct 1	Mfg PLT	Total After Oct 1
1	SPAWAR - Charleston	1	1	100	1	1	6	7	-	-	-	-
2	IGOV - Tampa	1	63	100	1	1	6	7	-	-	-	-
3	SPAWAR - Charleston	1	1	100	1	1	6	7	-	-	-	-

"A" in the Delivery Schedule indicates the Contract Award Date.

Note: Due to space limitations, quantities in the Exhibit P-21 delivery calendar are truncated and rounded based on the maximum quantity in the calendar as follows. If the maximum quantity is less than or equal to than 9,999, all quantities are shown as each. If the maximum quantity is between 10,000 and 999,999 all quantities are shown in thousands. If the maximum quantity is between 1,000,000 and 999,999,999 all quantities are shown in millions (rounded to the nearest thousand). If the maximum quantity is equal or greater than 1,000,000,000 all quantities are shown in billions (rounded to the nearest million).

UNCLASSIFIED

Exhibit P-40, Budget Line Item Justification: PB 2016 Army **Date:** February 2015

Appropriation / Budget Activity / Budget Sub Activity: 2035A: Other Procurement, Army / BA 02: Communications and Electronics Equipment / BSA 64: Information Security	P-1 Line Item Number / Title: BA1300 / FAMILY OF BIOMETRICS
---	---

ID Code (A=Service Ready, B=Not Service Ready) :	Program Elements for Code B Items:	Other Related Program Elements: 0607665A
---	---	---

Resource Summary	Prior Years	FY 2014	FY 2015	FY 2016 Base	FY 2016 OCO	FY 2016 Total	FY 2017	FY 2018	FY 2019	FY 2020	To Complete	Total
Procurement Quantity <i>(Units in Each)</i>	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Cost <i>(\$ in Millions)</i>	103.663	3.800	-	-	-	-	-	-	-	-	-	107.463
Less PY Advance Procurement <i>(\$ in Millions)</i>	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P1) <i>(\$ in Millions)</i>	103.663	3.800	-	-	-	-	-	-	-	-	-	107.463
Plus CY Advance Procurement <i>(\$ in Millions)</i>	-	-	-	-	-	-	-	-	-	-	-	-
Total Obligation Authority <i>(\$ in Millions)</i>	103.663	3.800	-	-	-	-	-	-	-	-	-	107.463

(The following Resource Summary rows are for informational purposes only. The corresponding budget requests are documented elsewhere.)

Initial Spares <i>(\$ in Millions)</i>	-	-	-	-	-	-	-	-	-	-	-	-
Flyaway Unit Cost <i>(\$ in Thousands)</i>	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Unit Cost <i>(\$ in Thousands)</i>	-	-	-	-	-	-	-	-	-	-	-	-

Description:

The Biometrics Enabling Capability (BEC) product office has full life-cycle management responsibility of the upgraded authoritative biometrics enterprise repository system, known as DoD Automated Biometrics Identification System (DoD ABIS). DoD ABIS is an information technology investment that supports identity superiority by providing the critical capability for Warfighters to identify known or suspected terrorists and third country nationals in the course of military operations. DoD ABIS is the authoritative biometrics enterprise system that provides matching, sharing and storing of biometrics data. The capability can receive multi-model biometrics submissions to include iris, face, palm and finger prints from biometrics collection devices, which will support the Warfighter in making, retain, capture or release decisions. The system has a direct impact on the availability of critical intelligence information that is of vital interest to DoD and other government agencies, including Department of Justice (DoJ), Federal Bureau of Investigation (FBI), Department of Homeland Security (DHS), and Department of State (DoS).

Secondary Distribution	FY 2014	FY 2015	FY 2016 Base	FY 2016 OCO	FY 2016 Total	FY 2017	FY 2018	FY 2019	FY 2020
Army	Quantity	-	-	-	-	-	-	-	-
	Total Obligation Authority	3.800	-	-	-	-	-	-	-
Total: Secondary Distribution	Quantity	-	-	-	-	-	-	-	-
	Total Obligation Authority	3.800	-	-	-	-	-	-	-

UNCLASSIFIED

Exhibit P-40, Budget Line Item Justification: PB 2016 Army **Date:** February 2015

Appropriation / Budget Activity / Budget Sub Activity: 2035A: Other Procurement, Army / BA 02: Communications and Electronics Equipment / BSA 64: Information Security	P-1 Line Item Number / Title: BA1300 / FAMILY OF BIOMETRICS
---	---

ID Code (A=Service Ready, B=Not Service Ready) :			Program Elements for Code B Items:			Other Related Program Elements: 0607665A		
Exhibits Schedule			Prior Years	FY 2014	FY 2015	FY 2016 Base	FY 2016 OCO	FY 2016 Total
Title*	Exhibits	ID CD	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)
B01301 / Biometrics Enterprise	P-40a		- / 103.663	- / 3.800	- / -	- / -	- / -	- / -
Total Gross/Weapon System Cost			- / 103.663	- / 3.800	- / -	- / -	- / -	- / -

*Title represents 1) the Number / Title for Items; 2) the Number / Title [DODIC] for Ammunition; and/or 3) the Number / Title (Modification Type) for Modifications.

Note: Totals in this Exhibit P-40 set may not be exact or add due to rounding.

Justification:
 This program has no FY 2016 Base or Overseas Contingency Operations (OCO) procurement requirement, as the system is transitioning to sustainment.

In accordance with Section 1815 of the FY 2008 National Defense Authorization Act (P.L. 110-181), this item is necessary for use by the active and reserve components of the Armed Forces for homeland defense missions, domestic emergency responses, and providing military support to civil authorities.

UNCLASSIFIED

Exhibit P-40a, Budget Item Justification For Aggregated Items: PB 2016 Army															Date: February 2015				
Appropriation / Budget Activity / Budget Sub Activity: 2035A / 02 / 64						P-1 Line Item Number / Title: BA1300 / FAMILY OF BIOMETRICS									Aggregated Items Title: Various				

Note: Subtotals or Totals in this Exhibit P-40a may not be exact or add, due to rounding.

Item Number / Title [DODIC]	ID CD	MDAP/MAIS Code	Prior Years			FY 2014			FY 2015			FY 2016 Base			FY 2016 OCO			FY 2016 Total		
			Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)
Biometrics Enterprise																				
B01301 / Biometrics Enterprise			-	-	103.663	-	-	3.800	-	-	-	-	-	-	-	-	-	-	-	-
<i>Secondary Distribution</i>																				
Army				-	-		-	3.800		-	-		-	-		-	-		-	-
<i>Subtotal: Biometrics Enterprise</i>			-	-	103.663	-	-	3.800	-	-	-	-	-	-	-	-	-	-	-	-
Total			-	-	103.663	-	-	3.800	-	-	-	-	-	-	-	-	-	-	-	-

UNCLASSIFIED

Exhibit P-40, Budget Line Item Justification: PB 2016 Army **Date:** February 2015

Appropriation / Budget Activity / Budget Sub Activity: 2035A: Other Procurement, Army / BA 02: Communications and Electronics Equipment / BSA 64: Information Security	P-1 Line Item Number / Title: TA0600 / Information System Security Program-ISSP
---	---

ID Code (A=Service Ready, B=Not Service Ready) : A	Program Elements for Code B Items:	Other Related Program Elements: 0303140A
---	---	---

Resource Summary	Prior Years	FY 2014	FY 2015	FY 2016 Base	FY 2016 OCO	FY 2016 Total	FY 2017	FY 2018	FY 2019	FY 2020	To Complete	Total
Procurement Quantity <i>(Units in Each)</i>	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Cost <i>(\$ in Millions)</i>	1,516.413	13.245	-	19.920	-	19.920	-	-	-	-	-	1,549.578
Less PY Advance Procurement <i>(\$ in Millions)</i>	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P1) <i>(\$ in Millions)</i>	1,516.413	13.245	-	19.920	-	19.920	-	-	-	-	-	1,549.578
Plus CY Advance Procurement <i>(\$ in Millions)</i>	-	-	-	-	-	-	-	-	-	-	-	-
Total Obligation Authority <i>(\$ in Millions)</i>	1,516.413	13.245	-	19.920	-	19.920	-	-	-	-	-	1,549.578

(The following Resource Summary rows are for informational purposes only. The corresponding budget requests are documented elsewhere.)

Initial Spares <i>(\$ in Millions)</i>	-	-	-	-	-	-	-	-	-	-	-	-
Flyaway Unit Cost <i>(\$ in Thousands)</i>	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Unit Cost <i>(\$ in Thousands)</i>	-	-	-	-	-	-	-	-	-	-	-	-

Description:

The Cryptographic Systems (CS) Program procures and fields Communications Security (COMSEC) solutions to secure the National Network Enterprise. New and emerging architectures, cease key dates, and DoD/Army policy are driving the need to replace current inventory of stove pipe systems with technologically advanced (network centric/Global Information Grid (GIG) compliant) devices that incorporate Chairman of the Joint Chiefs of Staff and Joint Requirements Oversight Council directed cryptographic standardization, advanced key management and network centric performance capabilities. This program enables DoD to equip the force with critical cryptographic solutions and services during peacetime, wartime, and contingency operations. The program consists of three product families: In-Line Network Encryptors (INE), Link/Trunk Encryptors Family (LEF), and Secure Voice. (PD Net E)

The Army-wide Cryptographic Network Standardization (ACNS) effort is to bring cryptographic equipment into compliance with the Army's upgraded data network and Internet Protocol version 6 (IPv6), as mandated by the National Security Agency (NSA) and Chief Information Officer (CIO)/G6. ACNS provides the Army fully modernized equipment and provides Units assistance with system identification, training, integration, network optimization, and property book update. ACNS is an essential project as many of the legacy devices currently in the field will no longer be compliant starting in FY 2015 due to NSA driven cease key dates, resulting in an inability to communicate at classified levels. (PD Net E)

The Defensive Cyberspace Operations (DCO) program provides initial capabilities to Cyber Protection Teams. Teams enable passive and active cyberspace defensive operations to preserve friendly cyberspace capabilities, and protect data, networks, net-centric capabilities, and other designated systems. DCO consists of four critical capabilities:

- DCO-Infrastructure (DCO-I): the hardware and software baseline for remote cyber maneuver based on Defense Advanced Research Projects Agency (DARPA) Plan X Cyber Protection Team (CPT) support: tools that reside inside DCO-I
- Web Vulnerability Scanning: the software baseline to secure key cyber terrain and protect DoD websites
- Big Data Analytics: analytics that leverage Defense Information System Agency (DISA) Acropolis analytics

DCO responds to unauthorized activity or alerts/threat information against the Army enterprise, and leverages intelligence, counterintelligence, law enforcement, and other military capabilities. It includes outmaneuvering adversaries taking or about to take offensive actions against defended networks, or otherwise responding to internal and external cyberspace threats. Internal defense measures include mission assurance actions to dynamically reestablish, re-secure, reroute, reconstitute, or isolate degraded or compromised local networks to ensure sufficient cyberspace access for commanders. The Army's DCO activities are a construct of active cyberspace defenses which provide synchronized, real-time capabilities to discover, detect, analyze, and mitigate threats and vulnerabilities to DoD networks and systems.

UNCLASSIFIED

Exhibit P-40, Budget Line Item Justification: PB 2016 Army							Date: February 2015			
Appropriation / Budget Activity / Budget Sub Activity: 2035A: Other Procurement, Army / BA 02: Communications and Electronics Equipment / BSA 64: Information Security					P-1 Line Item Number / Title: TA0600 / Information System Security Program-ISSP					
ID Code (A=Service Ready, B=Not Service Ready) : A			Program Elements for Code B Items:			Other Related Program Elements: 0303140A				

Secondary Distribution		FY 2014	FY 2015	FY 2016 Base	FY 2016 OCO	FY 2016 Total	FY 2017	FY 2018	FY 2019	FY 2020
Army	Quantity	-	-	-	-	-	-	-	-	-
	Total Obligation Authority	13.245	-	19.920	-	19.920	-	-	-	-
Total: Secondary Distribution	Quantity	-	-	-	-	-	-	-	-	-
	Total Obligation Authority	13.245	-	19.920	-	19.920	-	-	-	-

UNCLASSIFIED

Exhibit P-40, Budget Line Item Justification: PB 2016 Army **Date:** February 2015

Appropriation / Budget Activity / Budget Sub Activity: 2035A: Other Procurement, Army / BA 02: Communications and Electronics Equipment / BSA 64: Information Security	P-1 Line Item Number / Title: TA0600 / Information System Security Program-ISSP
---	---

ID Code (A=Service Ready, B=Not Service Ready) : A			Program Elements for Code B Items:			Other Related Program Elements: 0303140A		
Exhibits Schedule			Prior Years	FY 2014	FY 2015	FY 2016 Base	FY 2016 OCO	FY 2016 Total
Title*	Exhibits	ID CD	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)
TA0600 / Information System Security Program-ISSP	P-5, P-5a	A	- / 1,516.413	- / 13.245	- / -	- / 19.920	- / -	- / 19.920
Total Gross/Weapon System Cost			- / 1,516.413	- / 13.245	- / -	- / 19.920	- / -	- / 19.920

*Title represents 1) the Number / Title for Items; 2) the Number / Title [DODIC] for Ammunition; and/or 3) the Number / Title (Modification Type) for Modifications.

Note: Totals in this Exhibit P-40 set may not be exact or add due to rounding.

Justification:
 FY2016 Base procurement dollars in the amount of \$19.920 million supports procurement of Defensive Cyberspace Operations equipment, engineering, integration, configuration management, testing, training, accreditation, and fielding for defensive cyberspace infrastructure and capabilities as outlined in the following: US Army Cyber Command (ARCYBER) Operational Needs Statements (ONS) 14-19545 for DCO-I dated 6 Jan 14; ONS 14-19420 for Web Scanning dated 29 Oct 13; ONS 14-19419 for Big Data Analytics dated 29 Oct 13; and ONS 14-20079 for CPT Support; as well as the draft US Army Training and Doctrine Command (TRADOC) Information Systems Capability Development Document (IS CDD) for DCO.

In accordance with Section 1815 of the FY2008 National Defense Authorization Act (P.L. 110-181), this item is necessary for use by the active and reserve components of the Armed Forces for homeland defense missions, domestic emergency responses, and providing military support to civil authorities.

UNCLASSIFIED

Exhibit P-5, Cost Analysis: PB 2016 Army						Date: February 2015		
Appropriation / Budget Activity / Budget Sub Activity: 2035A / 02 / 64			P-1 Line Item Number / Title: TA0600 / Information System Security Program-ISSP			Item Number / Title [DODIC]: TA0600 / Information System Security Program-ISSP		
ID Code (A=Service Ready, B=Not Service Ready) : A						MDAP/MAIS Code:		
Resource Summary			Prior Years	FY 2014	FY 2015	FY 2016 Base	FY 2016 OCO	FY 2016 Total
Procurement Quantity (Units in Each)			-	-	-	-	-	-
Gross/Weapon System Cost (\$ in Millions)			1,516.413	13.245	-	19.920	-	19.920
Less PY Advance Procurement (\$ in Millions)			-	-	-	-	-	-
Net Procurement (P1) (\$ in Millions)			1,516.413	13.245	-	19.920	-	19.920
Plus CY Advance Procurement (\$ in Millions)			-	-	-	-	-	-
Total Obligation Authority (\$ in Millions)			1,516.413	13.245	-	19.920	-	19.920
<i>(The following Resource Summary rows are for informational purposes only. The corresponding budget requests are documented elsewhere.)</i>								
Initial Spares (\$ in Millions)			-	-	-	-	-	-
Gross/Weapon System Unit Cost (\$ in Thousands)			-	-	-	-	-	-

Note: Subtotals or Totals in this Exhibit P-5 may not be exact or add, due to rounding.

Cost Elements	Prior Years			FY 2014			FY 2015			FY 2016 Base			FY 2016 OCO			FY 2016 Total		
	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)
Flyaway Cost																		
Recurring Cost																		
BIG DATA HARDWARE ^(†)	-	-	-	-	-	-	-	-	-	525.000	5	2.625	-	-	-	525.000	5	2.625
BIG DATA SOFTWARE ^(†)	-	-	-	-	-	-	-	-	-	175.000	5	0.875	-	-	-	175.000	5	0.875
DCO-I PROJECT MGMT	-	-	-	-	-	-	-	-	-	-	-	3.937	-	-	-	-	-	3.937
DCO-I HARDWARE ^(†)	-	-	-	-	-	-	-	-	-	415.000	3	1.245	-	-	-	415.000	3	1.245
DCO-I SOFTWARE ^(†)	-	-	-	-	-	-	-	-	-	149.000	3	0.447	-	-	-	149.000	3	0.447
CPT PROJECT MGMT	-	-	-	-	-	-	-	-	-	-	-	3.021	-	-	-	-	-	3.021
CPT SOFTWARE ^(†)	-	-	-	-	-	-	-	-	-	3,200.000	1	3.200	-	-	-	3,200.000	1	3.200
WEB SCANNING PROJECT MGMT	-	-	-	-	-	-	-	-	-	-	-	2.044	-	-	-	-	-	2.044
WEB SCANNING SOFTWARE ^(†)	-	-	-	-	-	-	-	-	-	2,526.000	1	2.526	-	-	-	2,526.000	1	2.526
IN-LINE NETWORK ENCRYPTORS (INE) ^(†)	6.896	19,371	133.589	7.000	97	0.679	-	-	-	-	-	-	-	-	-	-	-	-
ARMY-WIDE CRYPTO NETWORK STANDARDIZATIO	-	-	8.075	-	-	2.733	-	-	-	-	-	-	-	-	-	-	-	-

UNCLASSIFIED

Exhibit P-5, Cost Analysis: PB 2016 Army		Date: February 2015
Appropriation / Budget Activity / Budget Sub Activity: 2035A / 02 / 64		P-1 Line Item Number / Title: TA0600 / Information System Security Program-ISSP
ID Code (A=Service Ready, B=Not Service Ready) : A		MDAP/MAIS Code:
Item Number / Title [DODIC]: TA0600 / Information System Security Program-ISSP		

Note: Subtotals or Totals in this Exhibit P-5 may not be exact or add, due to rounding.

Cost Elements	Prior Years			FY 2014			FY 2015			FY 2016 Base			FY 2016 OCO			FY 2016 Total		
	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)
NET	-	-	1.874	-	-	1.356	-	-	-	-	-	-	-	-	-	-	-	-
PROGRAM OFFICE	-	-	2.582	-	-	1.098	-	-	-	-	-	-	-	-	-	-	-	-
CONTRACTOR ENGINEERING SUPPORT	-	-	-	-	-	0.213	-	-	-	-	-	-	-	-	-	-	-	-
PRODUCT SUPPORT/FIELDING	-	-	13.217	-	-	7.166	-	-	-	-	-	-	-	-	-	-	-	-
ELECTRONIC FILL DEVICE	2.125	29,599	62.902	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
LINK/TRUNK ENCRYPTORS	8.248	12,165	100.343	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
FIELDING	-	-	1,028.860	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
KEY MANAGEMENT (EKMS/KMI) Transition	-	-	45.375	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
IFF MODE 5	-	-	0.342	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
NETWORK SECURITY MANAGEMENT TOOLS	-	-	46.288	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
SECURE WIRELESS	3.998	1,679	6.712	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BIOMETRICS (PM)	-	-	35.135	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BIOMETRICS (BIMA)	219.830	100	21.983	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
LINK/TRUNK INSTALLATION KITS	3.090	2,962	9.153	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
<i>Subtotal: Recurring Cost</i>	-	-	<i>1,516.413</i>	-	-	<i>13.245</i>	-	-	-	-	-	<i>19.920</i>	-	-	-	-	-	<i>19.920</i>
<i>Subtotal: Flyaway Cost</i>	-	-	<i>1,516.413</i>	-	-	<i>13.245</i>	-	-	-	-	-	<i>19.920</i>	-	-	-	-	-	<i>19.920</i>
Gross/Weapon System Cost	-	-	1,516.413	-	-	13.245	-	-	-	-	-	19.920	-	-	-	-	-	19.920

Secondary Distribution		FY 2014	FY 2015	FY 2016 Base	FY 2016 OCO	FY 2016 Total
Army	Quantity	-	-	-	-	-
	Total Obligation Authority	13.245	-	19.920	-	19.920
Total:	Quantity	-	-	-	-	-
Secondary Distribution	Total Obligation Authority	13.245	-	19.920	-	19.920

UNCLASSIFIED

Exhibit P-5, Cost Analysis: PB 2016 Army		Date: February 2015
Appropriation / Budget Activity / Budget Sub Activity: 2035A / 02 / 64	P-1 Line Item Number / Title: TA0600 / Information System Security Program-ISSP	Item Number / Title [DODIC]: TA0600 / Information System Security Program-ISSP
ID Code (A=Service Ready, B=Not Service Ready) : A	MDAP/MAIS Code:	
^(†) indicates the presence of a P-5a		

UNCLASSIFIED

Exhibit P-5a, Procurement History and Planning: PB 2016 Army								Date: February 2015				
Appropriation / Budget Activity / Budget Sub Activity: 2035A / 02 / 64			P-1 Line Item Number / Title: TA0600 / Information System Security Program-ISSP					Item Number / Title [DODIC]: TA0600 / Information System Security Program-ISSP				
Cost Elements	O C O	FY	Contractor and Location	Method/Type or Funding Vehicle	Location of PCO	Award Date	Date of First Delivery	Qty <i>(Each)</i>	Unit Cost <i>(\$ K)</i>	Specs Avail Now?	Date Revision Available	RFP Issue Date
BIG DATA HARDWARE		2016	CHESS / ACC-RI, IL	C / IDIQ	CHESS, ACC-RI, IL	Jan 2016	Feb 2016	5	525.000			
BIG DATA SOFTWARE		2016	CHESS / ACC-RI, IL	C / IDIQ	CHESS, ACC-RI, IL	Jan 2016	Feb 2016	5	175.000			
DCO-I HARDWARE		2016	CHESS / ACC-RI, IL	C / IDIQ	CHESS, ACC-RI, IL	Jan 2016	Feb 2016	3	415.000			
DCO-I SOFTWARE		2016	CHESS / ACC-RI, IL	C / IDIQ	CHESS, ACC-RI, IL	Jan 2016	Feb 2016	3	149.000			
CPT SOFTWARE		2016	CHESS / ACC-RI, IL	C / IDIQ	CHESS, ACC-RI, IL	Jan 2016	Feb 2016	1	3,200.000			
WEB SCANNING SOFTWARE		2016	CHESS / ACC-RI, IL	C / IDIQ	CHESS, ACC-RI, IL	Jan 2016	Feb 2016	1	2,526.000			
IN-LINE NETWORK ENCRYPTORS (INE)		2014	NSA / FORT MEADE, MD	C / IDIQ	NSA, FORT MEADE, MD	Jan 2014	Jan 2015	97	7.000			

Remarks:
 Defensive Cyberspace Operations (DCO) items procured are Commercial-Off-The-Shelf (COTS) products from the Computer Hardware Enterprise Software and Solutions (CHESS) contract. CHESS is the Army's designated primary source for commercial information technology (IT). CHESS provides a no-fee flexible procurement strategy through which an Army user may procure COTS IT hardware, software and services via an e-commerce based process. CHESS offers simple, straightforward contract vehicles through its online Army e-commerce ordering system, the IT e-mart. These contracts provide continuous vendor competition for best value and consolidation of requirements to maximize cost avoidance and leverage the Army's buying power.

UNCLASSIFIED

Exhibit P-40, Budget Line Item Justification: PB 2016 Army **Date:** February 2015

Appropriation / Budget Activity / Budget Sub Activity: 2035A: Other Procurement, Army / BA 02: Communications and Electronics Equipment / BSA 64: Information Security	P-1 Line Item Number / Title: B96000 / Communications Security (COMSEC)
---	---

ID Code (A=Service Ready, B=Not Service Ready) : A		Program Elements for Code B Items:					Other Related Program Elements: 0303140A					
Resource Summary	Prior Years	FY 2014	FY 2015	FY 2016 Base	FY 2016 OCO	FY 2016 Total	FY 2017	FY 2018	FY 2019	FY 2020	To Complete	Total
Procurement Quantity (Units in Each)	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Cost (\$ in Millions)	374.997	21.601	69.646	72.257	-	72.257	96.822	120.728	138.019	160.043	Continuing	Continuing
Less PY Advance Procurement (\$ in Millions)	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P1) (\$ in Millions)	374.997	21.601	69.646	72.257	-	72.257	96.822	120.728	138.019	160.043	Continuing	Continuing
Plus CY Advance Procurement (\$ in Millions)	-	-	-	-	-	-	-	-	-	-	-	-
Total Obligation Authority (\$ in Millions)	374.997	21.601	69.646	72.257	-	72.257	96.822	120.728	138.019	160.043	Continuing	Continuing
<i>(The following Resource Summary rows are for informational purposes only. The corresponding budget requests are documented elsewhere.)</i>												
Initial Spares (\$ in Millions)	-	-	-	-	-	-	-	-	-	-	-	-
Flyaway Unit Cost (\$ in Thousands)	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Unit Cost (\$ in Thousands)	-	-	-	58.131	-	58.131	-	-	-	-	Continuing	Continuing

Description:

The Cryptographic Systems (CS) Program procures and fields Communications Security (COMSEC) solutions to secure the National Network Enterprise. New and emerging architectures, cease key dates, and DoD/Army policy are driving the need to replace currently fielded legacy systems with technologically advanced (network centric/Global Information Grid (GIG) compliant) devices that incorporate Chairman of the Joint Chiefs of Staff and Joint Requirements Oversight Council directed cryptographic standardization, advanced key management and network centric performance capabilities. This program enables DoD to equip the force with critical cryptographic solutions and services during peacetime, wartime, and contingency operations. The program consists of four product families: In-Line Network Encryptors (INE), In-Line Media Encryptors (IME), Link/Trunk Encryption Family (LEF), and Secure Voice (SV).

Army Key Management Infrastructure (AKMI) is a Non Program of Record (POR) under PD Network Enablers (PD Net E). The AKMI is the Army's implementation of the National Security Agency's (NSA) Key Management Infrastructure (KMI) ACAT IAM program. KMI automates the functions of Communications Security (COMSEC) electronic key management, control, planning, and distribution. KMI supports the Army's ability to communicate and distribute data on the Army's tactical and strategic networks by limiting adversarial access to, and reducing the vulnerability of, Army Command, Control, Communications, Computers, Intelligence (C4I) systems. KMI provides an integrated, operational environment that brings essential key management functions in-band. AKMI supports Department of Defense (DoD) Global Information Grid (GIG) Net Centric and Crypto Modernization Initiatives and supports emerging requirements transitioned from the Army Key Management System (AKMS). AKMI provides an Over the Network Keying (OTNK) solution to support emerging cryptographically modernized systems. AKMI will continue to support non-modernized legacy equipment until it can be upgraded to operate seamlessly within the AKMI architecture.

The Army Key Management System (AKMS) is the Army's implementation of the National Security Agency's (NSA) Electronic Key Management System (EKMS) program automating the functions of Communications Security (COMSEC) electronic key management, control, planning, and distribution. AKMS supports the Army's ability to communicate and distribute data on the Army's tactical and strategic networks by limiting adversarial access to, and reducing the vulnerability of, Army Command, Control, Communications, Computers, Intelligence (C4I) systems. The AKMS System of Systems (SoS) systems components are the Local COMSEC Management Software (LCMS), Automated Communications Engineering Software (ACES) and Simple Key Loader (SKL). AKMS is an ACAT III Program of Record (POR) under PD Network Enablers (PD Net E). It is the Army's implementation of the NSA's EKMS. The AKMS allows the Army to manage, control, plan, and distribute electronic key for the 1.5 million Cryptographic Units (ECUs) necessary to communicate and distribute data on the Army's tactical and strategic networks.

The Approved Acquisition Objective (AAO) for the AKMS is 174,522 (Fill Devices); AKMI is 855 Management Client Nodes (MGC); Crypto Systems is 153,203 (Encryption Devices).

UNCLASSIFIED

Exhibit P-40, Budget Line Item Justification: PB 2016 Army		Date: February 2015
Appropriation / Budget Activity / Budget Sub Activity: 2035A: Other Procurement, Army / BA 02: Communications and Electronics Equipment / BSA 64: Information Security		P-1 Line Item Number / Title: B96000 / Communications Security (COMSEC)
ID Code (A=Service Ready, B=Not Service Ready) : A	Program Elements for Code B Items:	Other Related Program Elements: 0303140A

Secondary Distribution		FY 2014	FY 2015	FY 2016 Base	FY 2016 OCO	FY 2016 Total	FY 2017	FY 2018	FY 2019	FY 2020
Army	Quantity	-	-	-	-	-	-	-	-	-
	Total Obligation Authority	21.601	64.774	70.489	-	70.489	90.731	116.625	136.654	154.470
ANG	Quantity	-	-	-	-	-	-	-	-	-
	Total Obligation Authority	-	3.248	1.178	-	1.178	4.060	2.735	0.910	3.715
AR	Quantity	-	-	-	-	-	-	-	-	-
	Total Obligation Authority	-	1.624	0.590	-	0.590	2.031	1.368	0.455	1.858
Total: Secondary Distribution	Quantity	-	-	-	-	-	-	-	-	-
	Total Obligation Authority	21.601	69.646	72.257	-	72.257	96.822	120.728	138.019	160.043

UNCLASSIFIED

Exhibit P-40, Budget Line Item Justification: PB 2016 Army **Date:** February 2015

Appropriation / Budget Activity / Budget Sub Activity:
 2035A: Other Procurement, Army / BA 02: Communications and Electronics
 Equipment / BSA 64: Information Security

P-1 Line Item Number / Title:
 B96000 / Communications Security (COMSEC)

ID Code (A=Service Ready, B=Not Service Ready) : A **Program Elements for Code B Items:** **Other Related Program Elements:** 0303140A

Exhibits Schedule			Prior Years	FY 2014	FY 2015	FY 2016 Base	FY 2016 OCO	FY 2016 Total
Title*	Exhibits	ID CD	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)
B96002 / CRYPTOGRAPHIC SYSTEMS (CRYPTO SYS)	P-5, P-5a	A	- / -	- / 4.334	- / 18.151	- / 16.206	- / -	- / 16.206
B96004 / KEY MANAGEMENT INFRASTRUCTURE	P-5, P-5a		- / -	- / 3.377	- / 41.113	- / 45.678	- / -	- / 45.678
BA1201 / TSEC - Army Key Mgt Sys (AKMS)	P-5		- / 374.997	- / 13.890	- / 10.382	- / 10.373	- / -	- / 10.373
Total Gross/Weapon System Cost			- / 374.997	- / 21.601	- / 69.646	- / 72.257	- / -	- / 72.257

*Title represents 1) the Number / Title for Items; 2) the Number / Title [DODIC] for Ammunition; and/or 3) the Number / Title (Modification Type) for Modifications.

Note: Totals in this Exhibit P-40 set may not be exact or add due to rounding.

Justification:

In FY 2016, PD COMSEC funding of \$72.257 Million supports three sub-programs.

FY 2016 base procurement dollars, in the amount of \$16.206 Million, will be primarily utilized to procure modern In-Line Network Encryption (INE) and In-Line Media Encryption (IME) devices. A portion of these funds will support the continuing Army-wide Cryptographic Network Standardization (ACNS) effort.

FY2016 base procurement dollars in the amount of \$45.678 supports the procurement, fielding, depot support and New Equipment Training (NET) for KMI MGCs, NGLD fill devices, J-TNT and ACES laptops. It also provides associated government and contractor engineering support, Post Deployment Software support, system technical and software support of the AKMI SoS components. Funding enables modifications in the AKMI SoS to support the transition of AKMS components to KMI standards compliance and to support legacy and emerging ECU's ability to communicate within the KMI architecture.

FY 2016 base procurement dollars in the amount of \$10.373M supports continuing Post Deployment Software Support (PDSS) efforts for legacy AKMS components, operational support for deployed and sustaining forces, technical engineering & support, associated government and contractor engineering support, and the development and updating of Web based training for AKMS components to augment in-class delta and sustainment training. The PDSS effort is an OPA requirement because of the new capabilities that are required to be implemented into key management products based on the evolution of the network and end cryptographic units. The changes in capability do not allow the operational support to be transitioned to sustainment. The PDSS contract for all key management products has been optimized and requirements continuously assessed to ensure that it is fiscally sound. The AKMS SoS supports the transition to AKMI, the Army's implementation of NSA's KMI ACAT IAM program in accordance with the EKMS Tier 2 Sunset date of December 2017. Continued support for the AKMS SoS is critical until KMI is fully operational and fielded. The current SKL fleet will require support through at least 2025. Modernization of fill devices and emerging radio planning and configuration requirements are supported through the Army's KMI funding line (B96004).

It is the PdD's intent to incrementally migrate the AKMS funding line to the AKMI funding line beginning in FY2017, provided that the sunset date of December 2017 is met. Recent developments at the NSA Program Management Office (PMO) may cause additional schedule slippages to the complete standup of the KMI infrastructure. This presents a potential risk which may require the AKMS funding line to be maintained at steady state beyond 2017, if the planned sunset date is not met.

IAW Section 1815 of the FY08 NDAA this item is necessary for use by the active components and reserve components of the Armed Forces for homeland defense missions, domestic emergency responses, and providing military support to civil authorities.

UNCLASSIFIED

Exhibit P-5, Cost Analysis: PB 2016 Army		Date: February 2015
Appropriation / Budget Activity / Budget Sub Activity: 2035A / 02 / 64		P-1 Line Item Number / Title: B96000 / Communications Security (COMSEC)
		Item Number / Title [DODIC]: B96002 / CRYPTOGRAPHIC SYSTEMS (CRYPTO SYS)

ID Code (A=Service Ready, B=Not Service Ready) : A	MDAP/MAIS Code:
---	------------------------

Resource Summary	Prior Years	FY 2014	FY 2015	FY 2016 Base	FY 2016 OCO	FY 2016 Total
Procurement Quantity (Units in Each)	-	-	-	-	-	-
Gross/Weapon System Cost (\$ in Millions)	-	4.334	18.151	16.206	-	16.206
Less PY Advance Procurement (\$ in Millions)	-	-	-	-	-	-
Net Procurement (P1) (\$ in Millions)	-	4.334	18.151	16.206	-	16.206
Plus CY Advance Procurement (\$ in Millions)	-	-	-	-	-	-
Total Obligation Authority (\$ in Millions)	-	4.334	18.151	16.206	-	16.206

(The following Resource Summary rows are for informational purposes only. The corresponding budget requests are documented elsewhere.)

Initial Spares (\$ in Millions)	-	-	-	-	-	-
Gross/Weapon System Unit Cost (\$ in Thousands)	-	-	-	18.479	-	18.479

Note: Subtotals or Totals in this Exhibit P-5 may not be exact or add, due to rounding.

Cost Elements	Prior Years			FY 2014			FY 2015			FY 2016 Base			FY 2016 OCO			FY 2016 Total		
	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)
Flyaway Cost																		
Recurring Cost																		
SECURE VOICE ^(†)	-	-	-	8.600	50	0.430	-	-	-	3.206	180	0.577	-	-	-	3.206	180	0.577
IN-LINE NETWORK ENCRYPTORS (INE) ^(†)	-	-	-	1.719	235	0.404	2.470	3,054	7.543	6.367	597	3.801	-	-	-	6.367	597	3.801
IN-LINE MEDIA ENCRYPTORS (IME) ^(†)	-	-	-	-	-	-	-	-	-	10.700	100	1.070	-	-	-	10.700	100	1.070
ARMY-WIDE CRYPTO NETWORK STANDARDIZATION	-	-	-	-	-	0.894	-	-	2.109	-	-	1.891	-	-	-	-	-	1.891
PROGRAM OFFICE	-	-	-	-	-	0.359	-	-	1.486	-	-	1.515	-	-	-	-	-	1.515
CONTRACTOR ENGINEERING SUPPORT	-	-	-	-	-	0.071	-	-	0.287	-	-	0.293	-	-	-	-	-	0.293
NET	-	-	-	-	-	0.444	-	-	1.312	-	-	1.617	-	-	-	-	-	1.617
PRODUCT SUPPORT/FIELDING	-	-	-	-	-	1.732	-	-	5.414	-	-	5.442	-	-	-	-	-	5.442
<i>Subtotal: Recurring Cost</i>	-	-	-	-	-	4.334	-	-	18.151	-	-	16.206	-	-	-	-	-	16.206
<i>Subtotal: Flyaway Cost</i>	-	-	-	-	-	4.334	-	-	18.151	-	-	16.206	-	-	-	-	-	16.206
Gross/Weapon System Cost	-	-	-	-	-	4.334	-	-	18.151	18.479	-	16.206	-	-	-	18.479	-	16.206

UNCLASSIFIED

Exhibit P-5, Cost Analysis: PB 2016 Army		Date: February 2015
Appropriation / Budget Activity / Budget Sub Activity: 2035A / 02 / 64	P-1 Line Item Number / Title: B96000 / Communications Security (COMSEC)	Item Number / Title [DODIC]: B96002 / CRYPTOGRAPHIC SYSTEMS (CRYPTO SYS)

ID Code (A=Service Ready, B=Not Service Ready) : A		MDAP/MAIS Code:				
Secondary Distribution		FY 2014	FY 2015	FY 2016 Base	FY 2016 OCO	FY 2016 Total
Army	Quantity	-	-	-	-	-
	Total Obligation Authority	4.334	13.279	14.652	-	14.652
ANG	Quantity	-	-	-	-	-
	Total Obligation Authority	-	3.248	1.036	-	1.036
AR	Quantity	-	-	-	-	-
	Total Obligation Authority	-	1.624	0.518	-	0.518
Total:	Quantity	-	-	-	-	-
Secondary Distribution	Total Obligation Authority	4.334	18.151	16.206	-	16.206

(t) indicates the presence of a P-5a

UNCLASSIFIED

Exhibit P-5a, Procurement History and Planning: PB 2016 Army							Date: February 2015					
Appropriation / Budget Activity / Budget Sub Activity: 2035A / 02 / 64			P-1 Line Item Number / Title: B96000 / Communications Security (COMSEC)				Item Number / Title [DODIC]: B96002 / CRYPTOGRAPHIC SYSTEMS (CRYPTO SYS)					

Cost Elements	O C O	FY	Contractor and Location	Method/Type or Funding Vehicle	Location of PCO	Award Date	Date of First Delivery	Qty <i>(Each)</i>	Unit Cost <i>(\$ K)</i>	Specs Avail Now?	Date Revision Available	RFP Issue Date
SECURE VOICE		2014	NSA / FORT MEADE	C / IDIQ	NSA, FT MEADE, MD	Jan 2014	Jan 2015	50	8.600	N		
IN-LINE NETWORK ENCRYPTORS (INE)		2014	NSA / FORT MEADE	C / IDIQ	NSA, FT MEADE, MD	Jan 2014	Jan 2015	235	1.719	N		
IN-LINE NETWORK ENCRYPTORS (INE)		2015	NSA / FORT MEADE	C / IDIQ	NSA, FT MEADE, MD	Jan 2015	Jan 2016	3,054	2.470	N		
IN-LINE NETWORK ENCRYPTORS (INE)		2016	NSA / FORT MEADE	C / IDDQ	NSA, FT MEADE, MD	Jan 2016	Jan 2017	597	6.367	N		
IN-LINE MEDIA ENCRYPTORS (IME)		2016	NSA / FORT MEADE	C / IDIQ	NSA, FT MEADE, MD	Jan 2016	Jan 2017	100	10.700	N		

Remarks:
The items procured are COTS or GOTS.

UNCLASSIFIED

Exhibit P-5, Cost Analysis: PB 2016 Army		Date: February 2015
Appropriation / Budget Activity / Budget Sub Activity: 2035A / 02 / 64	P-1 Line Item Number / Title: B96000 / Communications Security (COMSEC)	Item Number / Title [DODIC]: B96004 / KEY MANAGEMENT INFRASTRUCTURE

ID Code (A=Service Ready, B=Not Service Ready) :	MDAP/MAIS Code:
---	------------------------

Resource Summary	Prior Years	FY 2014	FY 2015	FY 2016 Base	FY 2016 OCO	FY 2016 Total
Procurement Quantity (Units in Each)	-	-	-	-	-	-
Gross/Weapon System Cost (\$ in Millions)	-	3.377	41.113	45.678	-	45.678
Less PY Advance Procurement (\$ in Millions)	-	-	-	-	-	-
Net Procurement (P1) (\$ in Millions)	-	3.377	41.113	45.678	-	45.678
Plus CY Advance Procurement (\$ in Millions)	-	-	-	-	-	-
Total Obligation Authority (\$ in Millions)	-	3.377	41.113	45.678	-	45.678

(The following Resource Summary rows are for informational purposes only. The corresponding budget requests are documented elsewhere.)

Initial Spares (\$ in Millions)	-	-	-	-	-	-
Gross/Weapon System Unit Cost (\$ in Thousands)	-	-	-	125.145	-	125.145

Note: Subtotals or Totals in this Exhibit P-5 may not be exact or add, due to rounding.

Cost Elements	Prior Years			FY 2014			FY 2015			FY 2016 Base			FY 2016 OCO			FY 2016 Total		
	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)
Flyaway Cost																		
Recurring Cost																		
PMO	-	-	-	-	-	-	-	-	2.706	-	-	2.787	-	-	-	-	-	2.787
Government Engineering	-	-	-	-	-	-	-	-	2.211	-	-	2.277	-	-	-	-	-	2.277
Contractor Engineering	-	-	-	-	-	-	-	-	1.214	-	-	1.250	-	-	-	-	-	1.250
MGC Procurement ^(†)	-	-	-	16.885	200	3.377	18.166	145	2.634	-	-	-	-	-	-	-	-	-
ACES Procurement ^(†)	-	-	-	-	-	-	-	-	-	1.852	149	0.276	-	-	-	1.852	149	0.276
NGLD Small Procurement ^(†)	-	-	-	-	-	-	-	-	-	1.398	216	0.302	-	-	-	1.398	216	0.302
Fill Device Modifications	-	-	-	-	-	-	-	-	10.499	-	-	15.687	-	-	-	-	-	15.687
Fielding/NET/Log Spt	-	-	-	-	-	-	-	-	6.966	-	-	7.174	-	-	-	-	-	7.174
Depot Support	-	-	-	-	-	-	-	-	6.022	-	-	6.388	-	-	-	-	-	6.388
SKL Support	-	-	-	-	-	-	-	-	2.346	-	-	2.552	-	-	-	-	-	2.552
Post Deployment Software Support	-	-	-	-	-	-	-	-	6.515	-	-	6.986	-	-	-	-	-	6.986
<i>Subtotal: Recurring Cost</i>	-	-	-	-	-	3.377	-	-	41.113	-	-	45.679	-	-	-	-	-	45.679
<i>Subtotal: Flyaway Cost</i>	-	-	-	-	-	3.377	-	-	41.113	-	-	45.679	-	-	-	-	-	45.679
Gross/Weapon System Cost	-	-	-	-	-	3.377	-	-	41.113	125.145	-	45.678	-	-	-	125.145	-	45.678

UNCLASSIFIED

Exhibit P-5, Cost Analysis: PB 2016 Army		Date: February 2015
Appropriation / Budget Activity / Budget Sub Activity: 2035A / 02 / 64	P-1 Line Item Number / Title: B96000 / Communications Security (COMSEC)	Item Number / Title [DODIC]: B96004 / KEY MANAGEMENT INFRASTRUCTURE

ID Code (A=Service Ready, B=Not Service Ready) :		MDAP/MAIS Code:				
Secondary Distribution		FY 2014	FY 2015	FY 2016 Base	FY 2016 OCO	FY 2016 Total
Army	Quantity	-	-	-	-	-
	Total Obligation Authority	3.377	41.113	45.464	-	45.464
ANG	Quantity	-	-	-	-	-
	Total Obligation Authority	-	-	0.142	-	0.142
AR	Quantity	-	-	-	-	-
	Total Obligation Authority	-	-	0.072	-	0.072
Total: Secondary Distribution	Quantity	-	-	-	-	-
	Total Obligation Authority	3.377	41.113	45.678	-	45.678

(t) indicates the presence of a P-5a

UNCLASSIFIED

Exhibit P-5a, Procurement History and Planning: PB 2016 Army								Date: February 2015				
Appropriation / Budget Activity / Budget Sub Activity: 2035A / 02 / 64			P-1 Line Item Number / Title: B96000 / Communications Security (COMSEC)					Item Number / Title [DODIC]: B96004 / KEY MANAGEMENT INFRASTRUCTURE				
Cost Elements	O C O	FY	Contractor and Location	Method/Type or Funding Vehicle	Location of PCO	Award Date	Date of First Delivery	Qty (Each)	Unit Cost (\$ K)	Specs Avail Now?	Date Revision Available	RFP Issue Date
MGC Procurement		2014	NSA / Ft. Meade MD	MIPR	Linthicum, MD	Mar 2014	Mar 2015	200	16.885	N		
MGC Procurement		2015	NSA / Ft. Meade MD	MIPR	Linthicum, MD	Mar 2015	Mar 2016	145	18.166	N		
ACES Procurement		2016	TBD / TBD	C / TBD	Aberdeen PG Acquisition	Jan 2016	Jan 2017	149	1.852	N		
NGLD Small Procurement		2016	TBD / TBD	MIPR	TBD	Nov 2015	Jan 2016	216	1.398	N		

UNCLASSIFIED

Exhibit P-5, Cost Analysis: PB 2016 Army		Date: February 2015
Appropriation / Budget Activity / Budget Sub Activity: 2035A / 02 / 64		P-1 Line Item Number / Title: B96000 / Communications Security (COMSEC)
		Item Number / Title [DODIC]: BA1201 / TSEC - Army Key Mgt Sys (AKMS)

ID Code (A=Service Ready, B=Not Service Ready) :	MDAP/MAIS Code:
---	------------------------

Resource Summary	Prior Years	FY 2014	FY 2015	FY 2016 Base	FY 2016 OCO	FY 2016 Total
Procurement Quantity (Units in Each)	-	-	-	-	-	-
Gross/Weapon System Cost (\$ in Millions)	374.997	13.890	10.382	10.373	-	10.373
Less PY Advance Procurement (\$ in Millions)	-	-	-	-	-	-
Net Procurement (P1) (\$ in Millions)	374.997	13.890	10.382	10.373	-	10.373
Plus CY Advance Procurement (\$ in Millions)	-	-	-	-	-	-
Total Obligation Authority (\$ in Millions)	374.997	13.890	10.382	10.373	-	10.373

(The following Resource Summary rows are for informational purposes only. The corresponding budget requests are documented elsewhere.)

Initial Spares (\$ in Millions)	-	-	-	-	-	-
Gross/Weapon System Unit Cost (\$ in Thousands)	-	-	-	10,373.000	-	10,373.000

Note: Subtotals or Totals in this Exhibit P-5 may not be exact or add, due to rounding.

Cost Elements	Prior Years			FY 2014			FY 2015			FY 2016 Base			FY 2016 OCO			FY 2016 Total		
	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)
Flyaway Cost																		
Recurring Cost																		
PMO	-	-	292.033	-	-	1.437	-	-	1.545	-	-	1.585	-	-	-	-	-	1.585
Gov't Engineering	-	-	12.787	-	-	0.854	-	-	2.210	-	-	2.276	-	-	-	-	-	2.276
Contractor Engineering	-	-	10.816	-	-	4.498	-	-	1.214	-	-	1.320	-	-	-	-	-	1.320
Fielding/NET/Log Spt	-	-	3.331	-	-	0.401	-	-	1.433	-	-	0.912	-	-	-	-	-	0.912
Sys Tech and SW Support	-	-	12.545	-	-	2.103	-	-	0.717	-	-	0.728	-	-	-	-	-	0.728
Post Deployment Software Support (SKL)	-	-	8.846	-	-	1.742	-	-	-	-	-	-	-	-	-	-	-	-
Post Deployment Software Support (ACES)	-	-	3.567	-	-	1.902	-	-	-	-	-	-	-	-	-	-	-	-
PDSS/ Helpdesk Support	-	-	14.320	-	-	-	-	-	3.263	-	-	3.552	-	-	-	-	-	3.552
SKL Support	-	-	9.668	-	-	0.753	-	-	-	-	-	-	-	-	-	-	-	-
Depot Support	-	-	7.084	-	-	0.200	-	-	-	-	-	-	-	-	-	-	-	-
<i>Subtotal: Recurring Cost</i>	-	-	<i>374.997</i>	-	-	<i>13.890</i>	-	-	<i>10.382</i>	-	-	<i>10.373</i>	-	-	-	-	-	<i>10.373</i>
<i>Subtotal: Flyaway Cost</i>	-	-	<i>374.997</i>	-	-	<i>13.890</i>	-	-	<i>10.382</i>	-	-	<i>10.373</i>	-	-	-	-	-	<i>10.373</i>
Gross/Weapon System Cost	-	-	374.997	-	-	13.890	-	-	10.382	10,373.000	-	10.373	-	-	-	10,373.000	-	10.373

UNCLASSIFIED

Exhibit P-5, Cost Analysis: PB 2016 Army		Date: February 2015
Appropriation / Budget Activity / Budget Sub Activity: 2035A / 02 / 64	P-1 Line Item Number / Title: B96000 / Communications Security (COMSEC)	Item Number / Title [DODIC]: BA1201 / TSEC - Army Key Mgt Sys (AKMS)

ID Code (A=Service Ready, B=Not Service Ready) : **MDAP/MAIS Code:**

Secondary Distribution		FY 2014	FY 2015	FY 2016 Base	FY 2016 OCO	FY 2016 Total
Army	Quantity	-	-	-	-	-
	Total Obligation Authority	13.890	10.382	10.373	-	10.373
Total: Secondary Distribution	Quantity	-	-	-	-	-
	Total Obligation Authority	13.890	10.382	10.373	-	10.373

UNCLASSIFIED

Exhibit P-40, Budget Line Item Justification: PB 2016 Army **Date:** February 2015

Appropriation / Budget Activity / Budget Sub Activity: 2035A: Other Procurement, Army / BA 02: Communications and Electronics Equipment / BSA 72: Comm - Long Haul Communications	P-1 Line Item Number / Title: BU4160 / Base Support Communications
--	--

ID Code (A=Service Ready, B=Not Service Ready) :		Program Elements for Code B Items:						Other Related Program Elements:				
Resource Summary	Prior Years	FY 2014	FY 2015	FY 2016 Base	FY 2016 OCO	FY 2016 Total	FY 2017	FY 2018	FY 2019	FY 2020	To Complete	Total
Procurement Quantity (Units in Each)	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Cost (\$ in Millions)	646.140	29.795	28.913	16.082	-	16.082	17.659	36.245	35.415	34.085	Continuing	Continuing
Less PY Advance Procurement (\$ in Millions)	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P1) (\$ in Millions)	646.140	29.795	28.913	16.082	-	16.082	17.659	36.245	35.415	34.085	Continuing	Continuing
Plus CY Advance Procurement (\$ in Millions)	-	-	-	-	-	-	-	-	-	-	-	-
Total Obligation Authority (\$ in Millions)	646.140	29.795	28.913	16.082	-	16.082	17.659	36.245	35.415	34.085	Continuing	Continuing
<i>(The following Resource Summary rows are for informational purposes only. The corresponding budget requests are documented elsewhere.)</i>												
Initial Spares (\$ in Millions)	-	-	-	-	-	-	-	-	-	-	-	-
Flyaway Unit Cost (\$ in Thousands)	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Unit Cost (\$ in Thousands)	-	-	-	-	-	-	-	-	-	-	-	-

Description:

This program funds Army-wide non-tactical installation Land Mobile Radio (LMR) systems and radios, and two years of Interim Contractor Support (ICS) for LMR system maintenance. LMR systems are commercial solutions that provide mobile and portable communications for garrison public safety, force protection, homeland security, and facilities maintenance operations. The primary users of LMR are emergency response personnel, including installation military police, fire departments, and medical personnel. These personnel use LMR to synchronize emergency response efforts and for critical communications support during dispatch, mobilization, deployment, and operations. Without adequate communications capabilities that readily enable coordination, maximize the use of scarce radio spectrum, and provide secure voice transmissions, emergency responders and base support personnel would be significantly constrained in their ability to perform key functions. LMR provides Army interoperability with state and local fire protection and law enforcement agencies critical to ensuring effective incident response via mutual aid agreements. The LMR Program modernization of installation radio systems enables compliance with the National Telecommunications and Information Administration (NTIA) mandated migration from wideband LMR systems. LMR systems are key components of the Army Enterprise used to provide a seamless communications network in support of base level communications and infrastructure.

Secondary Distribution		FY 2014	FY 2015	FY 2016 Base	FY 2016 OCO	FY 2016 Total	FY 2017	FY 2018	FY 2019	FY 2020
Army	Quantity	-	-	-	-	-	-	-	-	-
	Total Obligation Authority	29.795	28.913	16.082	-	16.082	17.659	36.245	35.415	34.085
Total: Secondary Distribution	Quantity	-	-	-	-	-	-	-	-	-
	Total Obligation Authority	29.795	28.913	16.082	-	16.082	17.659	36.245	35.415	34.085

UNCLASSIFIED

Exhibit P-40, Budget Line Item Justification: PB 2016 Army **Date:** February 2015

Appropriation / Budget Activity / Budget Sub Activity: 2035A: Other Procurement, Army / BA 02: Communications and Electronics Equipment / BSA 72: Comm - Long Haul Communications	P-1 Line Item Number / Title: BU4160 / Base Support Communications
--	--

ID Code (A=Service Ready, B=Not Service Ready) :			Program Elements for Code B Items:			Other Related Program Elements:		
Exhibits Schedule			Prior Years	FY 2014	FY 2015	FY 2016 Base	FY 2016 OCO	FY 2016 Total
Title*	Exhibits	ID CD	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)
BU4160 / Base Support Communications	P-5, P-5a		- / 646.140	- / 29.795	- / 28.913	- / 16.082	- / -	- / 16.082
Total Gross/Weapon System Cost			- / 646.140	- / 29.795	- / 28.913	- / 16.082	- / -	- / 16.082

*Title represents 1) the Number / Title for Items; 2) the Number / Title [DODIC] for Ammunition; and/or 3) the Number / Title (Modification Type) for Modifications.

Note: Totals in this Exhibit P-40 set may not be exact or add due to rounding.

Justification:
 FY 2016 Base funding in the amount of \$16.082 million procures and modernizes garrison LMR systems for two installations in the continental US (CONUS), and US Army Garrison Japan, and provides two years of Contractor Support (CS) for LMR system engineering. Existing systems do not meet DoD and Army standards, are obsolete, are no longer supported by the manufacturer, and/or are non-compliant with the NTIA spectrum efficiency mandate. Power projection and power support Army installations across the continental US (CONUS) and the Pacific Area of Operations rely on base support LMR systems as a primary means to support force protection, public safety, installation management, and homeland security missions.

In accordance with Sections 1815 of the FY 2008 National Defense Authorization Act (P.L. 110-181), this item is necessary for use by the active and reserve components of the Armed Forces for homeland defense missions, domestic emergency responses, and providing military support to civil authorities.

UNCLASSIFIED

Exhibit P-5, Cost Analysis: PB 2016 Army		Date: February 2015
Appropriation / Budget Activity / Budget Sub Activity: 2035A / 02 / 72	P-1 Line Item Number / Title: BU4160 / Base Support Communications	Item Number / Title [DODIC]: BU4160 / Base Support Communications

ID Code (A=Service Ready, B=Not Service Ready) :	MDAP/MAIS Code:
---	------------------------

Resource Summary	Prior Years	FY 2014	FY 2015	FY 2016 Base	FY 2016 OCO	FY 2016 Total
Procurement Quantity (Units in Each)	-	-	-	-	-	-
Gross/Weapon System Cost (\$ in Millions)	646.140	29.795	28.913	16.082	-	16.082
Less PY Advance Procurement (\$ in Millions)	-	-	-	-	-	-
Net Procurement (P1) (\$ in Millions)	646.140	29.795	28.913	16.082	-	16.082
Plus CY Advance Procurement (\$ in Millions)	-	-	-	-	-	-
Total Obligation Authority (\$ in Millions)	646.140	29.795	28.913	16.082	-	16.082

(The following Resource Summary rows are for informational purposes only. The corresponding budget requests are documented elsewhere.)

Initial Spares (\$ in Millions)	-	-	-	-	-	-
Gross/Weapon System Unit Cost (\$ in Thousands)	-	-	-	-	-	-

Note: Subtotals or Totals in this Exhibit P-5 may not be exact or add, due to rounding.

Cost Elements	Prior Years			FY 2014			FY 2015			FY 2016 Base			FY 2016 OCO			FY 2016 Total		
	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)
Hardware Cost																		
Non Recurring Cost																		
Commercial LMR Systems ^(t)	298,070.000	2	596.140	-	-	26.196	6,275.000	4	25.100	5,478.000	2	10.956	-	-	-	5,478.000	2	10.956
Interim Contractor Support ^(t)	-	-	-	-	-	-	-	-	-	541.000	2	1.082	-	-	-	541.000	2	1.082
Engineering and Program Management ^(t)	50,000.000	1	50.000	-	-	3.599	3,813.000	1	3.813	4,044.000	1	4.044	-	-	-	4,044.000	1	4.044
<i>Subtotal: Non Recurring Cost</i>	-	-	646.140	-	-	29.795	-	-	28.913	-	-	16.082	-	-	-	-	-	16.082
<i>Subtotal: Hardware Cost</i>	-	-	646.140	-	-	29.795	-	-	28.913	-	-	16.082	-	-	-	-	-	16.082
Gross/Weapon System Cost	-	-	646.140	-	-	29.795	-	-	28.913	-	-	16.082	-	-	-	-	-	16.082

Secondary Distribution	FY 2014	FY 2015	FY 2016 Base	FY 2016 OCO	FY 2016 Total
Army					
Quantity	-	-	-	-	-
Total Obligation Authority	29.795	28.913	16.082	-	16.082
Total: Secondary Distribution					
Quantity	-	-	-	-	-
Total Obligation Authority	29.795	28.913	16.082	-	16.082

^(t) indicates the presence of a P-5a

UNCLASSIFIED

Exhibit P-5a, Procurement History and Planning: PB 2016 Army **Date:** February 2015

Appropriation / Budget Activity / Budget Sub Activity: 2035A / 02 / 72	P-1 Line Item Number / Title: BU4160 / Base Support Communications	Item Number / Title [DODIC]: BU4160 / Base Support Communications
--	--	---

Cost Elements	O C O	FY	Contractor and Location	Method/Type or Funding Vehicle	Location of PCO	Award Date	Date of First Delivery	Qty <i>(Each)</i>	Unit Cost <i>(\$ K)</i>	Specs Avail Now?	Date Revision Available	RFP Issue Date
Commercial LMR Systems		2014	Motorola / Columbia, MD	C / FFP	ACC APG, APG, MD	Jun 2014	Jul 2014	-	-	N		Mar 2014
Commercial LMR Systems		2015	TBD / TBD	C / FFP	ACC RI, Rock Island, IL	Jun 2015	Jul 2015	4	6,275.000	N		
Commercial LMR Systems		2016	TBD / TBD	C / FFP	ACC RI, Rock Island, IL	Jun 2016	Jul 2016	2	5,478.000	N		
Interim Contractor Support		2016	TBD / TBD	C / FFP	ACC RI, Rock Island, IL	Jun 2016	Jul 2016	2	541.000	N		
Engineering and Program Management		2014	ISEC, Ft. Detrick, MD / .	C / FFP	ISEC, Fort Detrick, MD	Nov 2013	Nov 2013	-	-	N		
Engineering and Program Management		2015	TBD / TBD	C / FFP	ISEC, Fort Detrick, MD	Nov 2014	Nov 2014	1	3,813.000	N		
Engineering and Program Management		2016	TBD / TBD	C / FFP	ISEC, Fort Detrick, MD	Nov 2015	Nov 2015	1	4,044.000	N		

Remarks:

All IT procurements consist of Cost Commercial Off-The-Shelf (COTS) solutions; all quantities and unit costs vary by project, system configuration, and site. ACC APG - Army Contract Command Aberdeen Proving Ground; PEO EIS - Program Executive Office Enterprise Information Systems; PM DCATS - Project Manager, Defense Communications and Army Transmission Systems; PD LMR - Product Director, Land Mobile Radios; ACC RI - Army Contracting Command Rock Island; ISEC - Information Systems Engineering Command.

UNCLASSIFIED

Exhibit P-40, Budget Line Item Justification: PB 2016 Army **Date:** February 2015

Appropriation / Budget Activity / Budget Sub Activity: 2035A: Other Procurement, Army / BA 02: Communications and Electronics Equipment / BSA 73: Comm - Base Communications	P-1 Line Item Number / Title: BB8650 / Information Systems
---	--

ID Code (A=Service Ready, B=Not Service Ready) :		Program Elements for Code B Items:					Other Related Program Elements:					
Resource Summary	Prior Years	FY 2014	FY 2015	FY 2016 Base	FY 2016 OCO	FY 2016 Total	FY 2017	FY 2018	FY 2019	FY 2020	To Complete	Total
Procurement Quantity (Units in Each)	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Cost (\$ in Millions)	3,793.121	76.157	97.091	86.037	-	86.037	61.248	77.686	61.423	61.741	Continuing	Continuing
Less PY Advance Procurement (\$ in Millions)	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P1) (\$ in Millions)	3,793.121	76.157	97.091	86.037	-	86.037	61.248	77.686	61.423	61.741	Continuing	Continuing
Plus CY Advance Procurement (\$ in Millions)	-	-	-	-	-	-	-	-	-	-	-	-
Total Obligation Authority (\$ in Millions)	3,793.121	76.157	97.091	86.037	-	86.037	61.248	77.686	61.423	61.741	Continuing	Continuing
<i>(The following Resource Summary rows are for informational purposes only. The corresponding budget requests are documented elsewhere.)</i>												
Initial Spares (\$ in Millions)	-	-	-	-	-	-	-	-	-	-	-	-
Flyaway Unit Cost (\$ in Thousands)	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Unit Cost (\$ in Thousands)	-	-	-	-	-	-	-	-	-	-	-	-

Description:

In accordance with Section 1815 of FY 2008 National Defense Authorization Act (P.L. 110-181), this item is necessary for use by the active and reserve components of the Armed Forces for homeland defense missions, domestic emergency responses, and providing military support to civil authorities.

This budget line does not procure weapons systems or produce end items. All Information Technology (IT) procurements consist of COTS/GOTS solutions; all quantities and unit cost vary by project, system configuration, and site.

This program provides engineering, quality assurance, and Information Systems infrastructure (common user voice, data, video networks) in support of Military Construction Army (MCA) and Sustainment, Restoration, and Modernization (SRM) projects. It supplies non-tactical telecommunications equipment and engineering services for Army base operations. When required due to MCA or SRM projects, this program provides upgrades to regional or Theater Information Systems infrastructure, as well as physical plant infrastructure that directly support those Information Systems assets. This program delivers standardized operational processes and procedures, providing the Army with consistent integration, synchronization, and delivery of voice, data, imagery, applications, and network capabilities down to the individuals in both the operating force and generating force Army-wide. In conjunction with MCA or SRM projects, this program also provides funding for organization-specific command and control Information Systems requirements necessary to equip a new or modernized facility to a mission-ready state ahead of the physical relocation of the occupant organization.

PROPONENT/MISSION IT-MCA/PHYSICAL RELOCATION:

This program funds organization-specific command and control Information Systems requirements necessary to relocate and equip an organization in conjunction with MCA or SRM projects. These may include specific IT requirements to facilitate connectivity from building infrastructure to end user equipment, items for classrooms, computers, video teleconferencing (VTC) systems, projectors, display/knowledge walls, telephone equipment, et cetera. This SSN consolidates individual organizational requirements to provide a deliberate planned programmatic approach to procure mission essential Information Systems equipment.

INFORMATION SYSTEMS (MCA SUPPORT):

This program provides for the worldwide Information Systems infrastructure (common user voice, data, video networks) for the MCA Program. It supplies non-tactical telecommunications equipment and services in support of Army base operations, LandWarNet 2020 and Beyond, Unified Capabilities, common user, and physical plant infrastructure to support Information Systems assets. It provides standardized operational processes and procedures, enabling the Army consistent integration, synchronization, and delivery of voice, data, imagery, applications, and network capabilities down to the individuals in both the operating force and generating force Army-wide.

UNCLASSIFIED

Exhibit P-40, Budget Line Item Justification: PB 2016 Army **Date:** February 2015

Appropriation / Budget Activity / Budget Sub Activity: 2035A: Other Procurement, Army / BA 02: Communications and Electronics Equipment / BSA 73: Comm - Base Communications	P-1 Line Item Number / Title: BB8650 / Information Systems
---	--

ID Code (A=Service Ready, B=Not Service Ready) :	Program Elements for Code B Items:	Other Related Program Elements:
---	---	--

INFORMATION SYSTEMS (CONUS/WESTERN HEM):
 This program provides for the worldwide Information Systems infrastructure (common user voice, data, video networks) for the SRM Program. It supplies non-tactical telecommunications equipment and services in support of Army base operations, LandWarNet 2020 and Beyond, Unified Capabilities, common user, and physical plant infrastructure to support Information Systems assets. It provides standardized operational processes and procedures, enabling the Army consistent integration, synchronization, and delivery of voice, data, imagery, applications, and network capabilities down to the individuals in both the operating force and generating force Army-wide.

Secondary Distribution		FY 2014	FY 2015	FY 2016 Base	FY 2016 OCO	FY 2016 Total	FY 2017	FY 2018	FY 2019	FY 2020
Army	Quantity	-	-	-	-	-	-	-	-	-
	Total Obligation Authority	76.157	97.091	86.037	-	86.037	61.248	77.686	61.423	61.741
Total: Secondary Distribution	Quantity	-	-	-	-	-	-	-	-	-
	Total Obligation Authority	76.157	97.091	86.037	-	86.037	61.248	77.686	61.423	61.741

UNCLASSIFIED

Exhibit P-40, Budget Line Item Justification: PB 2016 Army **Date:** February 2015

Appropriation / Budget Activity / Budget Sub Activity:
 2035A: Other Procurement, Army / BA 02: Communications and Electronics
 Equipment / BSA 73: Comm - Base Communications

P-1 Line Item Number / Title:
 BB8650 / Information Systems

ID Code (A=Service Ready, B=Not Service Ready) :			Program Elements for Code B Items:			Other Related Program Elements:		
Exhibits Schedule			Prior Years	FY 2014	FY 2015	FY 2016 Base	FY 2016 OCO	FY 2016 Total
Title*	Exhibits	ID CD	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)
B31510 / PROPONENT/MISSION IT-MCA/PHYSICAL RELOCATION	P-5, P-5a		- / -	- / -	- / 47.600	- / 50.694	- / -	- / 50.694
BB1400 / INFORMATION SYSTEMS (MCA SUPPORT)	P-5, P-5a		- / 1,444.524	- / 76.157	- / 43.075	- / 31.028	- / -	- / 31.028
BB8700 / INFORMATION SYSTEMS (CONUS/WESTERN HEM)	P-5, P-5a		- / 1,010.346	- / -	- / 6.416	- / 4.315	- / -	- / 4.315
Total Gross/Weapon System Cost			- / 3,793.121	- / 76.157	- / 97.091	- / 86.037	- / -	- / 86.037

*Title represents 1) the Number / Title for Items; 2) the Number / Title [DODIC] for Ammunition; and/or 3) the Number / Title (Modification Type) for Modifications.

Note: Totals in this Exhibit P-40 set may not be exact or add due to rounding.

Justification:

FY 2016 Base procurement dollars in the amount of \$86.037 million supports:

PROPONENT/MISSION IT-MCA/PHYSICAL RELOCATION:

FY 2016 Base procurement dollars in the amount of \$50.694 million supports the procurement of commercial-off-the-shelf (COTS) information systems and infrastructure which support mission essential command and control Information Technology requirements in newly built MCA or renovated SRM facilities. These funds ensure the Army employs a planned systematic approach to procure mission essential Information Systems equipment in support of vital command and control missions. This includes, but is not limited to, above secret mission essential network transport infrastructure, and end-user instruments (including telephones, soft phones, video teleconferencing equipment or computing devices), associated licensing, and secure data switches, gateways and encryption devices for classified connectivity. In addition to the overall network, this provides funding for mission essential Information Systems for classrooms, computers for mission requirements above secret, video teleconferencing (VTC) systems, projectors, display/knowledge walls, secure telephone equipment, and physical plant infrastructure to support those Information Systems assets. This program procures the network infrastructure engineering, acquisition, installation, security, and quality assurance to support the planning, design, and implementation of mission essential Information Systems. This program supports requirements necessary for the physical relocation of units in conjunction with MCA and SRM projects with command and control missions. Funding is required to ensure that these projects have all necessary Information Systems infrastructure and equipment for soldier readiness of the facilities. This program consolidates individual organizational requirements to provide a deliberate planned programmatic approach to procure mission essential Information Systems equipment.

INFORMATION SYSTEMS (MCA SUPPORT):

FY 2016 Base procurement dollars in the amount of \$31.028 million supports the procurement of commercial-off-the-shelf (COTS) Information Systems which support Unified Capability voice/data switches, common user network transport infrastructure, end-user instruments (including telephones, soft phones, video teleconferencing equipment or computing devices), associated licensing, training range connectivity which may include long runs of fiber optics cable, and secure data switches, gateways and encryption devices for classified network connectivity. This funding also procures the network infrastructure engineering, acquisition, installation, security, and quality assurance to support the planning, design, and implementation of Information Systems requirements associated with MCA projects. Funding is required to ensure that these projects have all necessary Information Systems infrastructure and equipment for soldier readiness of the facilities.

INFORMATION SYSTEMS (CONUS/WESTERN HEM):

FY 2016 Base procurement dollars in the amount of \$4.315 million supports the procurement of commercial-off-the-shelf information (COTS) systems which support Unified Capability voice/data switches, common user network transport infrastructure, end-user instruments (including telephones, soft phones, video teleconferencing equipment or computing devices), associated licensing, training range connectivity which may include long runs of fiber optics cable, and secure data switches, gateways and encryption devices for classified network connectivity. This funding also procures the network infrastructure engineering, acquisition, installation, security, and quality assurance to support the planning, design, and implementation of Information Systems requirements associated with SRM projects. Funding is required to ensure that these projects have all necessary Information Systems infrastructure and equipment for soldier readiness of the facilities.

UNCLASSIFIED

Exhibit P-5, Cost Analysis: PB 2016 Army		Date: February 2015
Appropriation / Budget Activity / Budget Sub Activity: 2035A / 02 / 73	P-1 Line Item Number / Title: BB8650 / Information Systems	Item Number / Title [DODIC]: B31510 / PROPONENT/MISSION IT- MCA/PHYSICAL RELOCATION

ID Code (A=Service Ready, B=Not Service Ready) :	MDAP/MAIS Code:
---	------------------------

Resource Summary	Prior Years	FY 2014	FY 2015	FY 2016 Base	FY 2016 OCO	FY 2016 Total
Procurement Quantity <i>(Units in Each)</i>	-	-	-	-	-	-
Gross/Weapon System Cost <i>(\$ in Millions)</i>	-	-	47.600	50.694	-	50.694
Less PY Advance Procurement <i>(\$ in Millions)</i>	-	-	-	-	-	-
Net Procurement (P1) <i>(\$ in Millions)</i>	-	-	47.600	50.694	-	50.694
Plus CY Advance Procurement <i>(\$ in Millions)</i>	-	-	-	-	-	-
Total Obligation Authority <i>(\$ in Millions)</i>	-	-	47.600	50.694	-	50.694

(The following Resource Summary rows are for informational purposes only. The corresponding budget requests are documented elsewhere.)

Initial Spares <i>(\$ in Millions)</i>	-	-	-	-	-	-
Gross/Weapon System Unit Cost <i>(\$ in Thousands)</i>	-	-	-	-	-	-

Note: Subtotals or Totals in this Exhibit P-5 may not be exact or add, due to rounding.

Cost Elements	Prior Years			FY 2014			FY 2015			FY 2016 Base			FY 2016 OCO			FY 2016 Total		
	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)
Hardware Cost																		
Non Recurring Cost																		
Proponent/Mission IT Hardware ^(†)	-	-	-	-	-	-	47,600.000	1	47.600	50,694.000	1	50.694	-	-	-	50,694.000	1	50.694
<i>Subtotal: Non Recurring Cost</i>	-	-	-	-	-	-	-	-	47.600	-	-	50.694	-	-	-	-	-	50.694
<i>Subtotal: Hardware Cost</i>	-	-	-	-	-	-	-	-	47.600	-	-	50.694	-	-	-	-	-	50.694
Gross/Weapon System Cost	-	-	-	-	-	-	-	-	47.600	-	-	50.694	-	-	-	-	-	50.694

Secondary Distribution		FY 2014	FY 2015	FY 2016 Base	FY 2016 OCO	FY 2016 Total
Army	Quantity	-	-	-	-	-
	Total Obligation Authority	-	47.600	50.694	-	50.694
Total: Secondary Distribution	Quantity	-	-	-	-	-
	Total Obligation Authority	-	47.600	50.694	-	50.694

^(†) indicates the presence of a P-5a

UNCLASSIFIED

Exhibit P-5a, Procurement History and Planning: PB 2016 Army							Date: February 2015					
Appropriation / Budget Activity / Budget Sub Activity: 2035A / 02 / 73			P-1 Line Item Number / Title: BB8650 / Information Systems				Item Number / Title [DODIC]: B31510 / PROPONENT/MISSION IT-MCA/PHYSICAL RELOCATION					

Cost Elements	O C O	FY	Contractor and Location	Method/Type or Funding Vehicle	Location of PCO	Award Date	Date of First Delivery	Qty <i>(Each)</i>	Unit Cost <i>(\$ K)</i>	Specs Avail Now?	Date Revision Available	RFP Issue Date
Proponent/Mission IT Hardware		2015	TBS / TBS	C / FFP	ACC-RI, Rock Island, IL	Aug 2015	Dec 2015	1	47,600.000	N		Apr 2015
Proponent/Mission IT Hardware		2016	TBS / TBS	C / FFP	ACC-RI, Rock Island, IL	Aug 2016	Dec 2016	1	50,694.000	N		Apr 2016

Remarks:
All IT procurements consist of COTS/GOTS solutions; all quantities and unit costs vary by project, system configuration, and site. ACC-RI - Army Contracting Command-Rock Island

UNCLASSIFIED

Exhibit P-5, Cost Analysis: PB 2016 Army		Date: February 2015
Appropriation / Budget Activity / Budget Sub Activity: 2035A / 02 / 73	P-1 Line Item Number / Title: BB8650 / Information Systems	Item Number / Title [DODIC]: BB1400 / INFORMATION SYSTEMS (MCA SUPPORT)

ID Code (A=Service Ready, B=Not Service Ready) :	MDAP/MAIS Code:
---	------------------------

Resource Summary	Prior Years	FY 2014	FY 2015	FY 2016 Base	FY 2016 OCO	FY 2016 Total
Procurement Quantity (Units in Each)	-	-	-	-	-	-
Gross/Weapon System Cost (\$ in Millions)	1,444.524	76.157	43.075	31.028	-	31.028
Less PY Advance Procurement (\$ in Millions)	-	-	-	-	-	-
Net Procurement (P1) (\$ in Millions)	1,444.524	76.157	43.075	31.028	-	31.028
Plus CY Advance Procurement (\$ in Millions)	-	-	-	-	-	-
Total Obligation Authority (\$ in Millions)	1,444.524	76.157	43.075	31.028	-	31.028

(The following Resource Summary rows are for informational purposes only. The corresponding budget requests are documented elsewhere.)

Initial Spares (\$ in Millions)	-	-	-	-	-	-
Gross/Weapon System Unit Cost (\$ in Thousands)	-	-	-	-	-	-

Note: Subtotals or Totals in this Exhibit P-5 may not be exact or add, due to rounding.

Cost Elements	Prior Years			FY 2014			FY 2015			FY 2016 Base			FY 2016 OCO			FY 2016 Total		
	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)
Hardware Cost																		
Non Recurring Cost																		
MCA Spt - Telephone Switch ^(†)	-	-	218.556	4,545.000	8	36.360	4,545.000	5	22.725	4,545.000	3	13.635	-	-	-	4,545.000	3	13.635
MCA Spt - Switch Upgrades ^(†)	-	-	218.556	130.000	40	5.200	130.000	18	2.340	130.000	15	1.950	-	-	-	130.000	15	1.950
MCA Spt - Telephone System ^(†)	-	-	218.556	75.000	40	3.000	75.000	18	1.350	75.000	15	1.125	-	-	-	75.000	15	1.125
MCA Spt - LAN Transport System ^(†)	-	-	218.556	275.000	37	10.175	275.000	18	4.950	275.000	15	4.125	-	-	-	275.000	15	4.125
MCA Spt - Range Connectivity ^(†)	-	-	218.556	750.000	7	5.250	750.000	6	4.500	750.000	5	3.750	-	-	-	750.000	5	3.750
MCA Spt - Secure Data/Encryption Devices ^(†)	-	-	218.556	500.000	10	5.000	500.000	6	3.000	500.000	5	2.500	-	-	-	500.000	5	2.500
MCA Spt - Engineering Svcs ^(†)	-	-	133.188	11,172.000	1	11.172	4,210.000	1	4.210	3,143.000	1	3.143	-	-	-	3,143.000	1	3.143
Phys Plant Infrastructure Spt IS Assets ^(†)	-	-	-	-	-	-	-	-	-	800.000	1	0.800	-	-	-	800.000	1	0.800
<i>Subtotal: Non Recurring Cost</i>	-	-	<i>1,444.524</i>	-	-	<i>76.157</i>	-	-	<i>43.075</i>	-	-	<i>31.028</i>	-	-	-	-	-	<i>31.028</i>
<i>Subtotal: Hardware Cost</i>	-	-	<i>1,444.524</i>	-	-	<i>76.157</i>	-	-	<i>43.075</i>	-	-	<i>31.028</i>	-	-	-	-	-	<i>31.028</i>

UNCLASSIFIED

Exhibit P-5, Cost Analysis: PB 2016 Army		Date: February 2015
Appropriation / Budget Activity / Budget Sub Activity: 2035A / 02 / 73		P-1 Line Item Number / Title: BB8650 / Information Systems
ID Code (A=Service Ready, B=Not Service Ready) :		MDAP/MAIS Code:
Item Number / Title [DODIC]: BB1400 / INFORMATION SYSTEMS (MCA SUPPORT)		

Note: Subtotals or Totals in this Exhibit P-5 may not be exact or add, due to rounding.

Cost Elements	Prior Years			FY 2014			FY 2015			FY 2016 Base			FY 2016 OCO			FY 2016 Total		
	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)
Gross/Weapon System Cost	-	-	1,444.524	-	-	76.157	-	-	43.075	-	-	31.028	-	-	-	-	-	31.028

Secondary Distribution		FY 2014	FY 2015	FY 2016 Base	FY 2016 OCO	FY 2016 Total
Army	Quantity	-	-	-	-	-
	Total Obligation Authority	76.157	43.075	31.028	-	31.028
Total:	Quantity	-	-	-	-	-
Secondary Distribution	Total Obligation Authority	76.157	43.075	31.028	-	31.028

(t) indicates the presence of a P-5a

UNCLASSIFIED

Exhibit P-5a, Procurement History and Planning: PB 2016 Army							Date: February 2015					
Appropriation / Budget Activity / Budget Sub Activity: 2035A / 02 / 73			P-1 Line Item Number / Title: BB8650 / Information Systems				Item Number / Title [DODIC]: BB1400 / INFORMATION SYSTEMS (MCA SUPPORT)					

Cost Elements	O C O	FY	Contractor and Location	Method/Type or Funding Vehicle	Location of PCO	Award Date	Date of First Delivery	Qty <i>(Each)</i>	Unit Cost <i>(\$ K)</i>	Specs Avail Now?	Date Revision Available	RFP Issue Date
MCA Spt - Telephone Switch		2014	IMOD/LTLCS/R2 / Ft. Belvoir, VA	C / FFP	ACC-RI, Rock Island, IL	Jan 2014	Jul 2014	8	4,545.000	N		
MCA Spt - Telephone Switch		2015	TBS / TBS	C / FFP	ACC-RI, Rock Island, IL	Feb 2015	Jul 2015	5	4,545.000	N		
MCA Spt - Telephone Switch		2016	TBS / TBS	C / FFP	ACC-RI, Rock Island, IL	Jan 2016	Jul 2016	3	4,545.000	N		
MCA Spt - Switch Upgrades		2014	IMOD/LTLCS/R2 / Ft. Belvoir, VA	C / FFP	ACC-RI, Rock Island, IL	Feb 2014	May 2014	40	130.000	N		
MCA Spt - Switch Upgrades		2015	TBS / TBS	C / FFP	ACC-RI, Rock Island, IL	Feb 2015	May 2015	18	130.000	N		
MCA Spt - Switch Upgrades		2016	TBS / TBS	C / FFP	ACC-RI, Rock Island, IL	Feb 2016	May 2016	15	130.000	N		
MCA Spt - Telephone System		2014	Various / Installations	C / FFP	CHESS, Ft. Belvoir, VA	Feb 2014	Jul 2014	40	75.000	N		
MCA Spt - Telephone System		2015	TBS / TBS	C / FFP	CHESS, Ft. Belvoir, VA	Feb 2015	Jul 2015	18	75.000	N		
MCA Spt - Telephone System		2016	TBS / TBS	C / FFP	CHESS, Ft. Belvoir, VA	Feb 2016	Jul 2016	15	75.000	N		
MCA Spt - LAN Transport System		2014	IMOD/LTLCS/R2 / Ft. Belvoir, VA	C / FFP	ACC-RI, Rock Island, IL	Feb 2014	May 2014	37	275.000	N		
MCA Spt - LAN Transport System		2015	TBS / TBS	C / FFP	ACC-RI, Rock Island, IL	Feb 2015	May 2015	18	275.000	N		
MCA Spt - LAN Transport System		2016	TBS / TBS	C / FFP	ACC-RI, Rock Island, IL	Feb 2016	May 2016	15	275.000	N		
MCA Spt - Range Connectivity		2014	IMOD/LTLCS/R2 / Ft. Belvoir, VA	C / FFP	ACC-RI, Rock Island, IL	Feb 2014	Sep 2014	7	750.000	N		
MCA Spt - Range Connectivity		2015	TBS / TBS	C / FFP	ACC-RI, Rock Island, IL	Feb 2015	Sep 2015	6	750.000	N		
MCA Spt - Range Connectivity		2016	TBS / TBS	C / FFP	ACC-RI, Rock Island, IL	Feb 2016	Sep 2016	5	750.000	N		
MCA Spt - Secure Data/Encryption Devices		2014	IMOD/LTLCS/R2 / Ft. Belvoir, VA	C / FFP	ACC-RI, Rock Island, IL	Feb 2014	Sep 2014	10	500.000	N		
MCA Spt - Secure Data/Encryption Devices		2015	TBS / TBS	C / FFP	ACC-RI, Rock Island, IL	Feb 2015	Sep 2015	6	500.000	N		
MCA Spt - Secure Data/Encryption Devices		2016	TBS / TBS	C / FFP	ACC-RI, Rock Island, IL	Feb 2016	Sep 2016	5	500.000	N		
MCA Spt - Engineering Svcs		2014	TEIS / Ft. Detrick, MD	C / FFP	ACC-HUA, Ft. Huachuca, AZ	Aug 2014	Sep 2014	1	11,172.000	N		
MCA Spt - Engineering Svcs		2015	TEIS / Ft. Detrick, MD	C / FFP	ACC-HUA, Ft. Huachuca, AZ	Aug 2015	Sep 2015	1	4,210.000	N		
MCA Spt - Engineering Svcs		2016	TEIS / Ft. Detrick, MD	C / FFP	ACC-HUA, Ft. Huachuca, AZ	Aug 2016	Sep 2016	1	3,143.000	N		
Phys Plant Infrastructure Spt IS Assets		2016	Various / Installations	C / FFP	ACC-RI, Rock Island, IL	Apr 2016	Aug 2016	1	800.000	N		

Remarks:
All IT procurements consist of COTS/GOTS solutions; all quantities and unit costs vary by project, system configuration, and site. ACC-RI - Army Contracting Command-Rock Island; CHESS - Computer Hardware Enterprise Software and Solutions; IMOD/LTLCS/R2 - Infrastructure Modernization/Long Term Life Cycle/R2; TEIS - Total Engineering and Integration Services; ACC-HUA - Army Contracting Command-Fort Huachuca.

UNCLASSIFIED

Exhibit P-5, Cost Analysis: PB 2016 Army		Date: February 2015
Appropriation / Budget Activity / Budget Sub Activity: 2035A / 02 / 73	P-1 Line Item Number / Title: BB8650 / Information Systems	Item Number / Title [DODIC]: BB8700 / INFORMATION SYSTEMS (CONUS/WESTERN HEM)

ID Code (A=Service Ready, B=Not Service Ready) :	MDAP/MAIS Code:
---	------------------------

Resource Summary	Prior Years	FY 2014	FY 2015	FY 2016 Base	FY 2016 OCO	FY 2016 Total
Procurement Quantity (Units in Each)	-	-	-	-	-	-
Gross/Weapon System Cost (\$ in Millions)	1,010.346	-	6.416	4.315	-	4.315
Less PY Advance Procurement (\$ in Millions)	-	-	-	-	-	-
Net Procurement (P1) (\$ in Millions)	1,010.346	-	6.416	4.315	-	4.315
Plus CY Advance Procurement (\$ in Millions)	-	-	-	-	-	-
Total Obligation Authority (\$ in Millions)	1,010.346	-	6.416	4.315	-	4.315

(The following Resource Summary rows are for informational purposes only. The corresponding budget requests are documented elsewhere.)

Initial Spares (\$ in Millions)	-	-	-	-	-	-
Gross/Weapon System Unit Cost (\$ in Thousands)	-	-	-	-	-	-

Note: Subtotals or Totals in this Exhibit P-5 may not be exact or add, due to rounding.

Cost Elements	Prior Years			FY 2014			FY 2015			FY 2016 Base			FY 2016 OCO			FY 2016 Total		
	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)
Hardware Cost																		
Non Recurring Cost																		
Sustain/Restore/Modernize (SRM) HW ^(t)	1,010,346.000	1	1,010.346	-	-	-	6,416.000	1	6.416	4,315.000	1	4.315	-	-	-	4,315.000	1	4.315
<i>Subtotal: Non Recurring Cost</i>	-	-	1,010.346	-	-	-	-	-	6.416	-	-	4.315	-	-	-	-	-	4.315
<i>Subtotal: Hardware Cost</i>	-	-	1,010.346	-	-	-	-	-	6.416	-	-	4.315	-	-	-	-	-	4.315
Gross/Weapon System Cost	-	-	1,010.346	-	-	-	-	-	6.416	-	-	4.315	-	-	-	-	-	4.315

Secondary Distribution	FY 2014	FY 2015	FY 2016 Base	FY 2016 OCO	FY 2016 Total
Army					
Quantity	-	-	-	-	-
Total Obligation Authority	-	6.416	4.315	-	4.315
Total: Secondary Distribution					
Quantity	-	-	-	-	-
Total Obligation Authority	-	6.416	4.315	-	4.315

^(t) indicates the presence of a P-5a

UNCLASSIFIED

Exhibit P-5a, Procurement History and Planning: PB 2016 Army							Date: February 2015					
Appropriation / Budget Activity / Budget Sub Activity: 2035A / 02 / 73			P-1 Line Item Number / Title: BB8650 / Information Systems				Item Number / Title [DODIC]: BB8700 / INFORMATION SYSTEMS (CONUS/WESTERN HEM)					
Cost Elements	O C O	FY	Contractor and Location	Method/Type or Funding Vehicle	Location of PCO	Award Date	Date of First Delivery	Qty (Each)	Unit Cost (\$ K)	Specs Avail Now?	Date Revision Available	RFP Issue Date
Sustain/Restore/Modernize (SRM) HW		2015	TBS / TBS	C / FFP	Various	Apr 2015	Sep 2015	1	6,416.000	N		
Sustain/Restore/Modernize (SRM) HW		2016	TBS / TBS	C / FFP	Various	Apr 2016	Sep 2016	1	4,315.000	N		

Remarks:
All IT procurements consist of COTS/GOTS solutions; all quantities and unit costs vary by project, system configuration, and site.

UNCLASSIFIED

Exhibit P-40, Budget Line Item Justification: PB 2016 Army **Date:** February 2015

Appropriation / Budget Activity / Budget Sub Activity: 2035A: Other Procurement, Army / BA 02: Communications and Electronics Equipment / BSA 73: Comm - Base Communications	P-1 Line Item Number / Title: BU3770 / Defense Message System (DMS)
---	---

ID Code (A=Service Ready, B=Not Service Ready) :	Program Elements for Code B Items:						Other Related Program Elements:					
Resource Summary	Prior Years	FY 2014	FY 2015	FY 2016 Base	FY 2016 OCO	FY 2016 Total	FY 2017	FY 2018	FY 2019	FY 2020	To Complete	Total
Procurement Quantity (Units in Each)	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Cost (\$ in Millions)	356.415	0.612	0.246	-	-	-	-	-	0.325	-	-	357.598
Less PY Advance Procurement (\$ in Millions)	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P1) (\$ in Millions)	356.415	0.612	0.246	-	-	-	-	-	0.325	-	-	357.598
Plus CY Advance Procurement (\$ in Millions)	-	-	-	-	-	-	-	-	-	-	-	-
Total Obligation Authority (\$ in Millions)	356.415	0.612	0.246	-	-	-	-	-	0.325	-	-	357.598

(The following Resource Summary rows are for informational purposes only. The corresponding budget requests are documented elsewhere.)

Initial Spares (\$ in Millions)	-	-	-	-	-	-	-	-	-	-	-	-
Flyaway Unit Cost (\$ in Thousands)	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Unit Cost (\$ in Thousands)	-	-	-	-	-	-	-	-	-	-	-	-

Description:

The Defense Message System (DMS) program is DoD's official system of record for Organizational Command and Control Messaging, as established under ASD C3I memorandum dated 12 April 2001. DMS consists of a web-based enterprise level messaging system employing the Automated Message Handling System (AMHS) software, which provides a single, secure, global inter-service messaging capability extending from the sustaining base to the Warfighter. DMS' tactical implementation supports the Warfighter in the joint task force environment and across the continuum of Army operations.

DMS is: 1. Meeting Army Campaign Plan Objectives through deploying and sustaining a global messaging system for Joint and Coalition forces. 2. Designed to meet the Net-centric requirements of no repudiation (digital signature), data security (digital encryption), assured and timely delivery, message traceability and storage. 3. Providing Authentication and Confidentiality through High Grade Class IV Public Key Infrastructure (PKI) encryption. This guarantees the identity of senders and recipients with the assigned organizational PKI certificates, and messages are encrypted between drafting organization and receiving organization. The Body of the message is unreadable to all except intended recipients with authorized access. 4. Supporting administrative and intelligence traffic from the sustaining base to the battlefield. 5.A critical tool which aids in the Central Command Area of Operation (CENTCOM) direction of both US and Allied forces within Multi-National Forces-Iraq (MNF-I). 6. The only messaging system that allows the regional Combatant Commands (COCOMs) to officially communicate with their Allied partners, and other Services and Agencies, at the operational level.

These are all Joint Army Knowledge Management (AKM) Goal 3 initiatives.

All funds support the Active component.

Secondary Distribution		FY 2014	FY 2015	FY 2016 Base	FY 2016 OCO	FY 2016 Total	FY 2017	FY 2018	FY 2019	FY 2020
Army	Quantity	-	-	-	-	-	-	-	-	-
	Total Obligation Authority	0.612	0.246	-	-	-	-	-	0.325	-
Total:	Quantity	-	-	-	-	-	-	-	-	-

UNCLASSIFIED

Exhibit P-40, Budget Line Item Justification: PB 2016 Army **Date:** February 2015

Appropriation / Budget Activity / Budget Sub Activity: 2035A: Other Procurement, Army / BA 02: Communications and Electronics Equipment / BSA 73: Comm - Base Communications	P-1 Line Item Number / Title: BU3770 / Defense Message System (DMS)
---	---

ID Code (A=Service Ready, B=Not Service Ready) :		Program Elements for Code B Items:				Other Related Program Elements:				
Secondary Distribution		FY 2014	FY 2015	FY 2016 Base	FY 2016 OCO	FY 2016 Total	FY 2017	FY 2018	FY 2019	FY 2020
Secondary Distribution	Total Obligation Authority	0.612	0.246	-	-	-	-	-	0.325	-

Justification:
 This program has no FY 2016 Base or OCO procurement requirement.

UNCLASSIFIED

Exhibit P-40, Budget Line Item Justification: PB 2016 Army **Date:** February 2015

Appropriation / Budget Activity / Budget Sub Activity: 2035A: Other Procurement, Army / BA 02: Communications and Electronics Equipment / BSA 73: Comm - Base Communications	P-1 Line Item Number / Title: BU8000 / Emergency Management Modernization Program
---	---

ID Code (A=Service Ready, B=Not Service Ready) :	Program Elements for Code B Items:						Other Related Program Elements:					
Resource Summary	Prior Years	FY 2014	FY 2015	FY 2016 Base	FY 2016 OCO	FY 2016 Total	FY 2017	FY 2018	FY 2019	FY 2020	To Complete	Total
Procurement Quantity (Units in Each)	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Cost (\$ in Millions)	105.531	39.000	5.362	8.550	-	8.550	4.318	4.508	4.794	4.915	-	176.978
Less PY Advance Procurement (\$ in Millions)	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P1) (\$ in Millions)	105.531	39.000	5.362	8.550	-	8.550	4.318	4.508	4.794	4.915	-	176.978
Plus CY Advance Procurement (\$ in Millions)	-	-	-	-	-	-	-	-	-	-	-	-
Total Obligation Authority (\$ in Millions)	105.531	39.000	5.362	8.550	-	8.550	4.318	4.508	4.794	4.915	-	176.978

(The following Resource Summary rows are for informational purposes only. The corresponding budget requests are documented elsewhere.)

Initial Spares (\$ in Millions)	-	-	-	-	-	-	-	-	-	-	-	-
Flyaway Unit Cost (\$ in Thousands)	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Unit Cost (\$ in Thousands)	-	-	-	-	-	-	-	-	-	-	-	-

Description:

The Emergency Management Modernization Program (EM2P) is a single integrated acquisition program for the design, procurement, fielding, new equipment training, and life-cycle management of emergency management capabilities in support of Army installations, Soldiers and their Families, civilians, and contractors. EM2P provides capabilities that increase situational awareness, decrease responder time, and allow for quicker warning and notification of personnel during the management of an active incident. The EM2P system consists of Mass Warning and Notification (MWN) technologies, Enhanced 911 (E911) solutions, and Computer Aided Dispatch (CAD) capability. CAD serves as the central hub for dispatching law enforcement, fire, and medical services on an installation and is integrated with Automated Installation Entry (AIE), Mass Warning and Notification (MWN), and law enforcement (LE) authoritative data sources as well as with local civilian CAD and civilian LE authoritative data sources. The EM2P provides capabilities that will save lives by enabling Commanders to quickly and effectively respond to any installation emergency events, to include insider threats, terrorist activity and natural disasters.

The EM2P ADM authorizes EM2P to field 56 CONUS and 13 OCONUS Mass Warning and Notification (MWN) systems and 22 Enhanced (E911) systems.

Secondary Distribution	FY 2014	FY 2015	FY 2016 Base	FY 2016 OCO	FY 2016 Total	FY 2017	FY 2018	FY 2019	FY 2020
Army									
Quantity	-	-	-	-	-	-	-	-	-
Total Obligation Authority	39.000	5.362	8.550	-	8.550	4.318	4.508	4.794	4.915
Total: Secondary Distribution									
Quantity	-	-	-	-	-	-	-	-	-
Total Obligation Authority	39.000	5.362	8.550	-	8.550	4.318	4.508	4.794	4.915

UNCLASSIFIED

Exhibit P-40, Budget Line Item Justification: PB 2016 Army **Date:** February 2015

Appropriation / Budget Activity / Budget Sub Activity: 2035A: Other Procurement, Army / BA 02: Communications and Electronics Equipment / BSA 73: Comm - Base Communications	P-1 Line Item Number / Title: BU8000 / Emergency Management Modernization Program
---	---

ID Code (A=Service Ready, B=Not Service Ready) :			Program Elements for Code B Items:			Other Related Program Elements:		
Exhibits Schedule			Prior Years	FY 2014	FY 2015	FY 2016 Base	FY 2016 OCO	FY 2016 Total
Title*	Exhibits	ID CD	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)
BU8000 / Emergency Management Modernization Program	P-5, P-5a, P-21		- / 105.531	- / 39.000	- / 5.362	- / 8.550	- / -	- / 8.550
Total Gross/Weapon System Cost			- / 105.531	- / 39.000	- / 5.362	- / 8.550	- / -	- / 8.550

*Title represents 1) the Number / Title for Items; 2) the Number / Title [DODIC] for Ammunition; and/or 3) the Number / Title (Modification Type) for Modifications.

Note: Totals in this Exhibit P-40 set may not be exact or add due to rounding.

Justification:
 FY 2016 Base procurement funding in the amount of \$8.550 million will complete the total package fielding of 56 CONUS and 13 OCONUS Mass Warning and Notification (MWN) technologies and 18 Enhanced 911 (E911) solutions at Army installations.

In accordance with Section 1815 of the FY 2008 National Defense Authorization Act (P.L. 110-181), this item is necessary for use by the Armed Forces for homeland defense missions, domestic emergency responses, and providing military support to civil authorities.

UNCLASSIFIED

Exhibit P-5, Cost Analysis: PB 2016 Army		Date: February 2015
Appropriation / Budget Activity / Budget Sub Activity: 2035A / 02 / 73		P-1 Line Item Number / Title: BU8000 / Emergency Management Modernization Program
		Item Number / Title [DODIC]: BU8000 / Emergency Management Modernization Program

ID Code (A=Service Ready, B=Not Service Ready) :	MDAP/MAIS Code:
---	------------------------

Resource Summary	Prior Years	FY 2014	FY 2015	FY 2016 Base	FY 2016 OCO	FY 2016 Total
Procurement Quantity (Units in Each)	-	-	-	-	-	-
Gross/Weapon System Cost (\$ in Millions)	105.531	39.000	5.362	8.550	-	8.550
Less PY Advance Procurement (\$ in Millions)	-	-	-	-	-	-
Net Procurement (P1) (\$ in Millions)	105.531	39.000	5.362	8.550	-	8.550
Plus CY Advance Procurement (\$ in Millions)	-	-	-	-	-	-
Total Obligation Authority (\$ in Millions)	105.531	39.000	5.362	8.550	-	8.550

(The following Resource Summary rows are for informational purposes only. The corresponding budget requests are documented elsewhere.)

Initial Spares (\$ in Millions)	-	-	-	-	-	-
Gross/Weapon System Unit Cost (\$ in Thousands)	-	-	-	-	-	-

Note: Subtotals or Totals in this Exhibit P-5 may not be exact or add, due to rounding.

Cost Elements	Prior Years			FY 2014			FY 2015			FY 2016 Base			FY 2016 OCO			FY 2016 Total		
	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)
Flyaway Cost																		
Recurring Cost																		
Program Office Support	-	-	8.912	-	-	2.769	-	-	0.776	-	-	1.344	-	-	-	-	-	-
SETA Contract Support	-	-	14.555	-	-	9.117	-	-	0.764	-	-	1.949	-	-	-	-	-	-
Prime Contract ^(†)	-	-	49.374	2,714.000	8	21.712	565.000	6	3.390	-	-	4.818	-	-	-	-	-	-
Enterprise Level Hosting	-	-	2.398	-	-	0.158	-	-	0.432	-	-	0.439	-	-	-	-	-	-
Technical Data Integration	-	-	30.292	-	-	5.244	-	-	-	-	-	-	-	-	-	-	-	-
<i>Subtotal: Recurring Cost</i>	-	-	<i>105.531</i>	-	-	<i>39.000</i>	-	-	<i>5.362</i>	-	-	<i>8.550</i>	-	-	-	-	-	-
<i>Subtotal: Flyaway Cost</i>	-	-	<i>105.531</i>	-	-	<i>39.000</i>	-	-	<i>5.362</i>	-	-	<i>8.550</i>	-	-	-	-	-	-
Gross/Weapon System Cost	-	-	105.531	-	-	39.000	-	-	5.362	-	-	8.550	-	-	-	-	-	-

Secondary Distribution		FY 2014	FY 2015	FY 2016 Base	FY 2016 OCO	FY 2016 Total
Army	Quantity	-	-	-	-	-
	Total Obligation Authority	39.000	5.362	8.550	-	8.550
Total:	Quantity	-	-	-	-	-

UNCLASSIFIED

Exhibit P-5, Cost Analysis: PB 2016 Army		Date: February 2015
Appropriation / Budget Activity / Budget Sub Activity: 2035A / 02 / 73	P-1 Line Item Number / Title: BU8000 / Emergency Management Modernization Program	Item Number / Title [DODIC]: BU8000 / Emergency Management Modernization Program

ID Code (A=Service Ready, B=Not Service Ready) :	MDAP/MAIS Code:
---	------------------------

Secondary Distribution		FY 2014	FY 2015	FY 2016 Base	FY 2016 OCO	FY 2016 Total
Secondary Distribution	Total Obligation Authority	39.000	5.362	8.550	-	8.550

(t) indicates the presence of a P-5a

UNCLASSIFIED

Exhibit P-5a, Procurement History and Planning: PB 2016 Army							Date: February 2015					
Appropriation / Budget Activity / Budget Sub Activity: 2035A / 02 / 73			P-1 Line Item Number / Title: BU8000 / Emergency Management Modernization Program				Item Number / Title [DODIC]: BU8000 / Emergency Management Modernization Program					

Cost Elements	O C O	FY	Contractor and Location	Method/Type or Funding Vehicle	Location of PCO	Award Date	Date of First Delivery	Qty <i>(Each)</i>	Unit Cost <i>(\$ K)</i>	Specs Avail Now?	Date Revision Available	RFP Issue Date
Prime Contract ^(†)		2014	Leidos / Edgewood	C / FFP	Huntsville, AL	Mar 2014	Jul 2014	8	2,714.000	Y		Mar 2013
Prime Contract ^(†)		2015	TBD / TBD	C / FFP	TBD	Mar 2015	Jul 2015	6	565.000	Y		Oct 2014

^(†) indicates the presence of a P-21

UNCLASSIFIED

Exhibit P-21, Production Schedule: PB 2016 Army		Date: February 2015
Appropriation / Budget Activity / Budget Sub Activity: 2035A / 02 / 73		P-1 Line Item Number / Title: BU8000 / Emergency Management Modernization Program
		Item Number / Title [DODIC]: BU8000 / Emergency Management Modernization Program

MFR Ref #	MFR Name - Location	Production Rates (Each / Month)			Procurement Leadtime (Months)							
		MSR For 2016	1-8-5 For 2016	MAX For 2016	Initial				Reorder			
					ALT Prior to Oct 1	ALT After Oct 1	Mfg PLT	Total After Oct 1	ALT Prior to Oct 1	ALT After Oct 1	Mfg PLT	Total After Oct 1
1	Leidos - Edgewood	1	1	10	-	5	4	9	-	-	-	-
2	TBD - TBD	1	1	10	-	5	4	9	-	-	-	-

Remarks:
The prime contract is structured to compete and award one task order per Army installation to commercial vendors for the EM2P directed requirements, to ensure the greatest effectiveness and lowest cost for each installation's specific capability gaps.

"A" in the Delivery Schedule indicates the Contract Award Date.
Note: Due to space limitations, quantities in the Exhibit P-21 delivery calendar are truncated and rounded based on the maximum quantity in the calendar as follows. If the maximum quantity is less than or equal to than 9,999, all quantities are shown as each. If the maximum quantity is between 10,000 and 999,999 all quantities are shown in thousands. If the maximum quantity is between 1,000,000 and 999,999,999 all quantities are shown in millions (rounded to the nearest thousand).If the maximum quantity is equal or greater than 1,000,000,000 all quantities are shown in billions (rounded to the nearest million).

UNCLASSIFIED

Exhibit P-40, Budget Line Item Justification: PB 2016 Army **Date:** February 2015

Appropriation / Budget Activity / Budget Sub Activity: 2035A: Other Procurement, Army / BA 02: Communications and Electronics Equipment / BSA 73: Comm - Base Communications	P-1 Line Item Number / Title: BU0500 / Installation Info Infrastructure Mod Program
---	---

ID Code (A=Service Ready, B=Not Service Ready) :			Program Elements for Code B Items:					Other Related Program Elements:				
Resource Summary	Prior Years	FY 2014	FY 2015	FY 2016 Base	FY 2016 OCO	FY 2016 Total	FY 2017	FY 2018	FY 2019	FY 2020	To Complete	Total
Procurement Quantity (Units in Each)	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Cost (\$ in Millions)	3,429.116	279.300	79.965	73.496	29.500	102.996	188.420	199.616	217.393	198.768	Continuing	Continuing
Less PY Advance Procurement (\$ in Millions)	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P1) (\$ in Millions)	3,429.116	279.300	79.965	73.496	29.500	102.996	188.420	199.616	217.393	198.768	Continuing	Continuing
Plus CY Advance Procurement (\$ in Millions)	-	-	-	-	-	-	-	-	-	-	-	-
Total Obligation Authority (\$ in Millions)	3,429.116	279.300	79.965	73.496	29.500	102.996	188.420	199.616	217.393	198.768	Continuing	Continuing
<i>(The following Resource Summary rows are for informational purposes only. The corresponding budget requests are documented elsewhere.)</i>												
Initial Spares (\$ in Millions)	-	-	-	-	-	-	-	-	-	-	-	-
Flyaway Unit Cost (\$ in Thousands)	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Unit Cost (\$ in Thousands)	-	-	-	-	-	-	-	-	-	-	-	-

Description:

In accordance with Section 1815 of the FY 2008 National Defense Authorization Act (P.L. 110-181), this item is necessary for use by the active and reserve components of the Armed Forces for homeland defense missions, domestic emergency responses, and providing military support to civil authorities.

This budget line does not procure weapons systems or produce end items. All IT procurements consist of COTS solutions; all quantities and unit costs vary by system configuration and site.

The Installation Information Infrastructure Modernization Program (I3MP) modernizes and refreshes the classified and unclassified Telecommunications/Information longhaul and shorthaul transport Infrastructure supporting Army posts/camps/stations across the globe. Installation-level network infrastructure is comprised of the wiring, electronics and security equipment required to provide voice, video, and data communications to traditional business users and Warfighters. Specific systems include classified and unclassified Voice over Internet Protocol (VoIP), Joint Regional Security Stacks, and Internet Protocol Video. I3MP is at the very foundation of the Army's Enterprise information technology modernization strategy to evolve to an Everything over Internet Protocol (EoIP) network environment that meets the Department of Defense mandate to implement Unified Capabilities (UC) and the Joint Information Environment (JIE). I3MP engineers, designs, and fields standardized, converged, UC-ready, secure Installation Campus Area Network (ICAN) infrastructure using Commercial-off-the-Shelf (COTS) solutions. In Korea, the program resources all the Information Technology engineering required to ensure Army and Joint Forces can operate efficiently once they relocate south to Camp Humphries. This infrastructure provides tactical and strategic end-users with connectivity from the desktop to the DOD Information Network (DODIN). The network I3MP modernizes ensures soldiers maintain their warfighting systems and their proficiency on the systems by using the installation network as a "Docking Station" while they are at home station instead of relying on costly satellite usage time. I3MP further enables valuable training as it provides the critical high speed and high bandwidth connectivity required for facilities and organizations to conduct Live, Virtual, and Constructive exercises and operations. The program supports the Army/DoD objectives of network convergence to UC and is aligned with the Joint Information Environment (JIE) initiative by providing the transport infrastructure.

The World Wide Technical Control Improvement Program (WWTCIP) is a continuing program to initiate, improve, expand and automate the Army's Technical Control Facilities (TCF). The program provides power (alternating current and direct current (AC/DC), uninterruptible power supply (UPS) and backup generator), timing and synchronization equipment, line conditioning equipment, real time alarm monitoring and control, tri-service tactical interface, and appropriate test equipment with associated hardware. The upgrades provide the end user with greater bandwidth for real time response, high quality voice, data, video, and minimizes outages. The program is essential to support Outside the Continental United States (OCONUS) Theater Combatant Commander's communications as well as the Continental United States (CONUS) power projection bases and Defense Satellite Communications Systems. The emerging requirements of new base consolidation in both the Pacific and European Theaters will require robust TCF capability. Provides initial configuration management and implements Information Assurance (IA) controls for TCFs.

UNCLASSIFIED

Exhibit P-40, Budget Line Item Justification: PB 2016 Army **Date:** February 2015

Appropriation / Budget Activity / Budget Sub Activity: 2035A: Other Procurement, Army / BA 02: Communications and Electronics Equipment / BSA 73: Comm - Base Communications	P-1 Line Item Number / Title: BU0500 / Installation Info Infrastructure Mod Program
---	---

ID Code (A=Service Ready, B=Not Service Ready) :	Program Elements for Code B Items:	Other Related Program Elements:
<p>The Terrestrial Transmission (TT) program is a component of the Army's seamless Enterprise Network that provides long-haul communications compatibility across operational systems supporting the Department of Defense approved program to modernize and integrate digital operations within the Pacific and European Theaters. The goal architecture will be able to accommodate the rapidly changing deployment and realignment of forces within the Pacific and European Theaters. The objective is an integrated, survivable network that provides voice, data messaging, video and transmission services to the Warfighter. It will also continue the upgrade of power, and timing and alarm systems for the European Transmission Systems. The Army Special Access Program Enterprise Portal (ASEP) is the Army's only Top Secret compartmented wide area network providing a secure communications capability (email, video, teleconferencing, document storage/sharing, voice over internet protocol and instant messaging) for the transmission of highly classified Special Access Required (SAR) information between the Army Operations Center (AOC), the Army staff, Army Commands, Army Service Component Commands, Army Special Access Programs (SAPs) and Army Sensitive Activities (SAs).</p>		

Secondary Distribution		FY 2014	FY 2015	FY 2016 Base	FY 2016 OCO	FY 2016 Total	FY 2017	FY 2018	FY 2019	FY 2020
Army	Quantity	-	-	-	-	-	-	-	-	-
	Total Obligation Authority	279.300	79.965	73.496	29.500	102.996	188.420	199.616	217.393	198.768
Total: Secondary Distribution	Quantity	-	-	-	-	-	-	-	-	-
	Total Obligation Authority	279.300	79.965	73.496	29.500	102.996	188.420	199.616	217.393	198.768

UNCLASSIFIED

Exhibit P-40, Budget Line Item Justification: PB 2016 Army **Date:** February 2015

Appropriation / Budget Activity / Budget Sub Activity: 2035A: Other Procurement, Army / BA 02: Communications and Electronics Equipment / BSA 73: Comm - Base Communications	P-1 Line Item Number / Title: BU0500 / Installation Info Infrastructure Mod Program
---	---

ID Code (A=Service Ready, B=Not Service Ready) :			Program Elements for Code B Items:			Other Related Program Elements:		
Exhibits Schedule			Prior Years	FY 2014	FY 2015	FY 2016 Base	FY 2016 OCO	FY 2016 Total
Title*	Exhibits	ID CD	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)
BU0510 / I3MP - Europe	P-5, P-5a		- / 812.385	- / 38.500	- / -	- / -	- / -	- / -
BU0530 / I3MP - CONUS	P-5, P-5a		- / 1,323.844	- / 232.609	- / 71.610	- / 69.223	- / 29.500	- / 98.723
BU2000 / TERRESTRIAL TRANSMISSION	P-40a		- / 70.938	- / -	- / -	- / 1.298	- / -	- / 1.298
BU3610 / WW Tech Con Imp Prog (WWTCIP)	P-5, P-5a		- / 921.977	- / 8.191	- / 8.355	- / 2.975	- / -	- / 2.975
Total Gross/Weapon System Cost			- / 3,429.116	- / 279.300	- / 79.965	- / 73.496	- / 29.500	- / 102.996

*Title represents 1) the Number / Title for Items; 2) the Number / Title [DODIC] for Ammunition; and/or 3) the Number / Title (Modification Type) for Modifications.
 Note: Totals in this Exhibit P-40 set may not be exact or add due to rounding.

Justification:
 I3MP:
 FY 2016 Base procurement dollars in the amount of \$69.223 million supports CONUS/OCONUS engineering plans and upgrades/modernizes the telecommunications/information infrastructure on Army installations in CONUS and OCONUS to provide standardized secure Information Campus Area Network (ICAN) for tactical and strategic use from desktop to DoD Information Network (DoD IN) through implementation of Unified Capabilities (UC). This means converging separate voice, video, and data networks and electronics which exist on Army installations onto a single data (internet protocol) network. Dollars also support Multi-Protocol Label Switching (MPLS) and the purchase of Area Distribution Node/End User Building (ADN/EUB) switches to meet the Army's Unified Capability (UC) Modernization requirement.

FY 2016 Overseas Contingency Operation (OCO) procurement dollars in the amount of \$29.500 million supports Operation Freedom Sentinel (OFS). \$14.000 million provides OFS support for theater infrastructure modifications to communications equipment at Camps Buehring and Arifjan with outside cable plants (OSP) and DISN terrestrial circuits for installation of the diverse Commercial Point of Presence (PoP). \$15.500 million provides OFS support for other enduring locations with theater infrastructure modifications with OSP and network communications facility infrastructure modifications. Support includes replacement of connexes housing network support equipment, servers, and associated equipment with grounded, environmentally controllable modular facilities or within existing permanent facilities; it also brings existing data centers into compliance with Joint Information Environment facility standards for installation processing nodes and special purpose processing nodes.

WWTCIP:
 FY 2016 Base procurement dollars in the amount of \$2.975 million procures the technical engineering service support that facilitates design reviews for the full technical upgrades of TCFs.

Terrestrial Transmission:
 FY 2016 Base procurement dollars in the amount of \$1.298 million provides for minimal technology refresh (Routers, Switches, Servers, Monitors, etc.) of 10 sites to maintain operational effectiveness, information assurance requirements and to replace obsolete system components of the Army's Special Access Program Enterprise Portal (ASEP).

UNCLASSIFIED

Exhibit P-5, Cost Analysis: PB 2016 Army **Date:** February 2015

Appropriation / Budget Activity / Budget Sub Activity: 2035A / 02 / 73	P-1 Line Item Number / Title: BU0500 / Installation Info Infrastructure Mod Program	Item Number / Title [DODIC]: BU0510 / I3MP - Europe
--	---	---

ID Code (A=Service Ready, B=Not Service Ready) : **MDAP/MAIS Code:**

Resource Summary	Prior Years	FY 2014	FY 2015	FY 2016 Base	FY 2016 OCO	FY 2016 Total
Procurement Quantity (Units in Each)	-	-	-	-	-	-
Gross/Weapon System Cost (\$ in Millions)	812.385	38.500	-	-	-	-
Less PY Advance Procurement (\$ in Millions)	-	-	-	-	-	-
Net Procurement (P1) (\$ in Millions)	812.385	38.500	-	-	-	-
Plus CY Advance Procurement (\$ in Millions)	-	-	-	-	-	-
Total Obligation Authority (\$ in Millions)	812.385	38.500	-	-	-	-

(The following Resource Summary rows are for informational purposes only. The corresponding budget requests are documented elsewhere.)

Initial Spares (\$ in Millions)	-	-	-	-	-	-
Gross/Weapon System Unit Cost (\$ in Thousands)	-	-	-	-	-	-

Note: Subtotals or Totals in this Exhibit P-5 may not be exact or add, due to rounding.

Cost Elements	Prior Years			FY 2014			FY 2015			FY 2016 Base			FY 2016 OCO			FY 2016 Total		
	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)
Hardware Cost																		
Non Recurring Cost																		
Theatre C4 System Enhancements ^(†)	406,193.000	2	812.385	38,500.000	1	38.500	-	-	-	-	-	-	-	-	-	-	-	-
<i>Subtotal: Non Recurring Cost</i>	-	-	812.386	-	-	38.500	-	-	-	-	-	-	-	-	-	-	-	-
<i>Subtotal: Hardware Cost</i>	-	-	812.386	-	-	38.500	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Cost	-	-	812.385	-	-	38.500	-	-	-	-	-	-	-	-	-	-	-	-

Secondary Distribution		FY 2014	FY 2015	FY 2016 Base	FY 2016 OCO	FY 2016 Total
Army	Quantity	-	-	-	-	-
	Total Obligation Authority	38.500	-	-	-	-
Total:	Quantity	-	-	-	-	-
Secondary Distribution	Total Obligation Authority	38.500	-	-	-	-

^(†) indicates the presence of a P-5a

UNCLASSIFIED

Exhibit P-5a, Procurement History and Planning: PB 2016 Army **Date:** February 2015

Appropriation / Budget Activity / Budget Sub Activity: 2035A / 02 / 73	P-1 Line Item Number / Title: BU0500 / Installation Info Infrastructure Mod Program	Item Number / Title [DODIC]: BU0510 / I3MP - Europe
--	---	---

Cost Elements	O C O	FY	Contractor and Location	Method/Type or Funding Vehicle	Location of PCO	Award Date	Date of First Delivery	Qty <i>(Each)</i>	Unit Cost <i>(\$ K)</i>	Specs Avail Now?	Date Revision Available	RFP Issue Date
Theatre C4 System Enhancements		2014	EPS / Tinton Falls, NJ	C / FFP	ACC-RI, Rock Island, IL	Sep 2014	Oct 2014	1	38,500.000	N		

Remarks:
ACC-RI - Army Contracting Command-Rock Island

UNCLASSIFIED

Exhibit P-5, Cost Analysis: PB 2016 Army **Date:** February 2015

Appropriation / Budget Activity / Budget Sub Activity: 2035A / 02 / 73	P-1 Line Item Number / Title: BU0500 / Installation Info Infrastructure Mod Program	Item Number / Title [DODIC]: BU0530 / I3MP - CONUS
--	---	--

ID Code (A=Service Ready, B=Not Service Ready) : **MDAP/MAIS Code:**

Resource Summary	Prior Years	FY 2014	FY 2015	FY 2016 Base	FY 2016 OCO	FY 2016 Total
Procurement Quantity (Units in Each)	-	-	-	-	-	-
Gross/Weapon System Cost (\$ in Millions)	1,323.844	232.609	71.610	69.223	29.500	98.723
Less PY Advance Procurement (\$ in Millions)	-	-	-	-	-	-
Net Procurement (P1) (\$ in Millions)	1,323.844	232.609	71.610	69.223	29.500	98.723
Plus CY Advance Procurement (\$ in Millions)	-	-	-	-	-	-
Total Obligation Authority (\$ in Millions)	1,323.844	232.609	71.610	69.223	29.500	98.723

(The following Resource Summary rows are for informational purposes only. The corresponding budget requests are documented elsewhere.)

Initial Spares (\$ in Millions)	-	-	-	-	-	-
Gross/Weapon System Unit Cost (\$ in Thousands)	-	-	-	-	-	-

Note: Subtotals or Totals in this Exhibit P-5 may not be exact or add, due to rounding.

Cost Elements	Prior Years			FY 2014			FY 2015			FY 2016 Base			FY 2016 OCO			FY 2016 Total		
	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)
Hardware Cost																		
Recurring Cost																		
I3MP Implementation/ Engineering ^(†)	1,250,860.000	1	1,250.860	207,709.000	1	207.709	49,786.000	1	49.786	62,301.000	1	62.301	-	-	-	62,301.000	1	62.301
Project Management Support ^(†)	72,984.000	1	72.984	24,900.000	1	24.900	21,824.000	1	21.824	6,922.000	1	6.922	-	-	-	6,922.000	1	6.922
<i>Subtotal: Recurring Cost</i>	-	-	1,323.844	-	-	232.609	-	-	71.610	-	-	69.223	-	-	-	-	-	69.223
Non Recurring Cost																		
OFS OSP Camp Buehring ^(†)	-	-	-	-	-	-	-	-	-	-	-	-	6,000.000	1	6.000	6,000.000	1	6.000
OFS Diverse Pt of Presence Camp Arifjan ^(†)	-	-	-	-	-	-	-	-	-	-	-	-	4,500.000	1	4.500	4,500.000	1	4.500
OFS COOP/DR OCP ARCENT-Forward ^(†)	-	-	-	-	-	-	-	-	-	-	-	-	3,500.000	1	3.500	3,500.000	1	3.500
OFS OSP Enduring Sites ^(†)	-	-	-	-	-	-	-	-	-	-	-	-	6,000.000	1	6.000	6,000.000	1	6.000
OFS Comm Infra Enduring Sites ^(†)	-	-	-	-	-	-	-	-	-	-	-	-	4,000.000	1	4.000	4,000.000	1	4.000
OFS IPN/SPPN Enduring Sites ^(†)	-	-	-	-	-	-	-	-	-	-	-	-	5,500.000	1	5.500	5,500.000	1	5.500
<i>Subtotal: Non Recurring Cost</i>	-	-	-	-	-	-	-	-	-	-	-	-	-	-	29.500	-	-	29.500
<i>Subtotal: Hardware Cost</i>	-	-	1,323.844	-	-	232.609	-	-	71.610	-	-	69.223	-	-	29.500	-	-	98.723

UNCLASSIFIED

Exhibit P-5, Cost Analysis: PB 2016 Army												Date: February 2015					
Appropriation / Budget Activity / Budget Sub Activity: 2035A / 02 / 73						P-1 Line Item Number / Title: BU0500 / Installation Info Infrastructure Mod Program						Item Number / Title [DODIC]: BU0530 / I3MP - CONUS					
ID Code (A=Service Ready, B=Not Service Ready) :												MDAP/MAIS Code:					

Note: Subtotals or Totals in this Exhibit P-5 may not be exact or add, due to rounding.

Cost Elements	Prior Years			FY 2014			FY 2015			FY 2016 Base			FY 2016 OCO			FY 2016 Total		
	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)
Gross/Weapon System Cost	-	-	1,323.844	-	-	232.609	-	-	71.610	-	-	69.223	-	-	29.500	-	-	98.723

Secondary Distribution		FY 2014	FY 2015	FY 2016 Base	FY 2016 OCO	FY 2016 Total
Army	Quantity	-	-	-	-	-
	Total Obligation Authority	232.609	71.610	69.223	29.500	98.723
Total:	Quantity	-	-	-	-	-
Secondary Distribution	Total Obligation Authority	232.609	71.610	69.223	29.500	98.723

(t) indicates the presence of a P-5a

UNCLASSIFIED

Exhibit P-5a, Procurement History and Planning: PB 2016 Army **Date:** February 2015

Appropriation / Budget Activity / Budget Sub Activity: 2035A / 02 / 73	P-1 Line Item Number / Title: BU0500 / Installation Info Infrastructure Mod Program	Item Number / Title [DODIC]: BU0530 / I3MP - CONUS
--	---	--

Cost Elements	O C O	FY	Contractor and Location	Method/Type or Funding Vehicle	Location of PCO	Award Date	Date of First Delivery	Qty <i>(Each)</i>	Unit Cost <i>(\$ K)</i>	Specs Avail Now?	Date Revision Available	RFP Issue Date
I3MP Implementation/Engineering		2014	Various / Various	C / Various	ACC-RI, Rock Island, IL	Jun 2014	Sep 2014	1	-			
I3MP Implementation/Engineering - 2		2014	Various / Various	MIPR	DISA DITCO Scott, AFB, IL	Feb 2014	Jun 2014	-	-			
I3MP Implementation/Engineering		2015	Various / Various	C / Various	TBD	Feb 2015	Apr 2015	1	49,786.000			
I3MP Implementation/Engineering		2016	Various / Various	C / Various	TBD	Feb 2016	Mar 2016	1	62,301.000			
Project Management Support		2014	Various / National Capital Region	C / Various	ACC-RI, Rock Island, IL	Feb 2014	Mar 2014	1	24,900.000			
Project Management Support		2015	TBD / Various	C / Various	TBD	Feb 2015	Mar 2015	1	21,824.000			
Project Management Support		2016	TBD / Various	C / Various	TBD	Feb 2016	Mar 2016	1	6,922.000			
OFS OSP Camp Buehring	✓	2016	TBD / Various	C / FFP	ACC-RI, Rock Island, IL	Jan 2016	Mar 2016	1	6,000.000			
OFS Diverse Pt of Presence Camp Arifjan	✓	2016	TBD / Various	C / FFP	ACC-RI, Rock Island, IL	Jan 2016	Mar 2016	1	4,500.000			
OFS COOP/DR OCP ARCENT-Forward	✓	2016	TBD / Various	C / FFP	ACC-RI, Rock Island, IL	Feb 2016	Apr 2016	1	3,500.000			
OFS OSP Enduring Sites	✓	2016	TBD / Various	C / FFP	ACC-RI, Rock Island, IL	Feb 2016	Apr 2016	1	6,000.000			
OFS Comm Infra Enduring Sites	✓	2016	TBD / Various	C / FFP	ACC-RI, Rock Island, IL	Jan 2016	Apr 2016	1	4,000.000			
OFS IPN/SPPN Enduring Sites	✓	2016	TBD / Various	C / FFP	ACC-RI, Rock Island, IL	Feb 2016	Apr 2016	1	5,500.000			

Remarks:
 REMARKS: I3MP is a complex program that orchestrates the implementation of multiple disciplines (connectivity (voice, data, Outside Cable Plant (OSP) network)), capacity, storage and information assurance) across multiple locations each with their own developmental cycle, frequently resulting in the overlapping development and implementation of customized communications solutions (to meet unique and diverse mission conditions) at each Army installation. Unit costs and accompanying number of implementations (installations) will, therefore, vary from year to year, due to the complexity of the requirement, size of the installation, state of the information technology being replaced/modernized, the type of technology required, unique configuration and level of effort required to satisfy all requirements. ACC-RI - Army Contracting Command-Rock Island, DISA/DITCO - Defense Information Systems Agency/Defense Information Technology Contracting Organization; OFS - Operation Freedom Sentinel; OSP - Outside Cable Plant; COOP - Continuity of Operations; DR - Disaster Recovery; ARCENT - Army Central; ; IPN - Installation Processing Node; SPPN - Special Purpose Processing Node.

UNCLASSIFIED

Exhibit P-40a, Budget Item Justification For Aggregated Items: PB 2016 Army **Date:** February 2015

Appropriation / Budget Activity / Budget Sub Activity: 2035A / 02 / 73	P-1 Line Item Number / Title: BU0500 / Installation Info Infrastructure Mod Program	Aggregated Items Title: Various
--	---	---

Note: Subtotals or Totals in this Exhibit P-40a may not be exact or add, due to rounding.

Item Number / Title [DODIC]	ID CD	MDAP/MAIS Code	Prior Years			FY 2014			FY 2015			FY 2016 Base			FY 2016 OCO			FY 2016 Total		
			Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)
TERRESTRIAL TRANSMISSION																				
BU2000 / TERRESTRIAL TRANSMISSION			-	-	70.938	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1.298
<i>Secondary Distribution</i>																				
Army			-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1.298
<i>Subtotal: TERRESTRIAL TRANSMISSION</i>			-	-	70.938	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1.298
Total			-	-	70.938	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1.298

UNCLASSIFIED

Exhibit P-5, Cost Analysis: PB 2016 Army		Date: February 2015
Appropriation / Budget Activity / Budget Sub Activity: 2035A / 02 / 73	P-1 Line Item Number / Title: BU0500 / Installation Info Infrastructure Mod Program	Item Number / Title [DODIC]: BU3610 / WW Tech Con Imp Prog (WWTCIP)

ID Code (A=Service Ready, B=Not Service Ready) :	MDAP/MAIS Code:
---	------------------------

Resource Summary	Prior Years	FY 2014	FY 2015	FY 2016 Base	FY 2016 OCO	FY 2016 Total
Procurement Quantity (Units in Each)	-	-	-	-	-	-
Gross/Weapon System Cost (\$ in Millions)	921.977	8.191	8.355	2.975	-	2.975
Less PY Advance Procurement (\$ in Millions)	-	-	-	-	-	-
Net Procurement (P1) (\$ in Millions)	921.977	8.191	8.355	2.975	-	2.975
Plus CY Advance Procurement (\$ in Millions)	-	-	-	-	-	-
Total Obligation Authority (\$ in Millions)	921.977	8.191	8.355	2.975	-	2.975

(The following Resource Summary rows are for informational purposes only. The corresponding budget requests are documented elsewhere.)

Initial Spares (\$ in Millions)	-	-	-	-	-	-
Gross/Weapon System Unit Cost (\$ in Thousands)	-	-	-	-	-	-

Note: Subtotals or Totals in this Exhibit P-5 may not be exact or add, due to rounding.

Cost Elements	Prior Years			FY 2014			FY 2015			FY 2016 Base			FY 2016 OCO			FY 2016 Total		
	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)
Hardware Cost																		
Recurring Cost																		
Program Management Administration ^(†)	78,656.000	1	78.656	1,496.000	1	1.496	1,561.000	1	1.561	730.000	1	0.730	-	-	-	730.000	1	0.730
Engineer, Install & Test ^(†)	281,107.000	3	843.321	4,815.000	1	4.815	6,794.000	1	6.794	2,245.000	1	2.245	-	-	-	2,245.000	1	2.245
<i>Subtotal: Recurring Cost</i>	-	-	921.977	-	-	6.311	-	-	8.355	-	-	2.975	-	-	-	-	-	2.975
Non Recurring Cost																		
Fort Buchanan Matrix Switch ^(†)	-	-	-	1,880.000	1	1.880	-	-	-	-	-	-	-	-	-	-	-	-
<i>Subtotal: Non Recurring Cost</i>	-	-	-	-	-	1.880	-	-	-	-	-	-	-	-	-	-	-	-
<i>Subtotal: Hardware Cost</i>	-	-	921.977	-	-	8.191	-	-	8.355	-	-	2.975	-	-	-	-	-	2.975
Gross/Weapon System Cost	-	-	921.977	-	-	8.191	-	-	8.355	-	-	2.975	-	-	-	-	-	2.975

Secondary Distribution		FY 2014	FY 2015	FY 2016 Base	FY 2016 OCO	FY 2016 Total
Army	Quantity	-	-	-	-	-
	Total Obligation Authority	8.191	8.355	2.975	-	2.975
Total:	Quantity	-	-	-	-	-

UNCLASSIFIED

Exhibit P-5, Cost Analysis: PB 2016 Army				Date: February 2015		
Appropriation / Budget Activity / Budget Sub Activity: 2035A / 02 / 73		P-1 Line Item Number / Title: BU0500 / Installation Info Infrastructure Mod Program		Item Number / Title [DODIC]: BU3610 / WW Tech Con Imp Prog (WWTCIP)		
ID Code (A=Service Ready, B=Not Service Ready) :			MDAP/MAIS Code:			
Secondary Distribution		FY 2014	FY 2015	FY 2016 Base	FY 2016 OCO	FY 2016 Total
Secondary Distribution	Total Obligation Authority	8.191	8.355	2.975	-	2.975

(t) indicates the presence of a P-5a

UNCLASSIFIED

Exhibit P-5a, Procurement History and Planning: PB 2016 Army								Date: February 2015				
Appropriation / Budget Activity / Budget Sub Activity: 2035A / 02 / 73			P-1 Line Item Number / Title: BU0500 / Installation Info Infrastructure Mod Program					Item Number / Title [DODIC]: BU3610 / WW Tech Con Imp Prog (WWTCIP)				
Cost Elements	O C O	FY	Contractor and Location	Method/Type or Funding Vehicle	Location of PCO	Award Date	Date of First Delivery	Qty (Each)	Unit Cost (\$ K)	Specs Avail Now?	Date Revision Available	RFP Issue Date
Program Management Administration		2014	PM DCATS / Ft. Belvoir, VA	Various	PM DCATS, Fort Belvoir, VA	Oct 2013	Nov 2013	1	1,496.000	N		
Program Management Administration		2015	PM DCATS / Ft. Belvoir, VA	Various	PM DCATS, Fort Belvoir, VA	Oct 2014	Nov 2014	1	1,561.000	N		
Program Management Administration		2016	PM DCATS / Ft. Belvoir, VA	Various	PM DCATS, Fort Belvoir, VA	Oct 2015	Nov 2015	1	730.000	N		
Engineer, Install & Test		2014	ISEC / Fort Huachuca, AZ	MIPR	PEO EIS, Ft. Belvoir, VA	Oct 2013	Dec 2013	1	4,815.000	N		
Engineer, Install & Test		2015	ISEC / Fort Huachuca, AZ	MIPR	PEO EIS, Ft. Belvoir, VA	Oct 2014	Dec 2014	1	6,794.000	N		
Engineer, Install & Test		2016	ISEC / Fort Huachuca, AZ	MIPR	PEO EIS, Ft. Belvoir, VA	Oct 2015	Dec 2015	1	2,245.000	N		
Fort Buchanan Matrix Switch		2014	Nisga'a Data Systems, LLC / Herndon, VA	MIPR	USACE, Philadelphia PA	Feb 2014	Jul 2014	1	1,880.000	N		

Remarks:
 WWTCIP procurements consist of COTS/GOTS products.
 USACE - U.S. Army Corps of Engineers; PM DCATS - Project Manager, Defense Communications and Army Transmission Systems (DCATS); PEO EIS - Program Executive Office Enterprise Information Systems.

UNCLASSIFIED

Exhibit P-40, Budget Line Item Justification: PB 2016 Army **Date:** February 2015

Appropriation / Budget Activity / Budget Sub Activity: 2035A: Other Procurement, Army / BA 02: Communications and Electronics Equipment / BSA 80: Elect Equip - Tact Int Rel Act (TIARA)	P-1 Line Item Number / Title: V29600 / JTT/CIBS-M
---	---

ID Code (A=Service Ready, B=Not Service Ready) :	Program Elements for Code B Items:						Other Related Program Elements:					
Resource Summary	Prior Years	FY 2014	FY 2015	FY 2016 Base	FY 2016 OCO	FY 2016 Total	FY 2017	FY 2018	FY 2019	FY 2020	To Complete	Total
Procurement Quantity (Units in Each)	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Cost (\$ in Millions)	313.314	0.824	0.870	0.881	-	0.881	0.892	0.907	0.924	0.940	-	319.552
Less PY Advance Procurement (\$ in Millions)	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P1) (\$ in Millions)	313.314	0.824	0.870	0.881	-	0.881	0.892	0.907	0.924	0.940	-	319.552
Plus CY Advance Procurement (\$ in Millions)	-	-	-	-	-	-	-	-	-	-	-	-
Total Obligation Authority (\$ in Millions)	313.314	0.824	0.870	0.881	-	0.881	0.892	0.907	0.924	0.940	-	319.552
<i>(The following Resource Summary rows are for informational purposes only. The corresponding budget requests are documented elsewhere.)</i>												
Initial Spares (\$ in Millions)	-	-	-	-	-	-	-	-	-	-	-	-
Flyaway Unit Cost (\$ in Thousands)	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Unit Cost (\$ in Thousands)	-	-	-	-	-	-	-	-	-	-	-	-

Description:

The Joint Program Office (JPO) supports all Services and Special Operations Command (SOCOM). The Integrated Broadcast Service (IBS) is the worldwide Department of Defense (DoD) standard network for transmitting time-sensitive tactical and strategic intelligence and targeting data to all echelons of Joint Service operational users. The JPO's role is to consolidate and replace existing IBS terminal functionality and capability, and to expedite execution of the IBS Technical Transition Plan (TTP). The Joint Tactical Terminal (JTT) family of systems currently consists of the JTT-Senior and JTT-IBS. The TTP is a comprehensive refresh effort of the entire IBS network focused on rearchitecting the broadcast from its current multi-broadcast, multi-data format structure, to a single broadcast (Common Interactive Broadcast - CIB) and single data format (Common Message Format - CMF). The JTT family of systems is a critical component of the TTP as these systems are the only IBS receiver/transceiver devices in the DoD being modernized to support both the new consolidated broadcast architecture and the National Security Agency's (NSA) crypto modernization mandate. The JTT upgrades must execute the over-the-air broadcast portion of the TTP and IBS data flow via the existing over-the-air IBS broadcast networks. The JTT is the official IBS producer system, ensuring continued IBS interoperability to a variety of tactical receivers across DoD and the Services throughout the TTP implementation period and beyond. This program funds the completion of test and evaluation of JTT commercial of the shelf hardware and software modules, and performance enhancements to the family of JTT equipment. This is necessary to ensure crypto modernization compliance and to facilitate migration to a rearchitected CIB and CMF-based IBS broadcast structure. Funds also support the coordination of JTT configuration management, training, equipping and supporting the Warfighter with improved Joint Readiness and Interoperability.

Secondary Distribution	FY 2014	FY 2015	FY 2016 Base	FY 2016 OCO	FY 2016 Total	FY 2017	FY 2018	FY 2019	FY 2020
Army	-	-	-	-	-	-	-	-	-
Quantity	-	-	-	-	-	-	-	-	-
Total Obligation Authority	0.824	0.870	0.881	-	0.881	0.892	0.907	0.924	0.940
Total:	-	-	-	-	-	-	-	-	-
Secondary Distribution	0.824	0.870	0.881	-	0.881	0.892	0.907	0.924	0.940

UNCLASSIFIED

Exhibit P-40, Budget Line Item Justification: PB 2016 Army		Date: February 2015
Appropriation / Budget Activity / Budget Sub Activity: 2035A: Other Procurement, Army / BA 02: Communications and Electronics Equipment / BSA 80: Elect Equip - Tact Int Rel Act (TIARA)		P-1 Line Item Number / Title: V29600 / JTT/CIBS-M
ID Code (A=Service Ready, B=Not Service Ready) :	Program Elements for Code B Items:	Other Related Program Elements:
Justification: FY2016 Base procurement dollars in the amount of \$0.881 million funds support of configuration management, sustainment, training, and fielding of JTT-IBS. The approved Army Acquisition Objective is 994. Funding supports the Active Component only.		

UNCLASSIFIED

Exhibit P-40, Budget Line Item Justification: PB 2016 Army **Date:** February 2015

Appropriation / Budget Activity / Budget Sub Activity: 2035A: Other Procurement, Army / BA 02: Communications and Electronics Equipment / BSA 80: Elect Equip - Tact Int Rel Act (TIARA)	P-1 Line Item Number / Title: BZ7326 / Prophet Ground
---	---

ID Code (A=Service Ready, B=Not Service Ready) :		Program Elements for Code B Items:					Other Related Program Elements: 0304270A					
Resource Summary	Prior Years	FY 2014	FY 2015	FY 2016 Base	FY 2016 OCO	FY 2016 Total	FY 2017	FY 2018	FY 2019	FY 2020	To Complete	Total
Procurement Quantity (Units in Each)	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Cost (\$ in Millions)	926.742	55.398	55.896	63.650	-	63.650	18.377	32.536	43.646	47.186	Continuing	Continuing
Less PY Advance Procurement (\$ in Millions)	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P1) (\$ in Millions)	926.742	55.398	55.896	63.650	-	63.650	18.377	32.536	43.646	47.186	Continuing	Continuing
Plus CY Advance Procurement (\$ in Millions)	-	-	-	-	-	-	-	-	-	-	-	-
Total Obligation Authority (\$ in Millions)	926.742	55.398	55.896	63.650	-	63.650	18.377	32.536	43.646	47.186	Continuing	Continuing
<i>(The following Resource Summary rows are for informational purposes only. The corresponding budget requests are documented elsewhere.)</i>												
Initial Spares (\$ in Millions)	-	-	-	-	-	-	-	-	-	-	-	-
Flyaway Unit Cost (\$ in Thousands)	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Unit Cost (\$ in Thousands)	-	4,616.500	4,658.000	4,546.429	-	4,546.429	-	5,422.667	4,364.600	4,289.636	Continuing	Continuing

Description:

Prophet Enhanced (PE) is the current system under the Prophet Ground acquisition program. The PE is the tactical commander's sole organic ground-based Signals Intelligence (SIGINT)/Electronic Warfare system for the Brigade Combat Team (BCT), Stryker Brigade Combat Team (SBCT), and Battlefield Surveillance Brigade (BfSB). Its primary mission is to provide 24-hour Situation Development and Information Superiority to the supported maneuver brigade to enable the most effective engagement of enemy forces. PE provides a modular, scalable, open architecture-based system solution optimized for ease of use in a variety of configurations (Stationary-Fixed, Mobile and Manpack). It also incorporates the ability for rapid integration of Technical Insertions and Pre-Planned Product Improvements to ensure operational relevance. PM Prophet will modernize legacy systems to provide for fleet modernization to meet the requirements of the Prophet program and match the capabilities of the Prophet Enhanced sensors and platforms currently being fielded to the Army.

Army Acquisition Objective (AAO):225

Secondary Distribution		FY 2014	FY 2015	FY 2016 Base	FY 2016 OCO	FY 2016 Total	FY 2017	FY 2018	FY 2019	FY 2020
Army	Quantity	-	-	-	-	-	-	-	-	-
	Total Obligation Authority	55.398	46.969	63.650	-	63.650	18.377	32.536	34.096	37.636
ANG	Quantity	-	-	-	-	-	-	-	-	-
	Total Obligation Authority	-	8.927	-	-	-	-	-	5.130	5.130
AR	Quantity	-	-	-	-	-	-	-	-	-
	Total Obligation Authority	-	-	-	-	-	-	-	4.420	4.420
Total:	Quantity	-	-	-	-	-	-	-	-	-

UNCLASSIFIED

Exhibit P-40, Budget Line Item Justification: PB 2016 Army							Date: February 2015			
Appropriation / Budget Activity / Budget Sub Activity: 2035A: Other Procurement, Army / BA 02: Communications and Electronics Equipment / BSA 80: Elect Equip - Tact Int Rel Act (TIARA)					P-1 Line Item Number / Title: BZ7326 / Prophet Ground					
ID Code (A=Service Ready, B=Not Service Ready) :			Program Elements for Code B Items:			Other Related Program Elements: 0304270A				
Secondary Distribution		FY 2014	FY 2015	FY 2016 Base	FY 2016 OCO	FY 2016 Total	FY 2017	FY 2018	FY 2019	FY 2020
Secondary Distribution	Total Obligation Authority	55.398	55.896	63.650	-	63.650	18.377	32.536	43.646	47.186

UNCLASSIFIED

Exhibit P-40, Budget Line Item Justification: PB 2016 Army **Date:** February 2015

Appropriation / Budget Activity / Budget Sub Activity: 2035A: Other Procurement, Army / BA 02: Communications and Electronics Equipment / BSA 80: Elect Equip - Tact Int Rel Act (TIARA)	P-1 Line Item Number / Title: BZ7326 / Prophet Ground
---	---

ID Code (A=Service Ready, B=Not Service Ready) :	Program Elements for Code B Items:	Other Related Program Elements: 0304270A
---	---	---

Exhibits Schedule			Prior Years	FY 2014	FY 2015	FY 2016 Base	FY 2016 OCO	FY 2016 Total
Title*	Exhibits	ID CD	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)
BZ7326 / Prophet Ground	P-5, P-5a, P-21		- / 926.742	- / 55.398	- / 55.896	- / 63.650	- / -	- / 63.650
Total Gross/Weapon System Cost			- / 926.742	- / 55.398	- / 55.896	- / 63.650	- / -	- / 63.650

*Title represents 1) the Number / Title for Items; 2) the Number / Title [DODIC] for Ammunition; and/or 3) the Number / Title (Modification Type) for Modifications.

Note: Totals in this Exhibit P-40 set may not be exact or add due to rounding.

Justification:
 FY2016 Base procurement dollars in the amount of \$63.650 million supports the modernization of 14 legacy Prophet systems to modern SIGINT capabilities, plus associated support for New Equipment Training, fieldings and spares for these systems. Prophet continues to modernize legacy systems. After individual modernized systems are assessed during retrofit (and possible re-use of parts) at the contractor's facility, additional cost savings may be realized, and additional quantities purchased.

IAW Section 1815 of the FY 2008 National Defense Authorization Act (P.L. 110-181), this item is necessary for use by the active and reserve components of the Armed Forces for homeland defense missions, domestic emergency responses, and providing military support to civil authorities.

UNCLASSIFIED

Exhibit P-5, Cost Analysis: PB 2016 Army						Date: February 2015		
Appropriation / Budget Activity / Budget Sub Activity: 2035A / 02 / 80			P-1 Line Item Number / Title: BZ7326 / Prophet Ground			Item Number / Title [DODIC]: BZ7326 / Prophet Ground		
ID Code (A=Service Ready, B=Not Service Ready) :				MDAP/MAIS Code:				
Resource Summary			Prior Years	FY 2014	FY 2015	FY 2016 Base	FY 2016 OCO	FY 2016 Total
Procurement Quantity (Units in Each)			-	-	-	-	-	-
Gross/Weapon System Cost (\$ in Millions)			926.742	55.398	55.896	63.650	-	63.650
Less PY Advance Procurement (\$ in Millions)			-	-	-	-	-	-
Net Procurement (P1) (\$ in Millions)			926.742	55.398	55.896	63.650	-	63.650
Plus CY Advance Procurement (\$ in Millions)			-	-	-	-	-	-
Total Obligation Authority (\$ in Millions)			926.742	55.398	55.896	63.650	-	63.650
<i>(The following Resource Summary rows are for informational purposes only. The corresponding budget requests are documented elsewhere.)</i>								
Initial Spares (\$ in Millions)			-	-	-	-	-	-
Gross/Weapon System Unit Cost (\$ in Thousands)			-	4,616.500	4,658.000	4,546.429	-	4,546.429

Note: Subtotals or Totals in this Exhibit P-5 may not be exact or add, due to rounding.

Cost Elements	Prior Years			FY 2014			FY 2015			FY 2016 Base			FY 2016 OCO			FY 2016 Total		
	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)
Flyaway Cost																		
Recurring Cost																		
Prophet Enhanced Systems H/W ^(†)	-	-	926.742	1,808.000	12	21.696	-	-	-	-	-	-	-	-	-	-	-	-
Program Quality Management	-	-	-	-	-	2.597	-	-	2.647	-	-	2.714	-	-	-	-	-	2.714
P3I Integration	-	-	-	-	-	10.929	-	-	9.577	-	-	10.352	-	-	-	-	-	10.352
GFE	-	-	-	-	-	0.317	-	-	0.327	-	-	0.336	-	-	-	-	-	0.336
Initial Spares	-	-	-	-	-	4.829	-	-	5.923	-	-	7.764	-	-	-	-	-	7.764
Training / Fielding	-	-	-	-	-	5.376	-	-	5.645	-	-	8.696	-	-	-	-	-	8.696
Software Engineering	-	-	-	-	-	5.016	-	-	3.270	-	-	3.368	-	-	-	-	-	3.368
Project Management Costs	-	-	-	-	-	4.638	-	-	4.960	-	-	5.108	-	-	-	-	-	5.108
Prophet Enhanced Legacy System Upgrade ^(†)	-	-	-	-	-	-	1,808.000	12	21.696	1,808.000	14	25.312	-	-	-	1,808.000	14	25.312
Source Selection Evaluation Board	-	-	-	-	-	-	-	-	1.851	-	-	-	-	-	-	-	-	-
Subtotal: Recurring Cost	-	-	926.742	-	-	55.398	-	-	55.896	-	-	63.650	-	-	-	-	-	63.650
Subtotal: Flyaway Cost	-	-	926.742	-	-	55.398	-	-	55.896	-	-	63.650	-	-	-	-	-	63.650
Gross/Weapon System Cost	-	-	926.742	4,616.500	-	55.398	4,658.000	-	55.896	4,546.429	-	63.650	-	-	-	4,546.429	-	63.650

UNCLASSIFIED

Exhibit P-5, Cost Analysis: PB 2016 Army **Date:** February 2015

Appropriation / Budget Activity / Budget Sub Activity: 2035A / 02 / 80	P-1 Line Item Number / Title: BZ7326 / Prophet Ground	Item Number / Title [DODIC]: BZ7326 / Prophet Ground
--	---	--

ID Code (A=Service Ready, B=Not Service Ready) :	MDAP/MAIS Code:
---	------------------------

Secondary Distribution		FY 2014	FY 2015	FY 2016 Base	FY 2016 OCO	FY 2016 Total
Army	Quantity	-	-	-	-	-
	Total Obligation Authority	55.398	46.969	63.650	-	63.650
ANG	Quantity	-	-	-	-	-
	Total Obligation Authority	-	8.927	-	-	-
Total: Secondary Distribution	Quantity	-	-	-	-	-
	Total Obligation Authority	55.398	55.896	63.650	-	63.650

(†) indicates the presence of a P-5a

UNCLASSIFIED

Exhibit P-5a, Procurement History and Planning: PB 2016 Army **Date:** February 2015

Appropriation / Budget Activity / Budget Sub Activity: 2035A / 02 / 80	P-1 Line Item Number / Title: BZ7326 / Prophet Ground	Item Number / Title [DODIC]: BZ7326 / Prophet Ground
--	---	--

Cost Elements	O C O	FY	Contractor and Location	Method/Type or Funding Vehicle	Location of PCO	Award Date	Date of First Delivery	Qty <i>(Each)</i>	Unit Cost <i>(\$ K)</i>	Specs Avail Now?	Date Revision Available	RFP Issue Date
Prophet Enhanced Systems H/W ^(†)		2014	GD C4 Systems / Scottsdale	C / FFP	CECOM	Apr 2014	Oct 2014	12	1,808.000			
Prophet Enhanced Legacy System Upgrade ^(†)		2015	GD C4 Systems / Scottsdale	C / FFP	CECOM	Feb 2015	Oct 2015	12	1,808.000			
Prophet Enhanced Legacy System Upgrade ^(†)		2016	GD C4 Systems / Scottsdale	C / FFP	CECOM	Feb 2016	Oct 2016	14	1,808.000			

^(†) indicates the presence of a P-21

UNCLASSIFIED

Exhibit P-21, Production Schedule: PB 2016 Army **Date:** February 2015

Appropriation / Budget Activity / Budget Sub Activity: 2035A / 02 / 80	P-1 Line Item Number / Title: BZ7326 / Prophet Ground	Item Number / Title [DODIC]: BZ7326 / Prophet Ground
--	---	--

Cost Elements <i>(Units in Each)</i>						Fiscal Year 2014												Fiscal Year 2015																																		
O C C O	M F R #	FY	SERVICE	PROC QTY	ACCEPT PRIOR TO 1 OCT 2013	BAL DUE AS OF 1 OCT	Calendar Year 2014												Calendar Year 2015																																	
							O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	B A L																					
Prophet Enhanced Systems H/W																																																				
	1	2014	ARMY	12	-	12																																														
Prophet Enhanced Legacy System Upgrade																																																				
	2	2015	ARMY	12	-	12																						12																								
	2	2016	ARMY	14	-	14																						14																								
<table border="1" style="width: 100%; border-collapse: collapse; font-size: 8px;"> <tr> <td>O C T</td> <td>N O V</td> <td>D E C</td> <td>J A N</td> <td>F E B</td> <td>M A R</td> <td>A P R</td> <td>M A Y</td> <td>J U N</td> <td>J U L</td> <td>A U G</td> <td>S E P</td> <td>O C T</td> <td>N O V</td> <td>D E C</td> <td>J A N</td> <td>F E B</td> <td>M A R</td> <td>A P R</td> <td>M A Y</td> <td>J U N</td> <td>J U L</td> <td>A U G</td> <td>S E P</td> <td>B A L</td> </tr> </table>																												O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	B A L
O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	B A L																												

UNCLASSIFIED

Exhibit P-21, Production Schedule: PB 2016 Army **Date:** February 2015

Appropriation / Budget Activity / Budget Sub Activity: 2035A / 02 / 80	P-1 Line Item Number / Title: BZ7326 / Prophet Ground	Item Number / Title [DODIC]: BZ7326 / Prophet Ground
--	---	--

Cost Elements <i>(Units in Each)</i>						Fiscal Year 2016												Fiscal Year 2017													
O C C O	M F R #	FY	SERVICE	PROC QTY	ACCEPT PRIOR TO 1 OCT 2015	BAL DUE AS OF 1 OCT	Calendar Year 2016												Calendar Year 2017												
							O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	B A L
Prophet Enhanced Systems H/W																															
	1	2014	ARMY	12	12	-																									
Prophet Enhanced Legacy System Upgrade																															
	2	2015	ARMY	12	-	12	2	2	2	2	2	2																			
	2	2016	ARMY	14	-	14							A	-	-	-	-	-	-	-	2	2	2	2	2	2	2				
							O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	B A L

UNCLASSIFIED

Exhibit P-21, Production Schedule: PB 2016 Army	Date: February 2015
--	----------------------------

Appropriation / Budget Activity / Budget Sub Activity: 2035A / 02 / 80	P-1 Line Item Number / Title: BZ7326 / Prophet Ground	Item Number / Title [DODIC]: BZ7326 / Prophet Ground
--	---	--

MFR Ref #	MFR Name - Location	Production Rates (Each / Month)			Procurement Leadtime (Months)							
		MSR For 2016	1-8-5 For 2016	MAX For 2016	Initial				Reorder			
					ALT Prior to Oct 1	ALT After Oct 1	Mfg PLT	Total After Oct 1	ALT Prior to Oct 1	ALT After Oct 1	Mfg PLT	Total After Oct 1
1	GD C4 Systems - Scottsdale	4	25	96	10	2	9	11	2	3	6	9
2	GD C4 Systems - Scottsdale	4	25	96	10	2	9	11	2	3	6	9

Remarks:
 Production rates reflect annual capacity. Contractor's production strategy is to build systems from sub-assembly level to parent assembly over the production lifecycle. GD utilizes cross-trained personnel for other GD requirements during months when PROPHET systems are not in production (no gap in production line).

"A" in the Delivery Schedule indicates the Contract Award Date.

Note: Due to space limitations, quantities in the Exhibit P-21 delivery calendar are truncated and rounded based on the maximum quantity in the calendar as follows. If the maximum quantity is less than or equal to than 9,999, all quantities are shown as each. If the maximum quantity is between 10,000 and 999,999 all quantities are shown in thousands. If the maximum quantity is between 1,000,000 and 999,999,999 all quantities are shown in millions (rounded to the nearest thousand). If the maximum quantity is equal or greater than 1,000,000,000 all quantities are shown in billions (rounded to the nearest million).

UNCLASSIFIED

Exhibit P-40, Budget Line Item Justification: PB 2016 Army **Date:** February 2015

Appropriation / Budget Activity / Budget Sub Activity: 2035A: Other Procurement, Army / BA 02: Communications and Electronics Equipment / BSA 80: Elect Equip - Tact Int Rel Act (TIARA)	P-1 Line Item Number / Title: BU4050 / DRUG INTERDICTION PROGRAM (DIP) (TIARA)
---	--

ID Code (A=Service Ready, B=Not Service Ready) :	Program Elements for Code B Items:	Other Related Program Elements:
---	---	--

Resource Summary	Prior Years	FY 2014	FY 2015	FY 2016 Base	FY 2016 OCO	FY 2016 Total	FY 2017	FY 2018	FY 2019	FY 2020	To Complete	Total
Procurement Quantity <i>(Units in Each)</i>	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Cost <i>(\$ in Millions)</i>	0.001	-	-	-	-	-	-	-	-	-	-	0.001
Less PY Advance Procurement <i>(\$ in Millions)</i>	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P1) <i>(\$ in Millions)</i>	0.001	-	-	-	-	-	-	-	-	-	-	0.001
Plus CY Advance Procurement <i>(\$ in Millions)</i>	-	-	-	-	-	-	-	-	-	-	-	-
Total Obligation Authority <i>(\$ in Millions)</i>	0.001	-	-	-	-	-	-	-	-	-	-	0.001

(The following Resource Summary rows are for informational purposes only. The corresponding budget requests are documented elsewhere.)

Initial Spares <i>(\$ in Millions)</i>	-	-	-	-	-	-	-	-	-	-	-	-
Flyaway Unit Cost <i>(\$ in Thousands)</i>	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Unit Cost <i>(\$ in Thousands)</i>	-	-	-	-	-	-	-	-	-	-	-	-

Description:

CLASSIFIED PROGRAM: INFORMATION WILL BE PROVIDED UPON REQUEST.

UNCLASSIFIED

Exhibit P-40, Budget Line Item Justification: PB 2016 Army **Date:** February 2015

Appropriation / Budget Activity / Budget Sub Activity: 2035A: Other Procurement, Army / BA 02: Communications and Electronics Equipment / BSA 80: Elect Equip - Tact Int Rel Act (TIARA)	P-1 Line Item Number / Title: BZ7316 / DCGS-A (MIP)
---	---

ID Code (A=Service Ready, B=Not Service Ready) :	Program Elements for Code B Items:						Other Related Program Elements: 0305208A					
Resource Summary	Prior Years	FY 2014	FY 2015	FY 2016 Base	FY 2016 OCO	FY 2016 Total	FY 2017	FY 2018	FY 2019	FY 2020	To Complete	Total
Procurement Quantity (Units in Each)	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Cost (\$ in Millions)	1,891.583	137.990	192.038	260.268	54.140	314.408	250.786	284.177	311.103	347.362	Continuing	Continuing
Less PY Advance Procurement (\$ in Millions)	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P1) (\$ in Millions)	1,891.583	137.990	192.038	260.268	54.140	314.408	250.786	284.177	311.103	347.362	Continuing	Continuing
Plus CY Advance Procurement (\$ in Millions)	-	-	-	-	-	-	-	-	-	-	-	-
Total Obligation Authority (\$ in Millions)	1,891.583	137.990	192.038	260.268	54.140	314.408	250.786	284.177	311.103	347.362	Continuing	Continuing
<i>(The following Resource Summary rows are for informational purposes only. The corresponding budget requests are documented elsewhere.)</i>												
Initial Spares (\$ in Millions)	-	-	-	-	-	-	-	-	-	-	-	-
Flyaway Unit Cost (\$ in Thousands)	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Unit Cost (\$ in Thousands)	-	-	-	155.725	-	155.725	-	-	-	-	Continuing	Continuing

Description:

Distributed Common Ground System - Army (DCGS-A) is the Intelligence, Surveillance and Reconnaissance (ISR) System of Systems (SoS) for Joint, Interagency, Allied, Coalition, and National data analysis, sharing and collaboration. The core functions of DCGS-A are: the vertical and horizontal synchronization of ISR Processing, Exploitation and Dissemination (PED) efforts; operations in a networked environment at multiple security levels; the control of select Army and joint sensor systems; the fusion of all acquired data and information, and distribution of relevant red (threat), gray (non-aligned), and environmental (weather and terrain) information; and providing the Warfighters' early warning and targeting capability. DCGS-A provides a single integrated ISR ground processing system composed of common components that are interoperable with sensors, other information sources, all Warfighting Functions, and the Defense Information & Intelligence Enterprise (DI2E). DCGS-A is fielded in Fixed and Mobile configurations emphasizing the use of reach and split based operations by improving accessibility of data in order to reduce forward deployed footprint. As enhanced capabilities are developed and tested, a continuing series of software releases will be integrated into Army common/commodity hardware and fielded to units in accordance with (IAW) the Army Force Modernization Strategy and the Dynamic Army Resourcing Priority List (DARPL).

The Army Acquisition Executive designated Program Executive Office Intelligence Electronic Warfare and Sensors (PEO IEW&S) as the Command Post Computing Environment (CPCE) lead. As such, DCGS-A is defining the architecture to fit within the Common Operating Environment (COE) as described by the Assistant Secretary of the Army (Acquisition, Logistics, and Technology) (ASA(ALT)) COE Implementation Plan. This is in accordance with the G-3/5/7 priority to align all Army networks, procurements, and enhancements under one COE and one vision leveraging intelligence community investments.

DCGS-A hardware and software is based on a combination of Government Off The Shelf (GOTS), Commercial Off The Shelf (COTS), and Non-Developmental Items (NDI) that are integrated into scalable configurations, tailored to Warfighting functions. These product line components include the software baseline, server suite [Intelligence Fusion Server (IFS)] and individual analyst multi-function workstations, such as Portable and Fixed-Multi-Function Workstations (P-MFWS) and Geospatial Intelligence (GEOINT) Workstation. These components are also used to upgrade existing fielded Intel Programs of Record to enable the establishment of the Army COE while simultaneously assuring system compatibility and interoperability within the DCGS enterprise.

DCGS-A is a designated Major Automation Information System (MAIS), and is deployed on multiple hardware platforms and security levels across the Army. DCGS-A achieved a successful Milestone C in 2Q12, and following the operational assessment and Full Deployment Decision (FDD) in 1Q13, DCGS-A Increment 1 Release 1 capabilities are being deployed across the Force IAW the DARPL. Increment 1, Release 2 and Increment 2 capabilities will be fielded incrementally through software releases integrated onto the fielded product line hardware configurations.

Within the Brigade Combat Teams (BCTs), DCGS-A provides basic mobile ISR capability as well as software applications that can be embedded on future Command, Control, Communications & Intelligence (C3I) and other systems. At the Corps, Division and Echelons Above Corps (EAC), DCGS-software will be hosted on fixed, mobile and portable configurations. DCGS-A consolidates and modernizes the PED capabilities formerly found in the following programs, allowing for their continuing disposition out of the force structure: All Source Analysis System (ASAS) Family of Systems (FoS), Tactical Exploitation System

UNCLASSIFIED

Exhibit P-40, Budget Line Item Justification: PB 2016 Army **Date:** February 2015

Appropriation / Budget Activity / Budget Sub Activity: 2035A: Other Procurement, Army / BA 02: Communications and Electronics Equipment / BSA 80: Elect Equip - Tact Int Rel Act (TIARA)	P-1 Line Item Number / Title: BZ7316 / DCGS-A (MIP)
---	---

ID Code (A=Service Ready, B=Not Service Ready) :	Program Elements for Code B Items:	Other Related Program Elements: 0305208A
---	---	---

(TES) FoS, Integrated Meteorological System (IMETS) FoS, Digital Topographic Support System (DTSS) FoS, Counterintelligence and Interrogation Operations (CI&I Ops) workstation, Guardrail Common Sensor Intelligence Processing Facility/Guardrail Ground Baseline, Common Ground Station, Prophet Control, and Enhanced Trackwolf processing capabilities. DCGS-A will continue to develop software packages to be embedded into mission command and other select systems providing future enhanced ISR/analytic capabilities.

Secondary Distribution		FY 2014	FY 2015	FY 2016 Base	FY 2016 OCO	FY 2016 Total	FY 2017	FY 2018	FY 2019	FY 2020
Army	Quantity	-	-	-	-	-	-	-	-	-
	Total Obligation Authority	122.890	165.137	205.623	54.140	259.763	196.410	228.992	244.238	279.226
ANG	Quantity	-	-	-	-	-	-	-	-	-
	Total Obligation Authority	15.100	24.742	49.990	-	49.990	49.711	50.520	62.200	63.382
AR	Quantity	-	-	-	-	-	-	-	-	-
	Total Obligation Authority	-	2.159	4.655	-	4.655	4.665	4.665	4.665	4.754
Total: Secondary Distribution	Quantity	-	-	-	-	-	-	-	-	-
	Total Obligation Authority	137.990	192.038	260.268	54.140	314.408	250.786	284.177	311.103	347.362

UNCLASSIFIED

Exhibit P-40, Budget Line Item Justification: PB 2016 Army **Date:** February 2015

Appropriation / Budget Activity / Budget Sub Activity: 2035A: Other Procurement, Army / BA 02: Communications and Electronics Equipment / BSA 80: Elect Equip - Tact Int Rel Act (TIARA)	P-1 Line Item Number / Title: BZ7316 / DCGS-A (MIP)
---	---

ID Code (A=Service Ready, B=Not Service Ready) :	Program Elements for Code B Items:	Other Related Program Elements: 0305208A
---	---	---

Exhibits Schedule			Prior Years	FY 2014	FY 2015	FY 2016 Base	FY 2016 OCO	FY 2016 Total
Title*	Exhibits	ID CD	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)
BZ7316 / DCGS-A (MIP)	P-5, P-5a		- / 1,891.583	- / 137.990	- / 192.038	- / 260.268	- / 54.140	- / 314.408
Total Gross/Weapon System Cost			- / 1,891.583	- / 137.990	- / 192.038	- / 260.268	- / 54.140	- / 314.408

*Title represents 1) the Number / Title for Items; 2) the Number / Title [DODIC] for Ammunition; and/or 3) the Number / Title (Modification Type) for Modifications.

Note: Totals in this Exhibit P-40 set may not be exact or add due to rounding.

Justification:

FY2016 Base funding in the amount of \$260.268 million will modernize and procure components for the DCGS-A fixed Sites, mobile variants and Program of Record (POR) systems transitioned to the DCGS-A capability. DCGS-A hardware and software will be integrated into select ISR Current Force POR systems, generating a cost savings, to network enable and provide enhanced ISR PED capabilities IAW the Army's Equipping Strategy. Funding supports the DARPL by equipping and training next deployers with the current DCGS-A software release. Funding also procures new COTS software licenses to enhance performance of fielded systems, as well as supports integration of Intelligence Community investments. DCGS-A supports the Army's Geospatial Transformation by providing an integrated visualization capability for intelligence, terrain, and weather effects in a net centric environment.

FY2016 OCO funding in the amount of \$54.140 million is required to reset and recapitalize 1 Operational Intelligence Ground Station (OGS), 13 Geospatial Intelligence (GEOINT) Workstations (GWS), and 5 Tactical Intelligence Ground Stations (TGS).

In accordance with Section 1815 of the FY 2008 National Defense Authorization Act (P.L. 110-181), this item is necessary for use by the active and reserve components of the Armed Forces for homeland defense missions, domestic emergency responses, and providing military support to civil authorities.

UNCLASSIFIED

Exhibit P-5, Cost Analysis: PB 2016 Army						Date: February 2015		
Appropriation / Budget Activity / Budget Sub Activity: 2035A / 02 / 80			P-1 Line Item Number / Title: BZ7316 / DCGS-A (MIP)			Item Number / Title [DODIC]: BZ7316 / DCGS-A (MIP)		
ID Code (A=Service Ready, B=Not Service Ready) :						MDAP/MAIS Code:		
Resource Summary			Prior Years	FY 2014	FY 2015	FY 2016 Base	FY 2016 OCO	FY 2016 Total
Procurement Quantity (Units in Each)			-	-	-	-	-	-
Gross/Weapon System Cost (\$ in Millions)			1,891.583	137.990	192.038	260.268	54.140	314.408
Less PY Advance Procurement (\$ in Millions)			-	-	-	-	-	-
Net Procurement (P1) (\$ in Millions)			1,891.583	137.990	192.038	260.268	54.140	314.408
Plus CY Advance Procurement (\$ in Millions)			-	-	-	-	-	-
Total Obligation Authority (\$ in Millions)			1,891.583	137.990	192.038	260.268	54.140	314.408
<i>(The following Resource Summary rows are for informational purposes only. The corresponding budget requests are documented elsewhere.)</i>								
Initial Spares (\$ in Millions)			-	-	-	-	-	-
Gross/Weapon System Unit Cost (\$ in Thousands)			-	-	-	155.725	-	155.725

Note: Subtotals or Totals in this Exhibit P-5 may not be exact or add, due to rounding.

Cost Elements	Prior Years			FY 2014			FY 2015			FY 2016 Base			FY 2016 OCO			FY 2016 Total		
	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)
Flyaway Cost																		
Recurring Cost																		
Tactical ISR Grd Station (TGS/DE CGS) HW ^(†)	-	-	1,374.396	-	-	-	-	-	-	2,277.000	11	25.047	2,277.000	5	11.385	2,277.000	16	36.432
Tactical ISR Grd Station (OCO)	-	-	-	-	-	-	-	-	2.500	-	-	-	-	-	-	-	-	-
ISR Process Ctr - V1 (IPC V1/DE ACE) HW ^(†)	-	-	-	900.000	3	2.700	-	-	-	1,200.000	4	4.800	-	-	-	1,200.000	4	4.800
Oper ISR Grnd Station (OGS/SIPC) HW ^(†)	-	-	-	-	-	-	-	-	10.800	9,000.000	2	18.000	9,000.000	1	9.000	9,000.000	3	27.000
OGS Refresh/Repair	-	-	-	-	-	-	-	-	-	-	-	2.200	-	-	-	-	-	2.200
Oper ISR Grnd Station (OCO) HW	-	-	-	-	-	-	-	-	17.700	-	-	-	-	-	-	-	-	-
ISR Process Ctr V2 (IPC V2/DE ACT-E)HW ^(†)	-	-	-	-	-	-	-	-	-	1,685.000	16	26.960	-	-	-	1,685.000	16	26.960
ISR Process Ctr V3 ^(†)	-	-	-	-	-	-	-	-	-	3,400.000	3	10.200	-	-	-	3,400.000	3	10.200
GEOINT WS (GWS/DE DTSS-D) HW ^(†)	-	-	12.900	142.000	53	7.526	142.000	119	16.898	141.000	134	18.894	141.000	13	1.833	141.000	147	20.727
GEOINT WS (OCO) HW ^(†)	-	-	-	142.000	12	1.704	-	-	7.130	-	-	-	-	-	-	-	-	-

UNCLASSIFIED

Exhibit P-5, Cost Analysis: PB 2016 Army													Date: February 2015				
Appropriation / Budget Activity / Budget Sub Activity: 2035A / 02 / 80							P-1 Line Item Number / Title: BZ7316 / DCGS-A (MIP)						Item Number / Title [DODIC]: BZ7316 / DCGS-A (MIP)				
ID Code (A=Service Ready, B=Not Service Ready) :										MDAP/MAIS Code:							

Note: Subtotals or Totals in this Exhibit P-5 may not be exact or add, due to rounding.

Cost Elements	Prior Years			FY 2014			FY 2015			FY 2016 Base			FY 2016 OCO			FY 2016 Total		
	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)
GEOINT WS (OCO) HW Refresh	-	-	-	-	-	-	-	-	-	-	-	-	85.000	1	0.085	85.000	1	0.085
Intel Fusion Server (IFS) HW ^(†)	-	-	45.593	225.000	16	3.600	225.000	199	44.775	288.000	200	57.600	288.000	8	2.304	288.000	208	59.904
Intel Fusion Server (IFS) SW	-	-	-	-	-	-	-	-	-	-	-	-	57.000	4	0.228	57.000	4	0.228
Portable (P)Multi Function WorkSta. HW ^(†)	-	-	94.220	3.000	4,527	13.581	5.500	2,098	11.539	5.000	1,620	8.100	5.000	85	0.425	5.000	1,705	8.525
TPE H/W S/W Refresh	-	-	-	-	-	7.200	-	-	7.250	-	-	-	-	-	10.880	-	-	10.880
Fixed Site Refresh	-	-	-	-	-	-	-	-	-	-	-	4.600	-	-	18.000	-	-	22.600
TGS Software Update/ Integration	-	-	-	-	-	-	-	-	2.000	-	-	-	-	-	-	-	-	-
Software Licenses for Int. on DCGS HW	-	-	364.474	-	-	35.517	-	-	20.764	-	-	17.000	-	-	-	-	-	17.000
Program Office Support	-	-	-	-	-	9.814	-	-	10.287	-	-	10.818	-	-	-	-	-	10.818
Software Integration on to DCGS HW	-	-	-	-	-	21.700	-	-	9.000	-	-	5.939	-	-	-	-	-	5.939
Fielding	-	-	-	-	-	4.613	-	-	5.440	-	-	21.193	-	-	-	-	-	21.193
Training	-	-	-	-	-	4.758	-	-	5.760	-	-	6.451	-	-	-	-	-	6.451
Technical Engineering Services	-	-	-	-	-	25.277	-	-	20.195	-	-	21.180	-	-	-	-	-	21.180
Data	-	-	-	-	-	-	-	-	-	-	-	1.286	-	-	-	-	-	1.286
<i>Subtotal: Recurring Cost</i>	-	-	1,891.583	-	-	137.990	-	-	192.038	-	-	260.268	-	-	54.140	-	-	314.408
<i>Subtotal: Flyaway Cost</i>	-	-	1,891.583	-	-	137.990	-	-	192.038	-	-	260.268	-	-	54.140	-	-	314.408
Gross/Weapon System Cost	-	-	1,891.583	-	-	137.990	-	-	192.038	155.725	-	260.268	-	-	54.140	155.725	-	314.408

Secondary Distribution		FY 2014	FY 2015	FY 2016 Base	FY 2016 OCO	FY 2016 Total
Army	Quantity	-	-	-	-	-
	Total Obligation Authority	122.890	165.137	205.623	54.140	259.763
ANG	Quantity	-	-	-	-	-
	Total Obligation Authority	15.100	24.742	49.990	-	49.990
AR	Quantity	-	-	-	-	-
	Total Obligation Authority	-	2.159	4.655	-	4.655
Total:	Quantity	-	-	-	-	-

UNCLASSIFIED

Exhibit P-5, Cost Analysis: PB 2016 Army				Date: February 2015		
Appropriation / Budget Activity / Budget Sub Activity: 2035A / 02 / 80		P-1 Line Item Number / Title: BZ7316 / DCGS-A (MIP)		Item Number / Title [DODIC]: BZ7316 / DCGS-A (MIP)		
ID Code (A=Service Ready, B=Not Service Ready) :			MDAP/MAIS Code:			
Secondary Distribution		FY 2014	FY 2015	FY 2016 Base	FY 2016 OCO	FY 2016 Total
Secondary Distribution	Total Obligation Authority	137.990	192.038	260.268	54.140	314.408

(t) indicates the presence of a P-5a

UNCLASSIFIED

Exhibit P-5a, Procurement History and Planning: PB 2016 Army **Date:** February 2015

Appropriation / Budget Activity / Budget Sub Activity: 2035A / 02 / 80	P-1 Line Item Number / Title: BZ7316 / DCGS-A (MIP)	Item Number / Title [DODIC]: BZ7316 / DCGS-A (MIP)
--	---	--

Cost Elements	O C O	FY	Contractor and Location	Method/Type or Funding Vehicle	Location of PCO	Award Date	Date of First Delivery	Qty <i>(Each)</i>	Unit Cost <i>(\$ K)</i>	Specs Avail Now?	Date Revision Available	RFP Issue Date
Tactical ISR Grd Station (TGS/DE CGS) HW		2016	General Dynamics4 / Phoenix, AZ - TGS(DEC GS)	C / CPFF	CECOM ACQ CENTER	Mar 2016	Jun 2016	16	2,277.000			
ISR Process Ctr - V1 (IPC V1/DE ACE) HW		2014	General Dynamics6 / Taunton, MA - (IPC V1)	C / CPFF	CECOM ACQ CENTER	Sep 2014	Jan 2015	3	900.000			
ISR Process Ctr - V1 (IPC V1/DE ACE) HW		2016	General Dynamics6 / Taunton, MA - (IPC V1)	C / CPFF	CECOM ACQ CENTER	Jul 2016	Oct 2016	4	1,200.000			
Oper ISR Grnd Station (OGS/SIPC) HW		2016	CACI / Elkridge, NJ (OGS)	C / CPFF	CECOM ACQ CENTER	Jun 2016	Sep 2016	3	9,000.000			
ISR Process Ctr V2 (IPC V2/DE ACT-E)HW		2016	TBD / TBD (IPC V2)	C / CPFF	CECOM ACQ CENTER	Jun 2016	Sep 2016	16	1,685.000			
ISR Process Ctr V3		2016	General Dynamics5 / Taunton, MA - MFWS	C / FP	CECOM ACQ CENTER	Mar 2016	Jun 2016	3	3,400.000			
GEOINT WS (GWS/DE DTSS-D) HW		2014	General Dynamics1 / Taunton, MA - GWS	C / FP	CECOM ACQ CENTER	Oct 2014	Mar 2015	53	142.000			
GEOINT WS (GWS/DE DTSS-D) HW		2015	General Dynamics1 / Taunton, MA - GWS	C / FP	CECOM ACQ CENTER	Feb 2015	Jul 2015	119	142.000			
GEOINT WS (GWS/DE DTSS-D) HW		2016	General Dynamics1 / Taunton, MA - GWS	C / FP	CECOM ACQ CENTER	Feb 2016	May 2016	147	141.000			
GEOINT WS (OCO) HW		2014	General Dynamics5 / Taunton, MA - MFWS	C / FP	CECOM ACQ CENTER	Oct 2014	Mar 2015	12	142.000			
Intel Fusion Server (IFS) HW		2014	General Dynamics2 / Taunton, MA - IFS	C / FP	CECOM ACQ CENTER	Oct 2014	Mar 2015	16	225.000			
Intel Fusion Server (IFS) HW		2015	General Dynamics2 / Taunton, MA - IFS	C / FP	CECOM ACQ CENTER	Feb 2015	Jun 2015	199	225.000			
Intel Fusion Server (IFS) HW		2016	General Dynamics2 / Taunton, MA - IFS	C / FP	CECOM ACQ CENTER	Feb 2016	May 2016	208	288.000			
Portable (P)Multi Function WorkSta. HW		2014	General Dynamics5 / Taunton, MA - MFWS	C / FP	CECOM ACQ CENTER	Feb 2014	Apr 2014	4,527	3.000			
Portable (P)Multi Function WorkSta. HW		2015	General Dynamics5 / Taunton, MA - MFWS	C / FP	CECOM ACQ CENTER	Feb 2015	Apr 2015	2,098	5.500			
Portable (P)Multi Function WorkSta. HW		2016	General Dynamics5 / Taunton, MA - MFWS	C / FP	CECOM ACQ CENTER	Feb 2016	May 2016	1,705	5.000			

Remarks:
 Based on the approved Army Cost Position in preparation for the Full Deployment Decision, the program office has updated the P-form to reflect software, system integration, engineering change proposals, and engineering support costs separately from the system unit costs.

 All DCGS-A hardware is comprised solely of COTS equipment.

UNCLASSIFIED

Exhibit P-40, Budget Line Item Justification: PB 2016 Army **Date:** February 2015

Appropriation / Budget Activity / Budget Sub Activity: 2035A: Other Procurement, Army / BA 02: Communications and Electronics Equipment / BSA 80: Elect Equip - Tact Int Rel Act (TIARA)	P-1 Line Item Number / Title: BZ8401 / Joint Tactical Ground Station (JTAGS)
---	--

ID Code (A=Service Ready, B=Not Service Ready) :	Program Elements for Code B Items:	Other Related Program Elements: 0208053A
---	---	---

Resource Summary	Prior Years	FY 2014	FY 2015	FY 2016 Base	FY 2016 OCO	FY 2016 Total	FY 2017	FY 2018	FY 2019	FY 2020	To Complete	Total
Procurement Quantity <i>(Units in Each)</i>	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Cost <i>(\$ in Millions)</i>	24.297	9.899	5.286	3.906	-	3.906	4.452	-	5.431	-	-	53.271
Less PY Advance Procurement <i>(\$ in Millions)</i>	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P1) <i>(\$ in Millions)</i>	24.297	9.899	5.286	3.906	-	3.906	4.452	-	5.431	-	-	53.271
Plus CY Advance Procurement <i>(\$ in Millions)</i>	-	-	-	-	-	-	-	-	-	-	-	-
Total Obligation Authority <i>(\$ in Millions)</i>	24.297	9.899	5.286	3.906	-	3.906	4.452	-	5.431	-	-	53.271

(The following Resource Summary rows are for informational purposes only. The corresponding budget requests are documented elsewhere.)

Initial Spares <i>(\$ in Millions)</i>	-	-	-	-	-	-	-	-	-	-	-	-
Flyaway Unit Cost <i>(\$ in Thousands)</i>	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Unit Cost <i>(\$ in Thousands)</i>	-	-	-	3,906.000	-	3,906.000	-	-	-	-	-	1.951

Description:

The Joint Tactical Ground Station (JTAGS) system provides the Army's only in-theater capability for directly downloading raw data from the Defense Support Program satellites, processing this data into ballistic missile early warnings, alerting, cueing, and disseminating that information reliably to theater combatant commanders. JTAGS, fielded since 1997, currently has five ground stations, and is deployed in three theaters (PACOM, EUCOM, and CENTCOM). Obsolescence issues coupled with the desire to take advantage of the Air Force's investment in newer satellites (Space Based Infrared System, SBIR) and their improved warning accuracy and timeliness, led to the Army's approval/initiation of the JTAGS Pre-Planned Product Improvement (P3I) program. JTAGS Approved Acquisition Objective (AAO) is five systems.

Secondary Distribution	FY 2014	FY 2015	FY 2016 Base	FY 2016 OCO	FY 2016 Total	FY 2017	FY 2018	FY 2019	FY 2020
Army									
Quantity	-	-	-	-	-	-	-	-	-
Total Obligation Authority	9.899	5.286	3.906	-	3.906	4.452	-	5.431	-
Total:									
Secondary Distribution									
Quantity	-	-	-	-	-	-	-	-	-
Total Obligation Authority	9.899	5.286	3.906	-	3.906	4.452	-	5.431	-

UNCLASSIFIED

Exhibit P-40, Budget Line Item Justification: PB 2016 Army **Date:** February 2015

Appropriation / Budget Activity / Budget Sub Activity: 2035A: Other Procurement, Army / BA 02: Communications and Electronics Equipment / BSA 80: Elect Equip - Tact Int Rel Act (TIARA)	P-1 Line Item Number / Title: BZ8401 / Joint Tactical Ground Station (JTAGS)
---	--

ID Code (A=Service Ready, B=Not Service Ready) :			Program Elements for Code B Items:			Other Related Program Elements: 0208053A		
Exhibits Schedule			Prior Years	FY 2014	FY 2015	FY 2016 Base	FY 2016 OCO	FY 2016 Total
Title*	Exhibits	ID CD	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)
BZ8420 / NA (NA)	P-3a		5 / 24.297	2 / 9.899	2 / 5.286	1 / 3.906	- / -	1 / 3.906
Total Gross/Weapon System Cost			- / 24.297	- / 9.899	- / 5.286	- / 3.906	- / -	- / 3.906
Exhibits Schedule			FY 2017	FY 2018	FY 2019	FY 2020	To Complete	Total
Title*	Exhibits	ID CD	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)
BZ8420 / NA (NA)	P-3a		4 / 4.452	- / -	5 / 5.431	- / -	- / -	19 / 53.271
Total Gross/Weapon System Cost			- / 4.452	- / -	- / 5.431	- / -	- / -	- / 53.271

*Title represents 1) the Number / Title for Items; 2) the Number / Title [DODIC] for Ammunition; and/or 3) the Number / Title (Modification Type) for Modifications.

Note: Totals in this Exhibit P-40 set may not be exact or add due to rounding.

Justification:
 FY16 base procurement dollars in the amount of \$3.906 million procures re-configured and upgraded hardware/software ground stations developed via the JTAGS P3I Block 2 Phase 1 development/modification program.

"In accordance with Section 1815 of the FY 2008 National Defense Authorization Act (P.L. 110-181), this item is necessary for use by the active and reserve components of the Armed Forces for homeland defense missions, domestic emergency responses, and providing military support to civil authorities."

UNCLASSIFIED

Exhibit P-3a, Individual Modification: PB 2016 Army								Date: February 2015				
Appropriation / Budget Activity / Budget Sub Activity: 2035A / 02 / 80				P-1 Line Item Number / Title: BZ8401 / Joint Tactical Ground Station (JTAGS)				Modification Number / Title: BZ8420 / NA				

Resource Summary	Prior Years	FY 2014	FY 2015	FY 2016 Base	FY 2016 OCO	FY 2016 Total	FY 2017	FY 2018	FY 2019	FY 2020	To Complete	Total
Procurement Quantity (<i>Units in Each</i>)	5	2	2	1	-	1	4	-	5	-	-	19
Gross/Weapon System Cost (<i>\$ in Millions</i>)	24.297	9.899	5.286	3.906	-	3.906	4.452	-	5.431	-	-	53.271
Less PY Advance Procurement (<i>\$ in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P1) (<i>\$ in Millions</i>)	24.297	9.899	5.286	3.906	-	3.906	4.452	-	5.431	-	-	53.271
Plus CY Advance Procurement (<i>\$ in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Total Obligation Authority (<i>\$ in Millions</i>)	24.297	9.899	5.286	3.906	-	3.906	4.452	-	5.431	-	-	53.271

(The following Resource Summary rows are for informational purposes only. The corresponding budget requests are documented elsewhere.)

Initial Spares (<i>\$ in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Unit Cost (<i>\$ in Thousands</i>)	4,859.400	4,949.500	2,643.000	3,906.000	-	3,906.000	1,113.000	-	1,086.200	-	-	2,803.737

Description:

FY2016 base funding \$3.906 million procures re-configured and upgraded hardware/software ground stations developed via the JTAGS P3I Block 2 Phase 1 development program. The JTAGS P3I Block 2 Phase 1 systems will take advantage of the Air Force's investment in new Space Based Infrared System (SBIR) Geosynchronous satellites. Phase 1 includes new SBIR scanner capabilities, updated hardware, software/communication systems, and de-sheltering the system.

Secondary Distribution		FY 2014	FY 2015	FY 2016 Base	FY 2016 OCO	FY 2016 Total	FY 2017	FY 2018	FY 2019	FY 2020
Army	Quantity	2	2	1	-	1	4	-	5	-
	Total Obligation Authority	9.899	5.286	3.906	-	3.906	4.452	-	5.431	-
Total:	Quantity	2	2	1	-	1	4	-	5	-
Secondary Distribution	Total Obligation Authority	9.899	5.286	3.906	-	3.906	4.452	-	5.431	-

UNCLASSIFIED

Exhibit P-3a, Individual Modification: PB 2016 Army										Date: February 2015			
Appropriation / Budget Activity / Budget Sub Activity: 2035A / 02 / 80					P-1 Line Item Number / Title: BZ8401 / Joint Tactical Ground Station (JTAGS)					Modification Number / Title: BZ8420 / NA			
Models of Systems Affected: NA				Modification Type: NA				Related RDT&E PEs:					
Financial Plan	Prior Years	FY 2014	FY 2015	FY 2016 Base	FY 2016 OCO	FY 2016 Total	FY 2017	FY 2018	FY 2019	FY 2020	To Complete	Total	
	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	
Procurement													
<i>Modification Item 1 of 1:</i> P3I Block 2													
A Kits													
Recurring													
Prior - Upgrade Kits	5 / 24.297	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	5 / 24.297	
FY 2014 - Upgrade Kits	- / -	2 / 9.899	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	2 / 9.899	
FY 2015 - Upgrade Kits	- / -	- / -	2 / 5.286	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	2 / 5.286	
FY 2016 - Upgrade Kits	- / -	- / -	- / -	1 / 2.721	- / -	1 / 2.721	- / -	- / -	- / -	- / -	- / -	1 / 2.721	
FY 2017 - Upgrade Kits	- / -	- / -	- / -	- / -	- / -	- / -	4 / 3.744	- / -	- / -	- / -	- / -	4 / 3.744	
FY 2019 - Upgrade Kits	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	5 / 4.723	- / -	- / -	5 / 4.723	
FY 2016 Field and Install	- / -	- / -	- / -	- / 1.185	- / -	- / 1.185	- / -	- / -	- / -	- / -	- / -	- / 1.185	
FY 2017 Field and Install	- / -	- / -	- / -	- / -	- / -	- / -	- / 0.708	- / -	- / -	- / -	- / -	- / 0.708	
FY 2019 Field and Install	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 0.708	- / -	- / -	- / 0.708	
<i>Subtotal: Recurring</i>	- / 24.297	- / 9.899	- / 5.286	- / 3.906	- / -	- / 3.906	- / 4.452	- / -	- / 5.431	- / -	- / -	- / 53.271	
<i>Subtotal: P3I Block 2</i>	5 / 24.297	2 / 9.899	2 / 5.286	1 / 3.906	- / -	1 / 3.906	4 / 4.452	- / -	5 / 5.431	- / -	- / -	19 / 53.271	
<i>Subtotal: Procurement, All Modification Items</i>	5 / 24.297	2 / 9.899	2 / 5.286	1 / 3.906	- / -	1 / 3.906	4 / 4.452	- / -	5 / 5.431	- / -	- / -	19 / 53.271	
Installation													
<i>Modification Item 1 of 1:</i> P3I Block 2	0 / 0.000	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	
<i>Subtotal: Installation</i>	0 / 0.000	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	
Total													
Total Cost (Procurement + Support + Installation)	24.297	9.899	5.286	3.906	-	3.906	4.452	-	5.431	-	-	53.271	

UNCLASSIFIED

Exhibit P-3a, Individual Modification: PB 2016 Army		Date: February 2015
Appropriation / Budget Activity / Budget Sub Activity: 2035A / 02 / 80	P-1 Line Item Number / Title: BZ8401 / Joint Tactical Ground Station (JTAGS)	Modification Number / Title: BZ8420 / NA

Modification Item 1 of 1: P31 Block 2

Manufacturer Information

Manufacturer Name: Northrop Grumman	Manufacturer Location: Colorado Springs, CO
Administrative Leadtime (in Months): 12	Production Leadtime (in Months): 6

Dates	FY 2014	FY 2015	FY 2016	FY 2017	FY 2018	FY 2019	FY 2020
Contract Dates	Jan 2015	Jul 2015	Dec 2015	Dec 2016		Dec 2018	
Delivery Dates	Jun 2016	Dec 2016	Jun 2017	Jun 2018		Jun 2020	

Installation Information

Method of Implementation: Contractor

Installation Cost	Prior Years	FY 2014	FY 2015	FY 2016 Base	FY 2016 OCO	FY 2016 Total	FY 2017	FY 2018	FY 2019	FY 2020	To Complete	Total
	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)
Prior Years	0 / 0.000	- / 0.000	- / 0.000	- / 0.000	- / -	- / 0.000	- / 0.000	- / -	- / 0.000	- / -	- / 0.000	- / 0.000
FY 2014	0 / 0.000	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2015	0 / 0.000	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2016	0 / 0.000	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2017	0 / 0.000	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2018	0 / 0.000	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2019	0 / 0.000	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2020	0 / 0.000	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
To Complete	0 / 0.000	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
Total	0 / 0.000	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -

Installation Schedule

	PYS	FY 2014				FY 2015				FY 2016				FY 2017				FY 2018				FY 2019				FY 2020				TC	Tot										
		Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4												
In	15	-	-	-	-	-	2	-	2	1	-	-	-	4	-	-	-	-	-	-	-	5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	29
Out	15	-	-	-	-	-	-	-	-	-	-	1	1	1	1	1	-	-	-	-	2	2	-	-	-	-	-	-	-	-	-	-	3	2	-	-	-	-	-	29	

UNCLASSIFIED

Exhibit P-40, Budget Line Item Justification: PB 2016 Army **Date:** February 2015

Appropriation / Budget Activity / Budget Sub Activity: 2035A: Other Procurement, Army / BA 02: Communications and Electronics Equipment / BSA 80: Elect Equip - Tact Int Rel Act (TIARA)	P-1 Line Item Number / Title: BA0326 / TROJAN (MIP)
---	---

ID Code (A=Service Ready, B=Not Service Ready) :	Program Elements for Code B Items:	Other Related Program Elements: 0303032A
---	---	---

Resource Summary	Prior Years	FY 2014	FY 2015	FY 2016 Base	FY 2016 OCO	FY 2016 Total	FY 2017	FY 2018	FY 2019	FY 2020	To Complete	Total
Procurement Quantity <i>(Units in Each)</i>	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Cost <i>(\$ in Millions)</i>	425.233	18.171	15.214	13.929	6.542	20.471	15.897	13.253	13.951	14.407	Continuing	Continuing
Less PY Advance Procurement <i>(\$ in Millions)</i>	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P1) <i>(\$ in Millions)</i>	425.233	18.171	15.214	13.929	6.542	20.471	15.897	13.253	13.951	14.407	Continuing	Continuing
Plus CY Advance Procurement <i>(\$ in Millions)</i>	-	-	-	-	-	-	-	-	-	-	-	-
Total Obligation Authority <i>(\$ in Millions)</i>	425.233	18.171	15.214	13.929	6.542	20.471	15.897	13.253	13.951	14.407	Continuing	Continuing

(The following Resource Summary rows are for informational purposes only. The corresponding budget requests are documented elsewhere.)

Initial Spares <i>(\$ in Millions)</i>	-	-	-	-	-	-	-	-	-	-	-	-
Flyaway Unit Cost <i>(\$ in Thousands)</i>	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Unit Cost <i>(\$ in Thousands)</i>	-	-	-	-	-	-	-	-	-	-	-	-

Description:

TROJAN, as an Army Intelligence system, has been providing direct support and an operational readiness capability to soldiers since 1983. TROJAN exists to provide value added to the tactical commander with remote access to signal environments, in order to maintain a high state of operational readiness and enhance the training and sustainment of highly perishable intelligence skills. Additionally, the TROJAN architecture provides the infrastructure enabling split-based and force protection operations in direct support of the warfighter.

TROJAN NexGEN, formerly 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 protection operations. TROJAN NexGEN's principle use is to provide remote access to target environments, enabling split-based operations from a sanctuary by being the gateway interface to environments of immediate relevance to every supported commander's priority intelligence requirements. In addition, NexGEN will continue its role as an operational readiness system, while also supporting commanders' intelligence requirements across the spectrum of conflict.

TROJAN NexGEN 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). NexGEN 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.

TROJAN NexGEN 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), NexGEN 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.

TROJAN SPIRIT provides Army units with dedicated, secure, high capacity, Sensitive Compartmented Information high intelligence data processing and communications. It provides a rapidly deployable, multi-level security, processor-to-processor, high capacity communications capability, and supports tactical to strategic reach-back, essential to split-based operations.

All funding goes to the Active Component.

UNCLASSIFIED

Exhibit P-40, Budget Line Item Justification: PB 2016 Army							Date: February 2015			
Appropriation / Budget Activity / Budget Sub Activity: 2035A: Other Procurement, Army / BA 02: Communications and Electronics Equipment / BSA 80: Elect Equip - Tact Int Rel Act (TIARA)					P-1 Line Item Number / Title: BA0326 / TROJAN (MIP)					
ID Code (A=Service Ready, B=Not Service Ready) :			Program Elements for Code B Items:				Other Related Program Elements: 0303032A			

Secondary Distribution		FY 2014	FY 2015	FY 2016 Base	FY 2016 OCO	FY 2016 Total	FY 2017	FY 2018	FY 2019	FY 2020
Army	Quantity	-	-	-	-	-	-	-	-	-
	Total Obligation Authority	18.171	15.214	13.929	6.542	20.471	15.897	13.253	13.951	14.407
Total: Secondary Distribution	Quantity	-	-	-	-	-	-	-	-	-
	Total Obligation Authority	18.171	15.214	13.929	6.542	20.471	15.897	13.253	13.951	14.407

UNCLASSIFIED

Exhibit P-40, Budget Line Item Justification: PB 2016 Army **Date:** February 2015

Appropriation / Budget Activity / Budget Sub Activity: 2035A: Other Procurement, Army / BA 02: Communications and Electronics Equipment / BSA 80: Elect Equip - Tact Int Rel Act (TIARA)	P-1 Line Item Number / Title: BA0326 / TROJAN (MIP)
---	---

ID Code (A=Service Ready, B=Not Service Ready) :	Program Elements for Code B Items:	Other Related Program Elements: 0303032A
---	---	---

Exhibits Schedule			Prior Years	FY 2014	FY 2015	FY 2016 Base	FY 2016 OCO	FY 2016 Total
Title*	Exhibits	ID CD	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)
BA0331 / TROJAN CLASSIC (MIP)	P-5, P-5a		- / 220.099	- / 7.693	- / 5.639	- / 5.864	- / -	- / 5.864
BA0333 / TROJAN SPIRIT - TERMINALS (MIP)	P-5		- / 205.134	- / 10.478	- / 9.575	- / 8.065	- / 6.542	- / 14.607
Total Gross/Weapon System Cost			- / 425.233	- / 18.171	- / 15.214	- / 13.929	- / 6.542	- / 20.471

*Title represents 1) the Number / Title for Items; 2) the Number / Title [DODIC] for Ammunition; and/or 3) the Number / Title (Modification Type) for Modifications.
 Note: Totals in this Exhibit P-40 set may not be exact or add due to rounding.

Justification:
 FY2016 Base funding in the amount \$13.929 million funds collection and processing system upgrades required to maintain the TROJAN NexGEN system strategic architecture commonality. These enhancements were commonly known as TROJAN Classic XXI and are now referred to as TROJAN Ground SIGINT NexGEN. Funding is used for the procurement of material (hardware/software) in support of planned TROJAN NexGEN upgrades and fielding activities to include fixed and mobile collection platforms, multi-band signal search and acquisition survey systems, fielding, modernization of existing sites, and upgrades to Network Control Centers to support NSA-approved architecture for network infrastructures.

Funds also procure pre-planned product improvements to all of the fielded and to be fielded TROJAN SPIRIT LITE (V)1/(V)2/(V)3 systems to include bulk transport (bulk encrypted) network upgrades, increased bandwidth upgrades to Mbps throughput, X and Ka Band upgrades, replacement of end-of-life or out dated hardware, and TROJAN Network Control Center (TNCC)/TROJAN Network Operations Center (TNOOC) upgrades.

FY2016 OCO funding in the amount of \$6.542 million funds the upgrades and support of TROJAN SPIRIT systems required for current and emerging operational missions.

UNCLASSIFIED

Exhibit P-5, Cost Analysis: PB 2016 Army		Date: February 2015
Appropriation / Budget Activity / Budget Sub Activity: 2035A / 02 / 80	P-1 Line Item Number / Title: BA0326 / TROJAN (MIP)	Item Number / Title [DODIC]: BA0331 / TROJAN CLASSIC (MIP)

ID Code (A=Service Ready, B=Not Service Ready) :	MDAP/MAIS Code:
---	------------------------

Resource Summary	Prior Years	FY 2014	FY 2015	FY 2016 Base	FY 2016 OCO	FY 2016 Total
Procurement Quantity (<i>Units in Each</i>)	-	-	-	-	-	-
Gross/Weapon System Cost (<i>\$ in Millions</i>)	220.099	7.693	5.639	5.864	-	5.864
Less PY Advance Procurement (<i>\$ in Millions</i>)	-	-	-	-	-	-
Net Procurement (P1) (<i>\$ in Millions</i>)	220.099	7.693	5.639	5.864	-	5.864
Plus CY Advance Procurement (<i>\$ in Millions</i>)	-	-	-	-	-	-
Total Obligation Authority (<i>\$ in Millions</i>)	220.099	7.693	5.639	5.864	-	5.864

(The following Resource Summary rows are for informational purposes only. The corresponding budget requests are documented elsewhere.)

Initial Spares (<i>\$ in Millions</i>)	-	-	-	-	-	-
Gross/Weapon System Unit Cost (<i>\$ in Thousands</i>)	-	-	-	-	-	-

Note: Subtotals or Totals in this Exhibit P-5 may not be exact or add, due to rounding.

Cost Elements	Prior Years			FY 2014			FY 2015			FY 2016 Base			FY 2016 OCO			FY 2016 Total		
	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)
Flyaway Cost																		
Recurring Cost																		
Hardware ^(t)	3,728.682	44	164.062	1,017.000	7	7.119	1,026.000	5	5.130	1,080.200	5	5.401	-	-	-	1,080.200	5	5.401
Integration/Fielding	56,037.000	1	56.037	574.000	1	0.574	509.000	1	0.509	463.000	1	0.463	-	-	-	463.000	1	0.463
<i>Subtotal: Recurring Cost</i>	-	-	220.099	-	-	7.693	-	-	5.639	-	-	5.864	-	-	-	-	-	5.864
<i>Subtotal: Flyaway Cost</i>	-	-	220.099	-	-	7.693	-	-	5.639	-	-	5.864	-	-	-	-	-	5.864
Gross/Weapon System Cost	-	-	220.099	-	-	7.693	-	-	5.639	-	-	5.864	-	-	-	-	-	5.864

Secondary Distribution	FY 2014	FY 2015	FY 2016 Base	FY 2016 OCO	FY 2016 Total
Army					
Quantity	-	-	-	-	-
Total Obligation Authority	7.693	5.639	5.864	-	5.864
Total: Secondary Distribution					
Quantity	-	-	-	-	-
Total Obligation Authority	7.693	5.639	5.864	-	5.864

(t) indicates the presence of a P-5a

UNCLASSIFIED

Exhibit P-5a, Procurement History and Planning: PB 2016 Army **Date:** February 2015

Appropriation / Budget Activity / Budget Sub Activity: 2035A / 02 / 80	P-1 Line Item Number / Title: BA0326 / TROJAN (MIP)	Item Number / Title [DODIC]: BA0331 / TROJAN CLASSIC (MIP)
--	---	--

Cost Elements	O C O	FY	Contractor and Location	Method/Type or Funding Vehicle	Location of PCO	Award Date	Date of First Delivery	Qty <i>(Each)</i>	Unit Cost <i>(\$ K)</i>	Specs Avail Now?	Date Revision Available	RFP Issue Date
Hardware		2014	CACI / APG	C / CPFF	CECOM	Jun 2014	Jul 2014	7	1,017.000			
Hardware		2015	CACI / APG	C / CPFF	CECOM	Jun 2015	Jul 2015	5	1,026.000			
Hardware		2016	CACI / APG	C / CPFF	CECOM	Jun 2016	Jul 2016	5	1,080.200			

Remarks:

CACI is the prime contractor for TROJAN NexGEN and TROJAN SPIRIT. The period of performance for base and option years is 21 June to 20 June. Option Year 2 ends on 20 June 2015. A follow-on contract will be awarded (base year and 2 option years) no later than 21 June 2015.
All items procured are COTS/GOTS.

UNCLASSIFIED

Exhibit P-5, Cost Analysis: PB 2016 Army		Date: February 2015
Appropriation / Budget Activity / Budget Sub Activity: 2035A / 02 / 80	P-1 Line Item Number / Title: BA0326 / TROJAN (MIP)	Item Number / Title [DODIC]: BA0333 / TROJAN SPIRIT - TERMINALS (MIP)

ID Code (A=Service Ready, B=Not Service Ready) :				MDAP/MAIS Code:					
Resource Summary				Prior Years	FY 2014	FY 2015	FY 2016 Base	FY 2016 OCO	FY 2016 Total
Procurement Quantity (Units in Each)				-	-	-	-	-	-
Gross/Weapon System Cost (\$ in Millions)				205.134	10.478	9.575	8.065	6.542	14.607
Less PY Advance Procurement (\$ in Millions)				-	-	-	-	-	-
Net Procurement (P1) (\$ in Millions)				205.134	10.478	9.575	8.065	6.542	14.607
Plus CY Advance Procurement (\$ in Millions)				-	-	-	-	-	-
Total Obligation Authority (\$ in Millions)				205.134	10.478	9.575	8.065	6.542	14.607
<i>(The following Resource Summary rows are for informational purposes only. The corresponding budget requests are documented elsewhere.)</i>									
Initial Spares (\$ in Millions)				-	-	-	-	-	-
Gross/Weapon System Unit Cost (\$ in Thousands)				-	-	-	266.822	-	266.822

Note: Subtotals or Totals in this Exhibit P-5 may not be exact or add, due to rounding.

Cost Elements	Prior Years			FY 2014			FY 2015			FY 2016 Base			FY 2016 OCO			FY 2016 Total		
	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)
Flyaway Cost																		
Recurring Cost																		
Hardware	659.204	162	106.791	109.000	91	9.919	169.980	51	8.669	122.902	61	7.497	124.000	45	5.580	123.368	106	13.077
Integration/Fielding	98,343.000	1	98.343	559.000	1	0.559	906.000	1	0.906	568.000	1	0.568	962.000	1	0.962	765.000	2	1.530
<i>Subtotal: Recurring Cost</i>	-	-	205.134	-	-	10.478	-	-	9.575	-	-	8.065	-	-	6.542	-	-	14.607
<i>Subtotal: Flyaway Cost</i>	-	-	205.134	-	-	10.478	-	-	9.575	-	-	8.065	-	-	6.542	-	-	14.607
Gross/Weapon System Cost	-	-	205.134	-	-	10.478	-	-	9.575	266.822	-	8.065	-	-	6.542	266.822	-	14.607

Secondary Distribution		FY 2014	FY 2015	FY 2016 Base	FY 2016 OCO	FY 2016 Total
Army	Quantity	-	-	-	-	-
	Total Obligation Authority	10.478	9.575	8.065	6.542	14.607
Total:	Quantity	-	-	-	-	-
Secondary Distribution	Total Obligation Authority	10.478	9.575	8.065	6.542	14.607

UNCLASSIFIED

Exhibit P-40, Budget Line Item Justification: PB 2016 Army **Date:** February 2015

Appropriation / Budget Activity / Budget Sub Activity: 2035A: Other Procurement, Army / BA 02: Communications and Electronics Equipment / BSA 80: Elect Equip - Tact Int Rel Act (TIARA)	P-1 Line Item Number / Title: BZ9750 / Mod of In-Svc Equip (INTEL SPT) (MIP)
---	--

ID Code (A=Service Ready, B=Not Service Ready) :	Program Elements for Code B Items:						Other Related Program Elements:					
Resource Summary	Prior Years	FY 2014	FY 2015	FY 2016 Base	FY 2016 OCO	FY 2016 Total	FY 2017	FY 2018	FY 2019	FY 2020	To Complete	Total
Procurement Quantity (Units in Each)	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Cost (\$ in Millions)	117.443	1.927	3.901	3.978	-	3.978	4.085	4.207	4.481	9.196	Continuing	Continuing
Less PY Advance Procurement (\$ in Millions)	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P1) (\$ in Millions)	117.443	1.927	3.901	3.978	-	3.978	4.085	4.207	4.481	9.196	Continuing	Continuing
Plus CY Advance Procurement (\$ in Millions)	-	-	-	-	-	-	-	-	-	-	-	-
Total Obligation Authority (\$ in Millions)	117.443	1.927	3.901	3.978	-	3.978	4.085	4.207	4.481	9.196	Continuing	Continuing
<i>(The following Resource Summary rows are for informational purposes only. The corresponding budget requests are documented elsewhere.)</i>												
Initial Spares (\$ in Millions)	-	-	-	-	-	-	-	-	-	-	-	-
Flyaway Unit Cost (\$ in Thousands)	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Unit Cost (\$ in Thousands)	-	-	-	397.800	-	397.800	-	-	-	-	Continuing	Continuing

Description:

Special Purpose Systems (BZ9751): Technical Insertions (TI) will be made to the ground-based Signals Intelligence (SIGINT) system with additional capabilities required by theater units to effectively engage enemy forces and prove Force Protection information to friendly forces. Procure government and commercial off-the-shelf (GOTS/COTS) Next Generation SIGINT capabilities that are theater specific and enable the Prophet system to address specific threats and Signals of Interest (SOI). Prophet Enhanced (PE) is the tactical commander's sole organic ground-based SIGINT/Electronic Warfare system for the Brigade Combat Team (BCT), Stryker Brigade Combat Team (SBCT), and Battlefield Surveillance Brigade (BSB). Its primary mission is to provide 24-hour situation development and information superiority to the supported maneuver brigade to enable the most effective engagement of enemy forces. PE provides a modular, scalable, open architecture-based system solution optimized for ease of use in a variety of configurations (Stationary-Fixed, Mobile and Manpack). It also incorporates the ability for rapid integration of TI and pre-planned product improvements to ensure operational relevance.

Secondary Distribution	FY 2014	FY 2015	FY 2016 Base	FY 2016 OCO	FY 2016 Total	FY 2017	FY 2018	FY 2019	FY 2020
Army	Quantity	-	-	-	-	-	-	-	-
	Total Obligation Authority	1.927	3.901	3.978	-	3.978	4.085	4.207	4.481
Total: Secondary Distribution	Quantity	-	-	-	-	-	-	-	-
	Total Obligation Authority	1.927	3.901	3.978	-	3.978	4.085	4.207	4.481

UNCLASSIFIED

Exhibit P-40, Budget Line Item Justification: PB 2016 Army **Date:** February 2015

Appropriation / Budget Activity / Budget Sub Activity: 2035A: Other Procurement, Army / BA 02: Communications and Electronics Equipment / BSA 80: Elect Equip - Tact Int Rel Act (TIARA)	P-1 Line Item Number / Title: BZ9750 / Mod of In-Svc Equip (INTEL SPT) (MIP)
---	--

ID Code (A=Service Ready, B=Not Service Ready) :			Program Elements for Code B Items:			Other Related Program Elements:		
Exhibits Schedule			Prior Years	FY 2014	FY 2015	FY 2016 Base	FY 2016 OCO	FY 2016 Total
Title*	Exhibits	ID CD	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)
BZ9751 / SPECIAL PURPOSE SYSTEMS (MIP)	P-5, P-5a, P-21		- / 117.443	- / 1.927	- / 3.901	- / 3.978	- / -	- / 3.978
Total Gross/Weapon System Cost			- / 117.443	- / 1.927	- / 3.901	- / 3.978	- / -	- / 3.978

*Title represents 1) the Number / Title for Items; 2) the Number / Title [DODIC] for Ammunition; and/or 3) the Number / Title (Modification Type) for Modifications.

Note: Totals in this Exhibit P-40 set may not be exact or add due to rounding.

Justification:
 FY 2016 Base procurement funding in the amount of \$3.978 million is for TI, integration, and product upgrades (hardware and/or software) to increase system performance, to include but not limited to: enhanced Manpack capability (integration/test and accreditation of updates), tuner upgrade, processor upgrade, antenna upgrade, operating system upgrade, and receiver software upgrade for Prophet systems to ensure the product remains relevant.

All funding is for the Active component.

UNCLASSIFIED

Exhibit P-5, Cost Analysis: PB 2016 Army		Date: February 2015
Appropriation / Budget Activity / Budget Sub Activity: 2035A / 02 / 80	P-1 Line Item Number / Title: BZ9750 / Mod of In-Svc Equip (INTEL SPT) (MIP)	Item Number / Title [DODIC]: BZ9751 / SPECIAL PURPOSE SYSTEMS (MIP)

ID Code (A=Service Ready, B=Not Service Ready) :	MDAP/MAIS Code:
---	------------------------

Resource Summary	Prior Years	FY 2014	FY 2015	FY 2016 Base	FY 2016 OCO	FY 2016 Total
Procurement Quantity (Units in Each)	-	-	-	-	-	-
Gross/Weapon System Cost (\$ in Millions)	117.443	1.927	3.901	3.978	-	3.978
Less PY Advance Procurement (\$ in Millions)	-	-	-	-	-	-
Net Procurement (P1) (\$ in Millions)	117.443	1.927	3.901	3.978	-	3.978
Plus CY Advance Procurement (\$ in Millions)	-	-	-	-	-	-
Total Obligation Authority (\$ in Millions)	117.443	1.927	3.901	3.978	-	3.978

(The following Resource Summary rows are for informational purposes only. The corresponding budget requests are documented elsewhere.)

Initial Spares (\$ in Millions)	-	-	-	-	-	-
Gross/Weapon System Unit Cost (\$ in Thousands)	-	-	-	397.800	-	397.800

Note: Subtotals or Totals in this Exhibit P-5 may not be exact or add, due to rounding.

Cost Elements	Prior Years			FY 2014			FY 2015			FY 2016 Base			FY 2016 OCO			FY 2016 Total		
	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)
Flyaway Cost																		
Recurring Cost																		
Next Generation Stationary Receiver ^(t)	-	-	-	-	-	-	780.500	2	1.561	-	-	-	-	-	-	-	-	-
Advanced Processor ^(t)	117,443.000	1	117.443	321.200	6	1.927	390.000	6	2.340	-	-	-	-	-	-	-	-	-
Next Generation SIGINT Hardware ^(t)	-	-	-	-	-	-	-	-	-	397.800	10	3.978	-	-	-	397.800	10	3.978
<i>Subtotal: Recurring Cost</i>	-	-	117.443	-	-	1.927	-	-	3.901	-	-	3.978	-	-	-	-	-	3.978
<i>Subtotal: Flyaway Cost</i>	-	-	117.443	-	-	1.927	-	-	3.901	-	-	3.978	-	-	-	-	-	3.978
Gross/Weapon System Cost	-	-	117.443	-	-	1.927	-	-	3.901	397.800	-	3.978	-	-	-	397.800	-	3.978

Secondary Distribution	FY 2014	FY 2015	FY 2016 Base	FY 2016 OCO	FY 2016 Total
Army					
Quantity	-	-	-	-	-
Total Obligation Authority	1.927	3.901	3.978	-	3.978
Total: Secondary Distribution					
Quantity	-	-	-	-	-
Total Obligation Authority	1.927	3.901	3.978	-	3.978

^(t) indicates the presence of a P-5a

UNCLASSIFIED

Exhibit P-5a, Procurement History and Planning: PB 2016 Army							Date: February 2015					
Appropriation / Budget Activity / Budget Sub Activity: 2035A / 02 / 80			P-1 Line Item Number / Title: BZ9750 / Mod of In-Svc Equip (INTEL SPT) (MIP)				Item Number / Title [DODIC]: BZ9751 / SPECIAL PURPOSE SYSTEMS (MIP)					
Cost Elements	O C O	FY	Contractor and Location	Method/Type or Funding Vehicle	Location of PCO	Award Date	Date of First Delivery	Qty (Each)	Unit Cost (\$ K)	Specs Avail Now?	Date Revision Available	RFP Issue Date
Next Generation Stationary Receiver ^(†)		2015	General Dynamics C4 Division / Scottsdale, AZ	C / FFP	APG, MD	Feb 2015	Oct 2015	2	780.500			
Advanced Processor ^(†)		2014	General Dynamics C4 Division / Scottsdale, AZ	C / FFP	APG, MD	Mar 2014	Oct 2014	6	321.200			
Advanced Processor ^(†)		2015	General Dynamics C4 Division / Scottsdale, AZ	C / FFP	APG, MD	Feb 2015	Oct 2015	6	390.000			
Next Generation SIGINT Hardware ^(†)		2016	General Dynamics C4 Division / Scottsdale, AZ	C / FFP	APG, MD	Mar 2016	Oct 2016	10	397.800			

^(†) indicates the presence of a P-21

Remarks:

Next Generation SIGINT H/W includes, but is not limited to, antennas, tuner cards, receiver cards, memory cards and power amps.

UNCLASSIFIED

Exhibit P-21, Production Schedule: PB 2016 Army																							Date: February 2015																	
Appropriation / Budget Activity / Budget Sub Activity: 2035A / 02 / 80										P-1 Line Item Number / Title: BZ9750 / Mod of In-Svc Equip (INTEL SPT) (MIP)										Item Number / Title [DODIC]: BZ9751 / SPECIAL PURPOSE SYSTEMS (MIP)																				
Cost Elements <i>(Units in Each)</i>						Fiscal Year 2014														Fiscal Year 2015																				
O C C O	M F R #	FY	SERVICE	PROC QTY	ACCEPT PRIOR TO 1 OCT 2013	BAL DUE AS OF 1 OCT	Calendar Year 2014														Calendar Year 2015																			
							O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	B A L									
Next Generation Stationary Receiver																																								
	1	2015	ARMY	2	-	2																						A -	-	-	-	-	-	-	-	-	-	2		
Advanced Processor																																								
Prior Years Deliveries: 1																																								
	2	2014	ARMY	6	-	6																						A -	-	-	-	-	-	-	-	-	-	-	6	-
	2	2015	ARMY	6	-	6																						A -	-	-	-	-	-	-	-	-	-	-	6	6
Next Generation SIGINT Hardware																																								
	3	2016	ARMY	10	-	10																																		10
							O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	B A L									

UNCLASSIFIED

Exhibit P-21, Production Schedule: PB 2016 Army																								Date: February 2015										
Appropriation / Budget Activity / Budget Sub Activity: 2035A / 02 / 80										P-1 Line Item Number / Title: BZ9750 / Mod of In-Svc Equip (INTEL SPT) (MIP)											Item Number / Title [DODIC]: BZ9751 / SPECIAL PURPOSE SYSTEMS (MIP)													
Cost Elements <i>(Units in Each)</i>						Fiscal Year 2016													Fiscal Year 2017															
O C C O	M F R #	FY	SERVICE	PROC QTY	ACCEPT PRIOR TO 1 OCT 2015	BAL DUE AS OF 1 OCT	Calendar Year 2016													Calendar Year 2017														
							O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	B A L			
Next Generation Stationary Receiver																																		
	1	2015	ARMY	2	-	2	2																							-				
Advanced Processor																																		
Prior Years Deliveries: 1																																		
	2	2014	ARMY	6	6	-																								-				
	2	2015	ARMY	6	-	6	6																							-				
Next Generation SIGINT Hardware																																		
	3	2016	ARMY	10	-	10																								-				
								O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	B A L		

UNCLASSIFIED

Exhibit P-21, Production Schedule: PB 2016 Army		Date: February 2015
Appropriation / Budget Activity / Budget Sub Activity: 2035A / 02 / 80		P-1 Line Item Number / Title: BZ9750 / Mod of In-Svc Equip (INTEL SPT) (MIP)
		Item Number / Title [DODIC]: BZ9751 / SPECIAL PURPOSE SYSTEMS (MIP)

MFR Ref #	MFR Name - Location	Production Rates (Each / Year)			Procurement Leadtime (Months)							
		MSR For 2016	1-8-5 For 2016	MAX For 2016	Initial				Reorder			
					ALT Prior to Oct 1	ALT After Oct 1	Mfg PLT	Total After Oct 1	ALT Prior to Oct 1	ALT After Oct 1	Mfg PLT	Total After Oct 1
1	General Dynamics C4 Division - Scottsdale, AZ	2	30	60	-	-	-	-	-	-	-	-
2	General Dynamics C4 Division - Scottsdale, AZ	2	30	60	-	-	-	-	-	-	-	-
3	General Dynamics C4 Division - Scottsdale, AZ	2	30	60	-	-	-	-	-	-	-	-

"A" in the Delivery Schedule indicates the Contract Award Date.

Note: Due to space limitations, quantities in the Exhibit P-21 delivery calendar are truncated and rounded based on the maximum quantity in the calendar as follows. If the maximum quantity is less than or equal to than 9,999, all quantities are shown as each. If the maximum quantity is between 10,000 and 999,999 all quantities are shown in thousands. If the maximum quantity is between 1,000,000 and 999,999,999 all quantities are shown in millions (rounded to the nearest thousand). If the maximum quantity is equal or greater than 1,000,000,000 all quantities are shown in billions (rounded to the nearest million).

UNCLASSIFIED

Exhibit P-40, Budget Line Item Justification: PB 2016 Army **Date:** February 2015

Appropriation / Budget Activity / Budget Sub Activity: 2035A: Other Procurement, Army / BA 02: Communications and Electronics Equipment / BSA 80: Elect Equip - Tact Int Rel Act (TIARA)	P-1 Line Item Number / Title: BK5275 / CI HUMINT Auto Reprting and Coll(CHARCS)
---	---

ID Code (A=Service Ready, B=Not Service Ready) :			Program Elements for Code B Items:					Other Related Program Elements:				
Resource Summary	Prior Years	FY 2014	FY 2015	FY 2016 Base	FY 2016 OCO	FY 2016 Total	FY 2017	FY 2018	FY 2019	FY 2020	To Complete	Total
Procurement Quantity (Units in Each)	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Cost (\$ in Millions)	279.126	12.149	14.302	7.542	3.860	11.402	7.715	7.845	8.087	8.251	Continuing	Continuing
Less PY Advance Procurement (\$ in Millions)	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P1) (\$ in Millions)	279.126	12.149	14.302	7.542	3.860	11.402	7.715	7.845	8.087	8.251	Continuing	Continuing
Plus CY Advance Procurement (\$ in Millions)	-	-	-	-	-	-	-	-	-	-	-	-
Total Obligation Authority (\$ in Millions)	279.126	12.149	14.302	7.542	3.860	11.402	7.715	7.845	8.087	8.251	Continuing	Continuing
<i>(The following Resource Summary rows are for informational purposes only. The corresponding budget requests are documented elsewhere.)</i>												
Initial Spares (\$ in Millions)	-	-	-	-	-	-	-	-	-	-	-	-
Flyaway Unit Cost (\$ in Thousands)	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Unit Cost (\$ in Thousands)	-	-	-	20.693	-	20.693	-	-	-	-	Continuing	Continuing

Description:

The Counterintelligence (CI) and Human Intelligence (HUMINT) Automated Reporting and Collection System (CHARCS) is the Army's CI and HUMINT tactical collection and reporting system. CHARCS provides automation support for information collection, reporting, investigations, source & interrogation operations and document exploitation. The CHARCS automation architecture extends from the individual HUMINT team soldier or CI agent to the Corps. CHARCS reports digital data such as maps, overlays, images, video, biometrics, scanned documents and audio files. These media are transmitted through secure networks and interfaces with the Distributed Common Ground Systems-Army (DCGS-A) for detailed analysis and creation of finished intelligence products. Collection and reporting teams at Military Intelligence (MI) battalions and their operational managers are equipped with one of two CHARCS systems. The first is the AN/PYQ-8 Individual Tactical Reporting Tool (ITRT) which provides collection and processing devices for individual HUMINT team member or CI agents. The second is the AN/PYQ-3 CI/HUMINT Automated Tool Set (CHATS) which provides the team leader (who normally directs 3-5 team members) and Operational Management Team (OMT) tools to process and manage team-collected information and a robust set of devices such as printers, scanners, and cameras to assist the collection mission. The CHATS is also used by Operational Management Team (OMT) (who normally directs 3-5 collection and reporting teams). Each CHATS has an associated Mission Support Peripheral Sets and Kits (MS-PSK) or Collection Peripheral Sets and Kits (C-PSK).

The C-PSK provides specialized collection component capabilities to support CI/HUMINT collection missions. C-PSK capabilities are commercial-off-the-shelf (COTS) technologies and include video and camera equipment, global positioning system (GPS), voice recording device and infrared strobe lights. The MS-PSK provides specialized collection component capabilities to support CI/HUMINT collection missions. MS-PSK capabilities are COTS technologies and include night vision photography & video, captured materiel tracking, digital media forensics software, Document Exploitation (DOEX) software.

Secondary Distribution		FY 2014	FY 2015	FY 2016 Base	FY 2016 OCO	FY 2016 Total	FY 2017	FY 2018	FY 2019	FY 2020
Army	Quantity	-	-	-	-	-	-	-	-	-
	Total Obligation Authority	11.510	13.570	6.855	3.860	10.715	6.419	6.738	6.837	6.964
ANG	Quantity	-	-	-	-	-	-	-	-	-
	Total Obligation Authority	0.639	0.665	0.249	-	0.249	0.707	0.669	0.569	0.391

UNCLASSIFIED

Exhibit P-40, Budget Line Item Justification: PB 2016 Army **Date:** February 2015

Appropriation / Budget Activity / Budget Sub Activity: 2035A: Other Procurement, Army / BA 02: Communications and Electronics Equipment / BSA 80: Elect Equip - Tact Int Rel Act (TIARA)	P-1 Line Item Number / Title: BK5275 / CI HUMINT Auto Reprting and Coll(CHARCS)
---	---

ID Code (A=Service Ready, B=Not Service Ready) :		Program Elements for Code B Items:				Other Related Program Elements:				
Secondary Distribution		FY 2014	FY 2015	FY 2016 Base	FY 2016 OCO	FY 2016 Total	FY 2017	FY 2018	FY 2019	FY 2020
AR	Quantity	-	-	-	-	-	-	-	-	-
	Total Obligation Authority	-	0.067	0.438	-	0.438	0.589	0.438	0.681	0.896
Total: Secondary Distribution	Quantity	-	-	-	-	-	-	-	-	-
	Total Obligation Authority	12.149	14.302	7.542	3.860	11.402	7.715	7.845	8.087	8.251

UNCLASSIFIED

Exhibit P-40, Budget Line Item Justification: PB 2016 Army **Date:** February 2015

Appropriation / Budget Activity / Budget Sub Activity: 2035A: Other Procurement, Army / BA 02: Communications and Electronics Equipment / BSA 80: Elect Equip - Tact Int Rel Act (TIARA)	P-1 Line Item Number / Title: BK5275 / CI HUMINT Auto Reprting and Coll(CHARCS)
---	---

ID Code (A=Service Ready, B=Not Service Ready) :			Program Elements for Code B Items:			Other Related Program Elements:		
Exhibits Schedule			Prior Years	FY 2014	FY 2015	FY 2016 Base	FY 2016 OCO	FY 2016 Total
Title*	Exhibits	ID CD	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)
BK5275 / CI HUMINT Auto Reprting and Coll(CHARCS)	P-5, P-5a		- / 279.126	- / 12.149	- / 14.302	- / 7.542	- / 3.860	- / 11.402
Total Gross/Weapon System Cost			- / 279.126	- / 12.149	- / 14.302	- / 7.542	- / 3.860	- / 11.402

*Title represents 1) the Number / Title for Items; 2) the Number / Title [DODIC] for Ammunition; and/or 3) the Number / Title (Modification Type) for Modifications.

Note: Totals in this Exhibit P-40 set may not be exact or add due to rounding.

Justification:
 FY2016 Base funding in the amount of \$7.542 million procures mission equipment, supports fielding, training, logistic and mission equipment refresh to Dynamic Army Resourcing Priority List (DARPL) units.
 FY2016 OCO funding in the amount of \$3.860 million is for DOD Biometrics program office to separately procure Biometric Automated Toolsets - Army (BAT-A) device quantities to reset and refresh.
 CHARCS AAO: 5198 (CHATS and ITRTs)
 In accordance with Section 1815 of the FY 2008 National Defense Authorization Act (P.L. 110-181), this item is necessary for use by the active and reserve components of the Armed Forces for homeland defense missions, domestic emergency responses, and providing military support to civil authorities.

UNCLASSIFIED

Exhibit P-5, Cost Analysis: PB 2016 Army						Date: February 2015					
Appropriation / Budget Activity / Budget Sub Activity: 2035A / 02 / 80				P-1 Line Item Number / Title: BK5275 / CI HUMINT Auto Reprting and Coll(CHARCS)				Item Number / Title [DODIC]: BK5275 / CI HUMINT Auto Reprting and Coll(CHARCS)			
ID Code (A=Service Ready, B=Not Service Ready) :						MDAP/MAIS Code:					
Resource Summary			Prior Years	FY 2014	FY 2015	FY 2016 Base	FY 2016 OCO	FY 2016 Total			
Procurement Quantity (Units in Each)			-	-	-	-	-	-	-	-	
Gross/Weapon System Cost (\$ in Millions)			279.126	12.149	14.302	7.542	3.860	11.402	-	-	
Less PY Advance Procurement (\$ in Millions)			-	-	-	-	-	-	-	-	
Net Procurement (P1) (\$ in Millions)			279.126	12.149	14.302	7.542	3.860	11.402	-	-	
Plus CY Advance Procurement (\$ in Millions)			-	-	-	-	-	-	-	-	
Total Obligation Authority (\$ in Millions)			279.126	12.149	14.302	7.542	3.860	11.402	-	-	
<i>(The following Resource Summary rows are for informational purposes only. The corresponding budget requests are documented elsewhere.)</i>											
Initial Spares (\$ in Millions)			-	-	-	-	-	-	-	-	
Gross/Weapon System Unit Cost (\$ in Thousands)			-	-	-	20.693	-	20.693	-	-	

Note: Subtotals or Totals in this Exhibit P-5 may not be exact or add, due to rounding.

Cost Elements	Prior Years			FY 2014			FY 2015			FY 2016 Base			FY 2016 OCO			FY 2016 Total		
	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)
Flyaway Cost																		
Recurring Cost																		
--CHATS ^(†)	6,000.000	2	12.000	10.000	127	1.270	-	-	-	-	-	-	-	-	-	-	-	-
--ITRT ^(†)	5.000	2,200	11.000	5.000	169	0.845	-	-	-	-	-	-	-	-	-	-	-	-
--Replacement Parts ^(†)	-	-	-	-	-	-	150.000	1	0.150	-	-	-	-	-	-	-	-	-
--Laptops & HDs for CHATS and ITRTs ^(†)	-	-	-	-	-	-	4.500	358	1.611	4.101	437	1.792	-	-	-	4.101	437	1.792
--PCASS ^(†)	184.400	100	18.440	7.000	25	0.175	-	-	-	-	-	-	-	-	-	-	-	-
--Cellular Exploitation Kits ^(†)	-	-	-	-	-	-	-	-	-	14.324	34	0.487	-	-	-	14.324	34	0.487
Bio Handheld Devices (PM Biometrics) ^(†)	-	-	-	12.058	413	4.980	7.552	915	6.910	-	-	-	7.005	551	3.860	7.005	551	3.860
PMO Government Support	3,868.600	10	38.686	-	-	0.581	-	-	0.611	-	-	0.354	-	-	-	-	-	0.354
System Engineering/ Technical Assistance	-	-	-	-	-	1.298	-	-	1.916	-	-	1.801	-	-	-	-	-	1.801
CHARCS Life Cycle Support (LCMC CECOM)	-	-	-	-	-	-	-	-	0.104	-	-	0.108	-	-	-	-	-	0.108
Fielding/Logistics/ Training/Initial Sust	1,990.000	100	199.000	-	-	3.000	-	-	3.000	-	-	3.000	-	-	-	-	-	3.000
Subtotal: Recurring Cost	-	-	279.126	-	-	12.149	-	-	14.302	-	-	7.542	-	-	3.860	-	-	11.402

UNCLASSIFIED

Exhibit P-5, Cost Analysis: PB 2016 Army		Date: February 2015
Appropriation / Budget Activity / Budget Sub Activity: 2035A / 02 / 80	P-1 Line Item Number / Title: BK5275 / CI HUMINT Auto Reprting and Coll(CHARCS)	Item Number / Title [DODIC]: BK5275 / CI HUMINT Auto Reprting and Coll(CHARCS)

ID Code (A=Service Ready, B=Not Service Ready) :	MDAP/MAIS Code:
---	------------------------

Note: Subtotals or Totals in this Exhibit P-5 may not be exact or add, due to rounding.

Cost Elements	Prior Years			FY 2014			FY 2015			FY 2016 Base			FY 2016 OCO			FY 2016 Total		
	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)
<i>Subtotal: Flyaway Cost</i>	-	-	279.126	-	-	12.149	-	-	14.302	-	-	7.542	-	-	3.860	-	-	11.402
Gross/Weapon System Cost	-	-	279.126	-	-	12.149	-	-	14.302	20.693	-	7.542	-	-	3.860	20.693	-	11.402

Secondary Distribution		FY 2014	FY 2015	FY 2016 Base	FY 2016 OCO	FY 2016 Total
Army	Quantity	-	-	-	-	-
	Total Obligation Authority	11.510	13.570	6.855	3.860	10.715
ANG	Quantity	-	-	-	-	-
	Total Obligation Authority	0.639	0.665	0.249	-	0.249
AR	Quantity	-	-	-	-	-
	Total Obligation Authority	-	0.067	0.438	-	0.438
Total:	Quantity	-	-	-	-	-
Secondary Distribution	Total Obligation Authority	12.149	14.302	7.542	3.860	11.402

(t) indicates the presence of a P-5a

UNCLASSIFIED

Exhibit P-5a, Procurement History and Planning: PB 2016 Army **Date:** February 2015

Appropriation / Budget Activity / Budget Sub Activity: 2035A / 02 / 80	P-1 Line Item Number / Title: BK5275 / CI HUMINT Auto Reprting and Coll(CHARCS)	Item Number / Title [DODIC]: BK5275 / CI HUMINT Auto Reprting and Coll(CHARCS)
--	---	--

Cost Elements	O C O	FY	Contractor and Location	Method/Type or Funding Vehicle	Location of PCO	Award Date	Date of First Delivery	Qty <i>(Each)</i>	Unit Cost <i>(\$ K)</i>	Specs Avail Now?	Date Revision Available	RFP Issue Date
--CHATS		2014	ROMO Contract / Chantilly, VA	C / FFP	Chantilly, VA	Dec 2013	Mar 2014	127	10.000			
--ITRT		2014	ROMO Contract / Chantilly, VA	C / FFP	Chantilly, VA	Dec 2013	Mar 2014	169	5.000			
--Replacement Parts		2015	ROMO Contract / Chantilly, VA	C / CPFF	Chantilly, VA	Dec 2014	Mar 2015	1	150.000			
--Laptops & HDs for CHATS and ITRTs		2015	CHS / APG, MD	C / CPFF	APG, MD	Dec 2014	Mar 2015	358	4.500			
--Laptops & HDs for CHATS and ITRTs		2016	CHS / APG, MD	C / CPFF	APG, MD	Nov 2015	Feb 2016	437	4.101			
--PCASS		2014	ROMO Contract / Chantilly, VA	C / FFP	Chantilly, VA	Dec 2013	Mar 2014	25	7.000			
--Cellular Exploitation Kits		2016	ROMO Contract / Chantilly, VA	C / FFP	Chantilly, VA	Jan 2016	Mar 2016	34	14.324			
Bio Handheld Devices (PM Biometrics)		2014	Leidos / Alexandria, VA	C / FFP	Alexandria, VA	Dec 2013	Mar 2014	413	12.058			
Bio Handheld Devices (PM Biometrics)		2015	Leidos / Alexandria, VA	C / FFP	Alexandria, VA	Dec 2014	Mar 2015	915	7.552			
Bio Handheld Devices (PM Biometrics)	✓	2016	Leidos / Alexandria, VA	C / FFP	Alexandria, VA	Jan 2016	Apr 2016	551	7.005			

Remarks:
Equipment is comprised solely of COTS equipment with COTS/GOTS software.

UNCLASSIFIED

Exhibit P-40, Budget Line Item Justification: PB 2016 Army **Date:** February 2015

Appropriation / Budget Activity / Budget Sub Activity: 2035A: Other Procurement, Army / BA 02: Communications and Electronics Equipment / BSA 80: Elect Equip - Tact Int Rel Act (TIARA)	P-1 Line Item Number / Title: B10001 / Close Access Target Reconnaissance (CATR)
---	--

ID Code (A=Service Ready, B=Not Service Ready) :	Program Elements for Code B Items:						Other Related Program Elements:					
Resource Summary	Prior Years	FY 2014	FY 2015	FY 2016 Base	FY 2016 OCO	FY 2016 Total	FY 2017	FY 2018	FY 2019	FY 2020	To Complete	Total
Procurement Quantity (Units in Each)	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Cost (\$ in Millions)	-	-	-	8.010	-	8.010	8.031	8.083	7.995	8.066	Continuing	Continuing
Less PY Advance Procurement (\$ in Millions)	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P1) (\$ in Millions)	-	-	-	8.010	-	8.010	8.031	8.083	7.995	8.066	Continuing	Continuing
Plus CY Advance Procurement (\$ in Millions)	-	-	-	-	-	-	-	-	-	-	-	-
Total Obligation Authority (\$ in Millions)	-	-	-	8.010	-	8.010	8.031	8.083	7.995	8.066	Continuing	Continuing
<i>(The following Resource Summary rows are for informational purposes only. The corresponding budget requests are documented elsewhere.)</i>												
Initial Spares (\$ in Millions)	-	-	-	-	-	-	-	-	-	-	-	-
Flyaway Unit Cost (\$ in Thousands)	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Unit Cost (\$ in Thousands)	-	-	-	333.750	-	333.750	-	-	-	-	Continuing	Continuing

Description:

Close Access Target Reconnaissance (CATR) is a kit of electronic devices that collect, send back, and acquire data to provide near real time feedback in order to validate, follow, locate, or track a target (i.e., tagging, tracking, and locating (TTL)). CATR will use electronic audio and or video recorders to obtain information which is used to validate movement and identify targets. In addition, CATR allows for threat monitoring that can be integrated into existing operational tools, help to paint a clearer picture of the battlefield, pinpoint possible target locations, and identify and exploit enemy movements and patterns.

This program is a new start in FY 2016.

Secondary Distribution	FY 2014	FY 2015	FY 2016 Base	FY 2016 OCO	FY 2016 Total	FY 2017	FY 2018	FY 2019	FY 2020
Army									
Quantity	-	-	-	-	-	-	-	-	-
Total Obligation Authority	-	-	8.010	-	8.010	8.031	8.083	7.995	8.066
Total:									
Secondary Distribution									
Quantity	-	-	-	-	-	-	-	-	-
Total Obligation Authority	-	-	8.010	-	8.010	8.031	8.083	7.995	8.066

UNCLASSIFIED

Exhibit P-40, Budget Line Item Justification: PB 2016 Army **Date:** February 2015

Appropriation / Budget Activity / Budget Sub Activity: 2035A: Other Procurement, Army / BA 02: Communications and Electronics Equipment / BSA 80: Elect Equip - Tact Int Rel Act (TIARA)	P-1 Line Item Number / Title: B10001 / Close Access Target Reconnaissance (CATR)
---	--

ID Code (A=Service Ready, B=Not Service Ready) :			Program Elements for Code B Items:			Other Related Program Elements:		
Exhibits Schedule			Prior Years	FY 2014	FY 2015	FY 2016 Base	FY 2016 OCO	FY 2016 Total
Title*	Exhibits	ID CD	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)
B10002 / Close Access Target Recon Increment 1 (CATR)	P-5		- / -	- / -	- / -	- / 8.010	- / -	- / 8.010
Total Gross/Weapon System Cost			- / -	- / -	- / -	- / 8.010	- / -	- / 8.010

*Title represents 1) the Number / Title for Items; 2) the Number / Title [DODIC] for Ammunition; and/or 3) the Number / Title (Modification Type) for Modifications.

Note: Totals in this Exhibit P-40 set may not be exact or add due to rounding.

Justification:
 FY 2016 Base procurement dollars in the amount of \$8.010 million supports the fielding of 24 CATR sets to four (4) Brigade Combat teams (BCTs). Funds will re-kit CATR sets/systems into the Program of Record (POR) configuration, using equipment from the CATR Quick Reaction Capability (QRC) program.

UNCLASSIFIED

Exhibit P-5, Cost Analysis: PB 2016 Army		Date: February 2015
Appropriation / Budget Activity / Budget Sub Activity: 2035A / 02 / 80	P-1 Line Item Number / Title: B10001 / Close Access Target Reconnaissance (CATR)	Item Number / Title [DODIC]: B10002 / Close Access Target Recon Increment 1 (CATR)

ID Code (A=Service Ready, B=Not Service Ready) :	MDAP/MAIS Code:
---	------------------------

Resource Summary	Prior Years	FY 2014	FY 2015	FY 2016 Base	FY 2016 OCO	FY 2016 Total
Procurement Quantity (<i>Units in Each</i>)	-	-	-	-	-	-
Gross/Weapon System Cost (<i>\$ in Millions</i>)	-	-	-	8.010	-	8.010
Less PY Advance Procurement (<i>\$ in Millions</i>)	-	-	-	-	-	-
Net Procurement (P1) (<i>\$ in Millions</i>)	-	-	-	8.010	-	8.010
Plus CY Advance Procurement (<i>\$ in Millions</i>)	-	-	-	-	-	-
Total Obligation Authority (<i>\$ in Millions</i>)	-	-	-	8.010	-	8.010

(The following Resource Summary rows are for informational purposes only. The corresponding budget requests are documented elsewhere.)

Initial Spares (<i>\$ in Millions</i>)	-	-	-	-	-	-
Gross/Weapon System Unit Cost (<i>\$ in Thousands</i>)	-	-	-	333.750	-	333.750

Note: Subtotals or Totals in this Exhibit P-5 may not be exact or add, due to rounding.

Cost Elements	Prior Years			FY 2014			FY 2015			FY 2016 Base			FY 2016 OCO			FY 2016 Total		
	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)
Flyaway Cost																		
Recurring Cost																		
Engineering Support	-	-	-	-	-	-	-	-	-	-	-	1.083	-	-	-	-	-	1.083
Program Management Office	-	-	-	-	-	-	-	-	-	-	-	0.361	-	-	-	-	-	0.361
Logistics Support	-	-	-	-	-	-	-	-	-	-	-	0.980	-	-	-	-	-	0.980
Total Package Fielding	-	-	-	-	-	-	-	-	-	-	-	3.153	-	-	-	-	-	3.153
Communications Architecture	-	-	-	-	-	-	-	-	-	-	-	2.433	-	-	-	-	-	2.433
<i>Subtotal: Recurring Cost</i>	-	-	-	-	-	-	-	-	-	-	-	<i>8.010</i>	-	-	-	-	-	<i>8.010</i>
<i>Subtotal: Flyaway Cost</i>	-	-	-	-	-	-	-	-	-	-	-	<i>8.010</i>	-	-	-	-	-	<i>8.010</i>
Gross/Weapon System Cost	-	-	-	-	-	-	-	-	-	333.750	-	8.010	-	-	-	333.750	-	8.010

Secondary Distribution	FY 2014	FY 2015	FY 2016 Base	FY 2016 OCO	FY 2016 Total
Army					
Quantity	-	-	-	-	-
Total Obligation Authority	-	-	8.010	-	8.010
Total: Secondary Distribution					
Quantity	-	-	-	-	-
Total Obligation Authority	-	-	8.010	-	8.010

UNCLASSIFIED

Exhibit P-40, Budget Line Item Justification: PB 2016 Army **Date:** February 2015

Appropriation / Budget Activity / Budget Sub Activity: 2035A: Other Procurement, Army / BA 02: Communications and Electronics Equipment / BSA 80: Elect Equip - Tact Int Rel Act (TIARA)	P-1 Line Item Number / Title: B88605 / Machine Foreign Language Translation System-MFLTS
---	--

ID Code (A=Service Ready, B=Not Service Ready) :	Program Elements for Code B Items:						Other Related Program Elements:					
Resource Summary	Prior Years	FY 2014	FY 2015	FY 2016 Base	FY 2016 OCO	FY 2016 Total	FY 2017	FY 2018	FY 2019	FY 2020	To Complete	Total
Procurement Quantity (Units in Each)	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Cost (\$ in Millions)	24.620	-	-	8.125	-	8.125	-	-	-	-	-	32.745
Less PY Advance Procurement (\$ in Millions)	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P1) (\$ in Millions)	24.620	-	-	8.125	-	8.125	-	-	-	-	-	32.745
Plus CY Advance Procurement (\$ in Millions)	-	-	-	-	-	-	-	-	-	-	-	-
Total Obligation Authority (\$ in Millions)	24.620	-	-	8.125	-	8.125	-	-	-	-	-	32.745

(The following Resource Summary rows are for informational purposes only. The corresponding budget requests are documented elsewhere.)

Initial Spares (\$ in Millions)	-	-	-	-	-	-	-	-	-	-	-	-
Flyaway Unit Cost (\$ in Thousands)	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Unit Cost (\$ in Thousands)	-	-	-	-	-	-	-	-	-	-	-	-

Description:

The Machine Foreign Language Translation System (MFLTS) program develops, fields, and sustains a basic automated foreign speech and text translation capability into Army acquisition systems, to augment and compliment limited human linguistic resources. These integrated automated translation capabilities will be applicable across three different system configurations; a hand-held/wearable portable device, a laptop or mobile device, and in a networked/web-enabled system. The software modules will translate English into a prioritized listing of languages in a prioritized collection of domains (i.g. medical, intelligence, base security). MFLTS will be interoperable with Commercial Off-The-Shelf (COTS) or Government Off-The-Shelf (GOTS) automation equipment to include the Distributed Common Ground System-Army (DCGS-A), Ground Soldier Ensemble, Counterintelligence Human Intelligence Automated Reporting and Collection System (CHARCS).

This program is a new start in FY 2016.

Secondary Distribution	FY 2014	FY 2015	FY 2016 Base	FY 2016 OCO	FY 2016 Total	FY 2017	FY 2018	FY 2019	FY 2020
Army									
Quantity	-	-	-	-	-	-	-	-	-
Total Obligation Authority	-	-	8.125	-	8.125	-	-	-	-
Total:									
Quantity	-	-	-	-	-	-	-	-	-
Total Obligation Authority	-	-	8.125	-	8.125	-	-	-	-

UNCLASSIFIED

Exhibit P-40, Budget Line Item Justification: PB 2016 Army **Date:** February 2015

Appropriation / Budget Activity / Budget Sub Activity: 2035A: Other Procurement, Army / BA 02: Communications and Electronics Equipment / BSA 80: Elect Equip - Tact Int Rel Act (TIARA)	P-1 Line Item Number / Title: B88605 / Machine Foreign Language Translation System-MFLTS
---	--

ID Code (A=Service Ready, B=Not Service Ready) :			Program Elements for Code B Items:			Other Related Program Elements:		
Exhibits Schedule			Prior Years	FY 2014	FY 2015	FY 2016 Base	FY 2016 OCO	FY 2016 Total
Title*	Exhibits	ID CD	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)
B88605 / Machine Foreign Language Translation System-MFLTS	P-5		- / 24.620	- / -	- / -	- / 8.125	- / -	- / 8.125
Total Gross/Weapon System Cost			- / 24.620	- / -	- / -	- / 8.125	- / -	- / 8.125

*Title represents 1) the Number / Title for Items; 2) the Number / Title [DODIC] for Ammunition; and/or 3) the Number / Title (Modification Type) for Modifications.

Note: Totals in this Exhibit P-40 set may not be exact or add due to rounding.

Justification:
 FY 2016 Base procurement dollars in the amount of \$8.125 million supports production of the MFLTS Initial Capability software and software licenses.

UNCLASSIFIED

Exhibit P-5, Cost Analysis: PB 2016 Army		Date: February 2015
Appropriation / Budget Activity / Budget Sub Activity: 2035A / 02 / 80	P-1 Line Item Number / Title: B88605 / Machine Foreign Language Translation System-MFLTTS	Item Number / Title [DODIC]: B88605 / Machine Foreign Language Translation System-MFLTTS

ID Code (A=Service Ready, B=Not Service Ready) :	MDAP/MAIS Code:
---	------------------------

Resource Summary	Prior Years	FY 2014	FY 2015	FY 2016 Base	FY 2016 OCO	FY 2016 Total
Procurement Quantity (Units in Each)	-	-	-	-	-	-
Gross/Weapon System Cost (\$ in Millions)	24.620	-	-	8.125	-	8.125
Less PY Advance Procurement (\$ in Millions)	-	-	-	-	-	-
Net Procurement (P1) (\$ in Millions)	24.620	-	-	8.125	-	8.125
Plus CY Advance Procurement (\$ in Millions)	-	-	-	-	-	-
Total Obligation Authority (\$ in Millions)	24.620	-	-	8.125	-	8.125

(The following Resource Summary rows are for informational purposes only. The corresponding budget requests are documented elsewhere.)

Initial Spares (\$ in Millions)	-	-	-	-	-	-
Gross/Weapon System Unit Cost (\$ in Thousands)	-	-	-	-	-	-

Note: Subtotals or Totals in this Exhibit P-5 may not be exact or add, due to rounding.

Cost Elements	Prior Years			FY 2014			FY 2015			FY 2016 Base			FY 2016 OCO			FY 2016 Total		
	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)
Flyaway Cost																		
Recurring Cost																		
MFLTTS Software License Fees	-	-	-	-	-	-	-	-	-	-	-	4.000	-	-	-	-	-	4.000
Initial Capability Production Contract	-	-	-	-	-	-	-	-	-	-	-	2.600	-	-	-	-	-	2.600
SETA support	-	-	-	-	-	-	-	-	-	-	-	1.200	-	-	-	-	-	1.200
PMO support	-	-	-	-	-	-	-	-	-	-	-	0.325	-	-	-	-	-	0.325
<i>Subtotal: Recurring Cost</i>	-	-	-	-	-	-	-	-	-	-	-	8.125	-	-	-	-	-	8.125
<i>Subtotal: Flyaway Cost</i>	-	-	-	-	-	-	-	-	-	-	-	8.125	-	-	-	-	-	8.125
Hardware Cost																		
Non Recurring Cost																		
Quick Reaction Capabilities (QRC)	-	-	24.620	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
<i>Subtotal: Non Recurring Cost</i>	-	-	24.620	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
<i>Subtotal: Hardware Cost</i>	-	-	24.620	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Cost	-	-	24.620	-	-	-	-	-	-	-	-	8.125	-	-	-	-	-	8.125

UNCLASSIFIED

Exhibit P-5, Cost Analysis: PB 2016 Army		Date: February 2015
Appropriation / Budget Activity / Budget Sub Activity: 2035A / 02 / 80	P-1 Line Item Number / Title: B88605 / Machine Foreign Language Translation System-MFLTS	Item Number / Title [DODIC]: B88605 / Machine Foreign Language Translation System-MFLTS

ID Code (A=Service Ready, B=Not Service Ready) :	MDAP/MAIS Code:
---	------------------------

Secondary Distribution		FY 2014	FY 2015	FY 2016 Base	FY 2016 OCO	FY 2016 Total
Army	Quantity	-	-	-	-	-
	Total Obligation Authority	-	-	8.125	-	8.125
Total:	Quantity	-	-	-	-	-
Secondary Distribution	Total Obligation Authority	-	-	8.125	-	8.125

UNCLASSIFIED

Exhibit P-40, Budget Line Item Justification: PB 2016 Army **Date:** February 2015

Appropriation / Budget Activity / Budget Sub Activity:
 2035A: Other Procurement, Army / BA 02: Communications and Electronics
 Equipment / BSA 83: Elect Equip - Electronic Warfare (EW) **P-1 Line Item Number / Title:**
 B05201 / Lightweight Counter Mortar Radar

ID Code (A=Service Ready, B=Not Service Ready) : **Program Elements for Code B Items:** **Other Related Program Elements:** 0604823A

Resource Summary	Prior Years	FY 2014	FY 2015	FY 2016 Base	FY 2016 OCO	FY 2016 Total	FY 2017	FY 2018	FY 2019	FY 2020	To Complete	Total
Procurement Quantity (Units in Each)	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Cost (\$ in Millions)	516.860	98.535	24.828	63.472	-	63.472	46.395	11.399	9.614	-	Continuing	Continuing
Less PY Advance Procurement (\$ in Millions)	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P1) (\$ in Millions)	516.860	98.535	24.828	63.472	-	63.472	46.395	11.399	9.614	-	Continuing	Continuing
Plus CY Advance Procurement (\$ in Millions)	-	-	-	-	-	-	-	-	-	-	-	-
Total Obligation Authority (\$ in Millions)	516.860	98.535	24.828	63.472	-	63.472	46.395	11.399	9.614	-	Continuing	Continuing

(The following Resource Summary rows are for informational purposes only. The corresponding budget requests are documented elsewhere.)

Initial Spares (\$ in Millions)	-	-	-	-	-	-	-	-	-	-	-	-
Flyaway Unit Cost (\$ in Thousands)	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Unit Cost (\$ in Thousands)	-	-	-	1,763.111	-	1,763.111	-	-	-	-	Continuing	Continuing

Description:

The AN/TPQ-50 (formerly known as AN/TPQ-48(V)3) Lightweight Counter Mortar Radar (LCMR) is a digitally connected, day/night mortar, cannon, and rocket locating system. It is used to detect, locate, track, and report enemy indirect firing systems and provides the ability to observe friendly fire. The AN/TPQ-50 is capable of being deployed in two configurations, standalone or vehicle mounted. It can be set up and operational in 20 minutes and disassembled in 10 minutes. The AN/TPQ-50 is deployed as part of a System of Systems for the Counter-Rocket, Artillery, Mortar (C-RAM) construct or Rocket, Artillery, Mortar (RAM) Warn. It provides data to the Forward Area Air Defense Command and Control (FAAD C2) node for the sense and warn force protection capability at fixed and semi-fixed sites. It provides 360 degrees of azimuth coverage from ranges of 500 meters to 10 kilometer. The AN/TPQ-50 is a program of record with a demonstrated combat record with systems currently fielded to multiple Continental United States (CONUS) and Outside Continental United States (OCONUS) locations and currently scheduled for deployment to Operation Freedom's Sentinel in FY15.

Army Acquisition Objective (AAO): 400

Secondary Distribution		FY 2014	FY 2015	FY 2016 Base	FY 2016 OCO	FY 2016 Total	FY 2017	FY 2018	FY 2019	FY 2020
Army	Quantity	-	-	-	-	-	-	-	-	-
	Total Obligation Authority	66.360	16.018	35.260	-	35.260	30.156	5.699	9.614	-
ANG	Quantity	-	-	-	-	-	-	-	-	-
	Total Obligation Authority	32.175	8.810	28.212	-	28.212	16.239	5.700	-	-
Total:	Quantity	-	-	-	-	-	-	-	-	-
Secondary Distribution	Total Obligation Authority	98.535	24.828	63.472	-	63.472	46.395	11.399	9.614	-

UNCLASSIFIED

Exhibit P-40, Budget Line Item Justification: PB 2016 Army **Date:** February 2015

Appropriation / Budget Activity / Budget Sub Activity: 2035A: Other Procurement, Army / BA 02: Communications and Electronics Equipment / BSA 83: Elect Equip - Electronic Warfare (EW)	P-1 Line Item Number / Title: B05201 / Lightweight Counter Mortar Radar
--	---

ID Code (A=Service Ready, B=Not Service Ready) :	Program Elements for Code B Items:	Other Related Program Elements: 0604823A
---	---	---

Exhibits Schedule			Prior Years	FY 2014	FY 2015	FY 2016 Base	FY 2016 OCO	FY 2016 Total
Title*	Exhibits	ID CD	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)
B05201 / Lightweight Counter Mortar Radar	P-5, P-5a, P-21		- / 516.860	- / 98.535	- / 24.828	- / 63.472	- / -	- / 63.472
Total Gross/Weapon System Cost			- / 516.860	- / 98.535	- / 24.828	- / 63.472	- / -	- / 63.472

*Title represents 1) the Number / Title for Items; 2) the Number / Title [DODIC] for Ammunition; and/or 3) the Number / Title (Modification Type) for Modifications.

Note: Totals in this Exhibit P-40 set may not be exact or add due to rounding.

Justification:

Fiscal Year (FY) 2016 Base procurement dollars in the amount of \$63.472 million supports the procurement of thirty-six (36) AN/TPQ-50 Full Rate Production (FRP) systems. Current force structure is two (2) radars per Division Artillery (DIVARTY) and four (4) radars per Brigade Combat Team (BCT).

In accordance with Section 1815 of the Fiscal Year (FY) 2008 National Defense Authorization Act (P.L. 110-181), this item is necessary for use by the active and reserve components of the Armed Forces for homeland defense missions, domestic emergency responses, and providing military support to civil authorities.

UNCLASSIFIED

Exhibit P-5, Cost Analysis: PB 2016 Army		Date: February 2015
Appropriation / Budget Activity / Budget Sub Activity: 2035A / 02 / 83		P-1 Line Item Number / Title: B05201 / Lightweight Counter Mortar Radar
		Item Number / Title [DODIC]: B05201 / Lightweight Counter Mortar Radar

ID Code (A=Service Ready, B=Not Service Ready) :	MDAP/MAIS Code:
---	------------------------

Resource Summary	Prior Years	FY 2014	FY 2015	FY 2016 Base	FY 2016 OCO	FY 2016 Total
Procurement Quantity (Units in Each)	-	-	-	-	-	-
Gross/Weapon System Cost (\$ in Millions)	516.860	98.535	24.828	63.472	-	63.472
Less PY Advance Procurement (\$ in Millions)	-	-	-	-	-	-
Net Procurement (P1) (\$ in Millions)	516.860	98.535	24.828	63.472	-	63.472
Plus CY Advance Procurement (\$ in Millions)	-	-	-	-	-	-
Total Obligation Authority (\$ in Millions)	516.860	98.535	24.828	63.472	-	63.472

(The following Resource Summary rows are for informational purposes only. The corresponding budget requests are documented elsewhere.)

Initial Spares (\$ in Millions)	-	-	-	-	-	-
Gross/Weapon System Unit Cost (\$ in Thousands)	-	-	-	1,763.111	-	1,763.111

Note: Subtotals or Totals in this Exhibit P-5 may not be exact or add, due to rounding.

Cost Elements	Prior Years			FY 2014			FY 2015			FY 2016 Base			FY 2016 OCO			FY 2016 Total		
	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)
Flyaway Cost																		
Recurring Cost																		
Hardware AN/TPQ-50 (LCMR V3) ^(f)	-	-	285.215	901.183	82	73.897	1,986.667	3	5.960	1,108.139	36	39.893	-	-	-	1,108.139	36	39.893
Engineering Change Orders	-	-	0.103	-	-	3.457	-	-	0.899	-	-	3.496	-	-	-	-	-	3.496
Acceptance and Live Fire Testing	-	-	26.098	-	-	2.859	-	-	0.670	-	-	0.368	-	-	-	-	-	0.368
Integrated Logistics Support	-	-	11.691	-	-	2.041	-	-	1.653	-	-	1.673	-	-	-	-	-	1.673
Interim Contractor Support (ICS)	-	-	34.394	-	-	0.783	-	-	1.000	-	-	-	-	-	-	-	-	-
System Engineering	-	-	36.778	-	-	2.804	-	-	1.373	-	-	3.779	-	-	-	-	-	3.779
Fielding	-	-	85.142	-	-	10.023	-	-	10.530	-	-	11.302	-	-	-	-	-	11.302
Program Management Support	-	-	37.439	-	-	2.671	-	-	2.743	-	-	2.961	-	-	-	-	-	2.961
Subtotal: Recurring Cost	-	-	516.860	-	-	98.535	-	-	24.828	-	-	63.472	-	-	-	-	-	63.472
Subtotal: Flyaway Cost	-	-	516.860	-	-	98.535	-	-	24.828	-	-	63.472	-	-	-	-	-	63.472
Gross/Weapon System Cost	-	-	516.860	-	-	98.535	-	-	24.828	1,763.111	-	63.472	-	-	-	1,763.111	-	63.472

UNCLASSIFIED

Exhibit P-5, Cost Analysis: PB 2016 Army		Date: February 2015
Appropriation / Budget Activity / Budget Sub Activity: 2035A / 02 / 83	P-1 Line Item Number / Title: B05201 / Lightweight Counter Mortar Radar	Item Number / Title [DODIC]: B05201 / Lightweight Counter Mortar Radar

ID Code (A=Service Ready, B=Not Service Ready) :	MDAP/MAIS Code:
---	------------------------

Secondary Distribution		FY 2014	FY 2015	FY 2016 Base	FY 2016 OCO	FY 2016 Total
Army	Quantity	-	-	-	-	-
	Total Obligation Authority	66.360	16.018	35.260	-	35.260
ANG	Quantity	-	-	-	-	-
	Total Obligation Authority	32.175	8.810	28.212	-	28.212
Total:	Quantity	-	-	-	-	-
Secondary Distribution	Total Obligation Authority	98.535	24.828	63.472	-	63.472

(†) indicates the presence of a P-5a

UNCLASSIFIED

Exhibit P-5a, Procurement History and Planning: PB 2016 Army							Date: February 2015					
Appropriation / Budget Activity / Budget Sub Activity: 2035A / 02 / 83			P-1 Line Item Number / Title: B05201 / Lightweight Counter Mortar Radar				Item Number / Title [DODIC]: B05201 / Lightweight Counter Mortar Radar					

Cost Elements	O C O	FY	Contractor and Location	Method/Type or Funding Vehicle	Location of PCO	Award Date	Date of First Delivery	Qty <i>(Each)</i>	Unit Cost <i>(\$ K)</i>	Specs Avail Now?	Date Revision Available	RFP Issue Date
Hardware AN/TPQ-50 (LCMR V3) ^(†)		2014	SRCTec Inc / North Syracuse	SS / FFP	CECOM	Dec 2013	Apr 2015	51	901.183			
Hardware AN/TPQ-50 (LCMR V3) ^(†)		2014	SRCTec Inc / North Syracuse	SS / FFP	CECOM	Apr 2014	Feb 2016	31	901.183			
Hardware AN/TPQ-50 (LCMR V3) ^(†)		2015	SRCTec Inc / North Syracuse	SS / FFP	CECOM	Apr 2015	Mar 2016	3	1,986.667			
Hardware AN/TPQ-50 (LCMR V3) ^(†)		2016	SRCTec Inc / North Syracuse	SS / FFP	CECOM	Jan 2016	Jan 2017	36	1,108.139			

^(†) indicates the presence of a P-21

Remarks:
FY14 contract awards were based on release of funding.

UNCLASSIFIED

Exhibit P-21, Production Schedule: PB 2016 Army															Date: February 2015														
Appropriation / Budget Activity / Budget Sub Activity: 2035A / 02 / 83										P-1 Line Item Number / Title: B05201 / Lightweight Counter Mortar Radar										Item Number / Title [DODIC]: B05201 / Lightweight Counter Mortar Radar									

Cost Elements <i>(Units in Each)</i>						Fiscal Year 2014												Fiscal Year 2015																	
O C C O	M F R #	FY	SERVICE	PROC QTY	ACCEPT PRIOR TO 1 OCT 2013	BAL DUE AS OF 1 OCT	Calendar Year 2014												Calendar Year 2015																
							O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	B A L				
Hardware AN/TPQ-50 (LCMR V3)																																			
	1	2014	ARMY	51	-	51			A -	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	4	5	5	5	5	5	22
	2	2014	ARMY (IV)	31	-	31								A -	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	31	
	3	2015	ARMY	3	-	3																						A -	-	-	-	-	-	3	
	4	2016	ARMY	36	-	36																												36	
							O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	B A L				

UNCLASSIFIED

Exhibit P-21, Production Schedule: PB 2016 Army															Date: February 2015														
Appropriation / Budget Activity / Budget Sub Activity: 2035A / 02 / 83										P-1 Line Item Number / Title: B05201 / Lightweight Counter Mortar Radar										Item Number / Title [DODIC]: B05201 / Lightweight Counter Mortar Radar									

Cost Elements <i>(Units in Each)</i>						Fiscal Year 2016													Fiscal Year 2017													
O C C O	M F R #	FY	SERVICE	PROC QTY	ACCEP T P R I O R T O 1 O C T 2 0 1 5	BAL D U E A S O F 1 O C T	Calendar Year 2016													Calendar Year 2017												
							O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	B A L	
Hardware AN/TPQ-50 (LCMR V3)																																
	1	2014	ARMY	51	29	22	5	5	5	5	2																		-			
	2	2014	ARMY (IV)	31	-	31	-	-	-	-	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	1	-		
	3	2015	ARMY	3	-	3	-	-	-	-	3																		-			
	4	2016	ARMY	36	-	36				A	-	-	-	-	-	-	-	-	-	-	-	3	3	3	3	3	3	3	3	9		
							O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	B A L	

UNCLASSIFIED

Exhibit P-21, Production Schedule: PB 2016 Army		Date: February 2015
Appropriation / Budget Activity / Budget Sub Activity: 2035A / 02 / 83		P-1 Line Item Number / Title: B05201 / Lightweight Counter Mortar Radar
		Item Number / Title [DODIC]: B05201 / Lightweight Counter Mortar Radar

Cost Elements <i>(Units in Each)</i>						Fiscal Year 2018												Fiscal Year 2019													
O C C O	M F R #	FY	SERVICE	PROC QTY	ACCEPT PRIOR TO 1 OCT 2017	BAL DUE AS OF 1 OCT	Calendar Year 2018												Calendar Year 2019												
							O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	B A L
Hardware AN/TPQ-50 (LCMR V3)																															
	1	2014	ARMY	51	51	-																									
	2	2014	ARMY (IV)	31	31	-																									
	3	2015	ARMY	3	3	-																									
	4	2016	ARMY	36	27	9	3		3		3																				
							O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	B A L

UNCLASSIFIED

Exhibit P-21, Production Schedule: PB 2016 Army		Date: February 2015
Appropriation / Budget Activity / Budget Sub Activity: 2035A / 02 / 83		P-1 Line Item Number / Title: B05201 / Lightweight Counter Mortar Radar
		Item Number / Title [DODIC]: B05201 / Lightweight Counter Mortar Radar

MFR Ref #	MFR Name - Location	Production Rates (Each / Year)			Procurement Leadtime (Months)								
		MSR For 2016	1-8-5 For 2016	MAX For 2016	Initial				Reorder				
					ALT Prior to Oct 1	ALT After Oct 1	Mfg PLT	Total After Oct 1	ALT Prior to Oct 1	ALT After Oct 1	Mfg PLT	Total After Oct 1	
1	SRCTec Inc - North Syracuse	36	120	240	-	-	-	-	-	-	3	12	15
2	SRCTec Inc - North Syracuse	36	120	240	-	-	-	-	-	-	7	30	37
3	SRCTec Inc - North Syracuse	36	120	240	-	-	-	-	-	-	6	12	18
4	SRCTec Inc - North Syracuse	36	120	240	-	-	-	-	-	-	6	12	18

"A" in the Delivery Schedule indicates the Contract Award Date.

Note: Due to space limitations, quantities in the Exhibit P-21 delivery calendar are truncated and rounded based on the maximum quantity in the calendar as follows. If the maximum quantity is less than or equal to than 9,999, all quantities are shown as each. If the maximum quantity is between 10,000 and 999,999 all quantities are shown in thousands. If the maximum quantity is between 1,000,000 and 999,999,999 all quantities are shown in millions (rounded to the nearest thousand). If the maximum quantity is equal or greater than 1,000,000,000 all quantities are shown in billions (rounded to the nearest million).

Service/Agency Suffixes:

^(IV) Second Buy

UNCLASSIFIED

Exhibit P-40, Budget Line Item Justification: PB 2016 Army **Date:** February 2015

Appropriation / Budget Activity / Budget Sub Activity: 2035A: Other Procurement, Army / BA 02: Communications and Electronics Equipment / BSA 83: Elect Equip - Electronic Warfare (EW)	P-1 Line Item Number / Title: K00002 / EW Planning & Management Tools (EWPMT)
--	---

ID Code (A=Service Ready, B=Not Service Ready) :	Program Elements for Code B Items:						Other Related Program Elements:					
Resource Summary	Prior Years	FY 2014	FY 2015	FY 2016 Base	FY 2016 OCO	FY 2016 Total	FY 2017	FY 2018	FY 2019	FY 2020	To Complete	Total
Procurement Quantity (Units in Each)	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Cost (\$ in Millions)	-	0.013	-	2.556	-	2.556	-	-	-	-	Continuing	Continuing
Less PY Advance Procurement (\$ in Millions)	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P1) (\$ in Millions)	-	0.013	-	2.556	-	2.556	-	-	-	-	Continuing	Continuing
Plus CY Advance Procurement (\$ in Millions)	-	-	-	-	-	-	-	-	-	-	-	-
Total Obligation Authority (\$ in Millions)	-	0.013	-	2.556	-	2.556	-	-	-	-	Continuing	Continuing

(The following Resource Summary rows are for informational purposes only. The corresponding budget requests are documented elsewhere.)

Initial Spares (\$ in Millions)	-	-	-	-	-	-	-	-	-	-	-	-
Flyaway Unit Cost (\$ in Thousands)	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Unit Cost (\$ in Thousands)	-	-	-	-	-	-	-	-	-	-	-	-

Description:

Electronic Warfare Planning and Management Tools (EWPMT) will provide planning capabilities to coordinate, manage, and deconflict unit Electronic Warfare (EW) activities; employ EW assets to conduct offensive EW targeting, and synchronize EW spectrum operations with an Effects/Fires Cell as an element of Mission Command. EWPMT is a suite of software tools and applications that will provide a spectrum Common Operating Picture (COP) for the Electronic Warfare Officer (EWO). EWPMT will integrate data elements from Mission Command, Intelligence, and Fires to achieve situational awareness of the Electromagnetic Operational Environment.

Secondary Distribution	FY 2014	FY 2015	FY 2016 Base	FY 2016 OCO	FY 2016 Total	FY 2017	FY 2018	FY 2019	FY 2020
Army									
Quantity	-	-	-	-	-	-	-	-	-
Total Obligation Authority	0.013	-	2.556	-	2.556	-	-	-	-
Total:									
Secondary Distribution									
Quantity	-	-	-	-	-	-	-	-	-
Total Obligation Authority	0.013	-	2.556	-	2.556	-	-	-	-

Justification:

FY2016 Base procurement dollars in the amount of \$2.556 million supports training and fielding of the EWPMT system to achieve an Initial Operational Capability (IOC) in FY2016.

UNCLASSIFIED

Exhibit P-40, Budget Line Item Justification: PB 2016 Army **Date:** February 2015

Appropriation / Budget Activity / Budget Sub Activity: 2035A: Other Procurement, Army / BA 02: Communications and Electronics Equipment / BSA 83: Elect Equip - Electronic Warfare (EW)	P-1 Line Item Number / Title: W60001 / Air Vigilance (AV)
--	---

ID Code (A=Service Ready, B=Not Service Ready) :	Program Elements for Code B Items:						Other Related Program Elements: 0603766A, 0605766A					
Resource Summary	Prior Years	FY 2014	FY 2015	FY 2016 Base	FY 2016 OCO	FY 2016 Total	FY 2017	FY 2018	FY 2019	FY 2020	To Complete	Total
Procurement Quantity (Units in Each)	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Cost (\$ in Millions)	-	-	7.000	8.224	-	8.224	0.739	1.526	2.485	2.533	Continuing	Continuing
Less PY Advance Procurement (\$ in Millions)	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P1) (\$ in Millions)	-	-	7.000	8.224	-	8.224	0.739	1.526	2.485	2.533	Continuing	Continuing
Plus CY Advance Procurement (\$ in Millions)	-	-	-	-	-	-	-	-	-	-	-	-
Total Obligation Authority (\$ in Millions)	-	-	7.000	8.224	-	8.224	0.739	1.526	2.485	2.533	Continuing	Continuing
<i>(The following Resource Summary rows are for informational purposes only. The corresponding budget requests are documented elsewhere.)</i>												
Initial Spares (\$ in Millions)	-	-	-	-	-	-	-	-	-	-	-	-
Flyaway Unit Cost (\$ in Thousands)	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Unit Cost (\$ in Thousands)	-	-	-	-	-	-	-	-	-	-	-	-

Description:

Air Vigilance systems collect critical intelligence data on emerging threat aerial systems. The intelligence data provides early warning of operations in restricted airspace to ensure force protection. An Air Vigilance system is comprised of a key 'Hub' server unit configured and fielded with a single or multiple sub-component sensors. System Quantities are based upon 'Hub' units. Operational details are classified.

Secondary Distribution	FY 2014	FY 2015	FY 2016 Base	FY 2016 OCO	FY 2016 Total	FY 2017	FY 2018	FY 2019	FY 2020
Army									
Quantity	-	-	-	-	-	-	-	-	-
Total Obligation Authority	-	7.000	8.224	-	8.224	0.739	1.526	2.485	2.533
Total:									
Quantity	-	-	-	-	-	-	-	-	-
Total Obligation Authority	-	7.000	8.224	-	8.224	0.739	1.526	2.485	2.533

UNCLASSIFIED

Exhibit P-40, Budget Line Item Justification: PB 2016 Army **Date:** February 2015

Appropriation / Budget Activity / Budget Sub Activity: 2035A: Other Procurement, Army / BA 02: Communications and Electronics Equipment / BSA 83: Elect Equip - Electronic Warfare (EW)	P-1 Line Item Number / Title: W60001 / Air Vigilance (AV)
--	---

ID Code (A=Service Ready, B=Not Service Ready) :	Program Elements for Code B Items:	Other Related Program Elements: 0603766A, 0605766A
---	---	---

Exhibits Schedule			Prior Years	FY 2014	FY 2015	FY 2016 Base	FY 2016 OCO	FY 2016 Total
Title*	Exhibits	ID CD	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)
W60001 / Air Vigilance (AV)	P-5, P-5a, P-21		- / -	- / -	- / 7.000	- / 8.224	- / -	- / 8.224
Total Gross/Weapon System Cost			- / -	- / -	- / 7.000	- / 8.224	- / -	- / 8.224

*Title represents 1) the Number / Title for Items; 2) the Number / Title [DODIC] for Ammunition; and/or 3) the Number / Title (Modification Type) for Modifications.

Note: Totals in this Exhibit P-40 set may not be exact or add due to rounding.

Justification:
 FY 2016 Base procurement dollars in the amount of \$8.224 million procures hardware and software components for the operational force and provides for New Equipment Training. All funding is for Compo 1 (Active Component).

UNCLASSIFIED

Exhibit P-5, Cost Analysis: PB 2016 Army **Date:** February 2015

Appropriation / Budget Activity / Budget Sub Activity: 2035A / 02 / 83	P-1 Line Item Number / Title: W60001 / Air Vigilance (AV)	Item Number / Title [DODIC]: W60001 / Air Vigilance (AV)
--	---	--

ID Code (A=Service Ready, B=Not Service Ready) : **MDAP/MAIS Code:**

Resource Summary	Prior Years	FY 2014	FY 2015	FY 2016 Base	FY 2016 OCO	FY 2016 Total
Procurement Quantity (Units in Each)	-	-	-	-	-	-
Gross/Weapon System Cost (\$ in Millions)	-	-	7.000	8.224	-	8.224
Less PY Advance Procurement (\$ in Millions)	-	-	-	-	-	-
Net Procurement (P1) (\$ in Millions)	-	-	7.000	8.224	-	8.224
Plus CY Advance Procurement (\$ in Millions)	-	-	-	-	-	-
Total Obligation Authority (\$ in Millions)	-	-	7.000	8.224	-	8.224

(The following Resource Summary rows are for informational purposes only. The corresponding budget requests are documented elsewhere.)

Initial Spares (\$ in Millions)	-	-	-	-	-	-
Gross/Weapon System Unit Cost (\$ in Thousands)	-	-	-	-	-	-

Note: Subtotals or Totals in this Exhibit P-5 may not be exact or add, due to rounding.

Cost Elements	Prior Years			FY 2014			FY 2015			FY 2016 Base			FY 2016 OCO			FY 2016 Total		
	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)
Hardware Cost																		
Recurring Cost																		
System Hub ^(†)	-	-	-	-	-	-	230.000	1	0.230	280.000	3	0.840	-	-	-	280.000	3	0.840
Sensor ^(†)	-	-	-	-	-	-	641.000	10	6.410	600.000	8	4.800	-	-	-	600.000	8	4.800
Fielding and New Equipment Training	-	-	-	-	-	-	300.000	1	0.300	2,224.000	1	2.224	-	-	-	2,224.000	1	2.224
Systems Engineering	-	-	-	-	-	-	60.000	1	0.060	360.000	1	0.360	-	-	-	360.000	1	0.360
<i>Subtotal: Recurring Cost</i>	-	-	-	-	-	-	-	-	7.000	-	-	8.224	-	-	-	-	-	8.224
<i>Subtotal: Hardware Cost</i>	-	-	-	-	-	-	-	-	7.000	-	-	8.224	-	-	-	-	-	8.224
Gross/Weapon System Cost	-	-	-	-	-	-	-	-	7.000	-	-	8.224	-	-	-	-	-	8.224

Secondary Distribution	FY 2014	FY 2015	FY 2016 Base	FY 2016 OCO	FY 2016 Total
Army	-	-	-	-	-
	-	7.000	8.224	-	8.224
Total: Secondary Distribution	-	7.000	8.224	-	8.224

(†) indicates the presence of a P-5a

UNCLASSIFIED

Exhibit P-5a, Procurement History and Planning: PB 2016 Army **Date:** February 2015

Appropriation / Budget Activity / Budget Sub Activity: 2035A / 02 / 83	P-1 Line Item Number / Title: W60001 / Air Vigilance (AV)	Item Number / Title [DODIC]: W60001 / Air Vigilance (AV)
--	---	--

Cost Elements	O C O	FY	Contractor and Location	Method/Type or Funding Vehicle	Location of PCO	Award Date	Date of First Delivery	Qty <i>(Each)</i>	Unit Cost <i>(\$ K)</i>	Specs Avail Now?	Date Revision Available	RFP Issue Date
System Hub ^(†)		2015	Classified / Classified	C / FFP	Classified	Jan 2015	Mar 2015	1	230.000			
System Hub ^(†)		2016	Classified / Classified	C / FFP	Classified	Jan 2016	Mar 2016	3	280.000			
Sensor ^(†)		2015	Classified / Classified	C / FFP	Classified	Jan 2015	Mar 2015	10	641.000			
Sensor ^(†)		2016	Classified / Classified	C / FFP	Classified	Jan 2016	Mar 2016	8	600.000			

^(†) indicates the presence of a P-21

Remarks:

The Air Vigilance program receives full RDT&E funding support in RDT&E 6.4 PE 0603766.907 "Tactical Exploitation of National Capabilities (MIP)" and RDT&E 6.5 PE 0605766.DX9 "National Integration to Tactical Systems (MIP)".

W60001 Line renamed to "Air Vigilance" in FY15.

UNCLASSIFIED

Exhibit P-21, Production Schedule: PB 2016 Army **Date:** February 2015

Appropriation / Budget Activity / Budget Sub Activity: 2035A / 02 / 83 **P-1 Line Item Number / Title:** W60001 / Air Vigilance (AV) **Item Number / Title [DODIC]:** W60001 / Air Vigilance (AV)

Cost Elements <i>(Units in Each)</i>						Fiscal Year 2015												Fiscal Year 2016																			
O C C O	M F R #	FY	SERVICE	PROC QTY	ACCEPT PRIOR TO 1 OCT 2014	BAL DUE AS OF 1 OCT	Calendar Year 2015												Calendar Year 2016																		
							O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	B A L						
System Hub																																					
	1	2015	ARMY	1	-	1				A	-		-		1																					-	
	1	2016	ARMY	3	-	3																								A	-			1	1	1	-
Sensor																																					
	2	2015	ARMY	10	-	10				A	-		-		1	1	1	1	2	2	2																-
	2	2016	ARMY	8	-	8																															-
							O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	B A L						

UNCLASSIFIED

Exhibit P-21, Production Schedule: PB 2016 Army	Date: February 2015
--	----------------------------

Appropriation / Budget Activity / Budget Sub Activity: 2035A / 02 / 83	P-1 Line Item Number / Title: W60001 / Air Vigilance (AV)	Item Number / Title [DODIC]: W60001 / Air Vigilance (AV)
--	---	--

MFR Ref #	MFR Name - Location	Production Rates (Each / Year)			Procurement Leadtime (Months)							
		MSR For 2016	1-8-5 For 2016	MAX For 2016	Initial				Reorder			
					ALT Prior to Oct 1	ALT After Oct 1	Mfg PLT	Total After Oct 1	ALT Prior to Oct 1	ALT After Oct 1	Mfg PLT	Total After Oct 1
1	Classified - Classified	1	12	36	2	2	2	4	2	2	2	4
2	Classified - Classified	1	12	36	2	2	2	4	2	2	2	4

"A" in the Delivery Schedule indicates the Contract Award Date.

Note: Due to space limitations, quantities in the Exhibit P-21 delivery calendar are truncated and rounded based on the maximum quantity in the calendar as follows. If the maximum quantity is less than or equal to than 9,999, all quantities are shown as each. If the maximum quantity is between 10,000 and 999,999 all quantities are shown in thousands. If the maximum quantity is between 1,000,000 and 999,999,999 all quantities are shown in millions (rounded to the nearest thousand). If the maximum quantity is equal or greater than 1,000,000,000 all quantities are shown in billions (rounded to the nearest million).

UNCLASSIFIED

Exhibit P-40, Budget Line Item Justification: PB 2016 Army **Date:** February 2015

Appropriation / Budget Activity / Budget Sub Activity: 2035A: Other Procurement, Army / BA 02: Communications and Electronics Equipment / BSA 83: Elect Equip - Electronic Warfare (EW)	P-1 Line Item Number / Title: VA8000 / CREW
--	---

ID Code (A=Service Ready, B=Not Service Ready) :	Program Elements for Code B Items:						Other Related Program Elements:					
Resource Summary	Prior Years	FY 2014	FY 2015	FY 2016 Base	FY 2016 OCO	FY 2016 Total	FY 2017	FY 2018	FY 2019	FY 2020	To Complete	Total
Procurement Quantity (Units in Each)	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Cost (\$ in Millions)	1,487.601	-	-	2.960	-	2.960	-	-	-	-	-	1,490.561
Less PY Advance Procurement (\$ in Millions)	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P1) (\$ in Millions)	1,487.601	-	-	2.960	-	2.960	-	-	-	-	-	1,490.561
Plus CY Advance Procurement (\$ in Millions)	-	-	-	-	-	-	-	-	-	-	-	-
Total Obligation Authority (\$ in Millions)	1,487.601	-	-	2.960	-	2.960	-	-	-	-	-	1,490.561

(The following Resource Summary rows are for informational purposes only. The corresponding budget requests are documented elsewhere.)

Initial Spares (\$ in Millions)	-	-	-	-	-	-	-	-	-	-	-	-
Flyaway Unit Cost (\$ in Thousands)	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Unit Cost (\$ in Thousands)	-	-	-	-	-	-	-	-	-	-	-	-

Description:

The Counter Radio Controlled Improvised Explosive Devices (RCIED) Electronics Warfare (CREW) family of Electronic Counter Measure (ECM) systems are essential to provide force protection for fixed site facilities, vehicle platforms, mounted and dismounted variants for 24/7 operations. CREW Dismounted capabilities are designed to protect Soldiers while conducting dismounted operations.

This program is a new start in FY2016 for Dismounted CREW. FY2013 and prior funding supported the procurement of CREW-2 Duke systems.

Justification:

FY2016 Base procurement dollars in the amount of \$2.960 million supports the activities required to obtain full materiel releases for CREW Dismounted Capabilities.

The CREW-2 Duke Army Acquisition Objective (AAO): 39,114.

UNCLASSIFIED

Exhibit P-40, Budget Line Item Justification: PB 2016 Army **Date:** February 2015

Appropriation / Budget Activity / Budget Sub Activity: 2035A: Other Procurement, Army / BA 02: Communications and Electronics Equipment / BSA 83: Elect Equip - Electronic Warfare (EW)	P-1 Line Item Number / Title: BL5287 / Family Of Persistent Surveillance Capabilities
---	---

ID Code (A=Service Ready, B=Not Service Ready) :	Program Elements for Code B Items:	Other Related Program Elements:
---	---	--

Resource Summary	Prior Years	FY 2014	FY 2015	FY 2016 Base	FY 2016 OCO	FY 2016 Total	FY 2017	FY 2018	FY 2019	FY 2020	To Complete	Total
Procurement Quantity <i>(Units in Each)</i>	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Cost <i>(\$ in Millions)</i>	132.000	15.300	32.083	1.722	14.847	16.569	1.754	1.788	1.822	1.856	-	203.172
Less PY Advance Procurement <i>(\$ in Millions)</i>	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P1) <i>(\$ in Millions)</i>	132.000	15.300	32.083	1.722	14.847	16.569	1.754	1.788	1.822	1.856	-	203.172
Plus CY Advance Procurement <i>(\$ in Millions)</i>	-	-	-	-	-	-	-	-	-	-	-	-
Total Obligation Authority <i>(\$ in Millions)</i>	132.000	15.300	32.083	1.722	14.847	16.569	1.754	1.788	1.822	1.856	-	203.172

(The following Resource Summary rows are for informational purposes only. The corresponding budget requests are documented elsewhere.)

Initial Spares <i>(\$ in Millions)</i>	-	-	-	-	-	-	-	-	-	-	-	-
Flyaway Unit Cost <i>(\$ in Thousands)</i>	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Unit Cost <i>(\$ in Thousands)</i>	-	-	-	74.870	-	74.870	-	-	-	-	-	10,693.263

Description:

Persistent Surveillance Systems - Tethered (PSS-T) is a program comprised of Persistent Threat Detection System (PTDS) and Persistent Ground Surveillance System (PGSS). PSS-T has been assigned to Army Program Executive Office for Intelligence, Electronic Warfare and Sensors (PEO IEW&S). PTDS and PGSS are critical Quick Reaction Capability (QRC) programs consisting of tethered aerostats equipped with high resolution Electro-Optical/Infrared (EO/IR) camera systems and wide-area assessment sensors. Video collected by PSS-T is distributed to the Forward Operating Base and division commander information center as well as to quick reaction forces via personal digital assistant (PDA) displays, providing tactical commanders enhanced battlefield situational awareness.

PTDS - The baseline configuration includes the US Army Research Lab's Unattended Transient Acoustic Measurement and Signature INTelligence (MASINT) System (UTAMS) which operationally cues the PTDS MX-20 EO/IR sensor to slew onto a target. The UTAMS is an acoustic sensor design consisting of sensor stations linked via radio to a base station. Each sensor station includes microphone arrays, signal processor, and display. The baseline PTDS also includes the Joint Synchronization Information Transmitter (JSIT) Mini-Tactical Common Data Link transmitter that transmits MX-20 video stream to ground forces equipped with One System Remote Video Terminal. Expendable-Unattended Ground Sensor (E-UGS) enhances the PTDS ability to detect enemy vehicle and footstep traffic and provides improved situational awareness and facilitate tactical response. PTDS continues to meet other urgent theater needs through system upgrades: adding High Antennas for Radio Communications (HARC) radio, the PRC-117G wide band radio, Tactical Targeting Network Technology (TTNT), Highband Networking Radio (HNR) as part of the aerial layer network extension architecture; transmitting weather data directly to Air Force Weather Agency (AFWA) via weather relay kits; added dual sensor capability; additional ground moving target indicator STARLite and wide area motion imagery Kestrel sensors, Persistent Surveillance Systems (PSS) Slew to Cue and Survivability enhancements.

The PGSS has been a highly successful example of quickly delivering urgently needed capabilities to the Warfighter at remote forward operating bases (FOBs). PGSS continues to meet other urgent theater needs through system upgrades: adding HARC radio, the PRC-117G wide band radio, Quint Networking Technology (QNT), and micro-Enhanced Position Location Reporting System (EPLRS) as part of the aerial layer network extension architecture; transmitting weather data directly to AFWA via PGSS Weather Web, added dual sensor capability; additional Vista, Kestrel, and wireless identification sensing platforms (WISP) sensors, PSS Slew to Cue, Precision Fires, and Survivability enhancements. Additionally, Expendable-Unattended Ground Sensor (E-UGS) enhances the PGSS ability to detect enemy vehicle and footstep traffic and provides improved situational awareness and facilitate tactical response.

UNCLASSIFIED

Exhibit P-40, Budget Line Item Justification: PB 2016 Army **Date:** February 2015

Appropriation / Budget Activity / Budget Sub Activity: 2035A: Other Procurement, Army / BA 02: Communications and Electronics Equipment / BSA 83: Elect Equip - Electronic Warfare (EW)	P-1 Line Item Number / Title: BL5287 / Family Of Persistent Surveillance Capabilities
--	---

ID Code (A=Service Ready, B=Not Service Ready) :		Program Elements for Code B Items:				Other Related Program Elements:				
Secondary Distribution		FY 2014	FY 2015	FY 2016 Base	FY 2016 OCO	FY 2016 Total	FY 2017	FY 2018	FY 2019	FY 2020
Army	Quantity	-	-	-	-	-	-	-	-	-
	Total Obligation Authority	15.300	32.083	1.722	14.847	16.569	1.754	1.788	1.822	1.856
Total: Secondary Distribution	Quantity	-	-	-	-	-	-	-	-	-
	Total Obligation Authority	15.300	32.083	1.722	14.847	16.569	1.754	1.788	1.822	1.856

UNCLASSIFIED

Exhibit P-40, Budget Line Item Justification: PB 2016 Army **Date:** February 2015

Appropriation / Budget Activity / Budget Sub Activity: 2035A: Other Procurement, Army / BA 02: Communications and Electronics Equipment / BSA 83: Elect Equip - Electronic Warfare (EW)	P-1 Line Item Number / Title: BL5287 / Family Of Persistent Surveillance Capabilities
--	---

ID Code (A=Service Ready, B=Not Service Ready) :			Program Elements for Code B Items:			Other Related Program Elements:		
Exhibits Schedule			Prior Years	FY 2014	FY 2015	FY 2016 Base	FY 2016 OCO	FY 2016 Total
Title*	Exhibits	ID CD	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)
BL5287 / Family Of Persistent Surveillance Capabilities	P-5, P-5a, P-21		- / 132.000	- / 15.300	- / 32.083	- / 1.722	- / 14.847	- / 16.569
Total Gross/Weapon System Cost			- / 132.000	- / 15.300	- / 32.083	- / 1.722	- / 14.847	- / 16.569

*Title represents 1) the Number / Title for Items; 2) the Number / Title [DODIC] for Ammunition; and/or 3) the Number / Title (Modification Type) for Modifications.

Note: Totals in this Exhibit P-40 set may not be exact or add due to rounding.

Justification:
 FY 2016 Base procurement dollars in the amount of \$1.722 million supports the program management office.

 FY 2016 OCO procurement dollars in the amount of \$14.847 million supports procurement of replacement parts and critical site spares.

 All funds support the Active Component.

UNCLASSIFIED

Exhibit P-5, Cost Analysis: PB 2016 Army						Date: February 2015			
Appropriation / Budget Activity / Budget Sub Activity: 2035A / 02 / 83				P-1 Line Item Number / Title: BL5287 / Family Of Persistent Surveillance Capabilities			Item Number / Title [DODIC]: BL5287 / Family Of Persistent Surveillance Capabilities		
ID Code (A=Service Ready, B=Not Service Ready) :						MDAP/MAIS Code:			
Resource Summary				Prior Years	FY 2014	FY 2015	FY 2016 Base	FY 2016 OCO	FY 2016 Total
Procurement Quantity (Units in Each)				-	-	-	-	-	-
Gross/Weapon System Cost (\$ in Millions)				132.000	15.300	32.083	1.722	14.847	16.569
Less PY Advance Procurement (\$ in Millions)				-	-	-	-	-	-
Net Procurement (P1) (\$ in Millions)				132.000	15.300	32.083	1.722	14.847	16.569
Plus CY Advance Procurement (\$ in Millions)				-	-	-	-	-	-
Total Obligation Authority (\$ in Millions)				132.000	15.300	32.083	1.722	14.847	16.569
<i>(The following Resource Summary rows are for informational purposes only. The corresponding budget requests are documented elsewhere.)</i>									
Initial Spares (\$ in Millions)				-	-	-	-	-	-
Gross/Weapon System Unit Cost (\$ in Thousands)				-	-	-	74.870	-	74.870

Note: Subtotals or Totals in this Exhibit P-5 may not be exact or add, due to rounding.

Cost Elements	Prior Years			FY 2014			FY 2015			FY 2016 Base			FY 2016 OCO			FY 2016 Total		
	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)
Flyaway Cost																		
Recurring Cost																		
Network Accreditation/Payload Int	-	-	-	-	-	-	-	-	9.968	-	-	-	-	-	-	-	-	-
Aerostat Envelope ^(†)	-	-	7.332	800.000	8	6.400	800.000	8	6.400	-	-	-	800.000	6	4.800	800.000	6	4.800
Tether-up kits ^(†)	-	-	8.400	-	-	-	284.000	4	1.136	-	-	-	284.000	2	0.568	284.000	2	0.568
Baseline Avionics Conversion Kits ^(†)	-	-	10.272	-	-	-	247.000	6	1.482	-	-	-	277.000	4	1.108	277.000	4	1.108
Tactical Common Data Link ^(†)	-	-	-	-	-	-	251.500	6	1.509	-	-	-	251.500	2	0.503	251.500	2	0.503
(MAPS) Frame Assembly ^(†)	-	-	-	-	-	-	384.000	7	2.688	-	-	-	384.000	2	0.768	384.000	2	0.768
ISR Turret (MX-15) ^(†)	-	-	4.250	900.000	2	1.800	900.000	2	1.800	-	-	-	900.000	2	1.800	900.000	2	1.800
Tether-up replacement ^(†)	-	-	6.480	600.400	5	3.002	600.400	5	3.002	-	-	-	601.000	2	1.202	601.000	2	1.202
Envelope replacements ^(†)	-	-	2.150	433.000	3	1.299	433.000	3	1.299	-	-	-	433.000	3	1.299	433.000	3	1.299
WISP WAS sensors ^(†)	-	-	53.000	933.000	3	2.799	933.000	3	2.799	-	-	-	933.000	3	2.799	933.000	3	2.799
Common Systems/Interoperability Int	-	-	40.116	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Program Mangement Office Support	-	-	-	-	-	-	-	-	-	-	-	1.722	-	-	-	-	-	1.722

UNCLASSIFIED

Exhibit P-5, Cost Analysis: PB 2016 Army		Date: February 2015
Appropriation / Budget Activity / Budget Sub Activity: 2035A / 02 / 83	P-1 Line Item Number / Title: BL5287 / Family Of Persistent Surveillance Capabilities	Item Number / Title [DODIC]: BL5287 / Family Of Persistent Surveillance Capabilities
ID Code (A=Service Ready, B=Not Service Ready) :		MDAP/MAIS Code:

Note: Subtotals or Totals in this Exhibit P-5 may not be exact or add, due to rounding.

Cost Elements	Prior Years			FY 2014			FY 2015			FY 2016 Base			FY 2016 OCO			FY 2016 Total		
	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)
<i>Subtotal: Recurring Cost</i>	-	-	132.000	-	-	15.300	-	-	32.083	-	-	1.722	-	-	14.847	-	-	16.569
<i>Subtotal: Flyaway Cost</i>	-	-	132.000	-	-	15.300	-	-	32.083	-	-	1.722	-	-	14.847	-	-	16.569
Gross/Weapon System Cost	-	-	132.000	-	-	15.300	-	-	32.083	74.870	-	1.722	-	-	14.847	74.870	-	16.569

Secondary Distribution		FY 2014	FY 2015	FY 2016 Base	FY 2016 OCO	FY 2016 Total
Army	Quantity	-	-	-	-	-
	Total Obligation Authority	15.300	32.083	1.722	14.847	16.569
Total:	Quantity	-	-	-	-	-
Secondary Distribution	Total Obligation Authority	15.300	32.083	1.722	14.847	16.569

(t) indicates the presence of a P-5a

UNCLASSIFIED

Exhibit P-5a, Procurement History and Planning: PB 2016 Army								Date: February 2015				
Appropriation / Budget Activity / Budget Sub Activity: 2035A / 02 / 83			P-1 Line Item Number / Title: BL5287 / Family Of Persistent Surveillance Capabilities					Item Number / Title [DODIC]: BL5287 / Family Of Persistent Surveillance Capabilities				
Cost Elements	O C O	FY	Contractor and Location	Method/Type or Funding Vehicle	Location of PCO	Award Date	Date of First Delivery	Qty <i>(Each)</i>	Unit Cost <i>(\$ K)</i>	Specs Avail Now?	Date Revision Available	RFP Issue Date
Aerostat Envelope ^(†)		2015	ILC Dover / Dover, DE	SS / FFP	ACC-APG: APG, MD	Jan 2015	Jun 2015	8	800.000			
Aerostat Envelope ^(†)	✓	2016	ILC Dover / Dover, DE	SS / FFP	ACC-APG: APG, MD	Feb 2016	Jul 2016	6	800.000			
Tether-up kits ^(†)		2015	Lockheed Martin / Akron, OH	SS / FFP	ACC-APG: APG, MD	Feb 2015	Jun 2015	4	284.000			
Tether-up kits ^(†)	✓	2016	Lockheed Martin / Akron, OH	SS / FFP	ACC-APG: APG, MD	Feb 2016	Jul 2016	2	284.000			
Baseline Avionics Conversion Kits ^(†)		2015	Lockheed Martin / Akron, OH	SS / FFP	ACC-APG: APG, MD	Feb 2015	Jul 2015	6	247.000			
Baseline Avionics Conversion Kits ^(†)	✓	2016	Lockheed Martin / Akron, OH	SS / FFP	ACC-APG: APG, MD	Feb 2016	Jul 2016	4	277.000			
Tactical Common Data Link ^(†)		2015	Lockheed Martin / Akron, OH	SS / FFP	ACC-APG: APG, MD	Feb 2015	Jul 2015	6	251.500			
Tactical Common Data Link ^(†)	✓	2016	Lockheed Martin / Akron, OH	SS / FFP	ACC-APG: APG, MD	Feb 2016	Jul 2016	2	251.500			
(MAPS) Frame Assembly ^(†)		2015	Lockheed Martin / Akron, OH	SS / FFP	ACC-APG: APG, MD	Feb 2015	Jul 2015	7	384.000			
(MAPS) Frame Assembly ^(†)	✓	2016	Lockheed Martin / Akron, OH	SS / FFP	ACC-APG: APG, MD	Feb 2016	Jul 2016	2	384.000			
ISR Turret (MX-15) ^(†)		2015	L-3 Wescam / Burlington, ON	SS / FFP	NAVAIR: Lakehurst NJ	Feb 2015	Jul 2015	2	900.000			
ISR Turret (MX-15) ^(†)	✓	2016	L-3 Wescam / Burlington, ON	SS / FFP	NAVAIR: Lakehurst NJ	Feb 2016	Jul 2016	2	900.000			
Tether-up replacement ^(†)		2015	TCOM / Elizabeth City, NC	SS / FFP	NAVAIR: Lakehurst NJ	Feb 2015	Jul 2015	5	600.400			
Tether-up replacement ^(†)	✓	2016	TCOM / Elizabeth City, NC	SS / FFP	NAVAIR: Lakehurst NJ	Feb 2016	Jul 2016	2	601.000			
Envelope replacements ^(†)		2015	TCOM / Elizabeth City, NC	SS / FFP	NAVAIR: Lakehurst NJ	Feb 2015	Jul 2015	3	433.000			
Envelope replacements ^(†)	✓	2016	TCOM / Elizabeth City, NC	SS / FFP	NAVAIR: Lakehurst NJ	Feb 2016	Jul 2016	3	433.000			
WISP WAS sensors ^(†)		2015	MIT Lincoln Laboratory / Lexington, MA	C / FFP	NAVAIR: Lakehurst NJ	Feb 2015	Jul 2015	3	933.000			
WISP WAS sensors ^(†)	✓	2016	MIT Lincoln Laboratory / Lexington, MA	C / FFP	NAVAIR: Lakehurst NJ	Feb 2016	Jul 2016	3	933.000			

^(†) indicates the presence of a P-21

UNCLASSIFIED

Exhibit P-21, Production Schedule: PB 2016 Army																Date: February 2015										
Appropriation / Budget Activity / Budget Sub Activity: 2035A / 02 / 83										P-1 Line Item Number / Title: BL5287 / Family Of Persistent Surveillance Capabilities										Item Number / Title [DODIC]: BL5287 / Family Of Persistent Surveillance Capabilities						

Cost Elements (Units in Each)						Fiscal Year 2015														Fiscal Year 2016													
O C C	M F R	#	FY	SERVICE	PROC QTY	ACCEPT PRIOR TO 1 OCT 2014	BAL DUE AS OF 1 OCT	Calendar Year 2015														Calendar Year 2016											
								O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	B A L	
Aerostat Envelope																																	
		1	2015	ARMY	8	-	8																										
✓		1	2016	ARMY	6	-	6																										
Tether-up kits																																	
		2	2015	ARMY	4	-	4																										
✓		2	2016	ARMY	2	-	2																										
Baseline Avionics Conversion Kits																																	
		3	2015	ARMY	6	-	6																										
✓		3	2016	ARMY	4	-	4																										
Tactical Common Data Link																																	
		4	2015	ARMY	6	-	6																										
✓		4	2016	ARMY	2	-	2																										
(MAPS) Frame Assembly																																	
		5	2015	ARMY	7	-	7																										
✓		5	2016	ARMY	2	-	2																										
ISR Turret (MX-15)																																	
		6	2015	ARMY	2	-	2																										
✓		6	2016	ARMY	2	-	2																										
Tether-up replacement																																	
		7	2015	ARMY	5	-	5																										
✓		7	2016	ARMY	2	-	2																										
Envelope replacements																																	
		8	2015	ARMY	3	-	3																										
✓		8	2016	ARMY	3	-	3																										
WISP WAS sensors																																	
		9	2015	ARMY	3	-	3																										
✓		9	2016	ARMY	3	-	3																										

UNCLASSIFIED

Exhibit P-21, Production Schedule: PB 2016 Army		Date: February 2015
Appropriation / Budget Activity / Budget Sub Activity: 2035A / 02 / 83		P-1 Line Item Number / Title: BL5287 / Family Of Persistent Surveillance Capabilities
		Item Number / Title [DODIC]: BL5287 / Family Of Persistent Surveillance Capabilities

MFR Ref #	MFR Name - Location	Production Rates (Each / Month)			Procurement Leadtime (Months)							
		MSR For 2016	1-8-5 For 2016	MAX For 2016	Initial				Reorder			
					ALT Prior to Oct 1	ALT After Oct 1	Mfg PLT	Total After Oct 1	ALT Prior to Oct 1	ALT After Oct 1	Mfg PLT	Total After Oct 1
1	ILC Dover - Dover, DE	1	40	100	-	2	3	5	-	-	-	-
2	Lockheed Martin - Akron, OH	1	25	50	-	-	-	-	-	-	-	-
3	Lockheed Martin - Akron, OH	1	25	50	-	-	-	-	-	-	-	-
4	Lockheed Martin - Akron, OH	1	25	50	-	-	-	-	-	-	-	-
5	Lockheed Martin - Akron, OH	1	25	50	-	-	-	-	-	-	-	-
6	L-3 Wescam - Burlington, ON	1	20	50	-	2	4	6	-	-	-	-
7	TCOM - Elizabeth City, NC	1	20	50	-	3	3	6	-	-	-	-
8	TCOM - Elizabeth City, NC	1	20	50	-	3	3	6	-	-	-	-
9	MIT Lincoln Laboratory - Lexington, MA	1	12	25	-	1	1	2	-	-	-	-

"A" in the Delivery Schedule indicates the Contract Award Date.
 Note: Due to space limitations, quantities in the Exhibit P-21 delivery calendar are truncated and rounded based on the maximum quantity in the calendar as follows. If the maximum quantity is less than or equal to than 9,999, all quantities are shown as each. If the maximum quantity is between 10,000 and 999,999 all quantities are shown in thousands. If the maximum quantity is between 1,000,000 and 999,999,999 all quantities are shown in millions (rounded to the nearest thousand). If the maximum quantity is equal or greater than 1,000,000,000 all quantities are shown in billions (rounded to the nearest million).

UNCLASSIFIED

Exhibit P-40, Budget Line Item Justification: PB 2016 Army **Date:** February 2015

Appropriation / Budget Activity / Budget Sub Activity: 2035A: Other Procurement, Army / BA 02: Communications and Electronics Equipment / BSA 83: Elect Equip - Electronic Warfare (EW)	P-1 Line Item Number / Title: BL5283 / Counterintelligence/Security Countermeasures
--	---

ID Code (A=Service Ready, B=Not Service Ready) :	Program Elements for Code B Items:						Other Related Program Elements:					
Resource Summary	Prior Years	FY 2014	FY 2015	FY 2016 Base	FY 2016 OCO	FY 2016 Total	FY 2017	FY 2018	FY 2019	FY 2020	To Complete	Total
Procurement Quantity (Units in Each)	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Cost (\$ in Millions)	1,994.622	1.237	48.820	0.447	19.535	19.982	0.459	0.472	0.487	0.501	Continuing	Continuing
Less PY Advance Procurement (\$ in Millions)	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P1) (\$ in Millions)	1,994.622	1.237	48.820	0.447	19.535	19.982	0.459	0.472	0.487	0.501	Continuing	Continuing
Plus CY Advance Procurement (\$ in Millions)	-	-	-	-	-	-	-	-	-	-	-	-
Total Obligation Authority (\$ in Millions)	1,994.622	1.237	48.820	0.447	19.535	19.982	0.459	0.472	0.487	0.501	Continuing	Continuing
<i>(The following Resource Summary rows are for informational purposes only. The corresponding budget requests are documented elsewhere.)</i>												
Initial Spares (\$ in Millions)	-	-	-	-	-	-	-	-	-	-	-	-
Flyaway Unit Cost (\$ in Thousands)	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Unit Cost (\$ in Thousands)	-	-	-	-	-	-	-	-	-	-	-	-

Description:

PROGRAM DESCRIPTION INFORMATION IDENTIFIED IN VOL II OF THE MILITARY INTELLIGENCE PROGRAM CONGRESSIONAL JUSTIFICATION BOOK.

Secondary Distribution	FY 2014	FY 2015	FY 2016 Base	FY 2016 OCO	FY 2016 Total	FY 2017	FY 2018	FY 2019	FY 2020
Army	Quantity	-	-	-	-	-	-	-	-
	Total Obligation Authority	1.237	48.820	0.447	19.535	19.982	0.459	0.472	0.487
Total: Secondary Distribution	Quantity	-	-	-	-	-	-	-	-
	Total Obligation Authority	1.237	48.820	0.447	19.535	19.982	0.459	0.472	0.487

Justification:

FY 2016 Base funding in the amount of \$0.447 million and FY16 Overseas Contingency Operations funding in the amount of \$19.535 million are IDENTIFIED IN VOL II OF THE MILITARY INTELLIGENCE PROGRAM CONGRESSIONAL JUSTIFICATION BOOK.

UNCLASSIFIED

Exhibit P-40, Budget Line Item Justification: PB 2016 Army **Date:** February 2015

Appropriation / Budget Activity / Budget Sub Activity: 2035A: Other Procurement, Army / BA 02: Communications and Electronics Equipment / BSA 83: Elect Equip - Electronic Warfare (EW)	P-1 Line Item Number / Title: BL5285 / CI Modernization
--	---

ID Code (A=Service Ready, B=Not Service Ready) :			Program Elements for Code B Items:					Other Related Program Elements:				
Resource Summary	Prior Years	FY 2014	FY 2015	FY 2016 Base	FY 2016 OCO	FY 2016 Total	FY 2017	FY 2018	FY 2019	FY 2020	To Complete	Total
Procurement Quantity (Units in Each)	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Cost (\$ in Millions)	7.461	1.399	-	0.228	-	0.228	0.178	0.121	0.121	0.121	Continuing	Continuing
Less PY Advance Procurement (\$ in Millions)	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P1) (\$ in Millions)	7.461	1.399	-	0.228	-	0.228	0.178	0.121	0.121	0.121	Continuing	Continuing
Plus CY Advance Procurement (\$ in Millions)	-	-	-	-	-	-	-	-	-	-	-	-
Total Obligation Authority (\$ in Millions)	7.461	1.399	-	0.228	-	0.228	0.178	0.121	0.121	0.121	Continuing	Continuing
<i>(The following Resource Summary rows are for informational purposes only. The corresponding budget requests are documented elsewhere.)</i>												
Initial Spares (\$ in Millions)	-	-	-	-	-	-	-	-	-	-	-	-
Flyaway Unit Cost (\$ in Thousands)	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Unit Cost (\$ in Thousands)	-	-	-	-	-	-	-	-	-	-	-	-

Description:

The Counterintelligence (CI) Modernization effort provides resources for the sustainment of the CI information technology infrastructure used by the CI components of the Army. This architecture and infrastructure includes shared databases, workstations, global communications, and adequate connectivity for CI agents and specialists.

Secondary Distribution	FY 2014	FY 2015	FY 2016 Base	FY 2016 OCO	FY 2016 Total	FY 2017	FY 2018	FY 2019	FY 2020
Army									
Quantity	-	-	-	-	-	-	-	-	-
Total Obligation Authority	1.399	-	0.228	-	0.228	0.178	0.121	0.121	0.121
Total:									
Quantity	-	-	-	-	-	-	-	-	-
Total Obligation Authority	1.399	-	0.228	-	0.228	0.178	0.121	0.121	0.121

Justification:

FY16 funding in the amount of \$0.228 million will procure lifecycle Automated Data Processing (ADP) Capital Equipment Replacement Program support and communications equipment for worldwide Army CI operations conducted by over 1200 personnel.

UNCLASSIFIED

Exhibit P-40, Budget Line Item Justification: PB 2016 Army **Date:** February 2015

Appropriation / Budget Activity / Budget Sub Activity: 2035A: Other Procurement, Army / BA 02: Communications and Electronics Equipment / BSA 86: Elect Equip - Tactical Surv. (Tac Surv)	P-1 Line Item Number / Title: WK5057 / Sentinel Mods
--	--

ID Code (A=Service Ready, B=Not Service Ready) :	Program Elements for Code B Items:	Other Related Program Elements: 0214400A, 0604820A
---	---	---

Resource Summary	Prior Years	FY 2014	FY 2015	FY 2016 Base	FY 2016 OCO	FY 2016 Total	FY 2017	FY 2018	FY 2019	FY 2020	To Complete	Total
Procurement Quantity (<i>Units in Each</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Cost (<i>\$ in Millions</i>)	306.247	27.983	44.305	43.285	-	43.285	46.979	38.727	41.484	42.484	30.374	621.868
Less PY Advance Procurement (<i>\$ in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P1) (<i>\$ in Millions</i>)	306.247	27.983	44.305	43.285	-	43.285	46.979	38.727	41.484	42.484	30.374	621.868
Plus CY Advance Procurement (<i>\$ in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Total Obligation Authority (<i>\$ in Millions</i>)	306.247	27.983	44.305	43.285	-	43.285	46.979	38.727	41.484	42.484	30.374	621.868

(The following Resource Summary rows are for informational purposes only. The corresponding budget requests are documented elsewhere.)

Initial Spares (<i>\$ in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Flyaway Unit Cost (<i>\$ in Thousands</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Unit Cost (<i>\$ in Thousands</i>)	-	-	-	733.644	-	733.644	-	-	-	-	-	32,729.895

Description:

The Sentinel system is used with the Forward Area Air Defense Command and Control [FAAD C2] element and is a supporting program to the Integrated Air and Missile Defense architecture via the Integrated Air and Missile Defense Battle Command System [IBCS] to provide critical air surveillance of the forward areas.

Sentinel [AN/MPQ-64A1] consists of a radar-based sensor with its prime mover/power, Identification Friend or Foe [IFF], and Forward Area Air Defense [FAAD] Command, Control and Intelligence [C2I] interfaces. The radar is deployed in both an air defense role and a sense and warn role for Counter-Rocket, Artillery, and Mortar [C-RAM] missions. The sensor is an advanced three-dimensional battlefield X-Band air defense phased-array radar with an instrumented range of 75 km. Sentinel is capable of operating day or night, in adverse weather conditions, in the battlefield environments of dust, smoke, aerosols and enemy countermeasures. It provides 360-degree azimuth coverage for acquisition tracking. Sentinel contributes to the digital battlefield by automatically detecting, classifying, identifying and reporting targets [cruise missiles, unmanned aerial systems, rotary wing and fixed wing aircraft]. Improved Sentinel acquires targets sufficiently forward of the battle area to allow weapons reaction time and allow engagement at optimum ranges. Sentinel's integrated IFF reduces the potential for fratricide of US and Coalition aircraft.

Secondary Distribution	FY 2014	FY 2015	FY 2016 Base	FY 2016 OCO	FY 2016 Total	FY 2017	FY 2018	FY 2019	FY 2020
Army	-	-	-	-	-	-	-	-	-
Quantity	-	-	-	-	-	-	-	-	-
Total Obligation Authority	17.633	7.379	29.817	-	29.817	40.586	6.786	20.041	27.489
ANG	-	-	-	-	-	-	-	-	-
Quantity	-	-	-	-	-	-	-	-	-
Total Obligation Authority	10.350	36.926	13.468	-	13.468	6.393	31.941	21.443	14.995
Total: Secondary Distribution	-	-	-	-	-	-	-	-	-
Quantity	-	-	-	-	-	-	-	-	-
Total Obligation Authority	27.983	44.305	43.285	-	43.285	46.979	38.727	41.484	42.484

UNCLASSIFIED

Exhibit P-40, Budget Line Item Justification: PB 2016 Army **Date:** February 2015

Appropriation / Budget Activity / Budget Sub Activity: 2035A: Other Procurement, Army / BA 02: Communications and Electronics Equipment / BSA 86: Elect Equip - Tactical Surv. (Tac Surv)	P-1 Line Item Number / Title: WK5057 / Sentinel Mods
---	--

ID Code (A=Service Ready, B=Not Service Ready) :			Program Elements for Code B Items:			Other Related Program Elements: 0214400A, 0604820A		
Exhibits Schedule			Prior Years	FY 2014	FY 2015	FY 2016 Base	FY 2016 OCO	FY 2016 Total
Title*	Exhibits	ID CD	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)
WK5057 / Sentinel Mods (Operational)	P-3a		- / 306.247	- / 27.983	- / 44.305	- / 43.285	- / -	- / 43.285
Total Gross/Weapon System Cost			- / 306.247	- / 27.983	- / 44.305	- / 43.285	- / -	- / 43.285

Exhibits Schedule			FY 2017	FY 2018	FY 2019	FY 2020	To Complete	Total
Title*	Exhibits	ID CD	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)
WK5057 / Sentinel Mods (Operational)	P-3a		- / 46.979	- / 38.727	- / 41.484	- / 42.484	- / 30.374	- / 621.868
Total Gross/Weapon System Cost			- / 46.979	- / 38.727	- / 41.484	- / 42.484	- / 30.374	- / 621.868

*Title represents 1) the Number / Title for Items; 2) the Number / Title [DODIC] for Ammunition; and/or 3) the Number / Title (Modification Type) for Modifications.
 Note: Totals in this Exhibit P-40 set may not be exact or add due to rounding.

Justification:
 FY 2016 Base procurement dollars in the amount of \$43.285 million dollars procures 59 Common Platform Upgrade modification kits for the fleet. These quantities do not reflect the actual number of radars modified.

In accordance with Section 1815 of the FY 2008 National Defense Authorization Act (P.L. 110-181), this item is necessary for use by the active and reserve components of the Armed Forces for homeland defense missions, domestic emergency responses, and providing military support to civil authorities.

UNCLASSIFIED

Exhibit P-3a, Individual Modification: PB 2016 Army							Date: February 2015					
Appropriation / Budget Activity / Budget Sub Activity: 2035A / 02 / 86				P-1 Line Item Number / Title: WK5057 / Sentinel Mods				Modification Number / Title: WK5057 / Sentinel Mods				

Resource Summary	Prior Years	FY 2014	FY 2015	FY 2016 Base	FY 2016 OCO	FY 2016 Total	FY 2017	FY 2018	FY 2019	FY 2020	To Complete	Total
Procurement Quantity <i>(Units in Each)</i>	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Cost <i>(\$ in Millions)</i>	306.247	27.983	44.305	43.285	-	43.285	46.979	38.727	41.484	42.484	30.374	621.868
Less PY Advance Procurement <i>(\$ in Millions)</i>	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P1) <i>(\$ in Millions)</i>	306.247	27.983	44.305	43.285	-	43.285	46.979	38.727	41.484	42.484	30.374	621.868
Plus CY Advance Procurement <i>(\$ in Millions)</i>	-	-	-	-	-	-	-	-	-	-	-	-
Total Obligation Authority <i>(\$ in Millions)</i>	306.247	27.983	44.305	43.285	-	43.285	46.979	38.727	41.484	42.484	30.374	621.868

(The following Resource Summary rows are for informational purposes only. The corresponding budget requests are documented elsewhere.)

Initial Spares <i>(\$ in Millions)</i>	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Unit Cost <i>(\$ in Thousands)</i>	-	-	-	733.644	-	733.644	-	-	-	-	-	32,729.895

Description:

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

The TPX-57 Mode 5 Identification Friend or Foe [IFF] modification kit replaces the current TPX-56 IFF. It also consists of a new router, enhanced Radar Control Terminal (eRCT), Signal Data Processor (SDP) box, and multiple circuit card assemblies. These modifications convert existing A1 radars to the A3 configuration. Mode 5 provides improvements over Mode 4 in crypto sensitivity, range performance, probability of identification, expanded reply data including position reports, elimination of garbled returns from closely spaced aircraft, friend from foe identification capability, lethal interrogation capability, reduced interference with Civil Air Traffic Control systems, and selective interrogation capability. Incorporation of Mode 5 into the Sentinel system is critical to retaining the cooperative target identification capability and Sentinel effectiveness on the current/future battlefield, allowing Sentinel to remain operationally effective in Air Defense operations and Homeland Defense missions. The addition of the eRCT, SDP cards and corresponding SDP box funds the mitigation of obsolescence issues; reliability, availability, and maintainability issues; and operational and hardware issues identified with fielded Sentinel radars. The eRCT enables remote operations and includes a tactical data recorder needed for Sentinel to support Counter-Rocket, Artillery, and Mortar [C-RAM] requirements. The addition of an ethernet router is required to meet Information Assurance requirements for the eRCT and to add Command and Control connectivity to the Sentinel system.

The Common Platform Upgrade will upgrade the current Sentinel prime mover to a common Army platform to meet Brigade Combat Team [BCT] force protection, as well as meet Integrated Air and Missile Defense Battle Command System [IBCS] requirements. Transition to a common Army platform is in compliance with Acquisition Decision Memorandum dated August 2011. The current Sentinel platform does not meet the force protection requirements as defined by the BCT maneuver mission and IBCS operational requirements.

The Cross Domain Solution [CDS] Network Interface will enhance Information Assurance and add a National Security Agency [NSA] certified CDS to the fleet, enabling the Sentinel radar to operate on Unclassified and Coalition networks.

The Electronic Attack/Electronic Protect [EA/EP] addresses the electronic countermeasures [ECM] gap. This effort converts Sentinel from analog to digital in order to address more extensive EA/EP signatures from evolving threats.

The Signal Data Processor [SDP] Upgrade is a redesign of the SDP backplane to provide higher data throughput to remove current limitations and an upgraded set of SDP cards to remove obsolescence. The North Finding Module [NFM] Upgrade will enhance the system's emplacement accuracy, resulting in improved fire control support and replacement of the obsolete NFM.

UNCLASSIFIED

Exhibit P-3a, Individual Modification: PB 2016 Army		Date: February 2015
Appropriation / Budget Activity / Budget Sub Activity: 2035A / 02 / 86	P-1 Line Item Number / Title: WK5057 / Sentinel Mods	Modification Number / Title: WK5057 / Sentinel Mods

Secondary Distribution		FY 2014	FY 2015	FY 2016 Base	FY 2016 OCO	FY 2016 Total	FY 2017	FY 2018	FY 2019	FY 2020
Army	Quantity	-	-	-	-	-	-	-	-	-
	Total Obligation Authority	17.633	7.379	29.817	-	29.817	40.586	6.786	20.041	27.489
ANG	Quantity	-	-	-	-	-	-	-	-	-
	Total Obligation Authority	10.350	36.926	13.468	-	13.468	6.393	31.941	21.443	14.995
Total: Secondary Distribution	Quantity	-	-	-	-	-	-	-	-	-
	Total Obligation Authority	27.983	44.305	43.285	-	43.285	46.979	38.727	41.484	42.484

Development Status/Major Development Milestones		
Date	Title	Description
Sep 2011	Improved Sentinel	Undefinitized Contract Action (UCA) awarded. Contract definitized on 5/14/12.
Dec 2012	TPX-57 (Mode 5 IFF)	Contract award for Base year.
Mar 2015	Common Platform Upgrade	Integration to begin.
Jan 2017	Electronic Attack/Electronic Protect	Contract award for Base year
Jan 2017	Signal Data Processor/North Finding Module	Contract award for Base year.
Jan 2018	Cross Domain Solution	Contract award for Base year.

UNCLASSIFIED

Exhibit P-3a, Individual Modification: PB 2016 Army										Date: February 2015			
Appropriation / Budget Activity / Budget Sub Activity: 2035A / 02 / 86					P-1 Line Item Number / Title: WK5057 / Sentinel Mods					Modification Number / Title: WK5057 / Sentinel Mods			
Models of Systems Affected: Sentinel [AN/MPQ-64]					Modification Type: Operational					Related RDT&E PEs:			
Financial Plan	Prior Years	FY 2014	FY 2015	FY 2016 Base	FY 2016 OCO	FY 2016 Total	FY 2017	FY 2018	FY 2019	FY 2020	To Complete	Total	
	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	
Procurement													
Modification Item 1 of 6: Improved Sentinel													
A Kits													
Recurring													
Equipment	143 / 255.011	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	143 / 255.011	
Engineering Services	0 / 1.670	- / 0.076	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 1.746	
Govt Program Management/Admin Support	0 / 1.548	- / 0.099	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 1.647	
Other Flyaway Support	0 / 2.134	- / 1.675	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 3.809	
Subtotal: Recurring	- / 260.363	- / 1.850	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 262.213	
Subtotal: Improved Sentinel	143 / 260.363	- / 1.850	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	143 / 262.213	
Modification Item 2 of 6: TPX-57 (Mode 5 IFF)													
A Kits													
Recurring													
Equipment	82 / 33.893	39 / 19.955	22 / 7.210	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	143 / 61.058	
Engineering Services	0 / 1.478	- / 0.075	- / 0.036	- / 0.287	- / -	- / 0.287	- / -	- / -	- / -	- / -	- / -	- / 1.876	
Govt Program Management/Admin Support	0 / 1.425	- / 1.226	- / 0.521	- / 0.051	- / -	- / 0.051	- / -	- / -	- / -	- / -	- / -	- / 3.223	
Other Flyaway Support	0 / 3.563	- / 2.725	- / 1.061	- / 0.694	- / -	- / 0.694	- / -	- / -	- / -	- / -	- / -	- / 8.043	
Initial Spares	0 / 1.666	- / 1.672	- / 1.750	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 5.088	
Subtotal: Recurring	- / 42.025	- / 25.653	- / 10.578	- / 1.032	- / -	- / 1.032	- / -	- / -	- / -	- / -	- / -	- / 79.288	
Subtotal: TPX-57 (Mode 5 IFF)	82 / 42.025	39 / 25.653	22 / 10.578	- / 1.032	- / -	- / 1.032	- / -	- / -	- / -	- / -	- / -	143 / 79.288	
Modification Item 3 of 6: Common Platform Upgrade													
A Kits													
Recurring													
Equipment	- / -	- / -	59 / 26.284	59 / 32.660	- / -	59 / 32.660	29 / 16.467	- / -	- / -	- / -	- / -	147 / 75.411	
Engineering Services	- / -	- / -	- / 0.143	- / 1.147	- / -	- / 1.147	- / 0.037	- / 0.014	- / -	- / -	- / -	- / 1.341	
Govt Program Management/Admin Support	- / -	- / -	- / 1.581	- / 1.942	- / -	- / 1.942	- / 0.984	- / 0.061	- / 0.003	- / -	- / -	- / 4.571	
Other Flyaway Support	- / -	- / -	- / 4.111	- / 4.497	- / -	- / 4.497	- / 2.033	- / 0.900	- / -	- / -	- / -	- / 11.541	
Initial Spares	- / -	- / -	- / 1.217	- / 1.513	- / -	- / 1.513	- / 0.763	- / -	- / -	- / -	- / -	- / 3.493	
Subtotal: Recurring	- / -	- / -	- / 33.336	- / 41.759	- / -	- / 41.759	- / 20.284	- / 0.975	- / 0.003	- / -	- / -	- / 96.357	
Subtotal: Common Platform Upgrade	- / -	- / -	59 / 33.336	59 / 41.759	- / -	59 / 41.759	29 / 20.284	- / 0.975	- / 0.003	- / -	- / -	147 / 96.357	
Modification Item 4 of 6: Electronic Attack/Electronic Protect													
A Kits													
Recurring													

UNCLASSIFIED

Exhibit P-3a, Individual Modification: PB 2016 Army								Date: February 2015				
Appropriation / Budget Activity / Budget Sub Activity: 2035A / 02 / 86				P-1 Line Item Number / Title: WK5057 / Sentinel Mods				Modification Number / Title: WK5057 / Sentinel Mods				
Models of Systems Affected: Sentinel [AN/MPQ-64]				Modification Type: Operational				Related RDT&E PEs:				
Financial Plan	Prior Years	FY 2014	FY 2015	FY 2016 Base	FY 2016 OCO	FY 2016 Total	FY 2017	FY 2018	FY 2019	FY 2020	To Complete	Total
	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)
Equipment	- / -	- / -	- / -	- / -	- / -	- / -	199 / 4.186	- / -	- / -	- / -	- / -	199 / 4.186
Engineering Services	- / -	- / -	- / -	- / -	- / -	- / -	- / 0.037	- / 0.014	- / 0.183	- / -	- / -	- / 0.234
Govt Program Management	- / -	- / -	- / -	- / -	- / -	- / -	- / 0.288	- / 0.077	- / 0.095	- / -	- / -	- / 0.460
Other Flyaway Costs	- / -	- / -	- / -	- / -	- / -	- / -	- / 1.386	- / 0.900	- / 1.245	- / -	- / -	- / 3.531
Initial Spares	- / -	- / -	- / -	- / -	- / -	- / -	- / 0.194	- / -	- / -	- / -	- / -	- / 0.194
Subtotal: Recurring	- / -	- / -	- / -	- / -	- / -	- / -	- / 6.091	- / 0.991	- / 1.523	- / -	- / -	- / 8.605
Subtotal: Electronic Attack/Electronic Protect	- / -	- / -	- / -	- / -	- / -	- / -	199 / 6.091	- / 0.991	- / 1.523	- / -	- / -	199 / 8.605
Modification Item 5 of 6: Signal Data Processor/North Finding Module Upgrade												
A Kits												
Recurring												
Equipment	- / -	- / -	- / -	- / -	- / -	- / -	27 / 16.373	40 / 23.237	42 / 24.685	55 / 31.937	35 / 21.849	199 / 118.081
Engineering Services	- / -	- / -	- / -	- / -	- / -	- / -	- / 0.038	- / 0.014	- / 0.178	- / 0.522	- / 0.500	- / 1.252
Govt Program Management	- / -	- / -	- / -	- / -	- / -	- / -	- / 0.960	- / 1.330	- / 1.426	- / 1.899	- / 1.427	- / 7.042
Other Flyaway Support	- / -	- / -	- / -	- / -	- / -	- / -	- / 2.064	- / 2.123	- / 2.508	- / 4.291	- / 4.946	- / 15.932
Initial Spares	- / -	- / -	- / -	- / -	- / -	- / -	- / 0.757	- / 1.076	- / 1.144	- / 1.479	- / 1.012	- / 5.468
Subtotal: Recurring	- / -	- / -	- / -	- / -	- / -	- / -	- / 20.192	- / 27.780	- / 29.941	- / 40.128	- / 29.734	- / 147.775
Subtotal: Signal Data Processor/North Finding Module Upgrade	- / -	- / -	- / -	- / -	- / -	- / -	27 / 20.192	40 / 27.780	42 / 29.941	55 / 40.128	35 / 29.734	199 / 147.775
Modification Item 6 of 6: Cross Domain Solution Network Interface												
A Kits												
Recurring												
Equipment	- / -	- / -	- / -	- / -	- / -	- / -	- / -	100 / 6.253	99 / 6.323	- / -	- / -	199 / 12.576
Engineering Services	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 0.014	- / 0.178	- / 0.223	- / -	- / 0.415
Govt Program Management	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 0.374	- / 0.426	- / 0.089	- / -	- / 0.889
Other Flyaway Support	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 1.229	- / 1.542	- / 1.119	- / -	- / 3.890
Subtotal: Recurring	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 7.870	- / 8.469	- / 1.431	- / -	- / 17.770
Subtotal: Cross Domain Solution Network Interface	- / -	- / -	- / -	- / -	- / -	- / -	- / -	100 / 7.870	99 / 8.469	- / 1.431	- / -	199 / 17.770
Subtotal: Procurement, All Modification Items	225 / 302.388	39 / 27.503	81 / 43.914	59 / 42.791	- / -	59 / 42.791	255 / 46.567	140 / 37.616	141 / 39.936	55 / 41.559	35 / 29.734	1,030 / 612.008
Installation												
Modification Item 1 of 6: Improved Sentinel	119 / 3.859	24 / 0.311	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	143 / 4.170
Modification Item 2 of 6: TPX-57 (Mode 5 IFF)	0 / 0.000	28 / 0.169	64 / 0.391	51 / 0.317	- / -	51 / 0.317	- / -	- / -	- / -	- / -	- / -	143 / 0.877
Modification Item 3 of 6: Common Platform Upgrade	0 / 0.000	- / -	- / -	27 / 0.177	- / -	27 / 0.177	64 / 0.412	47 / 0.310	9 / 0.069	- / -	- / -	147 / 0.968

UNCLASSIFIED

Exhibit P-3a, Individual Modification: PB 2016 Army **Date:** February 2015

Appropriation / Budget Activity / Budget Sub Activity: 2035A / 02 / 86	P-1 Line Item Number / Title: WK5057 / Sentinel Mods	Modification Number / Title: WK5057 / Sentinel Mods
--	--	---

Models of Systems Affected: Sentinel [AN/MPQ-64] **Modification Type:** Operational **Related RDT&E PEs:**

Financial Plan	Prior Years	FY 2014	FY 2015	FY 2016 Base	FY 2016 OCO	FY 2016 Total	FY 2017	FY 2018	FY 2019	FY 2020	To Complete	Total
	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)
<i>Modification Item 4 of 6:</i> Electronic Attack/Electronic Protect	0 / 0.000	- / -	- / -	- / -	- / -	- / -	- / -	100 / 0.644	99 / 0.649	- / -	- / -	199 / 1.293
<i>Modification Item 5 of 6:</i> Signal Data Processor/North Finding Module Upgrade	0 / 0.000	- / -	- / -	- / -	- / -	- / -	- / -	24 / 0.157	27 / 0.178	40 / 0.268	108 / 0.640	199 / 1.243
<i>Modification Item 6 of 6:</i> Cross Domain Solution Network Interface	0 / 0.000	- / -	- / -	- / -	- / -	- / -	- / -	- / -	100 / 0.652	99 / 0.657	- / -	199 / 1.309
<i>Subtotal: Installation</i>	119 / 3.859	52 / 0.480	64 / 0.391	78 / 0.494	- / -	78 / 0.494	64 / 0.412	171 / 1.111	235 / 1.548	139 / 0.925	108 / 0.640	1,030 / 9.860
Total												
Total Cost (Procurement + Support + Installation)	306.247	27.983	44.305	43.285	-	43.285	46.979	38.727	41.484	42.484	30.374	621.868

UNCLASSIFIED

Exhibit P-3a, Individual Modification: PB 2016 Army		Date: February 2015
Appropriation / Budget Activity / Budget Sub Activity: 2035A / 02 / 86	P-1 Line Item Number / Title: WK5057 / Sentinel Mods	Modification Number / Title: WK5057 / Sentinel Mods

Modification Item 1 of 6: Improved Sentinel

Manufacturer Information

Manufacturer Name: Thales Raytheon Systems	Manufacturer Location: Fullerton, CA
Administrative Leadtime (in Months): 7	Production Leadtime (in Months): 21

	FY 2014	FY 2015	FY 2016	FY 2017	FY 2018	FY 2019	FY 2020
Contract Dates							
Delivery Dates							

Installation Information

Method of Implementation: Contractor Facility

Installation Cost	Prior Years	FY 2014	FY 2015	FY 2016 Base	FY 2016 OCO	FY 2016 Total	FY 2017	FY 2018	FY 2019	FY 2020	To Complete	Total
	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)
Prior Years	119 / 3.859	24 / 0.311	- / 0.000	- / 0.000	- / -	- / 0.000	- / 0.000	- / 0.000	- / 0.000	- / 0.000	- / 0.000	143 / 4.170
FY 2014	0 / 0.000	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2015	0 / 0.000	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2016	0 / 0.000	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2017	0 / 0.000	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2018	0 / 0.000	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2019	0 / 0.000	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2020	0 / 0.000	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
To Complete	0 / 0.000	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
Total	119 / 3.859	24 / 0.311	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	143 / 4.170

Installation Schedule

	PYS	FY 2014				FY 2015				FY 2016				FY 2017				FY 2018				FY 2019				FY 2020				TC	Tot
		Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4		
In	136	6	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	143
Out	119	8	8	4	4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	143	

UNCLASSIFIED

Exhibit P-3a, Individual Modification: PB 2016 Army		Date: February 2015
Appropriation / Budget Activity / Budget Sub Activity: 2035A / 02 / 86	P-1 Line Item Number / Title: WK5057 / Sentinel Mods	Modification Number / Title: WK5057 / Sentinel Mods

Modification Item 2 of 6: TPX-57 (Mode 5 IFF)

Manufacturer Information

Manufacturer Name: Thales Raytheon Systems	Manufacturer Location: Fullerton, CA
Administrative Leadtime (in Months): 6	Production Leadtime (in Months): 12

Dates	FY 2014	FY 2015	FY 2016	FY 2017	FY 2018	FY 2019	FY 2020
Contract Dates	Jan 2014	Jan 2015					
Delivery Dates	Jan 2015	Jan 2016					

Installation Information

Method of Implementation: Contractor Field Team

Installation Cost	Prior Years	FY 2014	FY 2015	FY 2016 Base	FY 2016 OCO	FY 2016 Total	FY 2017	FY 2018	FY 2019	FY 2020	To Complete	Total
	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)
Prior Years	0 / 0.000	28 / 0.169	40 / 0.244	14 / 0.087	- / -	14 / 0.087	- / 0.000	- / 0.000	- / 0.000	- / 0.000	- / 0.000	82 / 0.500
FY 2014	0 / 0.000	- / -	24 / 0.147	15 / 0.093	- / -	15 / 0.093	- / -	- / -	- / -	- / -	- / -	39 / 0.240
FY 2015	0 / 0.000	- / -	- / -	22 / 0.137	- / -	22 / 0.137	- / -	- / -	- / -	- / -	- / -	22 / 0.137
FY 2016	0 / 0.000	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2017	0 / 0.000	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2018	0 / 0.000	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2019	0 / 0.000	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2020	0 / 0.000	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
To Complete	0 / 0.000	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
Total	0 / 0.000	28 / 0.169	64 / 0.391	51 / 0.317	- / -	51 / 0.317	- / -	- / -	- / -	- / -	- / -	143 / 0.877

Installation Schedule

	PYS	FY 2014				FY 2015				FY 2016				FY 2017				FY 2018				FY 2019				FY 2020				TC	Tot	
		Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4			
In	-	-	2	14	12	10	18	18	18	18	22	11	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	143
Out	-	-	2	14	12	10	18	18	18	18	22	11	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	143

UNCLASSIFIED

Exhibit P-3a, Individual Modification: PB 2016 Army		Date: February 2015
Appropriation / Budget Activity / Budget Sub Activity: 2035A / 02 / 86	P-1 Line Item Number / Title: WK5057 / Sentinel Mods	Modification Number / Title: WK5057 / Sentinel Mods

Modification Item 3 of 6: Common Platform Upgrade

Manufacturer Information

Manufacturer Name: Letterkenny Army Depot	Manufacturer Location: Chambersburg, PA
Administrative Leadtime (in Months): 3	Production Leadtime (in Months): 15

Dates	FY 2014	FY 2015	FY 2016	FY 2017	FY 2018	FY 2019	FY 2020
Contract Dates		Mar 2015	Jan 2016	Jan 2017	Jan 2018		
Delivery Dates		Apr 2016	Apr 2017	Apr 2018	Apr 2019		

Installation Information

Method of Implementation: Depot

Installation Cost	Prior Years	FY 2014	FY 2015	FY 2016 Base	FY 2016 OCO	FY 2016 Total	FY 2017	FY 2018	FY 2019	FY 2020	To Complete	Total
	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)
Prior Years	0 / 0.000	- / 0.000	- / 0.000	- / 0.000	- / -	- / 0.000	- / 0.000	- / 0.000	- / 0.000	- / 0.000	- / 0.000	- / 0.000
FY 2014	0 / 0.000	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2015	0 / 0.000	- / -	- / -	27 / 0.177	- / -	27 / 0.177	32 / 0.206	- / -	- / -	- / -	- / -	59 / 0.383
FY 2016	0 / 0.000	- / -	- / -	- / -	- / -	- / -	32 / 0.206	27 / 0.178	- / -	- / -	- / -	59 / 0.384
FY 2017	0 / 0.000	- / -	- / -	- / -	- / -	- / -	- / -	20 / 0.132	9 / 0.069	- / -	- / -	29 / 0.201
FY 2018	0 / 0.000	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2019	0 / 0.000	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2020	0 / 0.000	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
To Complete	0 / 0.000	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
Total	0 / 0.000	- / -	- / -	27 / 0.177	- / -	27 / 0.177	64 / 0.412	47 / 0.310	9 / 0.069	- / -	- / -	147 / 0.968

Installation Schedule

	PYS	FY 2014				FY 2015				FY 2016				FY 2017				FY 2018				FY 2019				FY 2020				TC	Tot				
		Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4						
In	-	-	-	-	-	-	-	-	-	-	-	12	15	16	16	16	16	16	11	10	10	9	-	-	-	-	-	-	-	-	-	-	-	-	-
Out	-	-	-	-	-	-	-	-	-	-	-	12	15	16	16	16	16	16	11	10	10	9	-	-	-	-	-	-	-	-	-	-	-	-	-

UNCLASSIFIED

Exhibit P-3a, Individual Modification: PB 2016 Army		Date: February 2015
Appropriation / Budget Activity / Budget Sub Activity: 2035A / 02 / 86	P-1 Line Item Number / Title: WK5057 / Sentinel Mods	Modification Number / Title: WK5057 / Sentinel Mods

Modification Item 4 of 6: Electronic Attack/Electronic Protect

Manufacturer Information

Manufacturer Name: Thales Raytheon Systems	Manufacturer Location: Fullerton, CA
Administrative Leadtime (in Months): 3	Production Leadtime (in Months): 15

Dates	FY 2014	FY 2015	FY 2016	FY 2017	FY 2018	FY 2019	FY 2020
Contract Dates				Jan 2017	Jan 2018		
Delivery Dates				Apr 2018	Apr 2019		

Installation Information

Method of Implementation: Contractor Field Team

Installation Cost	Prior Years	FY 2014	FY 2015	FY 2016 Base	FY 2016 OCO	FY 2016 Total	FY 2017	FY 2018	FY 2019	FY 2020	To Complete	Total
	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)
Prior Years	0 / 0.000	- / 0.000	- / 0.000	- / 0.000	- / -	- / 0.000	- / 0.000	- / 0.000	- / 0.000	- / 0.000	- / 0.000	- / 0.000
FY 2014	0 / 0.000	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2015	0 / 0.000	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2016	0 / 0.000	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2017	0 / 0.000	- / -	- / -	- / -	- / -	- / -	- / -	100 / 0.644	99 / 0.649	- / -	- / -	199 / 1.293
FY 2018	0 / 0.000	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2019	0 / 0.000	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2020	0 / 0.000	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
To Complete	0 / 0.000	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
Total	0 / 0.000	- / -	- / -	- / -	- / -	- / -	- / -	100 / 0.644	99 / 0.649	- / -	- / -	199 / 1.293

Installation Schedule

	PYS	FY 2014				FY 2015				FY 2016				FY 2017				FY 2018				FY 2019				FY 2020				TC	Tot
		Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4		
In	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	50	50	50	49	-	-	-	-	-	-	-	199
Out	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	50	50	50	49	-	-	-	-	-	-	-	199

UNCLASSIFIED

Exhibit P-3a, Individual Modification: PB 2016 Army		Date: February 2015
Appropriation / Budget Activity / Budget Sub Activity: 2035A / 02 / 86	P-1 Line Item Number / Title: WK5057 / Sentinel Mods	Modification Number / Title: WK5057 / Sentinel Mods

Modification Item 5 of 6: Signal Data Processor/North Finding Module Upgrade

Manufacturer Information

Manufacturer Name: Thales Raytheon Systems	Manufacturer Location: Fullerton, CA
Administrative Leadtime (in Months): 3	Production Leadtime (in Months): 15

Dates	FY 2014	FY 2015	FY 2016	FY 2017	FY 2018	FY 2019	FY 2020
Contract Dates				Jan 2017	Jan 2018	Jan 2019	Jan 2020
Delivery Dates				Apr 2018	Apr 2019	Apr 2020	Apr 2021

Installation Information

Method of Implementation: Contractor Field Team

Installation Cost	Prior Years	FY 2014	FY 2015	FY 2016 Base	FY 2016 OCO	FY 2016 Total	FY 2017	FY 2018	FY 2019	FY 2020	To Complete	Total
	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)
Prior Years	0 / 0.000	- / 0.000	- / 0.000	- / 0.000	- / -	- / 0.000	- / 0.000	- / 0.000	- / 0.000	- / 0.000	- / 0.000	- / 0.000
FY 2014	0 / 0.000	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2015	0 / 0.000	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2016	0 / 0.000	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2017	0 / 0.000	- / -	- / -	- / -	- / -	- / -	- / -	24 / 0.157	3 / 0.020	- / -	- / -	27 / 0.177
FY 2018	0 / 0.000	- / -	- / -	- / -	- / -	- / -	- / -	- / -	24 / 0.158	16 / 0.107	- / -	40 / 0.265
FY 2019	0 / 0.000	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	24 / 0.161	18 / 0.107	42 / 0.268
FY 2020	0 / 0.000	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	55 / 0.326	55 / 0.326
To Complete	0 / 0.000	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	35 / 0.207	35 / 0.207
Total	0 / 0.000	- / -	- / -	- / -	- / -	- / -	- / -	24 / 0.157	27 / 0.178	40 / 0.268	108 / 0.640	199 / 1.243

Installation Schedule

	PYS	FY 2014				FY 2015				FY 2016				FY 2017				FY 2018				FY 2019				FY 2020				TC	Tot
		Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4		
In	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	12	12	3	-	12	12	8	8	12	12	108	199
Out	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	12	12	3	-	12	12	8	8	12	12	108	199

UNCLASSIFIED

Exhibit P-3a, Individual Modification: PB 2016 Army		Date: February 2015
Appropriation / Budget Activity / Budget Sub Activity: 2035A / 02 / 86	P-1 Line Item Number / Title: WK5057 / Sentinel Mods	Modification Number / Title: WK5057 / Sentinel Mods

Modification Item 6 of 6: Cross Domain Solution Network Interface

Manufacturer Information

Manufacturer Name: Thales Raytheon Systems	Manufacturer Location: Fullerton, CA
Administrative Leadtime (in Months): 3	Production Leadtime (in Months): 15

Dates	FY 2014	FY 2015	FY 2016	FY 2017	FY 2018	FY 2019	FY 2020
Contract Dates					Jan 2018	Jan 2019	
Delivery Dates					Apr 2019	Apr 2020	

Installation Information

Method of Implementation: Contractor Field Team

Installation Cost	Prior Years	FY 2014	FY 2015	FY 2016 Base	FY 2016 OCO	FY 2016 Total	FY 2017	FY 2018	FY 2019	FY 2020	To Complete	Total
	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)
Prior Years	0 / 0.000	- / 0.000	- / 0.000	- / 0.000	- / -	- / 0.000	- / 0.000	- / 0.000	- / 0.000	- / 0.000	- / 0.000	- / 0.000
FY 2014	0 / 0.000	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2015	0 / 0.000	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2016	0 / 0.000	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2017	0 / 0.000	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2018	0 / 0.000	- / -	- / -	- / -	- / -	- / -	- / -	- / -	100 / 0.652	- / -	- / -	100 / 0.652
FY 2019	0 / 0.000	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	99 / 0.657	- / -	99 / 0.657
FY 2020	0 / 0.000	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
To Complete	0 / 0.000	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
Total	0 / 0.000	- / -	- / -	- / -	- / -	- / -	- / -	- / -	100 / 0.652	99 / 0.657	- / -	199 / 1.309

Installation Schedule

	PYS	FY 2014				FY 2015				FY 2016				FY 2017				FY 2018				FY 2019				FY 2020				TC	Tot
		Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4		
In	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	50	50	-	-	50	49	-	199
Out	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	50	50	-	-	50	49	-	199

UNCLASSIFIED

Exhibit P-40, Budget Line Item Justification: PB 2016 Army **Date:** February 2015

Appropriation / Budget Activity / Budget Sub Activity: 2035A: Other Procurement, Army / BA 02: Communications and Electronics Equipment / BSA 86: Elect Equip - Tactical Surv. (Tac Surv)	P-1 Line Item Number / Title: KA3500 / Night Vision Devices
--	---

Resource Summary	Prior Years	Program Elements for Code B Items:					Other Related Program Elements:					
		FY 2014	FY 2015	FY 2016 Base	FY 2016 OCO	FY 2016 Total	FY 2017	FY 2018	FY 2019	FY 2020	To Complete	Total
Procurement Quantity (Units in Each)	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Cost (\$ in Millions)	2,679.705	153.993	138.601	124.216	-	124.216	168.069	148.115	96.442	113.270	Continuing	Continuing
Less PY Advance Procurement (\$ in Millions)	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P1) (\$ in Millions)	2,679.705	153.993	138.601	124.216	-	124.216	168.069	148.115	96.442	113.270	Continuing	Continuing
Plus CY Advance Procurement (\$ in Millions)	-	-	-	-	-	-	-	-	-	-	-	-
Total Obligation Authority (\$ in Millions)	2,679.705	153.993	138.601	124.216	-	124.216	168.069	148.115	96.442	113.270	Continuing	Continuing
<i>(The following Resource Summary rows are for informational purposes only. The corresponding budget requests are documented elsewhere.)</i>												
Initial Spares (\$ in Millions)	-	-	-	-	-	-	-	-	-	-	-	-
Flyaway Unit Cost (\$ in Thousands)	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Unit Cost (\$ in Thousands)	-	-	-	18.886	-	18.886	-	-	-	-	Continuing	Continuing

Description:

Night Vision Devices (KA3500) is a summary budget line including the following programs:

- (1) K36400 - The AN/PSQ-20 Enhanced Night Vision Goggle (ENVG) is a lightweight, helmet mounted device that expands a Soldier's Situational Awareness (SA) and lethality by fusing image intensification and long wave infrared into a single, integrated image. Adversaries currently have access to image intensified night vision goggle technology, but not a fused system. The ENVG enables superior combat overmatch capability. The ENVG provides dismounted Brigade Combat Team Warfighters the capability to observe and maneuver in all weather conditions, through obscurants, during limited visibility, and under all lighting conditions including total darkness while enabling rapid detection and engagement with rifle-mounted aiming lasers. The AN/PVS-14 Monocular Night Vision Device (MNVD) is a head or helmet mounted image intensification device that provides Soldiers with the ability to perform night operations. The AN/PSQ-20 and AN/PVS-14 support the tactical level of war; enabling the individual Soldier to see, understand, and act first; permitting superior tactical mobility and decisive engagement during limited visibility conditions.
- (2) K35000 - The Multi-Function Aiming Light (MFAL) is a family of multifunctional infrared and visible laser devices used by Soldiers for accurate weapon aiming or to point out targets and other items of interest. In FY 2018 and beyond, funding in this program procures Pre-shot Threat Detection(PTD) systems. The PTD is designed to detect and locate optical scopes used by snipers or optronic sight systems on the battlefield or urban zones.
- (3) B53800 - This program provides funding to procure Commercial Off the Shelf (COTS) Laser Target Locators (LTL). There are two generations of LTLs. Generation I systems are the Laser Target Locator Systems (LTLS). Generation II systems are the Laser Target Locator Modules (LTLM) and are currently being procured and fielded. The LTLM is a lightweight, handheld, laser target locator with day and thermal sight capability as well as an internal Global Positioning System (GPS) receiver. LTLM provides the dismounted observer or Scout a fully digital, handheld system to accurately determine target location and the ability of call for fire during all weather and lighting conditions. LTLM improves speed, accuracy, and safety of use over Generation I systems.
- (4) K41500 - The Clip-on Sniper Night Sight (SNS), AN/PVS-30 for the M110 Semi-Automatic Sniper System (SASS) and XM2010 Enhanced Sniper Rifle (ESR) utilizes passive third generation image intensification technology for night operations. The Clip-on SNS supports the tactical level of war enabling the individual Sniper to see, understand, and act first. The Clip-on SNS provides the Sniper with the capability to acquire and engage targets at extended ranges and eliminate threat Snipers, materiel, and thin skinned armored vehicle targets under low light and night conditions, thus increasing the Sniper's survivability and lethality. Funding beginning in FY 2019 supports the procurement of the Family of Weapon Sights-Sniper (FWS-S) variant, which utilize advances in thermal and image intensification technology to provide a sniper weapon sight operable in line with a day optic sight or in a stand-alone mode. The FWS-S includes fused multi-band imagery and rapid target acquisition with ballistic equations providing the Sniper with improved capabilities during day and night operations.
- (5) K50400 - The TS-3895A provides performance testing for AN/AVS-6, AN/PVS-5 series and AN/PVS-7 series night goggles on a go/no go basis. It is intended for use at intermediate maintenance levels combined with an attachment kit commodes of a collimation attachment and a diopter scope, it can also be used for adjustment of NVGs during disassembly and repair. It allows the individual Warfighter to perform a wide variety of tasks at night; these tasks include flight operations on various platforms, walking, operating vehicles, surveillance, map reading, maintenance, first aid operation, and engaging enemy targets with direct rifle fire.

UNCLASSIFIED

Exhibit P-40, Budget Line Item Justification: PB 2016 Army **Date:** February 2015

Appropriation / Budget Activity / Budget Sub Activity: 2035A: Other Procurement, Army / BA 02: Communications and Electronics Equipment / BSA 86: Elect Equip - Tactical Surv. (Tac Surv)	P-1 Line Item Number / Title: KA3500 / Night Vision Devices
--	---

ID Code (A=Service Ready, B=Not Service Ready) :	Program Elements for Code B Items:	Other Related Program Elements:
---	---	--

(6) 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 tactical movement of combat vehicles in support of their operational missions in all environmental conditions (day/night and all weather). DVE facilitates mobility providing enhanced driving capability during limited visibility conditions (darkness, smoke, dust, and fog).

Secondary Distribution		FY 2014	FY 2015	FY 2016 Base	FY 2016 OCO	FY 2016 Total	FY 2017	FY 2018	FY 2019	FY 2020
Army	Quantity	-	-	-	-	-	-	-	-	-
	Total Obligation Authority	153.993	54.531	53.193	-	53.193	103.375	95.424	81.822	91.465
ANG	Quantity	-	-	-	-	-	-	-	-	-
	Total Obligation Authority	-	62.120	70.057	-	70.057	63.743	52.691	14.620	21.805
AR	Quantity	-	-	-	-	-	-	-	-	-
	Total Obligation Authority	-	21.950	0.966	-	0.966	0.951	-	-	-
Total: Secondary Distribution	Quantity	-	-	-	-	-	-	-	-	-
	Total Obligation Authority	153.993	138.601	124.216	-	124.216	168.069	148.115	96.442	113.270

UNCLASSIFIED

Exhibit P-40, Budget Line Item Justification: PB 2016 Army **Date:** February 2015

Appropriation / Budget Activity / Budget Sub Activity: 2035A: Other Procurement, Army / BA 02: Communications and Electronics Equipment / BSA 86: Elect Equip - Tactical Surv. (Tac Surv)	P-1 Line Item Number / Title: KA3500 / Night Vision Devices
---	---

ID Code (A=Service Ready, B=Not Service Ready) :			Program Elements for Code B Items:			Other Related Program Elements:		
Exhibits Schedule			Prior Years	FY 2014	FY 2015	FY 2016 Base	FY 2016 OCO	FY 2016 Total
Title*	Exhibits	ID CD	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)
B53800 / Laser Target Locator Systems	P-5, P-5a, P-21		- / 839.557	- / 41.178	- / 4.236	- / 26.248	- / -	- / 26.248
K31300 / DRIVER VISION ENHANCER (DVE)	P-40a	A	- / 199.351	- / 1.634	- / -	- / -	- / -	- / -
K50400 / TEST SET AVIATORS NIGHT VISION IMAGING TS-3895/UV	P-40a		- / -	- / 1.633	- / -	- / -	- / -	- / -
K36400 / Helmet Mounted Enhanced Vision Devices	P-5, P-5a, P-21		- / 336.959	- / 109.548	- / 134.365	- / 97.968	- / -	- / 97.968
Total Gross/Weapon System Cost			- / 2,679.705	- / 153.993	- / 138.601	- / 124.216	- / -	- / 124.216

*Title represents 1) the Number / Title for Items; 2) the Number / Title [DODIC] for Ammunition; and/or 3) the Number / Title (Modification Type) for Modifications.
 Note: Totals in this Exhibit P-40 set may not be exact or add due to rounding.

Justification:
 FY 2016 Base procurement dollars in the amount of \$124.216 million supports the purchase of 6,002 Enhanced Night Vision Goggles, 524 Laser Target Location Modules, and associated fielding costs.
 The FY 2016 funding request was reduced by \$29.345 million to account for the availability of prior year execution balances.
 In accordance with Section 1815 of the FY 2008 National Defense Authorization Act (P.L. 110-181), this item is necessary for use by the active and reserve components of the Armed Forces for homeland defense missions, domestic emergency responses, and providing military support to civil authorities.

UNCLASSIFIED

Exhibit P-5, Cost Analysis: PB 2016 Army		Date: February 2015
Appropriation / Budget Activity / Budget Sub Activity: 2035A / 02 / 86	P-1 Line Item Number / Title: KA3500 / Night Vision Devices	Item Number / Title [DODIC]: B53800 / Laser Target Locator Systems

ID Code (A=Service Ready, B=Not Service Ready) :	MDAP/MAIS Code:
---	------------------------

Resource Summary	Prior Years	FY 2014	FY 2015	FY 2016 Base	FY 2016 OCO	FY 2016 Total
Procurement Quantity (Units in Each)	-	-	-	-	-	-
Gross/Weapon System Cost (\$ in Millions)	839.557	41.178	4.236	26.248	-	26.248
Less PY Advance Procurement (\$ in Millions)	-	-	-	-	-	-
Net Procurement (P1) (\$ in Millions)	839.557	41.178	4.236	26.248	-	26.248
Plus CY Advance Procurement (\$ in Millions)	-	-	-	-	-	-
Total Obligation Authority (\$ in Millions)	839.557	41.178	4.236	26.248	-	26.248

(The following Resource Summary rows are for informational purposes only. The corresponding budget requests are documented elsewhere.)

Initial Spares (\$ in Millions)	-	-	-	-	-	-
Gross/Weapon System Unit Cost (\$ in Thousands)	-	-	-	45.649	-	45.649

Note: Subtotals or Totals in this Exhibit P-5 may not be exact or add, due to rounding.

Cost Elements	Prior Years			FY 2014			FY 2015			FY 2016 Base			FY 2016 OCO			FY 2016 Total		
	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)
Hardware Cost																		
Recurring Cost																		
Laser Target Locator ^(†)	34.880	23,280	811.997	34.294	633	21.708	-	-	-	42.508	524	22.274	-	-	-	42.508	524	22.274
Tripods	-	-	-	-	-	6.096	-	-	-	-	-	-	-	-	-	-	-	-
Project Management	-	-	11.740	-	-	9.175	-	-	2.000	-	-	2.000	-	-	-	-	-	2.000
Systems Engineering Support	-	-	5.370	-	-	2.271	-	-	2.159	-	-	1.913	-	-	-	-	-	1.913
Engineering Change Proposal	-	-	7.030	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Fielding	-	-	3.411	-	-	0.098	-	-	0.077	-	-	0.061	-	-	-	-	-	0.061
Laser Equipment	-	-	-	-	-	1.830	-	-	-	-	-	-	-	-	-	-	-	-
<i>Subtotal: Recurring Cost</i>	-	-	839.557	-	-	41.178	-	-	4.236	-	-	26.248	-	-	-	-	-	26.248
<i>Subtotal: Hardware Cost</i>	-	-	839.557	-	-	41.178	-	-	4.236	-	-	26.248	-	-	-	-	-	26.248
Gross/Weapon System Cost	-	-	839.557	-	-	41.178	-	-	4.236	45.649	-	26.248	-	-	-	45.649	-	26.248

Secondary Distribution		FY 2014	FY 2015	FY 2016 Base	FY 2016 OCO	FY 2016 Total
Army	Quantity	-	-	-	-	-
	Total Obligation Authority	41.178	4.236	16.939	-	16.939
ANG	Quantity	-	-	-	-	-
	Total Obligation Authority	-	-	8.343	-	8.343

UNCLASSIFIED

Exhibit P-5, Cost Analysis: PB 2016 Army **Date:** February 2015

Appropriation / Budget Activity / Budget Sub Activity: 2035A / 02 / 86	P-1 Line Item Number / Title: KA3500 / Night Vision Devices	Item Number / Title [DODIC]: B53800 / Laser Target Locator Systems
--	---	--

ID Code (A=Service Ready, B=Not Service Ready) :	MDAP/MAIS Code:
---	------------------------

Secondary Distribution		FY 2014	FY 2015	FY 2016 Base	FY 2016 OCO	FY 2016 Total
AR	Quantity	-	-	-	-	-
	Total Obligation Authority	-	-	0.966	-	0.966
Total: Secondary Distribution	Quantity	-	-	-	-	-
	Total Obligation Authority	41.178	4.236	26.248	-	26.248

(t) indicates the presence of a P-5a

UNCLASSIFIED

Exhibit P-5a, Procurement History and Planning: PB 2016 Army **Date:** February 2015

Appropriation / Budget Activity / Budget Sub Activity: 2035A / 02 / 86	P-1 Line Item Number / Title: KA3500 / Night Vision Devices	Item Number / Title [DODIC]: B53800 / Laser Target Locator Systems
--	---	--

Cost Elements	O C O	FY	Contractor and Location	Method/Type or Funding Vehicle	Location of PCO	Award Date	Date of First Delivery	Qty <i>(Each)</i>	Unit Cost <i>(\$ K)</i>	Specs Avail Now?	Date Revision Available	RFP Issue Date
Laser Target Locator ^(†)		2014	TBS / TBD	C / IDIQ	ACC APG	Nov 2015	Nov 2016	633	34.294	N		
Laser Target Locator ^(†)		2016	TBS / TBD	C / IDIQ	ACC APG	May 2016	Jan 2017	524	42.508	N		

^(†) indicates the presence of a P-21

Remarks:

Each delivery order made under these contracts is competed among the 2 manufacturers on the basis of best cost, available schedule, and performance. Therefore, a determination of the quantity per manufacturer to be awarded to each is made after reviewing this information at the time of each delivery order. (Unit Costs are weighted averages).

A new contract will be awarded in FY16 to continue procurement of a smaller, lighter, and lower-cost LTL. However, the initial start-up costs (qualification, etc) will result in an increase in unit cost for the first year.

UNCLASSIFIED

Exhibit P-21, Production Schedule: PB 2016 Army **Date:** February 2015

Appropriation / Budget Activity / Budget Sub Activity: 2035A / 02 / 86 **P-1 Line Item Number / Title:** KA3500 / Night Vision Devices **Item Number / Title [DODIC]:** B53800 / Laser Target Locator Systems

Cost Elements <i>(Units in Each)</i>						Fiscal Year 2016												Fiscal Year 2017													
O C C O	M F R #	FY	SERVICE	PROC QTY	ACCEP T P R I O R T O 1 O C T 2 0 1 5	BAL D U E A S O F 1 O C T	Calendar Year 2016												Calendar Year 2017												
							O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	B A L
Laser Target Locator																															
Prior Years Deliveries: 23280																															
1	2014	ARMY (V)	633	-	633		A	-	-	-	-	-	-	-	-	-	-	-	20	30	40	50	60	60	60	60	63	63	63	64	
1	2016	ARMY (VI)	524	-	524								A	-	-	-	-	-	-	-	44	44	44	44	44	44	44	44	43	129	
							O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	B A L

UNCLASSIFIED

Exhibit P-21, Production Schedule: PB 2016 Army **Date:** February 2015

Appropriation / Budget Activity / Budget Sub Activity: 2035A / 02 / 86	P-1 Line Item Number / Title: KA3500 / Night Vision Devices	Item Number / Title [DODIC]: B53800 / Laser Target Locator Systems
--	---	--

Cost Elements <i>(Units in Each)</i>						Fiscal Year 2018												Fiscal Year 2019													
O C C #	M F R #	FY	SERVICE	PROC QTY	ACCEPT PRIOR TO 1 OCT 2017	BAL DUE AS OF 1 OCT	Calendar Year 2018												Calendar Year 2019												
							O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	B A L
Laser Target Locator																															
Prior Years Deliveries: 23280																															
1		2014	ARMY (V)	633	569	64	64																						-		
1		2016	ARMY (VI)	524	395	129	43	43	43																				-		
							O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	B A L

UNCLASSIFIED

Exhibit P-21, Production Schedule: PB 2016 Army								Date: February 2015				
Appropriation / Budget Activity / Budget Sub Activity: 2035A / 02 / 86				P-1 Line Item Number / Title: KA3500 / Night Vision Devices				Item Number / Title [DODIC]: B53800 / Laser Target Locator Systems				
		Production Rates (Each / Month)			Procurement Leadtime (Months)							
MFR Ref #	MFR Name - Location	MSR For 2016	1-8-5 For 2016	MAX For 2016	Initial			Reorder				
					ALT Prior to Oct 1	ALT After Oct 1	Mfg PLT	Total After Oct 1	ALT Prior to Oct 1	ALT After Oct 1	Mfg PLT	Total After Oct 1
1	TBS - TBD	35	40	200	2	4	12	16	2	2	6	8

"A" in the Delivery Schedule indicates the Contract Award Date.

Note: Due to space limitations, quantities in the Exhibit P-21 delivery calendar are truncated and rounded based on the maximum quantity in the calendar as follows. If the maximum quantity is less than or equal to than 9,999, all quantities are shown as each. If the maximum quantity is between 10,000 and 999,999 all quantities are shown in thousands. If the maximum quantity is between 1,000,000 and 999,999,999 all quantities are shown in millions (rounded to the nearest thousand). If the maximum quantity is equal or greater than 1,000,000,000 all quantities are shown in billions (rounded to the nearest million).

Service/Agency Suffixes:

(V) BASE

(VI) BASE

UNCLASSIFIED

Exhibit P-40a, Budget Item Justification For Aggregated Items: PB 2016 Army															Date: February 2015				
Appropriation / Budget Activity / Budget Sub Activity: 2035A / 02 / 86								P-1 Line Item Number / Title: KA3500 / Night Vision Devices							Aggregated Items Title: Various				

Note: Subtotals or Totals in this Exhibit P-40a may not be exact or add, due to rounding.

Item Number / Title [DODIC]	ID CD	MDAP/MAIS Code	Prior Years			FY 2014			FY 2015			FY 2016 Base			FY 2016 OCO			FY 2016 Total		
			Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)
DRIVER VISION ENHANCER (DVE)																				
K31300 / DRIVER VISION ENHANCER (DVE)	A		-	-	199.351	-	-	1.634	-	-	-	-	-	-	-	-	-	-	-	-
<i>Secondary Distribution</i>																				
Army			-	-	-	-	-	1.634	-	-	-	-	-	-	-	-	-	-	-	-
K50400 / TEST SET AVIATORS NIGHT VISION IMAGING TS-3895/UV			-	-	-	-	-	1.633	-	-	-	-	-	-	-	-	-	-	-	-
<i>Secondary Distribution</i>																				
Army			-	-	-	-	-	1.633	-	-	-	-	-	-	-	-	-	-	-	-
<i>Subtotal: DRIVER VISION ENHANCER (DVE)</i>			-	-	199.351	-	-	3.267	-	-	-	-	-	-	-	-	-	-	-	-
Total			-	-	199.351	-	-	3.267	-	-	-	-	-	-	-	-	-	-	-	-

UNCLASSIFIED

Exhibit P-5, Cost Analysis: PB 2016 Army		Date: February 2015
Appropriation / Budget Activity / Budget Sub Activity: 2035A / 02 / 86	P-1 Line Item Number / Title: KA3500 / Night Vision Devices	Item Number / Title [DODIC]: K36400 / Helmet Mounted Enhanced Vision Devices

ID Code (A=Service Ready, B=Not Service Ready) :	MDAP/MAIS Code:
---	------------------------

Resource Summary	Prior Years	FY 2014	FY 2015	FY 2016 Base	FY 2016 OCO	FY 2016 Total
Procurement Quantity (Units in Each)	-	-	-	-	-	-
Gross/Weapon System Cost (\$ in Millions)	336.959	109.548	134.365	97.968	-	97.968
Less PY Advance Procurement (\$ in Millions)	-	-	-	-	-	-
Net Procurement (P1) (\$ in Millions)	336.959	109.548	134.365	97.968	-	97.968
Plus CY Advance Procurement (\$ in Millions)	-	-	-	-	-	-
Total Obligation Authority (\$ in Millions)	336.959	109.548	134.365	97.968	-	97.968

(The following Resource Summary rows are for informational purposes only. The corresponding budget requests are documented elsewhere.)

Initial Spares (\$ in Millions)	-	-	-	-	-	-
Gross/Weapon System Unit Cost (\$ in Thousands)	-	-	-	16.323	-	16.323

Note: Subtotals or Totals in this Exhibit P-5 may not be exact or add, due to rounding.

Cost Elements	Prior Years			FY 2014			FY 2015			FY 2016 Base			FY 2016 OCO			FY 2016 Total		
	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)
Flyaway Cost																		
Recurring Cost																		
AN/PSQ-20 (ENVG II) ^(†)	13.068	21,891	286.073	12.020	921	11.070	12.020	2,439	29.317	-	-	-	-	-	-	-	-	-
I2 Tubes	-	-	-	-	-	8.281	-	-	9.969	-	-	18.443	-	-	-	-	-	18.443
AN/PSQ-20 (ENVG III) Qual Systems ^(†)	-	-	-	28.943	1,420	41.099	-	-	-	-	-	-	-	-	-	-	-	-
AN/PSQ-20 (ENVG III) ^(†)	-	-	-	9.408	2,974	27.980	9.408	6,746	63.467	9.408	6,002	56.467	-	-	-	9.408	6,002	56.467
Engineering Change (Interoperability)	-	-	-	-	-	-	-	-	6.006	-	-	1.202	-	-	-	-	-	1.202
Engineering Support	-	-	10.970	-	-	1.355	-	-	1.466	-	-	1.517	-	-	-	-	-	1.517
Project Management Admin	-	-	20.369	-	-	4.301	-	-	6.574	-	-	6.705	-	-	-	-	-	6.705
Fielding	-	-	10.783	-	-	9.167	-	-	11.761	-	-	10.483	-	-	-	-	-	10.483
Ancillary Support	-	-	8.683	-	-	2.841	-	-	3.074	-	-	3.151	-	-	-	-	-	3.151
Contract Data Requirements Lists	-	-	0.082	-	-	3.454	-	-	2.731	-	-	-	-	-	-	-	-	-
Subtotal: Recurring Cost	-	-	336.959	-	-	109.548	-	-	134.364	-	-	97.968	-	-	-	-	-	97.968
Subtotal: Flyaway Cost	-	-	336.959	-	-	109.548	-	-	134.364	-	-	97.968	-	-	-	-	-	97.968
Gross/Weapon System Cost	-	-	336.959	-	-	109.548	-	-	134.365	16.323	-	97.968	-	-	-	16.323	-	97.968

UNCLASSIFIED

Exhibit P-5, Cost Analysis: PB 2016 Army		Date: February 2015
Appropriation / Budget Activity / Budget Sub Activity: 2035A / 02 / 86	P-1 Line Item Number / Title: KA3500 / Night Vision Devices	Item Number / Title [DODIC]: K36400 / Helmet Mounted Enhanced Vision Devices

ID Code (A=Service Ready, B=Not Service Ready) :		MDAP/MAIS Code:				
Secondary Distribution		FY 2014	FY 2015	FY 2016 Base	FY 2016 OCO	FY 2016 Total
Army	Quantity	-	-	-	-	-
	Total Obligation Authority	109.548	50.295	36.254	-	36.254
ANG	Quantity	-	-	-	-	-
	Total Obligation Authority	-	62.120	61.714	-	61.714
AR	Quantity	-	-	-	-	-
	Total Obligation Authority	-	21.950	-	-	-
Total:	Quantity	-	-	-	-	-
Secondary Distribution	Total Obligation Authority	109.548	134.365	97.968	-	97.968

(t) indicates the presence of a P-5a

UNCLASSIFIED

Exhibit P-5a, Procurement History and Planning: PB 2016 Army							Date: February 2015					
Appropriation / Budget Activity / Budget Sub Activity: 2035A / 02 / 86			P-1 Line Item Number / Title: KA3500 / Night Vision Devices				Item Number / Title [DODIC]: K36400 / Helmet Mounted Enhanced Vision Devices					

Cost Elements	O C O	FY	Contractor and Location	Method/Type or Funding Vehicle	Location of PCO	Award Date	Date of First Delivery	Qty <i>(Each)</i>	Unit Cost <i>(\$ K)</i>	Specs Avail Now?	Date Revision Available	RFP Issue Date
AN/PSQ-20 (ENVG II) ^(†)		2014	TBS (AN/PSQ-20) ENVG II / TBD	C / IDIQ	ACC-APG	Feb 2015	Sep 2015	921	12.020	N		
AN/PSQ-20 (ENVG II) ^(†)		2015	TBS (AN/PSQ-20) ENVG II / TBD	C / IDIQ	ACC-APG	Feb 2015	Sep 2015	2,439	12.020	N		
AN/PSQ-20 (ENVG III) Qual Systems ^(†)		2014	DRS RSTA, Inc / Dallas, TX	C / IDIQ	ACC-APG	May 2014	Oct 2015	710	-	N		
AN/PSQ-20 (ENVG III) Qual Systems ^(†)		2014	BAE Systems / Nashua, NH	C / IDIQ	ACC-APG	May 2014	Oct 2015	710	-	N		
AN/PSQ-20 (ENVG III) ^(†)		2014	TBS (AN/PSQ-20) ENVG III / TBD	C / IDIQ	ACC-APG	Nov 2015	Jun 2016	2,974	9.408	N		
AN/PSQ-20 (ENVG III) ^(†)		2015	TBS (AN/PSQ-20) ENVG III / TBD	C / IDIQ	ACC-APG	Mar 2016	Oct 2016	6,746	9.408	N		
AN/PSQ-20 (ENVG III) ^(†)		2016	TBS (AN/PSQ-20) ENVG III / TBD	C / IDIQ	ACC-APG	Mar 2016	Oct 2016	6,002	9.408	N		

^(†) indicates the presence of a P-21

Remarks:

The May 2014 ENVG III contracts, awarded to BAE Systems and DRS, RSTA, Inc, were protested. A subsequent reconvened Source Selection upheld the original awards in December 2014. A protest was again levied by Raytheon and a stop work order was issued, on both contracts, until resolution. On 13 January 2015, the stay was lifted on the DRS contract.

Unit cost is an average hardware based on quantity of systems procured. FY 2014 procurement includes 1420 next generation ENVG III qualification systems that will allow wireless imagery connectivity to the Family of Weapons Sight Individual (FWS-I) variant. This capability will provide Rapid Target Acquisition (RTA).

The ENVG III hardware unit cost in FY 2014 and FY 2015 is benefited by the combined quantity buy of 9,720 systems on the FY 2015 delivery order.

UNCLASSIFIED

Exhibit P-21, Production Schedule: PB 2016 Army				Date: February 2015											
Appropriation / Budget Activity / Budget Sub Activity: 2035A / 02 / 86				P-1 Line Item Number / Title: KA3500 / Night Vision Devices						Item Number / Title [DODIC]: K36400 / Helmet Mounted Enhanced Vision Devices					

Cost Elements (Units in Each)						Fiscal Year 2014													Fiscal Year 2015																																
O C C O	M F R #	FY	SERVICE	PROC QTY	ACCEPT PRIOR TO 1 OCT 2013	BAL DUE AS OF 1 OCT	Calendar Year 2014													Calendar Year 2015													B A L																		
							O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P																					
AN/PSQ-20 (ENVG II)																																																			
Prior Years Deliveries: 21891																																																			
1		2014	ARMY (VII)	921	-	921																							A -	-	-	-	-	-	-	-	-		77	844											
1		2015	ARMY (VIII)	2,439	-	2,439																								A -	-	-	-	-	-	-	-	-		203	2,236										
AN/PSQ-20 (ENVG III) Qual Systems																																																			
2		2014	ARMY (IX)	710	-	710												A -	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-			710							
3		2014	ARMY (X)	710	-	710												A -	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-			710				
AN/PSQ-20 (ENVG III)																																																			
4		2014	ARMY (XI)	2,974	-	2,974																																										2,974			
4		2015	ARMY (XII)	6,746	-	6,746																																											6,746		
4		2016	ARMY (XIII)	6,002	-	6,002																																											6,002		

UNCLASSIFIED

Exhibit P-21, Production Schedule: PB 2016 Army															Date: February 2015														
Appropriation / Budget Activity / Budget Sub Activity: 2035A / 02 / 86										P-1 Line Item Number / Title: KA3500 / Night Vision Devices										Item Number / Title [DODIC]: K36400 / Helmet Mounted Enhanced Vision Devices									

Cost Elements <i>(Units in Each)</i>					Fiscal Year 2016													Fiscal Year 2017																			
O C C O	M F R #	FY	SERVICE	PROC QTY	ACCEPT PRIOR TO 1 OCT 2015	BAL DUE AS OF 1 OCT	Calendar Year 2016													Calendar Year 2017																	
							O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	B A L						
AN/PSQ-20 (ENVG II)																																					
Prior Years Deliveries: 21891																																					
	1	2014	ARMY (VII)	921	77	844	77	77	77	77	77	77	77	77	77	77	77	77	77	77	77	77	77	77	77	77	77	77	77	77	77	77	77	77	77	-	
	1	2015	ARMY (VIII)	2,439	203	2,236	203	203	203	203	203	203	203	203	203	203	203	203	203	203	203	203	203	203	203	203	203	203	203	203	203	203	203	203	203	-	
AN/PSQ-20 (ENVG III) Qual Systems																																					
	2	2014	ARMY (IX)	710	-	710	150	150	150	150	110																								-		
	3	2014	ARMY (X)	710	-	710	150	150	150	150	110																									-	
AN/PSQ-20 (ENVG III)																																					
	4	2014	ARMY (XI)	2,974	-	2,974		A -	-	-	-	-	-	-	-	372	372	372	372	372	372	372	372	370											-		
	4	2015	ARMY (XII)	6,746	-	6,746						A -	-	-	-	-	-	-	-	-	562	562	562	562	562	562	562	562	562	562	562	562	562	562	562	564	-
	4	2016	ARMY (XIII)	6,002	-	6,002						A -	-	-	-	-	-	-	-	-	500	500	500	500	500	500	500	500	500	500	500	500	500	500	502	-	
							O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	B A L						

UNCLASSIFIED

Exhibit P-21, Production Schedule: PB 2016 Army		Date: February 2015
Appropriation / Budget Activity / Budget Sub Activity: 2035A / 02 / 86		P-1 Line Item Number / Title: KA3500 / Night Vision Devices
		Item Number / Title [DODIC]: K36400 / Helmet Mounted Enhanced Vision Devices

MFR Ref #	MFR Name - Location	Production Rates (Each / Month)			Procurement Leadtime (Months)							
		MSR For 2016	1-8-5 For 2016	MAX For 2016	Initial				Reorder			
					ALT Prior to Oct 1	ALT After Oct 1	Mfg PLT	Total After Oct 1	ALT Prior to Oct 1	ALT After Oct 1	Mfg PLT	Total After Oct 1
1	TBS (AN/PSQ-20) ENVG II - TBD	50	500	1,300	1	7	8	15	1	2	8	10
2	DRS RSTA, Inc - Dallas, TX	200	500	1,300	1	9	18	27	1	5	8	13
3	BAE Systems - Nashua, NH	200	500	1,300	1	9	18	27	1	5	8	13
4	TBS (AN/PSQ-20) ENVG III - TBD	200	500	1,432	1	6	18	24	1	6	8	14

Remarks:
The May 2014 ENVG III contracts, awarded to BAE Systems and DRS, RSTA, Inc, were protested. A subsequent reconvened Source Selection upheld the original awards in December 2014. A protest was again levied by Raytheon and a stop work order was issued, on both contracts, until resolution. On 13 January 2015, the stay was lifted on the DRS contract.

"A" in the Delivery Schedule indicates the Contract Award Date.
Note: Due to space limitations, quantities in the Exhibit P-21 delivery calendar are truncated and rounded based on the maximum quantity in the calendar as follows. If the maximum quantity is less than or equal to than 9,999, all quantities are shown as each. If the maximum quantity is between 10,000 and 999,999 all quantities are shown in thousands. If the maximum quantity is between 1,000,000 and 999,999,999 all quantities are shown in millions (rounded to the nearest thousand). If the maximum quantity is equal or greater than 1,000,000,000 all quantities are shown in billions (rounded to the nearest million).

- Service/Agency Suffixes:**
(VII) BASE
(VIII) BASE
(IX) BASE
(X) BASE
(XI) BASE
(XII) BASE
(XIII) BASE

UNCLASSIFIED

Exhibit P-40, Budget Line Item Justification: PB 2016 Army **Date:** February 2015

Appropriation / Budget Activity / Budget Sub Activity: 2035A: Other Procurement, Army / BA 02: Communications and Electronics Equipment / BSA 86: Elect Equip - Tactical Surv. (Tac Surv)	P-1 Line Item Number / Title: K38300 / Long Range Advanced Scout Surveillance System
--	--

ID Code (A=Service Ready, B=Not Service Ready) :	Program Elements for Code B Items:						Other Related Program Elements:					
Resource Summary	Prior Years	FY 2014	FY 2015	FY 2016 Base	FY 2016 OCO	FY 2016 Total	FY 2017	FY 2018	FY 2019	FY 2020	To Complete	Total
Procurement Quantity (Units in Each)	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Cost (\$ in Millions)	1,388.025	5.183	-	-	-	-	-	-	-	-	-	1,393.208
Less PY Advance Procurement (\$ in Millions)	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P1) (\$ in Millions)	1,388.025	5.183	-	-	-	-	-	-	-	-	-	1,393.208
Plus CY Advance Procurement (\$ in Millions)	-	-	-	-	-	-	-	-	-	-	-	-
Total Obligation Authority (\$ in Millions)	1,388.025	5.183	-	-	-	-	-	-	-	-	-	1,393.208

(The following Resource Summary rows are for informational purposes only. The corresponding budget requests are documented elsewhere.)

Initial Spares (\$ in Millions)	-	-	-	-	-	-	-	-	-	-	-	-
Flyaway Unit Cost (\$ in Thousands)	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Unit Cost (\$ in Thousands)	526.565	-	-	-	-	-	-	-	-	-	-	73,326.737

Description:

The Long Range Advanced Scout Surveillance System (LRAS3) is a long range reconnaissance and surveillance system which operates in both a stationary vehicle mounted configuration and in an autonomous dismounted configuration. The LRAS3 is a multi-function, line-of-sight target acquisition common sensor suite which provides real-time target detection, recognition, and identification capability 24 hours a day in all weather conditions. LRAS3 also automatically determines Far Target Location (FTL) coordinates for any target ranged to by the operator. LRAS3 enables information superiority by interfacing with Force XXI Battle Command, Brigade-and-Below (FBCB2) to provide target acquisition and FTL information. LRAS3 utilizes the Horizontal Technology Integration (HTI) Second Generation Forward Looking Infrared (SGF) thermal sensor, enabling 24 hour a day operation in adverse weather and penetration of battlefield obscurants. LRAS3 significantly increases the survivability of forces through its standoff capability, allowing them to continue their mission as the eyes of the maneuver commander on the battlefield. The LRAS3 is a key enabling technology and has been a critical combat overmatch capability for the Army units in combat in Afghanistan. The LRAS3 continues to support requirements from Operation Enduring Freedom; for example, the Mine Resistant Ambush Protected (MRAP) All Terrain Vehicle (M-ATV) and developing a networked-enabled (netted sensors) technology insertion capability. The current LRAS3 Army Acquisition Objective (AAO) is 2,894 systems.

Secondary Distribution	FY 2014	FY 2015	FY 2016 Base	FY 2016 OCO	FY 2016 Total	FY 2017	FY 2018	FY 2019	FY 2020
Army									
	Quantity	-	-	-	-	-	-	-	-
	Total Obligation Authority	5.183	-	-	-	-	-	-	-
Total:									
Secondary Distribution	Quantity	-	-	-	-	-	-	-	-
	Total Obligation Authority	5.183	-	-	-	-	-	-	-

UNCLASSIFIED

Exhibit P-40, Budget Line Item Justification: PB 2016 Army **Date:** February 2015

Appropriation / Budget Activity / Budget Sub Activity: 2035A: Other Procurement, Army / BA 02: Communications and Electronics Equipment / BSA 86: Elect Equip - Tactical Surv. (Tac Surv)	P-1 Line Item Number / Title: K38300 / Long Range Advanced Scout Surveillance System
--	--

ID Code (A=Service Ready, B=Not Service Ready) :			Program Elements for Code B Items:			Other Related Program Elements:		
Exhibits Schedule			Prior Years	FY 2014	FY 2015	FY 2016 Base	FY 2016 OCO	FY 2016 Total
Title*	Exhibits	ID CD	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)
K38300 / Long Range Advanced Scout Surveillance System	P-5		- / 1,388.025	- / 5.183	- / -	- / -	- / -	- / -
Total Gross/Weapon System Cost			- / 1,388.025	- / 5.183	- / -	- / -	- / -	- / -

*Title represents 1) the Number / Title for Items; 2) the Number / Title [DODIC] for Ammunition; and/or 3) the Number / Title (Modification Type) for Modifications.

Note: Totals in this Exhibit P-40 set may not be exact or add due to rounding.

Justification:
 FY 2016 Base procurement - There is no funding in FY 2016.

UNCLASSIFIED

Exhibit P-5, Cost Analysis: PB 2016 Army													Date: February 2015						
Appropriation / Budget Activity / Budget Sub Activity: 2035A / 02 / 86						P-1 Line Item Number / Title: K38300 / Long Range Advanced Scout Surveillance System						Item Number / Title [DODIC]: K38300 / Long Range Advanced Scout Surveillance System							
ID Code (A=Service Ready, B=Not Service Ready) :										MDAP/MAIS Code:									
Resource Summary				Prior Years		FY 2014		FY 2015		FY 2016 Base		FY 2016 OCO		FY 2016 Total					
Procurement Quantity (Units in Each)				-		-		-		-		-		-					
Gross/Weapon System Cost (\$ in Millions)				1,388.025		5.183		-		-		-		-					
Less PY Advance Procurement (\$ in Millions)				-		-		-		-		-		-					
Net Procurement (P1) (\$ in Millions)				1,388.025		5.183		-		-		-		-					
Plus CY Advance Procurement (\$ in Millions)				-		-		-		-		-		-					
Total Obligation Authority (\$ in Millions)				1,388.025		5.183		-		-		-		-					
<i>(The following Resource Summary rows are for informational purposes only. The corresponding budget requests are documented elsewhere.)</i>																			
Initial Spares (\$ in Millions)				-		-		-		-		-		-		-			
Gross/Weapon System Unit Cost (\$ in Thousands)				526.565		-		-		-		-		-		-			
Note: Subtotals or Totals in this Exhibit P-5 may not be exact or add, due to rounding.																			
Cost Elements	Prior Years			FY 2014			FY 2015			FY 2016 Base			FY 2016 OCO			FY 2016 Total			
	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	
Flyaway Cost																			
Recurring Cost																			
LRAS3	426.000	2,636	1,122.936	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Engineering Support	-	-	41.949	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Project Management Admin	-	-	14.035	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Engineering Change Orders	-	-	26.114	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Testing	-	-	11.893	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Fielding	-	-	40.543	-	-	5.183	-	-	-	-	-	-	-	-	-	-	-	-	
Initial Spares	-	-	103.686	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
P31 Retrofit (Netted Sensors)	-	-	26.869	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
<i>Subtotal: Recurring Cost</i>	-	-	<i>1,388.025</i>	-	-	<i>5.183</i>	-	-	-	-	-	-	-	-	-	-	-	-	
<i>Subtotal: Flyaway Cost</i>	-	-	<i>1,388.025</i>	-	-	<i>5.183</i>	-	-	-	-	-	-	-	-	-	-	-	-	
Gross/Weapon System Cost	526.565	-	1,388.025	-	-	5.183	-	-	-	-	-	-	-	-	-	-	-	-	
Secondary Distribution						FY 2014		FY 2015		FY 2016 Base		FY 2016 OCO		FY 2016 Total					
Army						Quantity						-		-		-			
						Total Obligation Authority						5.183		-		-		-	

UNCLASSIFIED

Exhibit P-5, Cost Analysis: PB 2016 Army		Date: February 2015
Appropriation / Budget Activity / Budget Sub Activity: 2035A / 02 / 86	P-1 Line Item Number / Title: K38300 / Long Range Advanced Scout Surveillance System	Item Number / Title [DODIC]: K38300 / Long Range Advanced Scout Surveillance System

ID Code (A=Service Ready, B=Not Service Ready) :	MDAP/MAIS Code:
---	------------------------

Secondary Distribution		FY 2014	FY 2015	FY 2016 Base	FY 2016 OCO	FY 2016 Total
Total:	Quantity	-	-	-	-	-
Secondary Distribution	Total Obligation Authority	5.183	-	-	-	-

--	--	--	--	--	--	--

UNCLASSIFIED

Exhibit P-40, Budget Line Item Justification: PB 2016 Army **Date:** February 2015

Appropriation / Budget Activity / Budget Sub Activity: 2035A: Other Procurement, Army / BA 02: Communications and Electronics Equipment / BSA 86: Elect Equip - Tactical Surv. (Tac Surv)	P-1 Line Item Number / Title: K35110 / Small Tactical Optical Rifle Mounted MLRF
--	--

ID Code (A=Service Ready, B=Not Service Ready) :	Program Elements for Code B Items:						Other Related Program Elements:					
Resource Summary	Prior Years	FY 2014	FY 2015	FY 2016 Base	FY 2016 OCO	FY 2016 Total	FY 2017	FY 2018	FY 2019	FY 2020	To Complete	Total
Procurement Quantity (Units in Each)	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Cost (\$ in Millions)	88.283	22.300	18.520	23.216	-	23.216	21.605	23.071	23.835	27.636	Continuing	Continuing
Less PY Advance Procurement (\$ in Millions)	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P1) (\$ in Millions)	88.283	22.300	18.520	23.216	-	23.216	21.605	23.071	23.835	27.636	Continuing	Continuing
Plus CY Advance Procurement (\$ in Millions)	-	-	-	-	-	-	-	-	-	-	-	-
Total Obligation Authority (\$ in Millions)	88.283	22.300	18.520	23.216	-	23.216	21.605	23.071	23.835	27.636	Continuing	Continuing
<i>(The following Resource Summary rows are for informational purposes only. The corresponding budget requests are documented elsewhere.)</i>												
Initial Spares (\$ in Millions)	-	-	-	-	-	-	-	-	-	-	-	-
Flyaway Unit Cost (\$ in Thousands)	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Unit Cost (\$ in Thousands)	-	-	-	9.191	-	9.191	-	-	-	-	Continuing	Continuing

Description:

The AN/PSQ-23 Small Tactical Optical Rifle Mounted (STORM) Micro-Laser Range Finder (MLRF) is a weapon-mounted multi-function laser system. It provides an eye safe laser range finder, digital compass, Infrared (IR) and visible aiming lights, and an IR illuminator for far target location with continuous range, accuracy, weight and power performance enhanced capabilities. When connected to a Precision Lightweight Global Receiver/Defense Advanced GPS Receiver (PLGR/DAGR), the AN/PSQ-23 provides range and direction information to develop accurate and timely far target locations. The STORM addresses the lack of depth perception for night applications through use of its IR illuminator and rangefinder. The STORM system provides a stand-alone capability for small unit leaders and Snipers. In FY15, a production Engineering Change Proposal (ECP) reduced size, weight, power consumption, and cost; designated as STORM AN/PSQ-23C.

The current Army Acquisition Objective (AAO) for this program is 24,163.

Secondary Distribution	FY 2014	FY 2015	FY 2016 Base	FY 2016 OCO	FY 2016 Total	FY 2017	FY 2018	FY 2019	FY 2020	
Army	Quantity	-	-	-	-	-	-	-	-	
	Total Obligation Authority	18.300	10.020	15.996	-	15.996	15.726	23.071	23.835	27.636
ANG	Quantity	-	-	-	-	-	-	-	-	
	Total Obligation Authority	3.000	8.500	7.220	-	7.220	5.879	-	-	-
AR	Quantity	-	-	-	-	-	-	-	-	
	Total Obligation Authority	1.000	-	-	-	-	-	-	-	
Total:	Quantity	-	-	-	-	-	-	-	-	
Secondary Distribution	Total Obligation Authority	22.300	18.520	23.216	-	23.216	21.605	23.071	23.835	27.636

UNCLASSIFIED

Exhibit P-40, Budget Line Item Justification: PB 2016 Army **Date:** February 2015

Appropriation / Budget Activity / Budget Sub Activity: 2035A: Other Procurement, Army / BA 02: Communications and Electronics Equipment / BSA 86: Elect Equip - Tactical Surv. (Tac Surv)	P-1 Line Item Number / Title: K35110 / Small Tactical Optical Rifle Mounted MLRF
--	--

ID Code (A=Service Ready, B=Not Service Ready) :			Program Elements for Code B Items:			Other Related Program Elements:		
Exhibits Schedule			Prior Years	FY 2014	FY 2015	FY 2016 Base	FY 2016 OCO	FY 2016 Total
Title*	Exhibits	ID CD	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)
K35110 / Small Tactical Optical Rifle Mounted MLRF	P-5, P-5a, P-21		- / 88.283	- / 22.300	- / 18.520	- / 23.216	- / -	- / 23.216
Total Gross/Weapon System Cost			- / 88.283	- / 22.300	- / 18.520	- / 23.216	- / -	- / 23.216

*Title represents 1) the Number / Title for Items; 2) the Number / Title [DODIC] for Ammunition; and/or 3) the Number / Title (Modification Type) for Modifications.

Note: Totals in this Exhibit P-40 set may not be exact or add due to rounding.

Justification:
 FY 2016 Base procurement dollars in the amount of \$23.216 million procures 2,526 AN/PSQ-23C systems for fielding to small unit leaders and Snipers.

In accordance with Section 1815 of the FY 2008 National Defense Authorization Act (P.L. 110-181), this item is necessary for use by the active and reserve components of the Armed Forces for homeland defense missions, domestic emergency responses, and providing military support to civil authorities.

UNCLASSIFIED

Exhibit P-5, Cost Analysis: PB 2016 Army													Date: February 2015					
Appropriation / Budget Activity / Budget Sub Activity: 2035A / 02 / 86						P-1 Line Item Number / Title: K35110 / Small Tactical Optical Rifle Mounted MLRF						Item Number / Title [DODIC]: K35110 / Small Tactical Optical Rifle Mounted MLRF						
ID Code (A=Service Ready, B=Not Service Ready) :										MDAP/MAIS Code:								
Resource Summary				Prior Years		FY 2014		FY 2015		FY 2016 Base		FY 2016 OCO		FY 2016 Total				
Procurement Quantity (Units in Each)				-		-		-		-		-		-				
Gross/Weapon System Cost (\$ in Millions)				88.283		22.300		18.520		23.216		-		23.216				
Less PY Advance Procurement (\$ in Millions)				-		-		-		-		-		-				
Net Procurement (P1) (\$ in Millions)				88.283		22.300		18.520		23.216		-		23.216				
Plus CY Advance Procurement (\$ in Millions)				-		-		-		-		-		-				
Total Obligation Authority (\$ in Millions)				88.283		22.300		18.520		23.216		-		23.216				
<i>(The following Resource Summary rows are for informational purposes only. The corresponding budget requests are documented elsewhere.)</i>																		
Initial Spares (\$ in Millions)				-		-		-		-		-		-				
Gross/Weapon System Unit Cost (\$ in Thousands)				-		-		-		9.191		-		9.191				
Note: Subtotals or Totals in this Exhibit P-5 may not be exact or add, due to rounding.																		
Cost Elements	Prior Years			FY 2014			FY 2015			FY 2016 Base			FY 2016 OCO			FY 2016 Total		
	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)
Hardware Cost																		
Recurring Cost																		
STORM - AN/PSQ-23 Hardware ^(t)	18.042	4,194	75.668	12.839	1,000	12.839	10.282	1,500	15.423	-	-	-	-	-	-	-	-	-
STORM - AN/PSQ-23C Hardware ^(t)	-	-	-	-	-	-	-	-	-	8.100	2,526	20.460	-	-	-	8.100	2,526	20.460
Program Management	-	-	9.076	-	-	5.455	-	-	2.190	-	-	2.017	-	-	-	-	-	2.017
Systems Engineering Support	-	-	3.246	-	-	2.121	-	-	0.853	-	-	0.691	-	-	-	-	-	0.691
Engineering Change Orders	-	-	0.025	-	-	1.819	-	-	-	-	-	-	-	-	-	-	-	-
Fielding	-	-	0.268	-	-	0.066	-	-	0.055	-	-	0.048	-	-	-	-	-	0.048
<i>Subtotal: Recurring Cost</i>	-	-	88.283	-	-	22.300	-	-	18.521	-	-	23.217	-	-	-	-	-	23.217
<i>Subtotal: Hardware Cost</i>	-	-	88.283	-	-	22.300	-	-	18.521	-	-	23.217	-	-	-	-	-	23.217
Gross/Weapon System Cost	-	-	88.283	-	-	22.300	-	-	18.520	9.191	-	23.216	-	-	-	9.191	-	23.216
Secondary Distribution							FY 2014		FY 2015		FY 2016 Base		FY 2016 OCO		FY 2016 Total			
Army		Quantity					-		-		-		-		-			
Army		Total Obligation Authority					18.300		10.020		15.996		-		15.996			
ANG		Quantity					-		-		-		-		-			

UNCLASSIFIED

Exhibit P-5, Cost Analysis: PB 2016 Army		Date: February 2015
Appropriation / Budget Activity / Budget Sub Activity: 2035A / 02 / 86	P-1 Line Item Number / Title: K35110 / Small Tactical Optical Rifle Mounted MLRF	Item Number / Title [DODIC]: K35110 / Small Tactical Optical Rifle Mounted MLRF

ID Code (A=Service Ready, B=Not Service Ready) : **MDAP/MAIS Code:**

Secondary Distribution		FY 2014	FY 2015	FY 2016 Base	FY 2016 OCO	FY 2016 Total
	Total Obligation Authority	3.000	8.500	7.220	-	7.220
AR	Quantity	-	-	-	-	-
	Total Obligation Authority	1.000	-	-	-	-
Total:	Quantity	-	-	-	-	-
Secondary Distribution	Total Obligation Authority	22.300	18.520	23.216	-	23.216

(t) indicates the presence of a P-5a

UNCLASSIFIED

Exhibit P-5a, Procurement History and Planning: PB 2016 Army								Date: February 2015				
Appropriation / Budget Activity / Budget Sub Activity: 2035A / 02 / 86			P-1 Line Item Number / Title: K35110 / Small Tactical Optical Rifle Mounted MLRF					Item Number / Title [DODIC]: K35110 / Small Tactical Optical Rifle Mounted MLRF				
Cost Elements	O C O	FY	Contractor and Location	Method/Type or Funding Vehicle	Location of PCO	Award Date	Date of First Delivery	Qty (Each)	Unit Cost (\$ K)	Specs Avail Now?	Date Revision Available	RFP Issue Date
STORM - AN/PSQ-23 Hardware ^(†)		2014	L3 Insight / Londonderry, NH	C / IDIQ	ACC APG	Nov 2013	Apr 2014	1,000	12.839	N		
STORM - AN/PSQ-23 Hardware ^(†)		2015	L3 Insight / Londonderry, NH	C / IDIQ	ACC APG	Mar 2015	Sep 2015	1,500	10.282	N		
STORM - AN/PSQ-23C Hardware ^(†)		2016	TBD / TBS	C / IDIQ	ACC APG	May 2016	Oct 2016	2,526	8.100	N		

^(†) indicates the presence of a P-21

Remarks:

June 2011 award to L3 Communications was a 5 year IDIQ contract. New contract expected 3rd quarter FY16.

UNCLASSIFIED

Exhibit P-21, Production Schedule: PB 2016 Army															Date: February 2015														
Appropriation / Budget Activity / Budget Sub Activity: 2035A / 02 / 86										P-1 Line Item Number / Title: K35110 / Small Tactical Optical Rifle Mounted MLRF										Item Number / Title [DODIC]: K35110 / Small Tactical Optical Rifle Mounted MLRF									

Cost Elements <i>(Units in Each)</i>						Fiscal Year 2014												Fiscal Year 2015																	
O C C O	M F R #	FY	SERVICE	PROC QTY	ACCEPT PRIOR TO 1 OCT 2013	BAL DUE AS OF 1 OCT	Calendar Year 2014												Calendar Year 2015																
							O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	B A L				
STORM - AN/PSQ-23 Hardware																																			
Prior Years Deliveries: 4194																																			
	1	2014	ARMY	1,000	-	1,000		A	-	-	-	-	-	84	84	84	84	83	83	83	83	83	83	83	83	83	83							-	
	1	2015	ARMY	1,500	-	1,500																					A	-	-	-	-	-	-	125	1,375
STORM - AN/PSQ-23C Hardware																																			
	2	2016	ARMY	2,526	-	2,526																													2,526
							O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	B A L				

UNCLASSIFIED

Exhibit P-21, Production Schedule: PB 2016 Army																							Date: February 2015											
Appropriation / Budget Activity / Budget Sub Activity: 2035A / 02 / 86											P-1 Line Item Number / Title: K35110 / Small Tactical Optical Rifle Mounted MLRF											Item Number / Title [DODIC]: K35110 / Small Tactical Optical Rifle Mounted MLRF												
Cost Elements <i>(Units in Each)</i>						Fiscal Year 2016														Fiscal Year 2017														
O C C O	M F R #	FY	SERVICE	PROC QTY	ACCEPT PRIOR TO 1 OCT 2015	BAL DUE AS OF 1 OCT	Calendar Year 2016														Calendar Year 2017													
							O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	B A L			
STORM - AN/PSQ-23 Hardware																																		
Prior Years Deliveries: 4194																																		
	1	2014	ARMY	1,000	1,000	-																						-						
	1	2015	ARMY	1,500	125	1,375	125	125	125	125	125	125	125	125	125	125												-						
STORM - AN/PSQ-23C Hardware																																		
	2	2016	ARMY	2,526	-	2,526								A -	-	-	-	-	170	191	200	215	215	215	220	220	220	220	220	220	-			
							O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	B A L			

UNCLASSIFIED

Exhibit P-21, Production Schedule: PB 2016 Army		Date: February 2015
Appropriation / Budget Activity / Budget Sub Activity: 2035A / 02 / 86		P-1 Line Item Number / Title: K35110 / Small Tactical Optical Rifle Mounted MLRF
		Item Number / Title [DODIC]: K35110 / Small Tactical Optical Rifle Mounted MLRF

MFR Ref #	MFR Name - Location	Production Rates (Each / Month)			Procurement Leadtime (Months)							
		MSR For 2016	1-8-5 For 2016	MAX For 2016	Initial				Reorder			
					ALT Prior to Oct 1	ALT After Oct 1	Mfg PLT	Total After Oct 1	ALT Prior to Oct 1	ALT After Oct 1	Mfg PLT	Total After Oct 1
1	L3 Insight - Londonderry, NH	50	200	450	2	2	4	6	1	2	4	6
2	TBD - TBS	50	200	450	2	7	5	12	1	2	4	6

Remarks:
June 2011 award to L3 Communication was a 5 year IDIQ contract. New contract for the STORM AN/PSQ-23C is expected in 3rd quarter 2016. Break in production is necessary to take advantage of this smaller, lighter and cheaper STORM variant.

"A" in the Delivery Schedule indicates the Contract Award Date.

Note: Due to space limitations, quantities in the Exhibit P-21 delivery calendar are truncated and rounded based on the maximum quantity in the calendar as follows. If the maximum quantity is less than or equal to than 9,999, all quantities are shown as each. If the maximum quantity is between 10,000 and 999,999 all quantities are shown in thousands. If the maximum quantity is between 1,000,000 and 999,999,999 all quantities are shown in millions (rounded to the nearest thousand). If the maximum quantity is equal or greater than 1,000,000,000 all quantities are shown in billions (rounded to the nearest million).

UNCLASSIFIED

Exhibit P-40, Budget Line Item Justification: PB 2016 Army **Date:** February 2015

Appropriation / Budget Activity / Budget Sub Activity: 2035A: Other Procurement, Army / BA 02: Communications and Electronics Equipment / BSA 86: Elect Equip - Tactical Surv. (Tac Surv)	P-1 Line Item Number / Title: AD5311 / Green Laser Interdiction System (GLIS)
--	---

ID Code (A=Service Ready, B=Not Service Ready) :	Program Elements for Code B Items:						Other Related Program Elements:					
Resource Summary	Prior Years	FY 2014	FY 2015	FY 2016 Base	FY 2016 OCO	FY 2016 Total	FY 2017	FY 2018	FY 2019	FY 2020	To Complete	Total
Procurement Quantity (Units in Each)	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Cost (\$ in Millions)	26.369	0.516	-	-	-	-	-	-	-	-	-	26.885
Less PY Advance Procurement (\$ in Millions)	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P1) (\$ in Millions)	26.369	0.516	-	-	-	-	-	-	-	-	-	26.885
Plus CY Advance Procurement (\$ in Millions)	-	-	-	-	-	-	-	-	-	-	-	-
Total Obligation Authority (\$ in Millions)	26.369	0.516	-	-	-	-	-	-	-	-	-	26.885

(The following Resource Summary rows are for informational purposes only. The corresponding budget requests are documented elsewhere.)

Initial Spares (\$ in Millions)	-	-	-	-	-	-	-	-	-	-	-	-
Flyaway Unit Cost (\$ in Thousands)	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Unit Cost (\$ in Thousands)	-	-	-	-	-	-	-	-	-	-	-	-

Description:

The Green Laser Interdiction System (GLIS) is a rifle-mounted (M4/Modular Weapon System (MWS) carbine or M16A4) laser system that allows the Soldier to interdict non-combatants through non-lethal effects up to 300 meters. It is also designed to divert, disrupt, or delay potential enemies before they can engage friendly forces. GLIS fosters an effective non-lethal means to alert civilians they are approaching military operations with visible effects. GLIS is interchangeable between host weapon platforms.

The Army Acquisition Objective for the GLIS program is 24,846.

No FY16 Funding.

Secondary Distribution	FY 2014	FY 2015	FY 2016 Base	FY 2016 OCO	FY 2016 Total	FY 2017	FY 2018	FY 2019	FY 2020
ANG	Quantity	-	-	-	-	-	-	-	-
	Total Obligation Authority	0.266	-	-	-	-	-	-	-
AR	Quantity	-	-	-	-	-	-	-	-
	Total Obligation Authority	0.250	-	-	-	-	-	-	-
Total: Secondary Distribution	Quantity	-	-	-	-	-	-	-	-
	Total Obligation Authority	0.516	-	-	-	-	-	-	-

Justification:

UNCLASSIFIED

Exhibit P-40, Budget Line Item Justification: PB 2016 Army		Date: February 2015
Appropriation / Budget Activity / Budget Sub Activity: 2035A: Other Procurement, Army / BA 02: Communications and Electronics Equipment / BSA 86: Elect Equip - Tactical Surv. (Tac Surv)		P-1 Line Item Number / Title: AD5311 / Green Laser Interdiction System (GLIS)
ID Code (A=Service Ready, B=Not Service Ready) :	Program Elements for Code B Items:	Other Related Program Elements:
There is no FY 2016 Base funding request for this program.		
In accordance with section 1815 of the FY 2008 National Defense Authorization Act P.L. 110-181), this item is necessary for use by the active and reserve components of the Armed Forces for homeland defense missions, domestic emergency responses and providing military support to civil authorities.		

UNCLASSIFIED

Exhibit P-40, Budget Line Item Justification: PB 2016 Army **Date:** February 2015

Appropriation / Budget Activity / Budget Sub Activity: 2035A: Other Procurement, Army / BA 02: Communications and Electronics Equipment / BSA 86: Elect Equip - Tactical Surv. (Tac Surv)	P-1 Line Item Number / Title: BZ0501 / Indirect Fire Protection Family Of Systems
---	---

ID Code (A=Service Ready, B=Not Service Ready) :	Program Elements for Code B Items:	Other Related Program Elements: 0604741A
---	---	---

Resource Summary	Prior Years	FY 2014	FY 2015	FY 2016 Base	FY 2016 OCO	FY 2016 Total	FY 2017	FY 2018	FY 2019	FY 2020	To Complete	Total
Procurement Quantity <i>(Units in Each)</i>	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Cost <i>(\$ in Millions)</i>	27.345	55.354	68.296	60.679	-	60.679	51.791	8.425	3.470	-	-	275.360
Less PY Advance Procurement <i>(\$ in Millions)</i>	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P1) <i>(\$ in Millions)</i>	27.345	55.354	68.296	60.679	-	60.679	51.791	8.425	3.470	-	-	275.360
Plus CY Advance Procurement <i>(\$ in Millions)</i>	-	-	-	-	-	-	-	-	-	-	-	-
Total Obligation Authority <i>(\$ in Millions)</i>	27.345	55.354	68.296	60.679	-	60.679	51.791	8.425	3.470	-	-	275.360

(The following Resource Summary rows are for informational purposes only. The corresponding budget requests are documented elsewhere.)

Initial Spares <i>(\$ in Millions)</i>	-	-	-	-	-	-	-	-	-	-	-	-
Flyaway Unit Cost <i>(\$ in Thousands)</i>	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Unit Cost <i>(\$ in Thousands)</i>	-	-	-	194.484	-	194.484	-	-	-	-	-	14,492.632

Description:

The Rocket, Artillery, Mortar (RAM) Warn program evolved from the Counter-Rocket, Artillery, Mortar (C-RAM) program and is a horizontal technology insertion, using current C-RAM warning capability to provide early, localized warning of indirect fire (IDF) threats to all Maneuver Brigade Combat Teams (BCT). It employs the Air Defense Airspace Management (ADAM) Cell already resident in the BCT Headquarters as the command and control (C2) element; uses the existing radars in the Target Acquisition Platoon of the Fires Battalion as the Sense element; and adds enhanced C2, warning devices, controllers, and dedicated communications devices between the existing radars, ADAM Cell, and warning devices. Integration of this equipment provides a Warn capability to the BCTs for detection of threat IDF rounds and transmission of the detection data to the C2 element for correlation and determination of a predicted point of impact (POI). Based on the POI, the C2 then determines which warning nodes should send "Incoming" warning alarms and transmits this information to the appropriate warning nodes. In addition to the representative RAM Warn capability fielded to each BCT, Army Pre-positioned Stocks (APS) equipment sets are being procured to supplement the fielded capability based on mission needs. Timely warning will enable those BCT personnel in the hazard area of an inbound IDF threat to seek cover or a prone position prior to impact, thus reducing casualties. The Capability Production Document (CPD) was approved in August 2010, and an update was approved in May 2012, to reflect the name change to RAM Warn. An initial operational test (IOT) was conducted during November 2012 as part of Network Integration Evaluation (NIE) 13.1, and the RAM Warn Milestone C Low Rate Initial Production (LRIP) decision occurred on 19 December 2012. In April 2014, RAM Warn was approved for entry into the Full Rate Production (FRP) acquisition phase based on successful completion of LRIP exit criteria, including Full Materiel Release.

Near-term directed enhancements to the C-RAM system-of-systems (SoS) capability include use of Army tactical communications rather than commercial systems and integration of Warn functionality into the command and control (C2) workstation to reduce complexity and footprint.

The Counter-Rocket, Artillery, Mortar (C-RAM) Intercept program provides a counter-RAM capability to the Indirect Fire Protection Capability (IFPC)/Avenger battalions, 5-5 and 2-44 Air Defense Artillery(ADA), to defend against and defeat the enduring indirect fire threat. This capability is provided by fielding existing Land-based Phalanx Weapon System (LPWS) guns previously deployed as a part of the C-RAM quick reaction capability; the guns undergo reset prior to fielding. C-RAM Intercept transitioned to an acquisition program with the approval of the C-RAM Intercept Capability Production Document (CPD) on 22 Aug 2013 and the Army Acquisition Executive's approval of an Acquisition Decision Memorandum (ADM) on 23 Aug 2013, authorizing the program's entry into the acquisition management system as a post-Milestone C, Acquisition Category (ACAT) III program under the management of the Program Executive Officer, Missiles and Space. Initial issue of LPWS assets to the IFPC/Avenger battalions is ongoing, with Materiel Release projected for 1QFY16.

UNCLASSIFIED

Exhibit P-40, Budget Line Item Justification: PB 2016 Army **Date:** February 2015

Appropriation / Budget Activity / Budget Sub Activity: 2035A: Other Procurement, Army / BA 02: Communications and Electronics Equipment / BSA 86: Elect Equip - Tactical Surv. (Tac Surv)	P-1 Line Item Number / Title: BZ0501 / Indirect Fire Protection Family Of Systems
--	---

ID Code (A=Service Ready, B=Not Service Ready) :	Program Elements for Code B Items:	Other Related Program Elements: 0604741A
---	---	---

	Secondary Distribution	FY 2014	FY 2015	FY 2016 Base	FY 2016 OCO	FY 2016 Total	FY 2017	FY 2018	FY 2019	FY 2020
Army	Quantity	-	-	-	-	-	-	-	-	-
	Total Obligation Authority	55.354	68.296	34.843	-	34.843	36.165	5.500	3.470	-
ANG	Quantity	-	-	-	-	-	-	-	-	-
	Total Obligation Authority	-	-	25.836	-	25.836	15.626	2.925	-	-
Total: Secondary Distribution	Quantity	-	-	-	-	-	-	-	-	-
	Total Obligation Authority	55.354	68.296	60.679	-	60.679	51.791	8.425	3.470	-

UNCLASSIFIED

Exhibit P-40, Budget Line Item Justification: PB 2016 Army **Date:** February 2015

Appropriation / Budget Activity / Budget Sub Activity: 2035A: Other Procurement, Army / BA 02: Communications and Electronics Equipment / BSA 86: Elect Equip - Tactical Surv. (Tac Surv)	P-1 Line Item Number / Title: BZ0501 / Indirect Fire Protection Family Of Systems
--	---

ID Code (A=Service Ready, B=Not Service Ready) : **Program Elements for Code B Items:** **Other Related Program Elements:** 0604741A

Exhibits Schedule			Prior Years	FY 2014	FY 2015	FY 2016 Base	FY 2016 OCO	FY 2016 Total
Title*	Exhibits	ID CD	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)
H30503 / Rocket, Artillery, Mortar (RAM) Warn	P-5, P-5a		16 / 27.345	55 / 11.929	184 / 27.652	312 / 42.458	- / -	312 / 42.458
H30504 / C-RAM Enhancements	P-5		- / -	- / 43.425	- / 40.644	- / 18.221	- / -	- / 18.221
Total Gross/Weapon System Cost			- / 27.345	- / 55.354	- / 68.296	- / 60.679	- / -	- / 60.679

*Title represents 1) the Number / Title for Items; 2) the Number / Title [DODIC] for Ammunition; and/or 3) the Number / Title (Modification Type) for Modifications.
 Note: Totals in this Exhibit P-40 set may not be exact or add due to rounding.

Justification:
 FY 2016 Base procurement dollars in the amount of \$60.679 million provide for the procurement and fielding of the RAM Warn capability to 21 BCTs and 9 Army Pre-positioned Stocks (APS) equipment sets, C-RAM Intercept fielding to 5-5 and 2-44 ADA, and sustainment support for C-RAM Intercept at 5-5 ADA.

UNCLASSIFIED

Exhibit P-5, Cost Analysis: PB 2016 Army		Date: February 2015
Appropriation / Budget Activity / Budget Sub Activity: 2035A / 02 / 86		P-1 Line Item Number / Title: BZ0501 / Indirect Fire Protection Family Of Systems
		Item Number / Title [DODIC]: H30503 / Rocket, Artillery, Mortar (RAM) Warn

ID Code (A=Service Ready, B=Not Service Ready) :	MDAP/MAIS Code:
---	------------------------

Resource Summary	Prior Years	FY 2014	FY 2015	FY 2016 Base	FY 2016 OCO	FY 2016 Total
Procurement Quantity (Units in Each)	16	55	184	312	-	312
Gross/Weapon System Cost (\$ in Millions)	27.345	11.929	27.652	42.458	-	42.458
Less PY Advance Procurement (\$ in Millions)	-	-	-	-	-	-
Net Procurement (P1) (\$ in Millions)	27.345	11.929	27.652	42.458	-	42.458
Plus CY Advance Procurement (\$ in Millions)	-	-	-	-	-	-
Total Obligation Authority (\$ in Millions)	27.345	11.929	27.652	42.458	-	42.458

(The following Resource Summary rows are for informational purposes only. The corresponding budget requests are documented elsewhere.)

Initial Spares (\$ in Millions)	-	-	-	-	-	-
Gross/Weapon System Unit Cost (\$ in Thousands)	1,709.063	216.891	150.283	136.083	-	136.083

Note: Subtotals or Totals in this Exhibit P-5 may not be exact or add, due to rounding.

Cost Elements	Prior Years			FY 2014			FY 2015			FY 2016 Base			FY 2016 OCO			FY 2016 Total		
	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)
Flyaway Cost																		
Recurring Cost																		
1. Hardware & Integration ^(†)	1,425.438	16	22.807	161.145	55	8.863	123.054	184	22.642	110.599	312	34.507	-	-	-	110.599	312	34.507
2. Fielding	-	-	2.747	-	-	1.164	-	-	3.072	-	-	5.976	-	-	-	-	-	5.976
3. Program Management	-	-	1.791	-	-	1.902	-	-	1.938	-	-	1.975	-	-	-	-	-	1.975
<i>Subtotal: Recurring Cost</i>	-	-	27.345	-	-	11.929	-	-	27.652	-	-	42.458	-	-	-	-	-	42.458
<i>Subtotal: Flyaway Cost</i>	-	-	27.345	-	-	11.929	-	-	27.652	-	-	42.458	-	-	-	-	-	42.458
Gross/Weapon System Cost	1,709.063	16	27.345	216.891	55	11.929	150.283	184	27.652	136.083	312	42.458	-	-	-	136.083	312	42.458

Secondary Distribution		FY 2014	FY 2015	FY 2016 Base	FY 2016 OCO	FY 2016 Total
Army	Quantity	55	184	114	-	114
	Total Obligation Authority	11.929	27.652	16.622	-	16.622
ANG	Quantity	-	-	198	-	198
	Total Obligation Authority	-	-	25.836	-	25.836
Total: Secondary Distribution	Quantity	55	184	312	-	312
	Total Obligation Authority	11.929	27.652	42.458	-	42.458

UNCLASSIFIED

Exhibit P-5, Cost Analysis: PB 2016 Army		Date: February 2015
Appropriation / Budget Activity / Budget Sub Activity: 2035A / 02 / 86	P-1 Line Item Number / Title: BZ0501 / Indirect Fire Protection Family Of Systems	Item Number / Title [DODIC]: H30503 / Rocket, Artillery, Mortar (RAM) Warn
ID Code (A=Service Ready, B=Not Service Ready) :		MDAP/MAIS Code:
^(†) indicates the presence of a P-5a		

UNCLASSIFIED

Exhibit P-5a, Procurement History and Planning: PB 2016 Army							Date: February 2015					
Appropriation / Budget Activity / Budget Sub Activity: 2035A / 02 / 86			P-1 Line Item Number / Title: BZ0501 / Indirect Fire Protection Family Of Systems				Item Number / Title [DODIC]: H30503 / Rocket, Artillery, Mortar (RAM) Warn					

Cost Elements	O C O	FY	Contractor and Location	Method/Type or Funding Vehicle	Location of PCO	Award Date	Date of First Delivery	Qty <i>(Each)</i>	Unit Cost <i>(\$ K)</i>	Specs Avail Now?	Date Revision Available	RFP Issue Date
1. Hardware & Integration		2014	Northrop Grumman / Huntsville, AL	SS / CPFF	AMCOM	Aug 2014	Mar 2015	55	161.145			
1. Hardware & Integration		2015	Northrop Grumman / Huntsville, AL	SS / IDIQ	AMCOM	Jun 2015	Jan 2016	184	123.054			
1. Hardware & Integration		2016	Northrop Grumman / Huntsville, AL	SS / IDIQ	AMCOM	Oct 2015	Apr 2016	312	110.599			

Remarks:

RAM Warn is a hardware integration effort employing COTS and existing GOTS hardware.

Note: Procurement quantities for prior years are based on numbers of BCTs and APS sets as opposed to Line Item Numbers (LIN).

UNCLASSIFIED

Exhibit P-5, Cost Analysis: PB 2016 Army **Date:** February 2015

Appropriation / Budget Activity / Budget Sub Activity: 2035A / 02 / 86	P-1 Line Item Number / Title: BZ0501 / Indirect Fire Protection Family Of Systems	Item Number / Title [DODIC]: H30504 / C-RAM Enhancements
--	---	--

ID Code (A=Service Ready, B=Not Service Ready) : **MDAP/MAIS Code:**

Resource Summary	Prior Years	FY 2014	FY 2015	FY 2016 Base	FY 2016 OCO	FY 2016 Total
Procurement Quantity <i>(Units in Each)</i>	-	-	-	-	-	-
Gross/Weapon System Cost <i>(\$ in Millions)</i>	-	43.425	40.644	18.221	-	18.221
Less PY Advance Procurement <i>(\$ in Millions)</i>	-	-	-	-	-	-
Net Procurement (P1) <i>(\$ in Millions)</i>	-	43.425	40.644	18.221	-	18.221
Plus CY Advance Procurement <i>(\$ in Millions)</i>	-	-	-	-	-	-
Total Obligation Authority <i>(\$ in Millions)</i>	-	43.425	40.644	18.221	-	18.221

(The following Resource Summary rows are for informational purposes only. The corresponding budget requests are documented elsewhere.)

Initial Spares <i>(\$ in Millions)</i>	-	-	-	-	-	-
Gross/Weapon System Unit Cost <i>(\$ in Thousands)</i>	-	-	-	-	-	-

Note: Subtotals or Totals in this Exhibit P-5 may not be exact or add, due to rounding.

Cost Elements	Prior Years			FY 2014			FY 2015			FY 2016 Base			FY 2016 OCO			FY 2016 Total		
	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)
Flyaway Cost																		
Recurring Cost																		
Hardware & Integration	-	-	-	-	-	7.985	-	-	-	-	-	-	-	-	-	-	-	-
Logistics/Fielding/CLS	-	-	-	-	-	31.590	-	-	37.010	-	-	14.518	-	-	-	-	-	14.518
Program Management	-	-	-	-	-	3.850	-	-	3.634	-	-	3.703	-	-	-	-	-	3.703
<i>Subtotal: Recurring Cost</i>	-	-	-	-	-	43.425	-	-	40.644	-	-	18.221	-	-	-	-	-	18.221
<i>Subtotal: Flyaway Cost</i>	-	-	-	-	-	43.425	-	-	40.644	-	-	18.221	-	-	-	-	-	18.221
Gross/Weapon System Cost	-	-	-	-	-	43.425	-	-	40.644	-	-	18.221	-	-	-	-	-	18.221

Secondary Distribution		FY 2014	FY 2015	FY 2016 Base	FY 2016 OCO	FY 2016 Total
Army	Quantity	-	-	-	-	-
	Total Obligation Authority	43.425	40.644	18.221	-	18.221
Total:	Quantity	-	-	-	-	-
Secondary Distribution	Total Obligation Authority	43.425	40.644	18.221	-	18.221

UNCLASSIFIED

Exhibit P-40, Budget Line Item Justification: PB 2016 Army **Date:** February 2015

Appropriation / Budget Activity / Budget Sub Activity: 2035A: Other Procurement, Army / BA 02: Communications and Electronics Equipment / BSA 86: Elect Equip - Tactical Surv. (Tac Surv)	P-1 Line Item Number / Title: K22001 / FAMILY OF WEAPON SIGHTS (FWS)
--	--

ID Code (A=Service Ready, B=Not Service Ready) :		Program Elements for Code B Items:					Other Related Program Elements:					
Resource Summary	Prior Years	FY 2014	FY 2015	FY 2016 Base	FY 2016 OCO	FY 2016 Total	FY 2017	FY 2018	FY 2019	FY 2020	To Complete	Total
Procurement Quantity (Units in Each)	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Cost (\$ in Millions)	2,650.774	10.074	31.205	53.453	-	53.453	74.955	121.805	165.576	210.580	Continuing	Continuing
Less PY Advance Procurement (\$ in Millions)	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P1) (\$ in Millions)	2,650.774	10.074	31.205	53.453	-	53.453	74.955	121.805	165.576	210.580	Continuing	Continuing
Plus CY Advance Procurement (\$ in Millions)	-	-	-	-	-	-	-	-	-	-	-	-
Total Obligation Authority (\$ in Millions)	2,650.774	10.074	31.205	53.453	-	53.453	74.955	121.805	165.576	210.580	Continuing	Continuing
<i>(The following Resource Summary rows are for informational purposes only. The corresponding budget requests are documented elsewhere.)</i>												
Initial Spares (\$ in Millions)	-	-	-	-	-	-	-	-	-	-	-	-
Flyaway Unit Cost (\$ in Thousands)	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Unit Cost (\$ in Thousands)	-	-	-	10.066	-	10.066	-	-	-	-	Continuing	Continuing

Description:

Family of Weapons Sights (FWS) consist of Individual (I), Crew-Served (CS), Sniper (S) variants, and the Thermal Weapon Sight (TWS). The AAO for the TWS was completed with the FY12 procurement. The FWS variant family will increase lethality and improve situational awareness by extending the range a Warfighter can recognize potential targets. The FWS-I (Milestone C is FY16) reduces target engagement time in both day and night conditions through Rapid Target Acquisition (RTA). The FWS-CS (Milestone C is FY18) will enable a crew served weapon gunner to more accurately engage targets in less time by utilizing a Head Mounted Display and disturbed reticle that adjusts the aim point. The FWS-S (Milestone C is FY18) will provide greater detection, recognition and aiding in identification at greater ranges during periods of darkness and limited visibility.

Secondary Distribution		FY 2014	FY 2015	FY 2016 Base	FY 2016 OCO	FY 2016 Total	FY 2017	FY 2018	FY 2019	FY 2020
Army	Quantity	-	-	-	-	-	-	-	-	-
	Total Obligation Authority	10.074	27.205	42.409	-	42.409	60.761	106.304	147.465	190.235
ANG	Quantity	-	-	-	-	-	-	-	-	-
	Total Obligation Authority	-	4.000	11.044	-	11.044	14.194	15.501	18.111	20.345
Total: Secondary Distribution	Quantity	-	-	-	-	-	-	-	-	-
	Total Obligation Authority	10.074	31.205	53.453	-	53.453	74.955	121.805	165.576	210.580

UNCLASSIFIED

Exhibit P-40, Budget Line Item Justification: PB 2016 Army **Date:** February 2015

Appropriation / Budget Activity / Budget Sub Activity: 2035A: Other Procurement, Army / BA 02: Communications and Electronics Equipment / BSA 86: Elect Equip - Tactical Surv. (Tac Surv)	P-1 Line Item Number / Title: K22001 / FAMILY OF WEAPON SIGHTS (FWS)
---	--

ID Code (A=Service Ready, B=Not Service Ready) :			Program Elements for Code B Items:			Other Related Program Elements:		
Exhibits Schedule			Prior Years	FY 2014	FY 2015	FY 2016 Base	FY 2016 OCO	FY 2016 Total
Title*	Exhibits	ID CD	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)
K22002 / FWS-INDIVIDUAL	P-5, P-5a, P-21		- / -	- / -	1,053 / 31.205	5,310 / 53.453	- / -	5,310 / 53.453
K22900 / Night Vision, Thermal Wpn Sight	P-5		- / 329.118	- / 10.074	- / -	- / -	- / -	- / -
Total Gross/Weapon System Cost			- / 2,650.774	- / 10.074	- / 31.205	- / 53.453	- / -	- / 53.453

*Title represents 1) the Number / Title for Items; 2) the Number / Title [DODIC] for Ammunition; and/or 3) the Number / Title (Modification Type) for Modifications.
 Note: Totals in this Exhibit P-40 set may not be exact or add due to rounding.

Justification:
 FY 2016 Base procurement dollars, in the amount of \$53.453 million, procures 5,310 FWS-I systems for Production Qualification Testing (PQT) and Low Rate Initial Production (LRIP).

In accordance with Section 1815 of the FY 2008 National Defense Authorization Act (P.L. 110-181), this item is necessary for use by the active and reserve components of the Armed Forces for homeland defense missions, domestic emergency responses, and providing military support to civil authorities.

UNCLASSIFIED

Exhibit P-5, Cost Analysis: PB 2016 Army		Date: February 2015
Appropriation / Budget Activity / Budget Sub Activity: 2035A / 02 / 86	P-1 Line Item Number / Title: K22001 / FAMILY OF WEAPON SIGHTS (FWS)	Item Number / Title [DODIC]: K22002 / FWS-INDIVIDUAL

ID Code (A=Service Ready, B=Not Service Ready) :				MDAP/MAIS Code:			
Resource Summary		Prior Years	FY 2014	FY 2015	FY 2016 Base	FY 2016 OCO	FY 2016 Total
Procurement Quantity <i>(Units in Each)</i>		-	-	1,053	5,310	-	5,310
Gross/Weapon System Cost <i>(\$ in Millions)</i>		-	-	31.205	53.453	-	53.453
Less PY Advance Procurement <i>(\$ in Millions)</i>		-	-	-	-	-	-
Net Procurement (P1) <i>(\$ in Millions)</i>		-	-	31.205	53.453	-	53.453
Plus CY Advance Procurement <i>(\$ in Millions)</i>		-	-	-	-	-	-
Total Obligation Authority <i>(\$ in Millions)</i>		-	-	31.205	53.453	-	53.453
<i>(The following Resource Summary rows are for informational purposes only. The corresponding budget requests are documented elsewhere.)</i>							
Initial Spares <i>(\$ in Millions)</i>		-	-	-	-	-	-
Gross/Weapon System Unit Cost <i>(\$ in Thousands)</i>		-	-	29.634	10.066	-	10.066

Note: Subtotals or Totals in this Exhibit P-5 may not be exact or add, due to rounding.

Cost Elements	Prior Years			FY 2014			FY 2015			FY 2016 Base			FY 2016 OCO			FY 2016 Total		
	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)
Flyaway Cost																		
Recurring Cost																		
FWS - I Hardware (Test Assets) ^(f)	-	-	-	-	-	-	66.861	208	13.907	66.861	208	13.907	-	-	-	66.861	208	13.907
FWS - I Hardware (LRIP Assets) ^(f)	-	-	-	-	-	-	5.301	845	4.479	5.301	5,102	27.044	-	-	-	5.301	5,102	27.044
Program Management Support	-	-	-	-	-	-	-	-	2.319	-	-	2.472	-	-	-	-	-	2.472
Government Engineering Support	-	-	-	-	-	-	-	-	1.500	-	-	1.107	-	-	-	-	-	1.107
Fielding	-	-	-	-	-	-	-	-	2.000	-	-	2.307	-	-	-	-	-	2.307
Engineering Change Proposal	-	-	-	-	-	-	-	-	1.000	-	-	0.811	-	-	-	-	-	0.811
Testing	-	-	-	-	-	-	-	-	1.500	-	-	1.228	-	-	-	-	-	1.228
Ancillary Support	-	-	-	-	-	-	-	-	1.500	-	-	1.765	-	-	-	-	-	1.765
Documentation	-	-	-	-	-	-	-	-	3.000	-	-	2.810	-	-	-	-	-	2.810
<i>Subtotal: Recurring Cost</i>	-	-	-	-	-	-	-	-	31.205	-	-	53.453	-	-	-	-	-	53.453
<i>Subtotal: Flyaway Cost</i>	-	-	-	-	-	-	-	-	31.205	-	-	53.453	-	-	-	-	-	53.453
Gross/Weapon System Cost	-	-	-	-	-	-	29.634	1,053	31.205	10.066	5,310	53.453	-	-	-	10.066	5,310	53.453

UNCLASSIFIED

Exhibit P-5, Cost Analysis: PB 2016 Army **Date:** February 2015

Appropriation / Budget Activity / Budget Sub Activity: 2035A / 02 / 86	P-1 Line Item Number / Title: K22001 / FAMILY OF WEAPON SIGHTS (FWS)	Item Number / Title [DODIC]: K22002 / FWS-INDIVIDUAL
--	--	--

ID Code (A=Service Ready, B=Not Service Ready) :	MDAP/MAIS Code:
---	------------------------

Secondary Distribution		FY 2014	FY 2015	FY 2016 Base	FY 2016 OCO	FY 2016 Total
Army	Quantity	-	918	4,213	-	4,213
	Total Obligation Authority	-	27.205	42.409	-	42.409
ANG	Quantity	-	135	1,097	-	1,097
	Total Obligation Authority	-	4.000	11.044	-	11.044
Total: Secondary Distribution	Quantity	-	1,053	5,310	-	5,310
	Total Obligation Authority	-	31.205	53.453	-	53.453

(†) indicates the presence of a P-5a

UNCLASSIFIED

Exhibit P-5a, Procurement History and Planning: PB 2016 Army **Date:** February 2015

Appropriation / Budget Activity / Budget Sub Activity: 2035A / 02 / 86	P-1 Line Item Number / Title: K22001 / FAMILY OF WEAPON SIGHTS (FWS)	Item Number / Title [DODIC]: K22002 / FWS-INDIVIDUAL
--	--	--

Cost Elements	O C O	FY	Contractor and Location	Method/Type or Funding Vehicle	Location of PCO	Award Date	Date of First Delivery	Qty <i>(Each)</i>	Unit Cost <i>(\$ K)</i>	Specs Avail Now?	Date Revision Available	RFP Issue Date
FWS - I Hardware (Test Assets) ^(†)		2016	TBD / TBD	C / IDIQ	ACC-APG	Jul 2016	Oct 2016	208	66.861	N		
FWS - I Hardware (LRIP Assets) ^(†)		2016	TBD / TBD	C / IDIQ	ACC-APG	Jul 2017	Sep 2017	5,102	5.301	N		

^(†) indicates the presence of a P-21

Remarks:

The May 2014 FWS-I Engineering and Manufacturing Development/ Low Rate Initial Production contracts, awarded to BAE Systems and DRS, RSTA, Inc, were protested by Raytheon. A subsequent reconvened Source Selection upheld the original awards in December 2014. A protest was again levied by Raytheon and a stop work order was issued, on both contracts, until resolution. On 13 January 2015, the stop work order was lifted on the DRS contract.

UNCLASSIFIED

Exhibit P-21, Production Schedule: PB 2016 Army **Date:** February 2015

Appropriation / Budget Activity / Budget Sub Activity: 2035A / 02 / 86 **P-1 Line Item Number / Title:** K22001 / FAMILY OF WEAPON SIGHTS (FWS) **Item Number / Title [DODIC]:** K22002 / FWS-INDIVIDUAL

Cost Elements <i>(Units in Each)</i>						Fiscal Year 2016												Fiscal Year 2017												
O C C O	M F R #	FY	SERVICE	PROC QTY	ACCEPT PRIOR TO 1 OCT 2015	BAL DUE AS OF 1 OCT	Calendar Year 2016												Calendar Year 2017											
							O C T	N O V	D E C	J A N	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
FWS - I Hardware (Test Assets)																														
1	2016	ARMY (XIV)	208	-	208																									
FWS - I Hardware (LRIP Assets)																														
2	2016	ARMY (XV)	5,102	-	5,102																									
						O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	B A L

UNCLASSIFIED

Exhibit P-21, Production Schedule: PB 2016 Army **Date:** February 2015

Appropriation / Budget Activity / Budget Sub Activity: 2035A / 02 / 86	P-1 Line Item Number / Title: K22001 / FAMILY OF WEAPON SIGHTS (FWS)	Item Number / Title [DODIC]: K22002 / FWS-INDIVIDUAL
--	--	--

Cost Elements <i>(Units in Each)</i>						Fiscal Year 2018												Fiscal Year 2019													
O C C O	M F R #	FY	SERVICE	PROC QTY	ACCEPT PRIOR TO 1 OCT 2017	BAL DUE AS OF 1 OCT	Calendar Year 2018												Calendar Year 2019												
							O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	B A L
FWS - I Hardware (Test Assets)																															
	1	2016	ARMY (XIV)	208	208	-																									
FWS - I Hardware (LRIP Assets)																															
	2	2016	ARMY (XV)	5,102	426	4,676	426	426	426	426	426	426	426	426	426	426															
							O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	B A L

UNCLASSIFIED

Exhibit P-21, Production Schedule: PB 2016 Army	Date: February 2015
--	----------------------------

Appropriation / Budget Activity / Budget Sub Activity: 2035A / 02 / 86	P-1 Line Item Number / Title: K22001 / FAMILY OF WEAPON SIGHTS (FWS)	Item Number / Title [DODIC]: K22002 / FWS-INDIVIDUAL
--	--	--

MFR Ref #	MFR Name - Location	Production Rates (Each / Month)			Procurement Leadtime (Months)							
		MSR For 2016	1-8-5 For 2016	MAX For 2016	Initial				Reorder			
					ALT Prior to Oct 1	ALT After Oct 1	Mfg PLT	Total After Oct 1	ALT Prior to Oct 1	ALT After Oct 1	Mfg PLT	Total After Oct 1
1	TBD - TBD	15	580	1,000	2	11	4	15	2	11	3	14
2	TBD - TBD	15	580	1,000	2	11	4	15	2	11	3	14

Remarks:
 The May 2014 FWS-I Engineering and Manufacturing Development/ Low Rate Initial Production contracts, awarded to BAE Systems and DRS, RSTA, Inc, were protested by Raytheon. A subsequent reconvened Source Selection upheld the original awards in December 2014. A protest was again levied by Raytheon and a stop work order was issued, on both contracts, until resolution. On 13 January 2015, the stop work order was lifted on the DRS contract.

"A" in the Delivery Schedule indicates the Contract Award Date.
 Note: Due to space limitations, quantities in the Exhibit P-21 delivery calendar are truncated and rounded based on the maximum quantity in the calendar as follows. If the maximum quantity is less than or equal to than 9,999, all quantities are shown as each. If the maximum quantity is between 10,000 and 999,999 all quantities are shown in thousands. If the maximum quantity is between 1,000,000 and 999,999,999 all quantities are shown in millions (rounded to the nearest thousand).If the maximum quantity is equal or greater than 1,000,000,000 all quantities are shown in billions (rounded to the nearest million).

Service/Agency Suffixes:

(XIV) BASE

(XV) BASE

UNCLASSIFIED

Exhibit P-5, Cost Analysis: PB 2016 Army		Date: February 2015
Appropriation / Budget Activity / Budget Sub Activity: 2035A / 02 / 86	P-1 Line Item Number / Title: K22001 / FAMILY OF WEAPON SIGHTS (FWS)	Item Number / Title [DODIC]: K22900 / Night Vision, Thermal Wpn Sight

ID Code (A=Service Ready, B=Not Service Ready) :	MDAP/MAIS Code:
---	------------------------

Resource Summary	Prior Years	FY 2014	FY 2015	FY 2016 Base	FY 2016 OCO	FY 2016 Total
Procurement Quantity <i>(Units in Each)</i>	-	-	-	-	-	-
Gross/Weapon System Cost <i>(\$ in Millions)</i>	329.118	10.074	-	-	-	-
Less PY Advance Procurement <i>(\$ in Millions)</i>	-	-	-	-	-	-
Net Procurement (P1) <i>(\$ in Millions)</i>	329.118	10.074	-	-	-	-
Plus CY Advance Procurement <i>(\$ in Millions)</i>	-	-	-	-	-	-
Total Obligation Authority <i>(\$ in Millions)</i>	329.118	10.074	-	-	-	-

(The following Resource Summary rows are for informational purposes only. The corresponding budget requests are documented elsewhere.)

Initial Spares <i>(\$ in Millions)</i>	-	-	-	-	-	-
Gross/Weapon System Unit Cost <i>(\$ in Thousands)</i>	-	-	-	-	-	-

Note: Subtotals or Totals in this Exhibit P-5 may not be exact or add, due to rounding.

Cost Elements	Prior Years			FY 2014			FY 2015			FY 2016 Base			FY 2016 OCO			FY 2016 Total		
	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)
Flyaway Cost																		
Recurring Cost																		
Government Engineering Support	-	-	23.727	-	-	1.673	-	-	-	-	-	-	-	-	-	-	-	-
Project Management Admin	-	-	108.048	-	-	6.672	-	-	-	-	-	-	-	-	-	-	-	-
Fielding Activities	8.819	22,377	197.349	-	-	1.729	-	-	-	-	-	-	-	-	-	-	-	-
<i>Subtotal: Recurring Cost</i>	-	-	329.118	-	-	10.074	-	-	-	-	-	-	-	-	-	-	-	-
<i>Subtotal: Flyaway Cost</i>	-	-	329.118	-	-	10.074	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Cost	-	-	329.118	-	-	10.074	-	-	-	-	-	-	-	-	-	-	-	-

Secondary Distribution	FY 2014	FY 2015	FY 2016 Base	FY 2016 OCO	FY 2016 Total
Army					
Quantity	-	-	-	-	-
Total Obligation Authority	10.074	-	-	-	-
Total: Secondary Distribution					
Quantity	-	-	-	-	-
Total Obligation Authority	10.074	-	-	-	-

UNCLASSIFIED

Exhibit P-40, Budget Line Item Justification: PB 2016 Army **Date:** February 2015

Appropriation / Budget Activity / Budget Sub Activity: 2035A: Other Procurement, Army / BA 02: Communications and Electronics Equipment / BSA 86: Elect Equip - Tactical Surv. (Tac Surv)	P-1 Line Item Number / Title: AD3200 / Artillery Accuracy Equip
--	---

ID Code (A=Service Ready, B=Not Service Ready) : A	Program Elements for Code B Items:						Other Related Program Elements:					
Resource Summary	Prior Years	FY 2014	FY 2015	FY 2016 Base	FY 2016 OCO	FY 2016 Total	FY 2017	FY 2018	FY 2019	FY 2020	To Complete	Total
Procurement Quantity (Units in Each)	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Cost (\$ in Millions)	241.114	2.634	4.896	3.338	-	3.338	4.219	2.128	-	-	-	258.329
Less PY Advance Procurement (\$ in Millions)	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P1) (\$ in Millions)	241.114	2.634	4.896	3.338	-	3.338	4.219	2.128	-	-	-	258.329
Plus CY Advance Procurement (\$ in Millions)	-	-	-	-	-	-	-	-	-	-	-	-
Total Obligation Authority (\$ in Millions)	241.114	2.634	4.896	3.338	-	3.338	4.219	2.128	-	-	-	258.329

(The following Resource Summary rows are for informational purposes only. The corresponding budget requests are documented elsewhere.)

Initial Spares (\$ in Millions)	-	-	-	-	-	-	-	-	-	-	-	-
Flyaway Unit Cost (\$ in Thousands)	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Unit Cost (\$ in Thousands)	-	-	-	-	-	-	-	-	-	-	-	-

Description:

The Improved Position and Azimuth Determining System (IPADS) provided common inertial survey control for all U.S. Army and Marine Corps Field Artillery, Mortar, Artillery Meteorological and Radar systems. The IPADS, enhanced with the Global Positioning System (GPS) (IPADS-G), will address deficiencies of the fire support community by providing the ability to maintain the current accuracy of the IPADS without stopping for zero velocity updates, therefore increasing artillery timeliness, availability of fires, lethality, survivability, and force protection on extended convoys or artillery missions. The IPADS-G may be aided by an internal GPS receiver; however, it must also be capable of operating in an inertial fashion independently of GPS aiding.

Secondary Distribution		FY 2014	FY 2015	FY 2016 Base	FY 2016 OCO	FY 2016 Total	FY 2017	FY 2018	FY 2019	FY 2020
Army	Quantity	-	-	-	-	-	-	-	-	-
	Total Obligation Authority	1.100	3.196	1.669	-	1.669	1.458	1.064	-	-
ANG	Quantity	-	-	-	-	-	-	-	-	-
	Total Obligation Authority	1.534	1.700	1.669	-	1.669	2.761	1.064	-	-
Total: Secondary Distribution	Quantity	-	-	-	-	-	-	-	-	-
	Total Obligation Authority	2.634	4.896	3.338	-	3.338	4.219	2.128	-	-

UNCLASSIFIED

Exhibit P-40, Budget Line Item Justification: PB 2016 Army **Date:** February 2015

Appropriation / Budget Activity / Budget Sub Activity: 2035A: Other Procurement, Army / BA 02: Communications and Electronics Equipment / BSA 86: Elect Equip - Tactical Surv. (Tac Surv)	P-1 Line Item Number / Title: AD3200 / Artillery Accuracy Equip
--	---

ID Code (A=Service Ready, B=Not Service Ready) : A			Program Elements for Code B Items:			Other Related Program Elements:		
Exhibits Schedule			Prior Years	FY 2014	FY 2015	FY 2016 Base	FY 2016 OCO	FY 2016 Total
Title*	Exhibits	ID CD	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)
M75700 / POSITION AZIMUTH DETERMINING SYS (PADS)	P-40a	A	- / 241.114	- / 2.634	- / 4.896	- / 3.338	- / -	- / 3.338
Total Gross/Weapon System Cost			- / 241.114	- / 2.634	- / 4.896	- / 3.338	- / -	- / 3.338

*Title represents 1) the Number / Title for Items; 2) the Number / Title [DODIC] for Ammunition; and/or 3) the Number / Title (Modification Type) for Modifications.

Note: Totals in this Exhibit P-40 set may not be exact or add due to rounding.

Justification:
 FY2016 Base Appropriation in the amount of \$3.366 million supports the completion of the IPADS-G model conversion (\$1.152 million) and the acquisition of a Control and Display Unit replacement (\$2.214 million) to address obsolescence. The Army previously contracted for the engineering change proposal to provide the GPS upgrade to the 278 IPADS in the inventory, making them the IPADS-G model. The requested funding supports the continued fielding of the IPADS-G, including essential fielding costs including engineering support, publications, software updates, and new equipment training.

"In accordance with Section 1815 of the FY 2008 National Defense Authorization Act (P.L. 110-181), this item is necessary for use by the active and reserve components of the Armed Forces for homeland defense missions, domestic emergency responses, and providing military support to civil authorities."

UNCLASSIFIED

Exhibit P-40a, Budget Item Justification For Aggregated Items: PB 2016 Army															Date: February 2015				
Appropriation / Budget Activity / Budget Sub Activity: 2035A / 02 / 86										P-1 Line Item Number / Title: AD3200 / Artillery Accuracy Equip					Aggregated Items Title: Various				

Note: Subtotals or Totals in this Exhibit P-40a may not be exact or add, due to rounding.

Item Number / Title [DODIC]	ID CD	MDAP/MAIS Code	Prior Years			FY 2014			FY 2015			FY 2016 Base			FY 2016 OCO			FY 2016 Total		
			Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)
POSITION AZIMUTH DETERMINING SYS (PADS)																				
M75700 / POSITION AZIMUTH DETERMINING SYS (PADS)	A		-	-	241.114	-	-	2.634	-	-	4.896	-	-	3.338	-	-	-	-	-	3.338
<i>Secondary Distribution</i>																				
Army				-	-		-	1.100		-	3.196		-	1.669		-	-		-	1.669
ANG				-	-		-	1.534		-	1.700		-	1.669		-	-		-	1.669
<i>Subtotal: POSITION AZIMUTH DETERMINING SYS (PADS)</i>				-	-	241.114	-	-	2.634	-	-	4.896	-	-	3.338	-	-	-	-	3.338
Total				-	-	241.114	-	-	2.634	-	-	4.896	-	-	3.338	-	-	-	-	3.338

UNCLASSIFIED

Exhibit P-40, Budget Line Item Justification: PB 2016 Army **Date:** February 2015

Appropriation / Budget Activity / Budget Sub Activity: 2035A: Other Procurement, Army / BA 02: Communications and Electronics Equipment / BSA 86: Elect Equip - Tactical Surv. (Tac Surv)	P-1 Line Item Number / Title: K27900 / Profiler
--	---

ID Code (A=Service Ready, B=Not Service Ready) :			Program Elements for Code B Items:					Other Related Program Elements:				
Resource Summary	Prior Years	FY 2014	FY 2015	FY 2016 Base	FY 2016 OCO	FY 2016 Total	FY 2017	FY 2018	FY 2019	FY 2020	To Complete	Total
Procurement Quantity <i>(Units in Each)</i>	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Cost <i>(\$ in Millions)</i>	196.439	3.027	3.115	4.057	-	4.057	0.563	0.376	-	-	Continuing	Continuing
Less PY Advance Procurement <i>(\$ in Millions)</i>	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P1) <i>(\$ in Millions)</i>	196.439	3.027	3.115	4.057	-	4.057	0.563	0.376	-	-	Continuing	Continuing
Plus CY Advance Procurement <i>(\$ in Millions)</i>	-	-	-	-	-	-	-	-	-	-	-	-
Total Obligation Authority <i>(\$ in Millions)</i>	196.439	3.027	3.115	4.057	-	4.057	0.563	0.376	-	-	Continuing	Continuing
<i>(The following Resource Summary rows are for informational purposes only. The corresponding budget requests are documented elsewhere.)</i>												
Initial Spares <i>(\$ in Millions)</i>	-	-	-	-	-	-	-	-	-	-	-	-
Flyaway Unit Cost <i>(\$ in Thousands)</i>	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Unit Cost <i>(\$ in Thousands)</i>	-	-	-	-	-	-	-	-	-	-	-	-

Description:

The Profiler program provides meteorological (MET) wind speed, wind direction, temperature, barometric pressure, and humidity information required for use in the Advance Field Artillery Tactical Data System (AFATDS). All of these are required for precise targeting and terminal guidance. The Profiler program uses a numerical mesoscale weather model to build a four-dimensional MET model (height, width, depth, and time) that includes terrain effects. By providing more accurate MET messages, the Profiler program will enable the artillery to have a greater probability of a first round hit with indirect fire systems. This capability increases the lethality of field artillery systems such as the Multiple Launch Rocket System (MLRS), Paladin, self-propelled or towed howitzers, and mortars.

The Profiler program began with Profiler Block I which used a ground tactical meteorological (TACMET) sensor and MET data from the Air Force Weather Agency (AFWA) broadcast over communications satellites with the weather model to provide highly accurate MET data. Profiler Block III replaces the Profiler Block I and provides a networked laptop configuration that enhances system efficiencies and reduces the system's operational and logistics footprint with the elimination of support vehicles, trailers, and external sensors. The Profiler Block III configuration consists of one computer with a common operating system co-located within the tactical Command Post (CP) with a direct interface to the CP local area network (LAN). The Profiler Virtual Module system is a product improvement to Profiler Block III that can function in a manual or automatic mode allowing for an operator to manually create MET messages or for MET to be automatically generated in response to requests from any connected AFATDS computer. A significant Operations and Support cost avoidance is realized through this improved configuration. The Profiler Virtual Module will address emerging requirements and system long-term software sustainment challenges. The Profiler Virtual Module concept includes the following updates: update of the weather model; update of software architecture removing legacy Profiler Block I code and creating a modular framework; development in conjunction with the AFATDS program, including AFATDS version II, to provide increased interoperability and usability; and to enable operation of the Profiler system in a virtual machine for use in the Common Operating Environment (COE) versions 2,3,4 and 5. This concept is a flexible approach that supports use of existing Profiler Block III hardware, increased accuracy during technical refresh of hardware with higher performance computers, and virtualization on the Command Post Computing Environment (CP CE) server.

The Army Acquisition Objective (AAO) for Profiler Block I is 108.

The Army Acquisition Objective (AAO) for Profiler Block III is 136.

The Profiler Virtual Module product improvement is aligned to the current Army Force Structure and requires the refresh of Profiler Virtual Modules.

UNCLASSIFIED

Exhibit P-40, Budget Line Item Justification: PB 2016 Army **Date:** February 2015

Appropriation / Budget Activity / Budget Sub Activity: 2035A: Other Procurement, Army / BA 02: Communications and Electronics Equipment / BSA 86: Elect Equip - Tactical Surv. (Tac Surv)	P-1 Line Item Number / Title: K27900 / Profiler
--	---

ID Code (A=Service Ready, B=Not Service Ready) :	Program Elements for Code B Items:	Other Related Program Elements:
---	---	--

	Secondary Distribution	FY 2014	FY 2015	FY 2016 Base	FY 2016 OCO	FY 2016 Total	FY 2017	FY 2018	FY 2019	FY 2020
Army	Quantity	-	-	-	-	-	-	-	-	-
	Total Obligation Authority	0.285	3.115	4.057	-	4.057	0.563	0.376	-	-
ANG	Quantity	-	-	-	-	-	-	-	-	-
	Total Obligation Authority	2.742	-	-	-	-	-	-	-	-
Total: Secondary Distribution	Quantity	-	-	-	-	-	-	-	-	-
	Total Obligation Authority	3.027	3.115	4.057	-	4.057	0.563	0.376	-	-

UNCLASSIFIED

Exhibit P-40, Budget Line Item Justification: PB 2016 Army **Date:** February 2015

Appropriation / Budget Activity / Budget Sub Activity: 2035A: Other Procurement, Army / BA 02: Communications and Electronics Equipment / BSA 86: Elect Equip - Tactical Surv. (Tac Surv)	P-1 Line Item Number / Title: K27900 / Profiler
--	---

ID Code (A=Service Ready, B=Not Service Ready) :			Program Elements for Code B Items:			Other Related Program Elements:		
Exhibits Schedule			Prior Years	FY 2014	FY 2015	FY 2016 Base	FY 2016 OCO	FY 2016 Total
Title*	Exhibits	ID CD	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)
K27900 / Profiler	P-5		- / 196.439	- / 3.027	- / 3.115	- / 4.057	- / -	- / 4.057
Total Gross/Weapon System Cost			- / 196.439	- / 3.027	- / 3.115	- / 4.057	- / -	- / 4.057

*Title represents 1) the Number / Title for Items; 2) the Number / Title [DODIC] for Ammunition; and/or 3) the Number / Title (Modification Type) for Modifications.

Note: Totals in this Exhibit P-40 set may not be exact or add due to rounding.

Justification:
FY 2016 Base procurement dollars in the amount of \$4.057 million supports the fielding of Profiler Virtual Module Tech refresh systems.

The FY 2016 funding request was reduced by \$0.184 million to account for the availability of prior year balances.

"In accordance with Section 1815 of the FY 2008 National Defense Authorization Act(P.L. 110-181), this item is necessary for use by the active and reserve components of the Armed Forces for homeland defense missions, domestic emergency responses, and providing military support to civil authorities."

UNCLASSIFIED

Exhibit P-5, Cost Analysis: PB 2016 Army		Date: February 2015
Appropriation / Budget Activity / Budget Sub Activity: 2035A / 02 / 86	P-1 Line Item Number / Title: K27900 / Profiler	Item Number / Title [DODIC]: K27900 / Profiler

ID Code (A=Service Ready, B=Not Service Ready) :	MDAP/MAIS Code:
---	------------------------

Resource Summary	Prior Years	FY 2014	FY 2015	FY 2016 Base	FY 2016 OCO	FY 2016 Total
Procurement Quantity (Units in Each)	-	-	-	-	-	-
Gross/Weapon System Cost (\$ in Millions)	196.439	3.027	3.115	4.057	-	4.057
Less PY Advance Procurement (\$ in Millions)	-	-	-	-	-	-
Net Procurement (P1) (\$ in Millions)	196.439	3.027	3.115	4.057	-	4.057
Plus CY Advance Procurement (\$ in Millions)	-	-	-	-	-	-
Total Obligation Authority (\$ in Millions)	196.439	3.027	3.115	4.057	-	4.057

(The following Resource Summary rows are for informational purposes only. The corresponding budget requests are documented elsewhere.)

Initial Spares (\$ in Millions)	-	-	-	-	-	-
Gross/Weapon System Unit Cost (\$ in Thousands)	-	-	-	-	-	-

Note: Subtotals or Totals in this Exhibit P-5 may not be exact or add, due to rounding.

Cost Elements	Prior Years			FY 2014			FY 2015			FY 2016 Base			FY 2016 OCO			FY 2016 Total		
	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)
Flyaway Cost																		
Recurring Cost																		
Profiler Block III Hardware - CMD-P	363.000	136	49.368	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Profiler VirtualModule Technical Refresh	-	-	-	-	-	-	-	-	2.220	-	-	3.100	-	-	-	-	-	3.100
Tech Spt/Common Oper Environ Integ	-	-	2.000	-	-	1.108	-	-	0.393	-	-	-	-	-	-	-	-	-
Project Management Admin	-	-	11.230	-	-	0.300	-	-	0.160	-	-	0.425	-	-	-	-	-	0.425
Engineering Change Orders	-	-	4.278	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Data Reduction and Analysis	-	-	4.639	-	-	0.250	-	-	0.042	-	-	-	-	-	-	-	-	-
System Test & Evaluation	-	-	4.259	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Fielding/Transportation/NET/ICS	-	-	14.760	-	-	0.889	-	-	0.300	-	-	0.532	-	-	-	-	-	0.532
Block I defielding	-	-	0.488	-	-	0.480	-	-	-	-	-	-	-	-	-	-	-	-
Software	-	-	105.417	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
<i>Subtotal: Recurring Cost</i>	-	-	196.439	-	-	3.027	-	-	3.115	-	-	4.057	-	-	-	-	-	4.057
<i>Subtotal: Flyaway Cost</i>	-	-	196.439	-	-	3.027	-	-	3.115	-	-	4.057	-	-	-	-	-	4.057
Gross/Weapon System Cost	-	-	196.439	-	-	3.027	-	-	3.115	-	-	4.057	-	-	-	-	-	4.057

UNCLASSIFIED

Exhibit P-5, Cost Analysis: PB 2016 Army	Date: February 2015
---	----------------------------

Appropriation / Budget Activity / Budget Sub Activity: 2035A / 02 / 86	P-1 Line Item Number / Title: K27900 / Profiler	Item Number / Title [DODIC]: K27900 / Profiler
--	---	--

ID Code (A=Service Ready, B=Not Service Ready) :	MDAP/MAIS Code:
---	------------------------

Secondary Distribution		FY 2014	FY 2015	FY 2016 Base	FY 2016 OCO	FY 2016 Total
Army	Quantity	-	-	-	-	-
	Total Obligation Authority	0.285	3.115	4.057	-	4.057
ANG	Quantity	-	-	-	-	-
	Total Obligation Authority	2.742	-	-	-	-
Total: Secondary Distribution	Quantity	-	-	-	-	-
	Total Obligation Authority	3.027	3.115	4.057	-	4.057

UNCLASSIFIED

Exhibit P-40, Budget Line Item Justification: PB 2016 Army **Date:** February 2015

Appropriation / Budget Activity / Budget Sub Activity: 2035A: Other Procurement, Army / BA 02: Communications and Electronics Equipment / BSA 86: Elect Equip - Tactical Surv. (Tac Surv)	P-1 Line Item Number / Title: BZ7325 / Mod Of In-Svc Equip (Firefinder Radars)
--	--

ID Code (A=Service Ready, B=Not Service Ready) :	Program Elements for Code B Items:						Other Related Program Elements:					
Resource Summary	Prior Years	FY 2014	FY 2015	FY 2016 Base	FY 2016 OCO	FY 2016 Total	FY 2017	FY 2018	FY 2019	FY 2020	To Complete	Total
Procurement Quantity (Units in Each)	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Cost (\$ in Millions)	992.606	1.185	4.186	-	-	-	-	-	-	-	-	997.977
Less PY Advance Procurement (\$ in Millions)	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P1) (\$ in Millions)	992.606	1.185	4.186	-	-	-	-	-	-	-	-	997.977
Plus CY Advance Procurement (\$ in Millions)	-	-	-	-	-	-	-	-	-	-	-	-
Total Obligation Authority (\$ in Millions)	992.606	1.185	4.186	-	-	-	-	-	-	-	-	997.977

(The following Resource Summary rows are for informational purposes only. The corresponding budget requests are documented elsewhere.)

Initial Spares (\$ in Millions)	-	-	-	-	-	-	-	-	-	-	-	-
Flyaway Unit Cost (\$ in Thousands)	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Unit Cost (\$ in Thousands)	-	-	-	-	-	-	-	-	-	-	-	-

Description:

MOD OF IN-SERVICE EQUIPMENT (Firefinder Radars) funds the modifications to the AN/TPQ-36 Mortar Locating Radar and the AN/TPQ-37 Artillery Locating Radar. The Firefinder Radars use a combination of radar techniques and computer controlled signal processing to detect and locate enemy Rockets, Artillery and Mortar (RAM) with sufficient accuracy, and transmit the target data to appropriate counter fire elements in near real time. The AN/TPQ-36 is phased-array 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 phased-array radar with a longer target acquisition range allowing it to locate RAM. The system is configured on a M1048A1 6-ton trailer which is towed by a 5-ton prime mover. The system has a spare 5-ton cargo truck and the Operations Central (OC) is mounted on a M1113 HMMWV truck. Operationally-required software enhancements and technology insertions for parts obsolescence are necessary to maintain both radars' ability to locate current and emerging threats such as rockets normally used for direct fire. Both systems will receive a ruggedized laptop computer refresh in order to stay up to date and ensure interoperability. The new ruggedized laptop computer will be interchangeable between the AN/TPQ-36 and AN/TPQ-37.

Army Acquisition Objective (AAO):

AN/TPQ-36 - 116 (1 per Brigade Combat Team (BCT); Armored, Stryker & Light)

AN/TPQ-37 - 70 (1 per Armored and Stryker BCT; 2 per Active Component (AC) Field Artillery Brigade; 1 per AC Division Artillery; 1 per National Guard (NG) Fires Brigade)

Secondary Distribution	FY 2014	FY 2015	FY 2016 Base	FY 2016 OCO	FY 2016 Total	FY 2017	FY 2018	FY 2019	FY 2020
Army									
Quantity	-	-	-	-	-	-	-	-	-
Total Obligation Authority	1.185	4.186	-	-	-	-	-	-	-
Total:									
Quantity	-	-	-	-	-	-	-	-	-
Total Obligation Authority	1.185	4.186	-	-	-	-	-	-	-

UNCLASSIFIED

Exhibit P-40, Budget Line Item Justification: PB 2016 Army		Date: February 2015
Appropriation / Budget Activity / Budget Sub Activity: 2035A: Other Procurement, Army / BA 02: Communications and Electronics Equipment / BSA 86: Elect Equip - Tactical Surv. (Tac Surv)		P-1 Line Item Number / Title: BZ7325 / Mod Of In-Svc Equip (Firefinder Radars)
ID Code (A=Service Ready, B=Not Service Ready) :	Program Elements for Code B Items:	Other Related Program Elements:
Justification: There is no FY 2016 Base procurement funding request.		

UNCLASSIFIED

Exhibit P-40, Budget Line Item Justification: PB 2016 Army **Date:** February 2015

Appropriation / Budget Activity / Budget Sub Activity: 2035A: Other Procurement, Army / BA 02: Communications and Electronics Equipment / BSA 86: Elect Equip - Tactical Surv. (Tac Surv)	P-1 Line Item Number / Title: W61990 / JOINT BATTLE COMMAND - PLATFORM (JBC-P)
--	--

ID Code (A=Service Ready, B=Not Service Ready) :	Program Elements for Code B Items:	Other Related Program Elements: 0203759A, 0604805A
---	---	---

Resource Summary	Prior Years	FY 2014	FY 2015	FY 2016 Base	FY 2016 OCO	FY 2016 Total	FY 2017	FY 2018	FY 2019	FY 2020	To Complete	Total
Procurement Quantity <i>(Units in Each)</i>	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Cost <i>(\$ in Millions)</i>	287.763	65.379	87.892	133.339	-	133.339	136.537	131.990	134.955	144.360	Continuing	Continuing
Less PY Advance Procurement <i>(\$ in Millions)</i>	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P1) <i>(\$ in Millions)</i>	287.763	65.379	87.892	133.339	-	133.339	136.537	131.990	134.955	144.360	Continuing	Continuing
Plus CY Advance Procurement <i>(\$ in Millions)</i>	-	-	-	-	-	-	-	-	-	-	-	-
Total Obligation Authority <i>(\$ in Millions)</i>	287.763	65.379	87.892	133.339	-	133.339	136.537	131.990	134.955	144.360	Continuing	Continuing

(The following Resource Summary rows are for informational purposes only. The corresponding budget requests are documented elsewhere.)

Initial Spares <i>(\$ in Millions)</i>	-	-	-	-	-	-	-	-	-	-	-	-
Flyaway Unit Cost <i>(\$ in Thousands)</i>	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Unit Cost <i>(\$ in Thousands)</i>	555.527	131.283	33.521	-	-	-	48.161	40.738	33.883	41.735	Continuing	Continuing

Description:

The Joint Battle Command - Platform (JBC-P) program is the cornerstone of joint forces Command and Control (C2) Situational Awareness (SA) and communications. JBC-P provides secure Blue Force Tracking capability in Platforms and Command Posts, providing soldiers and commanders a map-based Common Operating Picture of the battlefield, and as a result, reducing fratricide.

The JBC-P program fields hardware (vehicle platform computer systems, satellite transceivers, encryption devices, and ancillary equipment), software capabilities, and will leverage the Army's previous equipment investments by installing the new JBC-P software on new hardware as well as existing Force XXI Battle Command Brigade and Below (FBCB2) computer systems.

JBC-P serves a primary role as the basis of the Mounted Computing Environment (MCE), one of six (6) environments within the Common Operating Environment (COE) framework. The COE is an approved set of computing technologies and standards that enable secure and interoperable applications to be rapidly developed and executed across a variety of computing environments. Future development of the MCE will leverage JBC-P hardware and software to consolidate and integrate multiple warfighting systems in the Platform (Mounted) environment. This integrated MCE, with its open standards, enhanced interoperability, and simplified end-user interface, will speed delivery of the new Mission Command applications to the warfighter while improving the effectiveness and value of current systems.

Secondary Distribution	FY 2014	FY 2015	FY 2016 Base	FY 2016 OCO	FY 2016 Total	FY 2017	FY 2018	FY 2019	FY 2020
Army	-	-	-	-	-	-	-	-	-
Quantity	-	-	-	-	-	-	-	-	-
Total Obligation Authority	46.772	61.951	97.395	-	97.395	99.817	97.080	98.695	104.066
ANG	-	-	-	-	-	-	-	-	-
Quantity	-	-	-	-	-	-	-	-	-
Total Obligation Authority	10.883	15.173	23.960	-	23.960	24.380	23.240	24.440	26.230
AR	-	-	-	-	-	-	-	-	-
Quantity	-	-	-	-	-	-	-	-	-
Total Obligation Authority	7.724	10.768	11.984	-	11.984	12.340	11.670	11.820	14.064

UNCLASSIFIED

Exhibit P-40, Budget Line Item Justification: PB 2016 Army **Date:** February 2015

Appropriation / Budget Activity / Budget Sub Activity: 2035A: Other Procurement, Army / BA 02: Communications and Electronics Equipment / BSA 86: Elect Equip - Tactical Surv. (Tac Surv)	P-1 Line Item Number / Title: W61990 / JOINT BATTLE COMMAND - PLATFORM (JBC-P)
--	--

ID Code (A=Service Ready, B=Not Service Ready) :	Program Elements for Code B Items:	Other Related Program Elements: 0203759A, 0604805A
---	---	---

Secondary Distribution		FY 2014	FY 2015	FY 2016 Base	FY 2016 OCO	FY 2016 Total	FY 2017	FY 2018	FY 2019	FY 2020
Total:	Quantity	-	-	-	-	-	-	-	-	-
Secondary Distribution	Total Obligation Authority	65.379	87.892	133.339	-	133.339	136.537	131.990	134.955	144.360

UNCLASSIFIED

Exhibit P-40, Budget Line Item Justification: PB 2016 Army **Date:** February 2015

Appropriation / Budget Activity / Budget Sub Activity: 2035A: Other Procurement, Army / BA 02: Communications and Electronics Equipment / BSA 86: Elect Equip - Tactical Surv. (Tac Surv)	P-1 Line Item Number / Title: W61990 / JOINT BATTLE COMMAND - PLATFORM (JBC-P)
---	--

ID Code (A=Service Ready, B=Not Service Ready) :	Program Elements for Code B Items:	Other Related Program Elements: 0203759A, 0604805A
---	---	---

Exhibits Schedule			Prior Years	FY 2014	FY 2015	FY 2016 Base	FY 2016 OCO	FY 2016 Total
Title*	Exhibits	ID CD	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)
W61990 / JOINT BATTLE COMMAND - PLATFORM (JBC-P)	P-5, P-5a, P-21		- / 287.763	- / 65.379	- / 87.892	- / 133.339	- / -	- / 133.339
Total Gross/Weapon System Cost			- / 287.763	- / 65.379	- / 87.892	- / 133.339	- / -	- / 133.339

*Title represents 1) the Number / Title for Items; 2) the Number / Title [DODIC] for Ammunition; and/or 3) the Number / Title (Modification Type) for Modifications.

Note: Totals in this Exhibit P-40 set may not be exact or add due to rounding.

Justification:

Fiscal Year 2016 Base Procurement dollars in the amount of \$133.339 million supports the procurement of 2,988 vehicle platform computer systems, 300 Command Post systems, satellite transceivers, encryption devices, ancillary equipment, program management support, training, fielding, publications, support equipment, and Post Deployment Software and Support (PDSS).

In accordance with Section 1815 of the FY 2008 National Defense Authorization Act (P.L. 110-181), this item is necessary for use by the active and reserve components of the Armed Forces for homeland defense missions, domestic emergency responses, and providing military support to civil authorities.

UNCLASSIFIED

Exhibit P-5, Cost Analysis: PB 2016 Army		Date: February 2015
Appropriation / Budget Activity / Budget Sub Activity: 2035A / 02 / 86	P-1 Line Item Number / Title: W61990 / JOINT BATTLE COMMAND - PLATFORM (JBC-P)	Item Number / Title [DODIC]: W61990 / JOINT BATTLE COMMAND - PLATFORM (JBC-P)

ID Code (A=Service Ready, B=Not Service Ready) :	MDAP/MAIS Code:
---	------------------------

Resource Summary	Prior Years	FY 2014	FY 2015	FY 2016 Base	FY 2016 OCO	FY 2016 Total
Procurement Quantity (Units in Each)	-	-	-	-	-	-
Gross/Weapon System Cost (\$ in Millions)	287.763	65.379	87.892	133.339	-	133.339
Less PY Advance Procurement (\$ in Millions)	-	-	-	-	-	-
Net Procurement (P1) (\$ in Millions)	287.763	65.379	87.892	133.339	-	133.339
Plus CY Advance Procurement (\$ in Millions)	-	-	-	-	-	-
Total Obligation Authority (\$ in Millions)	287.763	65.379	87.892	133.339	-	133.339

(The following Resource Summary rows are for informational purposes only. The corresponding budget requests are documented elsewhere.)

Initial Spares (\$ in Millions)	-	-	-	-	-	-
Gross/Weapon System Unit Cost (\$ in Thousands)	555.527	131.283	33.521	-	-	-

Note: Subtotals or Totals in this Exhibit P-5 may not be exact or add, due to rounding.

Cost Elements	Prior Years			FY 2014			FY 2015			FY 2016 Base			FY 2016 OCO			FY 2016 Total		
	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)
Flyaway Cost																		
Recurring Cost																		
JBC-P Veh Computer; LIN C05036 ^(t)	-	-	3.927	7.582	498	3.776	7.582	2,422	18.364	9.300	2,241	20.841	-	-	-	9.300	2,241	20.841
JBC-P Cmd Post; LIN C05037 ^(t)	-	-	-	-	-	-	13.425	200	2.685	13.032	225	2.932	-	-	-	13.032	225	2.932
JBC-P Log Mobile; LIN Z05189 ^(t)	-	-	-	-	-	-	-	-	16.646	747	12.434	-	-	-	16.646	747	12.434	
JBC-P Log Cmd Post; LIN Z05197 ^(t)	-	-	-	-	-	-	-	-	19.997	75	1.500	-	-	-	19.997	75	1.500	
Ancillary HW / IKS	-	-	-	-	-	2.199	-	-	2.722	-	-	5.000	-	-	-	-	-	5.000
System Engineering	-	-	17.782	-	-	-	-	-	1.500	-	-	2.000	-	-	-	-	-	2.000
Engineering Changes	-	-	-	-	-	-	-	-	-	-	-	0.500	-	-	-	-	-	0.500
Subtotal: Recurring Cost	-	-	21.709	-	-	5.975	-	-	25.271	-	-	45.208	-	-	-	-	-	45.208
Non Recurring Cost																		
Non-Recurring Eng (ABCT)	-	-	-	-	-	12.177	-	-	-	-	-	-	-	-	-	-	-	-
Subtotal: Non Recurring Cost	-	-	-	-	-	12.177	-	-	-	-	-	-	-	-	-	-	-	-
Subtotal: Flyaway Cost	-	-	21.709	-	-	18.152	-	-	25.271	-	-	45.208	-	-	-	-	-	45.208
Support Cost																		

UNCLASSIFIED

Exhibit P-5, Cost Analysis: PB 2016 Army		Date: February 2015
Appropriation / Budget Activity / Budget Sub Activity: 2035A / 02 / 86	P-1 Line Item Number / Title: W61990 / JOINT BATTLE COMMAND - PLATFORM (JBC-P)	Item Number / Title [DODIC]: W61990 / JOINT BATTLE COMMAND - PLATFORM (JBC-P)

ID Code (A=Service Ready, B=Not Service Ready) :	MDAP/MAIS Code:
---	------------------------

Note: Subtotals or Totals in this Exhibit P-5 may not be exact or add, due to rounding.

Cost Elements	Prior Years			FY 2014			FY 2015			FY 2016 Base			FY 2016 OCO			FY 2016 Total		
	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)
Program Mgmt (Gov't-Core)	-	-	8.163	-	-	8.329	-	-	8.500	-	-	5.000	-	-	-	-	-	5.000
SETA (Contractor)	-	-	8.040	-	-	4.784	-	-	5.500	-	-	5.000	-	-	-	-	-	5.000
SETA (Gov't-Mtx)	-	-	2.450	-	-	3.318	-	-	3.500	-	-	3.500	-	-	-	-	-	3.500
Fielding	-	-	6.198	-	-	8.098	-	-	14.303	-	-	16.000	-	-	-	-	-	16.000
New Equipment Training	-	-	1.692	-	-	1.430	-	-	3.775	-	-	6.000	-	-	-	-	-	6.000
System Test and Eval	-	-	-	-	-	5.598	-	-	-	-	-	-	-	-	-	-	-	-
Publications Tech/Data	-	-	2.512	-	-	0.950	-	-	1.250	-	-	4.817	-	-	-	-	-	4.817
Support Equipment	-	-	0.230	-	-	0.175	-	-	0.175	-	-	0.175	-	-	-	-	-	0.175
Post Deployment Software Support (PDSS)	-	-	-	-	-	6.874	-	-	8.000	-	-	9.797	-	-	-	-	-	9.797
Depot Support (RRAD, TYAD)	-	-	2.450	-	-	2.068	-	-	1.750	-	-	1.500	-	-	-	-	-	1.500
KGV-72 Encryption Device	-	-	81.316	-	-	-	-	-	-	1.900	9,000	17.100	-	-	-	1.900	9,000	17.100
Common Computing Hardware Systems	-	-	64.578	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
TiGR - Tactical Ground Reporting Systems	-	-	39.905	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BFT-2 Ground	-	-	39.530	-	-	-	1.725	8,000	13.800	1.725	8,000	13.800	-	-	-	1.725	8,000	13.800
BFT-2 Aviation	-	-	8.990	-	-	5.603	4.596	450	2.068	4.596	450	2.068	-	-	-	4.596	450	2.068
DFX Disc Duplicator and Purger	-	-	-	-	-	-	-	-	-	22.503	150	3.375	-	-	-	22.503	150	3.375
<i>Subtotal: Support Cost</i>	-	-	<i>266.054</i>	-	-	<i>47.227</i>	-	-	<i>62.621</i>	-	-	<i>88.132</i>	-	-	-	-	-	<i>88.132</i>
Gross/Weapon System Cost	555.527	-	287.763	131.283	-	65.379	33.521	-	87.892	-	-	133.339	-	-	-	-	-	133.339

Secondary Distribution		FY 2014	FY 2015	FY 2016 Base	FY 2016 OCO	FY 2016 Total
Army	Quantity	-	-	-	-	-
	Total Obligation Authority	46.772	61.951	97.395	-	97.395
ANG	Quantity	-	-	-	-	-
	Total Obligation Authority	10.883	15.173	23.960	-	23.960
AR	Quantity	-	-	-	-	-
	Total Obligation Authority	7.724	10.768	11.984	-	11.984
Total:	Quantity	-	-	-	-	-

UNCLASSIFIED

Exhibit P-5, Cost Analysis: PB 2016 Army		Date: February 2015
Appropriation / Budget Activity / Budget Sub Activity: 2035A / 02 / 86	P-1 Line Item Number / Title: W61990 / JOINT BATTLE COMMAND - PLATFORM (JBC-P)	Item Number / Title [DODIC]: W61990 / JOINT BATTLE COMMAND - PLATFORM (JBC-P)

ID Code (A=Service Ready, B=Not Service Ready) :	MDAP/MAIS Code:
---	------------------------

Secondary Distribution		FY 2014	FY 2015	FY 2016 Base	FY 2016 OCO	FY 2016 Total
Secondary Distribution	Total Obligation Authority	65.379	87.892	133.339	-	133.339

(t) indicates the presence of a P-5a

UNCLASSIFIED

Exhibit P-5a, Procurement History and Planning: PB 2016 Army							Date: February 2015					
Appropriation / Budget Activity / Budget Sub Activity: 2035A / 02 / 86			P-1 Line Item Number / Title: W61990 / JOINT BATTLE COMMAND - PLATFORM (JBC-P)				Item Number / Title [DODIC]: W61990 / JOINT BATTLE COMMAND - PLATFORM (JBC-P)					

Cost Elements	O C O	FY	Contractor and Location	Method/Type or Funding Vehicle	Location of PCO	Award Date	Date of First Delivery	Qty (Each)	Unit Cost (\$ K)	Specs Avail Now?	Date Revision Available	RFP Issue Date
JBC-P Veh Computer; LIN C05036		2014	DRS Tactical / Melbourne, FL	C / FFP	Army Contracting Cmd, APG, MD	Nov 2013	Dec 2013	498	7.582	Y		Aug 2013
JBC-P Veh Computer; LIN C05036 ^(†)		2015	DRS Tactical / Melbourne, FL	C / FFP	Army Contracting Cmd, APG, MD	Nov 2014	May 2015	2,422	7.582	Y		Nov 2014
JBC-P Veh Computer; LIN C05036 ^(†)		2016	DRS Tactical / Melbourne, FL	C / FFP	Army Contracting Cmd, APG, MD	Nov 2015	May 2016	2,241	9.300	Y		Nov 2015
JBC-P Cmd Post; LIN C05037 ^(†)		2015	DRS Tactical / Melbourne, FL	C / FFP	Army Contracting Cmd, APG, MD	Nov 2014	May 2015	200	13.425	Y		Nov 2014
JBC-P Cmd Post; LIN C05037 ^(†)		2016	DRS Tactical / Melbourne, FL	C / FFP	Army Contracting Cmd, APG, MD	Nov 2015	May 2016	225	13.032	Y		Nov 2015
JBC-P Log Mobile; LIN Z05189 ^(†)		2016	DRS Tactical / Melbourne, FL	C / FFP	Army Contracting Cmd, APG, MD	Nov 2015	May 2016	747	16.646	Y		Nov 2015
JBC-P Log Cmd Post; LIN Z05197 ^(†)		2016	DRS Tactical / Melbourne, FL	C / FFP	Army Contracting Cmd, APG, MD	Nov 2015	May 2016	75	19.997	Y		Nov 2015

^(†) indicates the presence of a P-21

UNCLASSIFIED

Exhibit P-21, Production Schedule: PB 2016 Army																							Date: February 2015								
Appropriation / Budget Activity / Budget Sub Activity: 2035A / 02 / 86										P-1 Line Item Number / Title: W61990 / JOINT BATTLE COMMAND - PLATFORM (JBC-P)										Item Number / Title [DODIC]: W61990 / JOINT BATTLE COMMAND - PLATFORM (JBC-P)											
Cost Elements (Units in Each)						Fiscal Year 2014										Fiscal Year 2015															
O C C O	M F R #	FY	SERVICE	PROC QTY	ACCEPT PRIOR TO 1 OCT 2013	BAL DUE AS OF 1 OCT	Calendar Year 2014										Calendar Year 2015														
							O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	B A L
JBC-P Veh Computer; LIN C05036																															
	1	2015	ARMY	2,422	-	2,422																									
	1	2016	ARMY	2,241	-	2,241																									
JBC-P Cmd Post; LIN C05037																															
	2	2015	ARMY	200	-	200																									
	2	2016	ARMY	225	-	225																									
JBC-P Log Mobile; LIN Z05189																															
	3	2016	ARMY	747	-	747																									
JBC-P Log Cmd Post; LIN Z05197																															
	4	2016	ARMY	75	-	75																									
							O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	B A L

UNCLASSIFIED

Exhibit P-21, Production Schedule: PB 2016 Army																							Date: February 2015									
Appropriation / Budget Activity / Budget Sub Activity: 2035A / 02 / 86											P-1 Line Item Number / Title: W61990 / JOINT BATTLE COMMAND - PLATFORM (JBC-P)											Item Number / Title [DODIC]: W61990 / JOINT BATTLE COMMAND - PLATFORM (JBC-P)										
Cost Elements <i>(Units in Each)</i>					Fiscal Year 2016													Fiscal Year 2017														
O C C O	M F R #	FY	SERVICE	PROC QTY	ACCEPT PRIOR TO 1 OCT 2015	BAL DUE AS OF 1 OCT	Calendar Year 2016													Calendar Year 2017												
							O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	B A L	
JBC-P Veh Computer; LIN C05036																																
	1	2015	ARMY	2,422	1,010	1,412	202	202	202	202	202	202	200																-			
	1	2016	ARMY	2,241	-	2,241		A -	-	-	-	-	-	187	187	187	187	184	187	187	187	187	187	187	187	187	187		-			
JBC-P Cmd Post; LIN C05037																																
	2	2015	ARMY	200	80	120	16	17	17	17	17	17	19																-			
	2	2016	ARMY	225	-	225		A -	-	-	-	-	-	19	19	19	19	19	19	19	19	19	19	19	19	19	16		-			
JBC-P Log Mobile; LIN Z05189																																
	3	2016	ARMY	747	-	747		A -	-	-	-	-	-	63	63	63	63	63	63	63	63	63	63	63	63	63	54		-			
JBC-P Log Cmd Post; LIN Z05197																																
	4	2016	ARMY	75	-	75		A -	-	-	-	-	-	6	6	6	6	6	6	6	6	6	6	6	6	6	9		-			
								O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	B A L

UNCLASSIFIED

Exhibit P-21, Production Schedule: PB 2016 Army		Date: February 2015
Appropriation / Budget Activity / Budget Sub Activity: 2035A / 02 / 86		P-1 Line Item Number / Title: W61990 / JOINT BATTLE COMMAND - PLATFORM (JBC-P)
		Item Number / Title [DODIC]: W61990 / JOINT BATTLE COMMAND - PLATFORM (JBC-P)

MFR Ref #	MFR Name - Location	Production Rates (Each / Month)			Procurement Leadtime (Months)							
		MSR For 2016	1-8-5 For 2016	MAX For 2016	Initial				Reorder			
					ALT Prior to Oct 1	ALT After Oct 1	Mfg PLT	Total After Oct 1	ALT Prior to Oct 1	ALT After Oct 1	Mfg PLT	Total After Oct 1
1	DRS Tactical - Melbourne, FL	150	220	1,200	1	1	5	6	1	1	5	6
2	DRS Tactical - Melbourne, FL	150	220	1,200	1	1	5	6	1	1	5	6
3	DRS Tactical - Melbourne, FL	150	220	1,200	1	1	5	6	1	1	5	6
4	DRS Tactical - Melbourne, FL	150	220	1,200	1	1	5	6	1	1	5	6

Remarks:
Fluctuations in quantities are based on associated support item requirements in outyears. The support item procurement may reduce end item procurement. TBD

"A" in the Delivery Schedule indicates the Contract Award Date.
Note: Due to space limitations, quantities in the Exhibit P-21 delivery calendar are truncated and rounded based on the maximum quantity in the calendar as follows. If the maximum quantity is less than or equal to than 9,999, all quantities are shown as each. If the maximum quantity is between 10,000 and 999,999 all quantities are shown in thousands. If the maximum quantity is between 1,000,000 and 999,999,999 all quantities are shown in millions (rounded to the nearest thousand). If the maximum quantity is equal or greater than 1,000,000,000 all quantities are shown in billions (rounded to the nearest million).

UNCLASSIFIED

Exhibit P-40, Budget Line Item Justification: PB 2016 Army **Date:** February 2015

Appropriation / Budget Activity / Budget Sub Activity: 2035A: Other Procurement, Army / BA 02: Communications and Electronics Equipment / BSA 86: Elect Equip - Tactical Surv. (Tac Surv)	P-1 Line Item Number / Title: K32101 / JOINT EFFECTS TARGETING SYSTEM (JETS)
--	--

ID Code (A=Service Ready, B=Not Service Ready) :	Program Elements for Code B Items:						Other Related Program Elements:					
Resource Summary	Prior Years	FY 2014	FY 2015	FY 2016 Base	FY 2016 OCO	FY 2016 Total	FY 2017	FY 2018	FY 2019	FY 2020	To Complete	Total
Procurement Quantity (Units in Each)	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Cost (\$ in Millions)	-	-	-	47.212	-	47.212	51.110	48.857	43.493	73.587	Continuing	Continuing
Less PY Advance Procurement (\$ in Millions)	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P1) (\$ in Millions)	-	-	-	47.212	-	47.212	51.110	48.857	43.493	73.587	Continuing	Continuing
Plus CY Advance Procurement (\$ in Millions)	-	-	-	-	-	-	-	-	-	-	-	-
Total Obligation Authority (\$ in Millions)	-	-	-	47.212	-	47.212	51.110	48.857	43.493	73.587	Continuing	Continuing
<i>(The following Resource Summary rows are for informational purposes only. The corresponding budget requests are documented elsewhere.)</i>												
Initial Spares (\$ in Millions)	-	-	-	-	-	-	-	-	-	-	-	-
Flyaway Unit Cost (\$ in Thousands)	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Unit Cost (\$ in Thousands)	-	-	-	664.958	-	664.958	-	-	-	-	Continuing	Continuing

Description:

The Joint Effects Targeting Systems (JETS) Target Locator/Designator System (TLDS) provides the dismounted observer and the joint terminal attack controller an integrated, lightweight, modular capability to detect, identify, accurately locate in three dimensions, mark, and designate targets and provide accurate target location coordinates to a forward entry device. The JETS TLDS is an Army program with joint interest (Air Force and Marine Corps).

JETS will support the Army Fires Center of Excellence two sensor strategy to reduce the number of Fires optical targeting systems to two configurations. JETS will satisfy the requirement for the dismounted precision targeting sensor for the individual observer.

This program is a new start in FY 2016.

The draft Approved Acquisition Objective for this program is 3,287.

Secondary Distribution	FY 2014	FY 2015	FY 2016 Base	FY 2016 OCO	FY 2016 Total	FY 2017	FY 2018	FY 2019	FY 2020
Army	-	-	-	-	-	-	-	-	-
Quantity	-	-	-	-	-	-	-	-	-
Total Obligation Authority	-	-	47.212	-	47.212	51.110	26.016	22.781	43.889
ANG	-	-	-	-	-	-	-	-	-
Quantity	-	-	-	-	-	-	-	-	-
Total Obligation Authority	-	-	-	-	-	-	22.841	20.712	29.698
Total:	-	-	-	-	-	-	-	-	-
Quantity	-	-	-	-	-	-	-	-	-

UNCLASSIFIED

Exhibit P-40, Budget Line Item Justification: PB 2016 Army							Date: February 2015			
Appropriation / Budget Activity / Budget Sub Activity: 2035A: Other Procurement, Army / BA 02: Communications and Electronics Equipment / BSA 86: Elect Equip - Tactical Surv. (Tac Surv)					P-1 Line Item Number / Title: K32101 / JOINT EFFECTS TARGETING SYSTEM (JETS)					
ID Code (A=Service Ready, B=Not Service Ready) :			Program Elements for Code B Items:			Other Related Program Elements:				
Secondary Distribution		FY 2014	FY 2015	FY 2016 Base	FY 2016 OCO	FY 2016 Total	FY 2017	FY 2018	FY 2019	FY 2020
Secondary Distribution	Total Obligation Authority	-	-	47.212	-	47.212	51.110	48.857	43.493	73.587

UNCLASSIFIED

Exhibit P-40, Budget Line Item Justification: PB 2016 Army **Date:** February 2015

Appropriation / Budget Activity / Budget Sub Activity: 2035A: Other Procurement, Army / BA 02: Communications and Electronics Equipment / BSA 86: Elect Equip - Tactical Surv. (Tac Surv)	P-1 Line Item Number / Title: K32101 / JOINT EFFECTS TARGETING SYSTEM (JETS)
--	--

ID Code (A=Service Ready, B=Not Service Ready) :			Program Elements for Code B Items:			Other Related Program Elements:		
Exhibits Schedule			Prior Years	FY 2014	FY 2015	FY 2016 Base	FY 2016 OCO	FY 2016 Total
Title*	Exhibits	ID CD	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)
K32101 / JOINT EFFECTS TARGETING SYSTEM (JETS)	P-5, P-5a, P-21		- / -	- / -	- / -	- / 47.212	- / -	- / 47.212
Total Gross/Weapon System Cost			- / -	- / -	- / -	- / 47.212	- / -	- / 47.212

*Title represents 1) the Number / Title for Items; 2) the Number / Title [DODIC] for Ammunition; and/or 3) the Number / Title (Modification Type) for Modifications.

Note: Totals in this Exhibit P-40 set may not be exact or add due to rounding.

Justification:
 FY 2016 Base procurement dollars in the amount of \$47.212 million procures 71 JETS and initial production tooling and test equipment (non-recurring).

In accordance with Section 1815 of the FY 2008 National Defense Authorization Act (P.L. 110-181), this item is necessary for use by the active and reserve components of the Armed Forces for homeland defense missions, domestic emergency responses, and providing military support to civil authorities.

UNCLASSIFIED

Exhibit P-5, Cost Analysis: PB 2016 Army													Date: February 2015					
Appropriation / Budget Activity / Budget Sub Activity: 2035A / 02 / 86						P-1 Line Item Number / Title: K32101 / JOINT EFFECTS TARGETING SYSTEM (JETS)						Item Number / Title [DODIC]: K32101 / JOINT EFFECTS TARGETING SYSTEM (JETS)						
ID Code (A=Service Ready, B=Not Service Ready) :										MDAP/MAIS Code:								
Resource Summary				Prior Years		FY 2014		FY 2015		FY 2016 Base		FY 2016 OCO		FY 2016 Total				
Procurement Quantity (<i>Units in Each</i>)				-		-		-		-		-		-				
Gross/Weapon System Cost (<i>\$ in Millions</i>)				-		-		-		47.212		-		47.212				
Less PY Advance Procurement (<i>\$ in Millions</i>)				-		-		-		-		-		-				
Net Procurement (P1) (<i>\$ in Millions</i>)				-		-		-		47.212		-		47.212				
Plus CY Advance Procurement (<i>\$ in Millions</i>)				-		-		-		-		-		-				
Total Obligation Authority (<i>\$ in Millions</i>)				-		-		-		47.212		-		47.212				
<i>(The following Resource Summary rows are for informational purposes only. The corresponding budget requests are documented elsewhere.)</i>																		
Initial Spares (<i>\$ in Millions</i>)				-		-		-		-		-		-		-		
Gross/Weapon System Unit Cost (<i>\$ in Thousands</i>)				-		-		-		664.958		-		664.958				
Note: Subtotals or Totals in this Exhibit P-5 may not be exact or add, due to rounding.																		
Cost Elements	Prior Years			FY 2014			FY 2015			FY 2016 Base			FY 2016 OCO			FY 2016 Total		
	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)
Hardware Cost																		
Recurring Cost																		
Joint Effects Targeting System ^(†)	-	-	-	-	-	-	-	-	-	258.648	71	18.364	-	-	-	258.648	71	18.364
Project Management	-	-	-	-	-	-	-	-	-	-	-	2.181	-	-	-	-	-	2.181
Systems Engineering Support	-	-	-	-	-	-	-	-	-	-	-	4.429	-	-	-	-	-	4.429
System Test and Evaluation	-	-	-	-	-	-	-	-	-	-	-	3.933	-	-	-	-	-	3.933
Training	-	-	-	-	-	-	-	-	-	-	-	3.009	-	-	-	-	-	3.009
Fielding	-	-	-	-	-	-	-	-	-	-	-	0.341	-	-	-	-	-	0.341
<i>Subtotal: Recurring Cost</i>	-	-	-	-	-	-	-	-	-	-	-	32.257	-	-	-	-	-	32.257
Non Recurring Cost																		
Initial Non-Recurring Engineering	-	-	-	-	-	-	-	-	-	-	-	14.955	-	-	-	-	-	14.955
<i>Subtotal: Non Recurring Cost</i>	-	-	-	-	-	-	-	-	-	-	-	14.955	-	-	-	-	-	14.955
<i>Subtotal: Hardware Cost</i>	-	-	-	-	-	-	-	-	-	-	-	47.212	-	-	-	-	-	47.212
Gross/Weapon System Cost	-	-	-	-	-	-	-	-	-	-	-	664.958	-	-	-	-	-	664.958

UNCLASSIFIED

Exhibit P-5, Cost Analysis: PB 2016 Army		Date: February 2015
Appropriation / Budget Activity / Budget Sub Activity: 2035A / 02 / 86	P-1 Line Item Number / Title: K32101 / JOINT EFFECTS TARGETING SYSTEM (JETS)	Item Number / Title [DODIC]: K32101 / JOINT EFFECTS TARGETING SYSTEM (JETS)

ID Code (A=Service Ready, B=Not Service Ready) : **MDAP/MAIS Code:**

Secondary Distribution		FY 2014	FY 2015	FY 2016 Base	FY 2016 OCO	FY 2016 Total
Army	Quantity	-	-	-	-	-
	Total Obligation Authority	-	-	47.212	-	47.212
Total:	Quantity	-	-	-	-	-
Secondary Distribution	Total Obligation Authority	-	-	47.212	-	47.212

(t) indicates the presence of a P-5a

UNCLASSIFIED

Exhibit P-5a, Procurement History and Planning: PB 2016 Army							Date: February 2015					
Appropriation / Budget Activity / Budget Sub Activity: 2035A / 02 / 86			P-1 Line Item Number / Title: K32101 / JOINT EFFECTS TARGETING SYSTEM (JETS)				Item Number / Title [DODIC]: K32101 / JOINT EFFECTS TARGETING SYSTEM (JETS)					
Cost Elements	O C O	FY	Contractor and Location	Method/Type or Funding Vehicle	Location of PCO	Award Date	Date of First Delivery	Qty (Each)	Unit Cost (\$ K)	Specs Avail Now?	Date Revision Available	RFP Issue Date
Joint Effects Targeting System ^(†)		2016	TBS / TBD	C / FFP	ACC APG	Mar 2016	Mar 2017	71	258.648	N	Mar 2016	

^(†) indicates the presence of a P-21

Remarks:
JETS is currently in the Engineering and Manufacturing Development (EMD) phase of the acquisition lifecycle, scheduled to achieve Milestone C (Low Rate Initial Production (LRIP)) in Feb 2016.

UNCLASSIFIED

Exhibit P-21, Production Schedule: PB 2016 Army																Date: February 2015															
Appropriation / Budget Activity / Budget Sub Activity: 2035A / 02 / 86											P-1 Line Item Number / Title: K32101 / JOINT EFFECTS TARGETING SYSTEM (JETS)											Item Number / Title [DODIC]: K32101 / JOINT EFFECTS TARGETING SYSTEM (JETS)									

Cost Elements <i>(Units in Each)</i>						Fiscal Year 2016												Fiscal Year 2017													
O C C O	M F R #	FY	SERVICE	PROC QTY	ACCEPT PRIOR TO 1 OCT 2015	BAL DUE AS OF 1 OCT	Calendar Year 2016												Calendar Year 2017												B A L
							O C T	N O V	D E C	J A N	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	
Joint Effects Targeting System																															
	1	2016	ARMY	71	-	71																									
																													35		
							O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	B A L

UNCLASSIFIED

Exhibit P-21, Production Schedule: PB 2016 Army															Date: February 2015														
Appropriation / Budget Activity / Budget Sub Activity: 2035A / 02 / 86										P-1 Line Item Number / Title: K32101 / JOINT EFFECTS TARGETING SYSTEM (JETS)										Item Number / Title [DODIC]: K32101 / JOINT EFFECTS TARGETING SYSTEM (JETS)									

Cost Elements <i>(Units in Each)</i>						Fiscal Year 2018												Fiscal Year 2019													
O C C O	M F R #	FY	SERVICE	PROC QTY	ACCEPT PRIOR TO 1 OCT 2017	BAL DUE AS OF 1 OCT	Calendar Year 2018												Calendar Year 2019												
							O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	B A L
Joint Effects Targeting System																															
	1	2016	ARMY	71	36	35	7	7	7	7	7																		-		
							O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	B A L

UNCLASSIFIED

Exhibit P-21, Production Schedule: PB 2016 Army				Date: February 2015				
Appropriation / Budget Activity / Budget Sub Activity: 2035A / 02 / 86			P-1 Line Item Number / Title: K32101 / JOINT EFFECTS TARGETING SYSTEM (JETS)				Item Number / Title [DODIC]: K32101 / JOINT EFFECTS TARGETING SYSTEM (JETS)	

MFR Ref #	MFR Name - Location	Production Rates (Each / Month)			Procurement Leadtime (Months)							
		MSR For 2016	1-8-5 For 2016	MAX For 2016	Initial				Reorder			
					ALT Prior to Oct 1	ALT After Oct 1	Mfg PLT	Total After Oct 1	ALT Prior to Oct 1	ALT After Oct 1	Mfg PLT	Total After Oct 1
1	TBS - TBD	3	40	50	3	5	12	17	3	6	12	18

Remarks:
Vendor have not been selected. Program is still in development. Single vendor will be selected after MS C.

"A" in the Delivery Schedule indicates the Contract Award Date.

Note: Due to space limitations, quantities in the Exhibit P-21 delivery calendar are truncated and rounded based on the maximum quantity in the calendar as follows. If the maximum quantity is less than or equal to than 9,999, all quantities are shown as each. If the maximum quantity is between 10,000 and 999,999 all quantities are shown in thousands. If the maximum quantity is between 1,000,000 and 999,999,999 all quantities are shown in millions (rounded to the nearest thousand). If the maximum quantity is equal or greater than 1,000,000,000 all quantities are shown in billions (rounded to the nearest million).

UNCLASSIFIED

Exhibit P-40, Budget Line Item Justification: PB 2016 Army **Date:** February 2015

Appropriation / Budget Activity / Budget Sub Activity: 2035A: Other Procurement, Army / BA 02: Communications and Electronics Equipment / BSA 86: Elect Equip - Tactical Surv. (Tac Surv)	P-1 Line Item Number / Title: KA3100 / Mod Of In-Svc Equip (LLDR)
--	---

ID Code (A=Service Ready, B=Not Service Ready) :		Program Elements for Code B Items:					Other Related Program Elements:					
Resource Summary	Prior Years	FY 2014	FY 2015	FY 2016 Base	FY 2016 OCO	FY 2016 Total	FY 2017	FY 2018	FY 2019	FY 2020	To Complete	Total
Procurement Quantity (Units in Each)	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Cost (\$ in Millions)	204.503	38.037	14.085	22.314	-	22.314	22.863	28.387	31.946	50.315	Continuing	Continuing
Less PY Advance Procurement (\$ in Millions)	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P1) (\$ in Millions)	204.503	38.037	14.085	22.314	-	22.314	22.863	28.387	31.946	50.315	Continuing	Continuing
Plus CY Advance Procurement (\$ in Millions)	-	-	-	-	-	-	-	-	-	-	-	-
Total Obligation Authority (\$ in Millions)	204.503	38.037	14.085	22.314	-	22.314	22.863	28.387	31.946	50.315	Continuing	Continuing
<i>(The following Resource Summary rows are for informational purposes only. The corresponding budget requests are documented elsewhere.)</i>												
Initial Spares (\$ in Millions)	-	-	-	-	-	-	-	-	-	-	-	-
Flyaway Unit Cost (\$ in Thousands)	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Unit Cost (\$ in Thousands)	-	-	-	378.203	-	378.203	-	-	-	-	Continuing	Continuing

Description:

MOD OF IN-SERVICE EQUIPMENT (LLDR) funds the retrofit of the Lightweight Laser Designator Rangefinder (LLDR, AN/PED-1 and AN/PED-1A) to incorporate target location improvements. The upgraded LLDR system is type classified as an AN/PED-1B(2H). The LLDR is a modular system designed for crew-served, man-portable day/night all-weather use for determining the precise location of threat targets, and for designating threat targets for engagement by Global Position System (GPS) guided and laser guided precision munitions for a variety of Army and Joint weapons systems. The Target Location Module uses a thermal night vision sensor, day camera, laser rangefinder, and digital compass, GPS, and system controller with digital data and video outputs. The Laser Designator Module provides the capability to guide laser-guided munitions and the capability to mark targets for targeting hand-off to aircraft. This effort also replaces earlier Laser Designator Modules with new diode-pumped Laser Designator Modules, reducing weight and power requirements, resulting in lower sustainment costs. The target location improvement retrofit adds a precision azimuth measurement sensor to supplement the digital compass and brings LLDR systems to a common configuration. Target location improvements enable precision target location and engagement with current and future precision munitions by dismounted fire support teams.

The LLDR with target location improvements will support the Army Fires Center of Excellence two-sensor strategy to reduce the number of Fires optical targeting systems to two configurations. LLDR will continue to fill its role as a crew-served, dismounted precision targeting system and will in the future integrate with Fire Support vehicle mission equipment packages to also serve as the mounted Fires targeting system.

Funding in this program supports upgrade of LLDR for increased target location accuracy to facilitate employment of currently fielded GPS guided Precision Munitions by dismounted fire support teams.

The Army Acquisition Objective (AAO) for this program is 2,700. Only 200 of the AAO were built in the 2H configuration, the remaining 2,500 require retrofit.

Secondary Distribution		FY 2014	FY 2015	FY 2016 Base	FY 2016 OCO	FY 2016 Total	FY 2017	FY 2018	FY 2019	FY 2020
Army	Quantity	-	-	-	-	-	-	-	-	-
	Total Obligation Authority	31.222	8.360	13.233	-	13.233	13.557	16.835	19.162	30.409

UNCLASSIFIED

Exhibit P-40, Budget Line Item Justification: PB 2016 Army **Date:** February 2015

Appropriation / Budget Activity / Budget Sub Activity: 2035A: Other Procurement, Army / BA 02: Communications and Electronics Equipment / BSA 86: Elect Equip - Tactical Surv. (Tac Surv)	P-1 Line Item Number / Title: KA3100 / Mod Of In-Svc Equip (LLDR)
--	---

ID Code (A=Service Ready, B=Not Service Ready) :		Program Elements for Code B Items:				Other Related Program Elements:				
Secondary Distribution		FY 2014	FY 2015	FY 2016 Base	FY 2016 OCO	FY 2016 Total	FY 2017	FY 2018	FY 2019	FY 2020
ANG	Quantity	-	-	-	-	-	-	-	-	-
	Total Obligation Authority	6.815	5.725	9.081	-	9.081	9.306	11.552	12.784	19.906
Total: Secondary Distribution	Quantity	-	-	-	-	-	-	-	-	-
	Total Obligation Authority	38.037	14.085	22.314	-	22.314	22.863	28.387	31.946	50.315

UNCLASSIFIED

Exhibit P-40, Budget Line Item Justification: PB 2016 Army **Date:** February 2015

Appropriation / Budget Activity / Budget Sub Activity: 2035A: Other Procurement, Army / BA 02: Communications and Electronics Equipment / BSA 86: Elect Equip - Tactical Surv. (Tac Surv)	P-1 Line Item Number / Title: KA3100 / Mod Of In-Svc Equip (LLDR)
--	---

ID Code (A=Service Ready, B=Not Service Ready) :			Program Elements for Code B Items:			Other Related Program Elements:		
Exhibits Schedule			Prior Years	FY 2014	FY 2015	FY 2016 Base	FY 2016 OCO	FY 2016 Total
Title*	Exhibits	ID CD	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)
KA3100 / LLDR Target Location Improvement (Unclassified)	P-3a		- / 204.503	- / 38.037	- / 14.085	- / 22.314	- / -	- / 22.314
Total Gross/Weapon System Cost			- / 204.503	- / 38.037	- / 14.085	- / 22.314	- / -	- / 22.314
Exhibits Schedule			FY 2017	FY 2018	FY 2019	FY 2020	To Complete	Total
Title*	Exhibits	ID CD	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)
KA3100 / LLDR Target Location Improvement (Unclassified)	P-3a		- / 22.863	- / 28.387	- / 31.946	- / 50.315	Continuing	Continuing
Total Gross/Weapon System Cost			- / 22.863	- / 28.387	- / 31.946	- / 50.315	Continuing	Continuing

*Title represents 1) the Number / Title for Items; 2) the Number / Title [DODIC] for Ammunition; and/or 3) the Number / Title (Modification Type) for Modifications.

Note: Totals in this Exhibit P-40 set may not be exact or add due to rounding.

Justification:

FY 2016 Base procurement dollars in the amount of \$22.314 million supports the retrofit of 59 existing LLDR systems with target location improvement.

UNCLASSIFIED

Exhibit P-3a, Individual Modification: PB 2016 Army							Date: February 2015					
Appropriation / Budget Activity / Budget Sub Activity: 2035A / 02 / 86				P-1 Line Item Number / Title: KA3100 / Mod Of In-Svc Equip (LLDR)				Modification Number / Title: KA3100 / LLDR Target Location Improvement				

Resource Summary	Prior Years	FY 2014	FY 2015	FY 2016 Base	FY 2016 OCO	FY 2016 Total	FY 2017	FY 2018	FY 2019	FY 2020	To Complete	Total
Procurement Quantity (<i>Units in Each</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Cost (<i>\$ in Millions</i>)	204.503	38.037	14.085	22.314	-	22.314	22.863	28.387	31.946	50.315	Continuing	Continuing
Less PY Advance Procurement (<i>\$ in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P1) (<i>\$ in Millions</i>)	204.503	38.037	14.085	22.314	-	22.314	22.863	28.387	31.946	50.315	Continuing	Continuing
Plus CY Advance Procurement (<i>\$ in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Total Obligation Authority (<i>\$ in Millions</i>)	204.503	38.037	14.085	22.314	-	22.314	22.863	28.387	31.946	50.315	Continuing	Continuing
<i>(The following Resource Summary rows are for informational purposes only. The corresponding budget requests are documented elsewhere.)</i>												
Initial Spares (<i>\$ in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Unit Cost (<i>\$ in Thousands</i>)	-	-	-	378.203	-	378.203	-	-	-	-	Continuing	Continuing

Description:

MOD OF IN-SERVICE EQUIPMENT (LLDR) funds the retrofit of the Lightweight Laser Designator Rangefinder (LLDR, AN/PED-1 and AN/PED-1A) to incorporate target location improvements. The LLDR is a modular system designed for crew-served, man-portable day/night all-weather use for determining the precise location of threat targets, and for designating threat targets for engagement by Global Position System (GPS) precision and laser guided munitions for a variety of Army and Joint weapons systems. The Target Location Module uses a thermal night vision sensor, day camera, laser rangefinder, and digital compass, GPS, and system controller with digital data and video outputs. The Laser Designator Module provides the capability to guide laser-guided munitions and the capability to mark targets for targeting hand-off to aircraft. This effort also replaces earlier Laser Designator Modules with new diode-pumped Laser Designator Modules, reducing weight and power requirements, resulting in lower sustainment costs. The target location improvement retrofit adds a precision azimuth measurement sensor to supplement the digital compass and brings LLDR systems to a common configuration. Target location improvements enable precision target location and engagement with current and future precision munitions by dismounted fire support teams.

Secondary Distribution		FY 2014	FY 2015	FY 2016 Base	FY 2016 OCO	FY 2016 Total	FY 2017	FY 2018	FY 2019	FY 2020
Army	Quantity	-	-	-	-	-	-	-	-	-
	Total Obligation Authority	31.222	8.360	13.233	-	13.233	13.557	16.835	19.162	30.409
ANG	Quantity	-	-	-	-	-	-	-	-	-
	Total Obligation Authority	6.815	5.725	9.081	-	9.081	9.306	11.552	12.784	19.906
Total: Secondary Distribution	Quantity	-	-	-	-	-	-	-	-	-
	Total Obligation Authority	38.037	14.085	22.314	-	22.314	22.863	28.387	31.946	50.315

UNCLASSIFIED

Exhibit P-3a, Individual Modification: PB 2016 Army										Date: February 2015			
Appropriation / Budget Activity / Budget Sub Activity: 2035A / 02 / 86				P-1 Line Item Number / Title: KA3100 / Mod Of In-Svc Equip (LLDR)						Modification Number / Title: KA3100 / LLDR Target Location Improvement			
Models of Systems Affected: AN/PED-1 and AN/PED-1A				Modification Type: Unclassified						Related RDT&E PEs:			
Financial Plan	Prior Years	FY 2014	FY 2015	FY 2016 Base	FY 2016 OCO	FY 2016 Total	FY 2017	FY 2018	FY 2019	FY 2020	To Complete	Total	
	<i>Qty (Each) / Total Cost (\$ M)</i>	<i>Qty (Each) / Total Cost (\$ M)</i>	<i>Qty (Each) / Total Cost (\$ M)</i>	<i>Qty (Each) / Total Cost (\$ M)</i>	<i>Qty (Each) / Total Cost (\$ M)</i>	<i>Qty (Each) / Total Cost (\$ M)</i>	<i>Qty (Each) / Total Cost (\$ M)</i>	<i>Qty (Each) / Total Cost (\$ M)</i>	<i>Qty (Each) / Total Cost (\$ M)</i>	<i>Qty (Each) / Total Cost (\$ M)</i>	<i>Qty (Each) / Total Cost (\$ M)</i>	<i>Qty (Each) / Total Cost (\$ M)</i>	
Procurement													
<i>Modification Item 1 of 1: LLDR Target Location Improvement</i>													
A Kits													
Recurring													
AN/PED-1 and AN/PED-1A Retrofits	694 / 176.275	120 / 32.296	34 / 10.879	59 / 18.547	- / -	59 / 18.547	60 / 18.925	83 / 24.367	97 / 27.830	154 / 46.107	Continuing	Continuing	
Project Management/Engineering Support	0 / 16.955	- / 0.856	- / 0.860	- / 0.860	- / -	- / 0.860	- / 0.900	- / 0.918	- / 0.939	- / 0.941	Continuing	Continuing	
Systems Engineering Support	0 / 5.028	- / 2.442	- / 1.445	- / 2.446	- / -	- / 2.446	- / 2.563	- / 2.612	- / 2.673	- / 2.679	Continuing	Continuing	
Testing	0 / 0.048	- / 0.261	- / 0.266	- / -	- / -	- / -	- / -	- / -	- / -	- / -	Continuing	Continuing	
Fielding	0 / 6.197	- / 2.182	- / 0.635	- / 0.461	- / -	- / 0.461	- / 0.475	- / 0.490	- / 0.504	- / 0.588	Continuing	Continuing	
<i>Subtotal: Recurring</i>	<i>- / 204.503</i>	<i>- / 38.037</i>	<i>- / 14.085</i>	<i>- / 22.314</i>	<i>- / -</i>	<i>- / 22.314</i>	<i>- / 22.863</i>	<i>- / 28.387</i>	<i>- / 31.946</i>	<i>- / 50.315</i>	<i>Continuing</i>	<i>Continuing</i>	
<i>Subtotal: LLDR Target Location Improvement</i>	<i>694 / 204.503</i>	<i>120 / 38.037</i>	<i>34 / 14.085</i>	<i>59 / 22.314</i>	<i>- / -</i>	<i>59 / 22.314</i>	<i>60 / 22.863</i>	<i>83 / 28.387</i>	<i>97 / 31.946</i>	<i>154 / 50.315</i>	<i>Continuing</i>	<i>Continuing</i>	
<i>Subtotal: Procurement, All Modification Items</i>	<i>694 / 204.503</i>	<i>120 / 38.037</i>	<i>34 / 14.085</i>	<i>59 / 22.314</i>	<i>- / -</i>	<i>59 / 22.314</i>	<i>60 / 22.863</i>	<i>83 / 28.387</i>	<i>97 / 31.946</i>	<i>154 / 50.315</i>	<i>Continuing</i>	<i>Continuing</i>	
Installation													
<i>Modification Item 1 of 1: LLDR Target Location Improvement</i>	<i>0 / 0.000</i>	<i>- / -</i>	<i>- / -</i>	<i>- / -</i>	<i>- / -</i>	<i>- / -</i>	<i>- / -</i>	<i>- / -</i>	<i>- / -</i>	<i>- / -</i>	<i>- / -</i>	<i>- / -</i>	
<i>Subtotal: Installation</i>	<i>0 / 0.000</i>	<i>- / -</i>	<i>- / -</i>	<i>- / -</i>	<i>- / -</i>	<i>- / -</i>	<i>- / -</i>	<i>- / -</i>	<i>- / -</i>	<i>- / -</i>	<i>- / -</i>	<i>- / -</i>	
Total													
Total Cost (Procurement + Support + Installation)	204.503	38.037	14.085	22.314	-	22.314	22.863	28.387	31.946	50.315	Continuing	Continuing	

UNCLASSIFIED

Exhibit P-3a, Individual Modification: PB 2016 Army		Date: February 2015
Appropriation / Budget Activity / Budget Sub Activity: 2035A / 02 / 86	P-1 Line Item Number / Title: KA3100 / Mod Of In-Svc Equip (LLDR)	Modification Number / Title: KA3100 / LLDR Target Location Improvement

Modification Item 1 of 1: LLDR Target Location Improvement

Manufacturer Information

Manufacturer Name: NGLS	Manufacturer Location: Apopka, FL
Administrative Leadtime (in Months): 4	Production Leadtime (in Months): 12

Dates	FY 2014	FY 2015	FY 2016	FY 2017	FY 2018	FY 2019	FY 2020
Contract Dates	Mar 2014	Mar 2015	Mar 2016	Mar 2017	Mar 2018	Mar 2019	Mar 2020
Delivery Dates	Mar 2015	Mar 2016	Mar 2017	Mar 2018	Mar 2019	Mar 2020	Mar 2021

Installation Information

Method of Implementation: Retrofit

Installation Cost	Prior Years	FY 2014	FY 2015	FY 2016 Base	FY 2016 OCO	FY 2016 Total	FY 2017	FY 2018	FY 2019	FY 2020	To Complete	Total
	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)
Prior Years	0 / 0.000	- / 0.000	- / 0.000	- / 0.000	- / -	- / 0.000	- / 0.000	- / 0.000	- / 0.000	- / 0.000	- / 0.000	- / 0.000
FY 2014	0 / 0.000	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2015	0 / 0.000	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2016	0 / 0.000	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2017	0 / 0.000	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2018	0 / 0.000	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2019	0 / 0.000	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2020	0 / 0.000	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
To Complete	0 / 0.000	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
Total	0 / 0.000	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -

Installation Schedule

	PYS	FY 2014				FY 2015				FY 2016				FY 2017				FY 2018				FY 2019				FY 2020				TC	Tot
		Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4		
In	694	30	30	30	30	9	9	8	8	15	15	15	14	15	15	15	15	21	21	21	20	25	24	24	24	39	39	38	38	1,199	2,500
Out	609	85	30	30	30	30	9	9	8	8	15	15	15	14	15	15	15	15	21	21	21	20	25	24	24	24	39	39	38	1,237	2,500

UNCLASSIFIED

Exhibit P-40, Budget Line Item Justification: PB 2016 Army **Date:** February 2015

Appropriation / Budget Activity / Budget Sub Activity: 2035A: Other Procurement, Army / BA 02: Communications and Electronics Equipment / BSA 86: Elect Equip - Tactical Surv. (Tac Surv)	P-1 Line Item Number / Title: K99200 / Computer Ballistics: LHMBC XM32
--	--

ID Code (A=Service Ready, B=Not Service Ready) :	Program Elements for Code B Items:						Other Related Program Elements:					
Resource Summary	Prior Years	FY 2014	FY 2015	FY 2016 Base	FY 2016 OCO	FY 2016 Total	FY 2017	FY 2018	FY 2019	FY 2020	To Complete	Total
Procurement Quantity (Units in Each)	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Cost (\$ in Millions)	107.912	-	-	12.131	2.601	14.732	5.967	6.050	6.155	6.145	-	146.961
Less PY Advance Procurement (\$ in Millions)	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P1) (\$ in Millions)	107.912	-	-	12.131	2.601	14.732	5.967	6.050	6.155	6.145	-	146.961
Plus CY Advance Procurement (\$ in Millions)	-	-	-	-	-	-	-	-	-	-	-	-
Total Obligation Authority (\$ in Millions)	107.912	-	-	12.131	2.601	14.732	5.967	6.050	6.155	6.145	-	146.961

(The following Resource Summary rows are for informational purposes only. The corresponding budget requests are documented elsewhere.)

Initial Spares (\$ in Millions)	-	-	-	-	-	-	-	-	-	-	-	-
Flyaway Unit Cost (\$ in Thousands)	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Unit Cost (\$ in Thousands)	-	-	-	133.927	-	133.927	-	-	-	-	-	7,734.789

Description:

The M32A1 and M32A2 Lightweight Handheld Mortar Ballistic Computer (LHMBC) calculates ballistic solutions that give the mortar user data to aim mortar weapon, set the charge, and serve as the Fire Direction Center for all mortar platforms. The M32A1 LHMBC communicates digitally on the Single Channel Ground and Airborne Radio System (SINCGARS). The M32A2 communicates digitally on the newly fielded Soldier Radio Waveform (SRW) Fire Support Network. Both the M32A1 and M32A2 LHMBC versions provide firing computations for all calibers of mortars as well as digital messaging capability. The M32A2 LHMBC will utilize Nett Warrior (NW) Mobile/Handheld (M/HH) platform and will be compatible with Common Operating Environment (COE) 2.0 compliance. The M32A2 LHMBC will comply with ASA(ALT) COE directive for M/HH platform. The M32A1 Lightweight Handheld Mortar Ballistic Computer (LHMBC) will utilize the Ruggedized Tactical Handheld Device (RTHD) platform and will be compatible with COE 1.0 compliance.

This program is a new start in FY 2016.

Secondary Distribution	FY 2014	FY 2015	FY 2016 Base	FY 2016 OCO	FY 2016 Total	FY 2017	FY 2018	FY 2019	FY 2020
Army									
Quantity	-	-	-	-	-	-	-	-	-
Total Obligation Authority	-	-	12.131	2.601	14.732	5.967	6.050	6.155	6.145
Total: Secondary Distribution	-	-	12.131	2.601	14.732	5.967	6.050	6.155	6.145

UNCLASSIFIED

Exhibit P-40, Budget Line Item Justification: PB 2016 Army **Date:** February 2015

Appropriation / Budget Activity / Budget Sub Activity: 2035A: Other Procurement, Army / BA 02: Communications and Electronics Equipment / BSA 86: Elect Equip - Tactical Surv. (Tac Surv)	P-1 Line Item Number / Title: K99200 / Computer Ballistics: LHMBC XM32
--	--

ID Code (A=Service Ready, B=Not Service Ready) :			Program Elements for Code B Items:			Other Related Program Elements:		
Exhibits Schedule			Prior Years	FY 2014	FY 2015	FY 2016 Base	FY 2016 OCO	FY 2016 Total
Title*	Exhibits	ID CD	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)
K99200 / Computer Ballistics: LHMBC XM32	P-5, P-5a, P-21		- / 107.912	- / -	- / -	- / 12.131	- / 2.601	- / 14.732
Total Gross/Weapon System Cost			- / 107.912	- / -	- / -	- / 12.131	- / 2.601	- / 14.732

*Title represents 1) the Number / Title for Items; 2) the Number / Title [DODIC] for Ammunition; and/or 3) the Number / Title (Modification Type) for Modifications.

Note: Totals in this Exhibit P-40 set may not be exact or add due to rounding.

Justification:
 FY 2016 Base procurement dollars in the amount of \$12.131M supports LHMBC software integration of COE 2.0 onto NW platform and procurement of 653ea M32A2 LHMBC NW computers. The M32A2 LHMBC NW with the latest software are urgently needed to replace the obsolete M32 Ruggedized Personal Digital Assistance (RPDA) computers in the field. LHMBC eliminates the need of paper firing table, improves the accuracy of mortar ballistic calculation, and increases survivability of mortar crews by digitally connecting to Fire Support network to receive fire missions and Fire Support Coordination Measures to conduct fratricide check.

FY 2016 OCO procurement dollars in the amount of \$2.601M supports replacement of 110ea M32 LHMBC RPDA with M32A1 LHMBC RTHD due to combat losses and washouts from combat operations (Unserviceable Condition Code F (unrepairable), G (incomplete), and H (condemned) systems in Theater Provided Equipment (TPE) stock. The M32A1 RTHD computer will served as an interim computer to fulfill; US Army and US Army National Guard Infantry Brigade Combat Team shortages during Army reorganization until the M32A2 LHMBC NW integration is complete.

UNCLASSIFIED

Exhibit P-5, Cost Analysis: PB 2016 Army		Date: February 2015
Appropriation / Budget Activity / Budget Sub Activity: 2035A / 02 / 86	P-1 Line Item Number / Title: K99200 / Computer Ballistics: LHMBC XM32	Item Number / Title [DODIC]: K99200 / Computer Ballistics: LHMBC XM32

ID Code (A=Service Ready, B=Not Service Ready) :	MDAP/MAIS Code:
---	------------------------

Resource Summary	Prior Years	FY 2014	FY 2015	FY 2016 Base	FY 2016 OCO	FY 2016 Total
Procurement Quantity (Units in Each)	-	-	-	-	-	-
Gross/Weapon System Cost (\$ in Millions)	107.912	-	-	12.131	2.601	14.732
Less PY Advance Procurement (\$ in Millions)	-	-	-	-	-	-
Net Procurement (P1) (\$ in Millions)	107.912	-	-	12.131	2.601	14.732
Plus CY Advance Procurement (\$ in Millions)	-	-	-	-	-	-
Total Obligation Authority (\$ in Millions)	107.912	-	-	12.131	2.601	14.732

(The following Resource Summary rows are for informational purposes only. The corresponding budget requests are documented elsewhere.)

Initial Spares (\$ in Millions)	-	-	-	-	-	-
Gross/Weapon System Unit Cost (\$ in Thousands)	-	-	-	133.927	-	133.927

Note: Subtotals or Totals in this Exhibit P-5 may not be exact or add, due to rounding.

Cost Elements	Prior Years			FY 2014			FY 2015			FY 2016 Base			FY 2016 OCO			FY 2016 Total		
	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)
Flyaway Cost																		
Recurring Cost																		
LHMBC M32A2 ⁽¹⁾	-	-	-	-	-	-	-	-	-	7.153	653	4.671	-	-	-	7.153	653	4.671
LHMBC M32A1 ⁽¹⁾	-	-	-	-	-	-	-	-	-	-	-	-	20.000	110	2.200	20.000	110	2.200
Production Engineering	-	-	107.912	-	-	-	-	-	-	-	-	1.724	-	-	-	-	-	1.724
Fielding, Installation & New Equip Train	-	-	-	-	-	-	-	-	-	-	-	0.336	-	-	0.401	-	-	0.737
M32A2 COE SW	-	-	-	-	-	-	-	-	-	-	-	5.400	-	-	-	-	-	5.400
<i>Subtotal: Recurring Cost</i>	-	-	<i>107.912</i>	-	-	-	-	-	-	-	-	<i>12.131</i>	-	-	<i>2.601</i>	-	-	<i>14.732</i>
<i>Subtotal: Flyaway Cost</i>	-	-	<i>107.912</i>	-	-	-	-	-	-	-	-	<i>12.131</i>	-	-	<i>2.601</i>	-	-	<i>14.732</i>
Gross/Weapon System Cost	-	-	107.912	-	-	-	-	-	-	133.927	-	12.131	-	-	2.601	133.927	-	14.732

Secondary Distribution		FY 2014	FY 2015	FY 2016 Base	FY 2016 OCO	FY 2016 Total
Army	Quantity	-	-	-	-	-
	Total Obligation Authority	-	-	12.131	2.601	14.732
Total:	Quantity	-	-	-	-	-
Secondary Distribution	Total Obligation Authority	-	-	12.131	2.601	14.732

UNCLASSIFIED

Exhibit P-5, Cost Analysis: PB 2016 Army		Date: February 2015
Appropriation / Budget Activity / Budget Sub Activity: 2035A / 02 / 86	P-1 Line Item Number / Title: K99200 / Computer Ballistics: LHMBC XM32	Item Number / Title [DODIC]: K99200 / Computer Ballistics: LHMBC XM32
ID Code (A=Service Ready, B=Not Service Ready) :		MDAP/MAIS Code:
^(†) indicates the presence of a P-5a		

UNCLASSIFIED

Exhibit P-5a, Procurement History and Planning: PB 2016 Army							Date: February 2015					
Appropriation / Budget Activity / Budget Sub Activity: 2035A / 02 / 86			P-1 Line Item Number / Title: K99200 / Computer Ballistics: LHMBBC XM32				Item Number / Title [DODIC]: K99200 / Computer Ballistics: LHMBBC XM32					
Cost Elements	O C O	FY	Contractor and Location	Method/Type or Funding Vehicle	Location of PCO	Award Date	Date of First Delivery	Qty (Each)	Unit Cost (\$ K)	Specs Avail Now?	Date Revision Available	RFP Issue Date
LHMBBC M32A2 ^(†)		2016	TBS / TBD	C / FP	Picatinny, NJ	May 2016	Jul 2017	653	7.153	Y		
LHMBBC M32A1 ^(†)	✓	2016	TBS / TBD	C / FP	Picatinny, NJ	May 2016	Jul 2017	110	20.000	Y		

^(†) indicates the presence of a P-21

UNCLASSIFIED

Exhibit P-21, Production Schedule: PB 2016 Army Date: February 2015

Appropriation / Budget Activity / Budget Sub Activity: 2035A / 02 / 86 P-1 Line Item Number / Title: K99200 / Computer Ballistics: LHMBBC XM32 Item Number / Title [DODIC]: K99200 / Computer Ballistics: LHMBBC XM32

Cost Elements (Units in Each)						Fiscal Year 2016													Fiscal Year 2017																
O C C O	M F R #	FY	SERVICE	PROC QTY	ACCEPT PRIOR TO 1 OCT 2015	BAL DUE AS OF 1 OCT	Calendar Year 2016													Calendar Year 2017															
							O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	B A L				
LHMBBC M32A2																	A -	-	-	-	-	-	-	-	-	-	-	-	-	-	-	60	60	60	473
LHMBBC M32A1																	A -	-	-	-	-	-	-	-	-	-	-	-	-	-	-	20	20	20	50
✓	2	2016	ARMY	110	-	110										A -	-	-	-	-	-	-	-	-	-	-	-	-	-	20	20	20	50		

UNCLASSIFIED

Exhibit P-21, Production Schedule: PB 2016 Army															Date: February 2015														
Appropriation / Budget Activity / Budget Sub Activity: 2035A / 02 / 86										P-1 Line Item Number / Title: K99200 / Computer Ballistics: LHMBBC XM32										Item Number / Title [DODIC]: K99200 / Computer Ballistics: LHMBBC XM32									

Cost Elements <i>(Units in Each)</i>						Fiscal Year 2018										Fiscal Year 2019															
O C C O	M F R #	FY	SERVICE	PROC QTY	ACCEPT PRIOR TO 1 OCT 2017	BAL DUE AS OF 1 OCT	Calendar Year 2018										Calendar Year 2019														
							O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	B A L
LHMBBC M32A2																															
	1	2016	ARMY	653	180	473	60	60	60	60	60	60	60	60	53														-		
LHMBBC M32A1																															
✓	2	2016	ARMY	110	60	50	20	20	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	B A L

UNCLASSIFIED

Exhibit P-21, Production Schedule: PB 2016 Army				Date: February 2015							
Appropriation / Budget Activity / Budget Sub Activity: 2035A / 02 / 86				P-1 Line Item Number / Title: K99200 / Computer Ballistics: LHMBC XM32				Item Number / Title [DODIC]: K99200 / Computer Ballistics: LHMBC XM32			

MFR Ref #	MFR Name - Location	Production Rates (Each / Month)			Procurement Leadtime (Months)							
		MSR For 2016	1-8-5 For 2016	MAX For 2016	Initial				Reorder			
					ALT Prior to Oct 1	ALT After Oct 1	Mfg PLT	Total After Oct 1	ALT Prior to Oct 1	ALT After Oct 1	Mfg PLT	Total After Oct 1
1	TBS - TBD	30	60	80	3	7	14	21	3	7	12	19
2	TBS - TBD	30	60	80	3	7	14	21	3	7	12	19

"A" in the Delivery Schedule indicates the Contract Award Date.

Note: Due to space limitations, quantities in the Exhibit P-21 delivery calendar are truncated and rounded based on the maximum quantity in the calendar as follows. If the maximum quantity is less than or equal to than 9,999, all quantities are shown as each. If the maximum quantity is between 10,000 and 999,999 all quantities are shown in thousands. If the maximum quantity is between 1,000,000 and 999,999,999 all quantities are shown in millions (rounded to the nearest thousand). If the maximum quantity is equal or greater than 1,000,000,000 all quantities are shown in billions (rounded to the nearest million).

UNCLASSIFIED

Exhibit P-40, Budget Line Item Justification: PB 2016 Army **Date:** February 2015

Appropriation / Budget Activity / Budget Sub Activity: 2035A: Other Procurement, Army / BA 02: Communications and Electronics Equipment / BSA 86: Elect Equip - Tactical Surv. (Tac Surv)	P-1 Line Item Number / Title: K99300 / Mortar Fire Control System
--	---

ID Code (A=Service Ready, B=Not Service Ready) : B			Program Elements for Code B Items:					Other Related Program Elements:				
Resource Summary	Prior Years	FY 2014	FY 2015	FY 2016 Base	FY 2016 OCO	FY 2016 Total	FY 2017	FY 2018	FY 2019	FY 2020	To Complete	Total
Procurement Quantity (Units in Each)	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Cost (\$ in Millions)	346.496	23.100	29.040	10.075	-	10.075	14.869	14.930	12.406	7.731	Continuing	Continuing
Less PY Advance Procurement (\$ in Millions)	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P1) (\$ in Millions)	346.496	23.100	29.040	10.075	-	10.075	14.869	14.930	12.406	7.731	Continuing	Continuing
Plus CY Advance Procurement (\$ in Millions)	-	-	-	-	-	-	-	-	-	-	-	-
Total Obligation Authority (\$ in Millions)	346.496	23.100	29.040	10.075	-	10.075	14.869	14.930	12.406	7.731	Continuing	Continuing
<i>(The following Resource Summary rows are for informational purposes only. The corresponding budget requests are documented elsewhere.)</i>												
Initial Spares (\$ in Millions)	-	-	-	-	-	-	-	-	-	-	-	-
Flyaway Unit Cost (\$ in Thousands)	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Unit Cost (\$ in Thousands)	-	-	-	69.965	-	69.965	-	-	-	-	Continuing	Continuing

Description:

The Mortar Fire Control System (MFCS) accurately determines weapon position and orientation, navigates, calculates ballistics, and communicates digitally on the Single Channel Ground and Airborne Radio System (SINCGARS) and the newly fielded Soldier Radio Waveform (SRW) fire support net. The MFCS consists of the M95/M96 version that is used on mounted 120mm mortars in Armor and Stryker Brigade Combat Teams, and the M150/M151 version that is used on the M120A1 120mm Towed Mortar that is fielded throughout all Infantry Brigade Combat Teams (IBCT). The M95 is used on the M1064A2/M1064A3 Mortar Carriers with the M121 Battalion Mortar System and the M1129A1 Stryker 120mm Mortar Carrier with the 120mm Recoiling Mortar System. The M96 is used on M577 Mortar Fire Direction Center (FDC) vehicle. The M150 is used on the M120A1 120mm Towed Mortar that is mounted on the M1101 Trailer. The M151 is used on the M1097 HWMMV that serves as the IBCT Mortar FDC. Both the M95 and M150 consist of five main components: 1) The Commander's Interface (CI) (M95) or Fire Control Computer (FCC)(M150) links the MFCS components together, communicates, and calculates the ballistic solutions. 2) The Tactical Advanced Land Inertial Navigator (TALIN) is the pointing device and position system that provides the weapon's position, pointing azimuth and elevation. 3) The Gunner's Display (GD) shows the gunner where to point the tube, shows weapon's azimuth and elevation, and the ballistic firing solution. 4) The Driver's Display (DD) (M95 only) provides a "steer-to" display to aid in navigation and emplacement of the vehicle, and 5) The Power Distribution Assembly/Enhanced Power Distribution Assembly filters vehicle power and acts as a circuit breaker isolating MFCS line replaceable units from power fluctuations and surges. The M96 and M151 each consist primarily of the CI (M96) or FCC (M151), installed in the FDC vehicle.

Secondary Distribution		FY 2014	FY 2015	FY 2016 Base	FY 2016 OCO	FY 2016 Total	FY 2017	FY 2018	FY 2019	FY 2020
Army	Quantity	-	-	-	-	-	-	-	-	-
	Total Obligation Authority	18.329	24.447	10.075	-	10.075	14.869	14.930	12.406	7.731
ANG	Quantity	-	-	-	-	-	-	-	-	-
	Total Obligation Authority	4.771	4.593	-	-	-	-	-	-	-
Total:	Quantity	-	-	-	-	-	-	-	-	-

UNCLASSIFIED

Exhibit P-40, Budget Line Item Justification: PB 2016 Army **Date:** February 2015

Appropriation / Budget Activity / Budget Sub Activity: 2035A: Other Procurement, Army / BA 02: Communications and Electronics Equipment / BSA 86: Elect Equip - Tactical Surv. (Tac Surv)	P-1 Line Item Number / Title: K99300 / Mortar Fire Control System
--	---

ID Code (A=Service Ready, B=Not Service Ready) : B		Program Elements for Code B Items:				Other Related Program Elements:				
Secondary Distribution		FY 2014	FY 2015	FY 2016 Base	FY 2016 OCO	FY 2016 Total	FY 2017	FY 2018	FY 2019	FY 2020
Secondary Distribution	Total Obligation Authority	23.100	29.040	10.075	-	10.075	14.869	14.930	12.406	7.731

UNCLASSIFIED

Exhibit P-40, Budget Line Item Justification: PB 2016 Army **Date:** February 2015

Appropriation / Budget Activity / Budget Sub Activity: 2035A: Other Procurement, Army / BA 02: Communications and Electronics Equipment / BSA 86: Elect Equip - Tactical Surv. (Tac Surv)	P-1 Line Item Number / Title: K99300 / Mortar Fire Control System
--	---

ID Code (A=Service Ready, B=Not Service Ready) : B			Program Elements for Code B Items:			Other Related Program Elements:		
Exhibits Schedule			Prior Years	FY 2014	FY 2015	FY 2016 Base	FY 2016 OCO	FY 2016 Total
Title*	Exhibits	ID CD	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)
K99300 / Mortar Fire Control System	P-5, P-5a, P-21	B	- / 346.496	- / 23.100	- / 29.040	- / 10.075	- / -	- / 10.075
Total Gross/Weapon System Cost			- / 346.496	- / 23.100	- / 29.040	- / 10.075	- / -	- / 10.075

*Title represents 1) the Number / Title for Items; 2) the Number / Title [DODIC] for Ammunition; and/or 3) the Number / Title (Modification Type) for Modifications.

Note: Totals in this Exhibit P-40 set may not be exact or add due to rounding.

Justification:
 FY 2016 Base procurement dollars in the amount of \$10.075 million supports the procurement of (92) SRW Hardware Upgrade kit and (144) M95 Stryker FCCs. Systems are urgently required for fielding to eight US Army and Army National guard Infantry Brigade Combat Teams in accordance with HQDA Army Force Generation (ARFORGEN) fielding schedules. These systems improve the accuracy of the M120 towed mortar system from 138 meters Circular Error Probable (CEP) to 75 meters CEP, allowing for first round fire for effect. The systems also increase survivability of mortar crews by eliminating soldier dismount, and adds digital connectivity to the Fire Support network and connectivity to SINCGARS and Force XXI Battle Command Brigade and Below (FBCB2) situational awareness blue data.

Army Acquisition Objective for M150 totals 700
 Army Acquisition Objective for TALIN totals 700
 Army Acquisition Objective for M151 totals 138

In accordance with Section 1815 of the FY 2008 National Defense Authorization Act (P.L. 110-181), this item is necessary for use by the active and reserve components of the Armed Forces for homeland defense missions, domestic emergency responses, and providing military support to civil authorities.

UNCLASSIFIED

Exhibit P-5, Cost Analysis: PB 2016 Army						Date: February 2015		
Appropriation / Budget Activity / Budget Sub Activity: 2035A / 02 / 86			P-1 Line Item Number / Title: K99300 / Mortar Fire Control System			Item Number / Title [DODIC]: K99300 / Mortar Fire Control System		
ID Code (A=Service Ready, B=Not Service Ready) : B				MDAP/MAIS Code:				
Resource Summary			Prior Years	FY 2014	FY 2015	FY 2016 Base	FY 2016 OCO	FY 2016 Total
Procurement Quantity (Units in Each)			-	-	-	-	-	-
Gross/Weapon System Cost (\$ in Millions)			346.496	23.100	29.040	10.075	-	10.075
Less PY Advance Procurement (\$ in Millions)			-	-	-	-	-	-
Net Procurement (P1) (\$ in Millions)			346.496	23.100	29.040	10.075	-	10.075
Plus CY Advance Procurement (\$ in Millions)			-	-	-	-	-	-
Total Obligation Authority (\$ in Millions)			346.496	23.100	29.040	10.075	-	10.075
<i>(The following Resource Summary rows are for informational purposes only. The corresponding budget requests are documented elsewhere.)</i>								
Initial Spares (\$ in Millions)			-	-	-	-	-	-
Gross/Weapon System Unit Cost (\$ in Thousands)			-	-	-	69.965	-	69.965

Note: Subtotals or Totals in this Exhibit P-5 may not be exact or add, due to rounding.

Cost Elements	Prior Years			FY 2014			FY 2015			FY 2016 Base			FY 2016 OCO			FY 2016 Total		
	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)
Flyaway Cost																		
Recurring Cost																		
MFCS-D (M150/M151) ^(†)	-	-	-	87.912	140	12.308	106.563	142	15.132	-	-	-	-	-	-	-	-	-
TALIN - Dependant of M150 ^(†)	-	-	-	51.707	119	6.153	54.000	118	6.372	-	-	-	-	-	-	-	-	-
MFCS (M150)- SRW Radio Hardware Upgrade ^(†)	-	-	-	-	-	-	-	-	-	17.500	92	1.610	-	-	-	17.500	92	1.610
M95 Stryker FCC ^(†)	-	-	-	-	-	-	34.000	36	1.224	35.000	144	5.040	-	-	-	35.000	144	5.040
Government ILS	-	-	-	-	-	-	-	-	0.500	-	-	0.510	-	-	-	-	-	0.510
Production Engineering	-	-	346.496	-	-	2.511	-	-	2.550	-	-	2.040	-	-	-	-	-	2.040
Software Support	-	-	-	-	-	0.400	-	-	0.858	-	-	0.875	-	-	-	-	-	0.875
Fielding, Installation & New Equip Trng	-	-	-	-	-	1.728	-	-	1.800	-	-	-	-	-	-	-	-	-
First Article Testing	-	-	-	-	-	-	-	-	0.454	-	-	-	-	-	-	-	-	-
Manuals	-	-	-	-	-	-	-	-	0.150	-	-	-	-	-	-	-	-	-
<i>Subtotal: Recurring Cost</i>	-	-	346.496	-	-	23.100	-	-	29.040	-	-	10.075	-	-	-	-	-	10.075
<i>Subtotal: Flyaway Cost</i>	-	-	346.496	-	-	23.100	-	-	29.040	-	-	10.075	-	-	-	-	-	10.075
Gross/Weapon System Cost	-	-	346.496	-	-	23.100	-	-	29.040	69.965	-	10.075	-	-	-	69.965	-	10.075

UNCLASSIFIED

Exhibit P-5, Cost Analysis: PB 2016 Army **Date:** February 2015

Appropriation / Budget Activity / Budget Sub Activity: 2035A / 02 / 86	P-1 Line Item Number / Title: K99300 / Mortar Fire Control System	Item Number / Title [DODIC]: K99300 / Mortar Fire Control System
--	---	--

ID Code (A=Service Ready, B=Not Service Ready) : B **MDAP/MAIS Code:**

Secondary Distribution		FY 2014	FY 2015	FY 2016 Base	FY 2016 OCO	FY 2016 Total
Army	Quantity	-	-	-	-	-
	Total Obligation Authority	18.329	24.447	10.075	-	10.075
ANG	Quantity	-	-	-	-	-
	Total Obligation Authority	4.771	4.593	-	-	-
Total: Secondary Distribution	Quantity	-	-	-	-	-
	Total Obligation Authority	23.100	29.040	10.075	-	10.075

(†) indicates the presence of a P-5a

UNCLASSIFIED

Exhibit P-5a, Procurement History and Planning: PB 2016 Army **Date:** February 2015

Appropriation / Budget Activity / Budget Sub Activity: 2035A / 02 / 86	P-1 Line Item Number / Title: K99300 / Mortar Fire Control System	Item Number / Title [DODIC]: K99300 / Mortar Fire Control System
--	---	--

Cost Elements	O C O	FY	Contractor and Location	Method/Type or Funding Vehicle	Location of PCO	Award Date	Date of First Delivery	Qty <i>(Each)</i>	Unit Cost <i>(\$ K)</i>	Specs Avail Now?	Date Revision Available	RFP Issue Date
MFCS-D (M150/M151) ^(†)		2014	Elbit Systems of America / Fort Worth, TX	C / FP	Picatinny, NJ	Apr 2014	Jan 2015	140	87.912	Y		
MFCS-D (M150/M151) ^(†)		2015	TBS / TBD	C / FP	Picatinny, NJ	Jun 2015	Jul 2016	142	106.563	Y		
TALIN - Dependant of M150 ^(†)		2014	Honeywell Sensor and Guidance / Clearwater, FL	C / FP	Warren, MI	Apr 2014	Jan 2015	119	51.707	Y		
TALIN - Dependant of M150 ^(†)		2015	Honeywell Sensor and Guidance / Clearwater, FL	C / FP	Warren, MI	Apr 2015	Jan 2016	118	54.000	Y		
MFCS (M150)- SRW Radio Hardware Upgrade ^(†)		2016	TBS / TBD	C / FP	Picatinny, NJ	May 2016	Jun 2017	92	17.500	Y		
M95 Stryker FCC ^(†)		2015	TBS / TBD	C / FP	Picatinny, NJ	May 2015	Jun 2016	36	34.000	Y		
M95 Stryker FCC ^(†)		2016	TBS / TBD	C / FP	Picatinny, NJ	May 2016	Jun 2017	144	35.000	Y		

^(†) indicates the presence of a P-21

UNCLASSIFIED

Exhibit P-21, Production Schedule: PB 2016 Army															Date: February 2015														
Appropriation / Budget Activity / Budget Sub Activity: 2035A / 02 / 86										P-1 Line Item Number / Title: K99300 / Mortar Fire Control System										Item Number / Title [DODIC]: K99300 / Mortar Fire Control System									

Cost Elements <i>(Units in Each)</i>						Fiscal Year 2014												Fiscal Year 2015													
O C C O	M F R #	FY	SERVICE	PROC QTY	ACCEPT PRIOR TO 1 OCT 2013	BAL DUE AS OF 1 OCT	Calendar Year 2014												Calendar Year 2015												
							O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	B A L
MFCS-D (M150/M151)																															
	1	2014	ARMY	140	-	140																									
	2	2015	ARMY	142	-	142																									
TALIN - Dependant of M150																															
	3	2014	ARMY	119	-	119																									
	3	2015	ARMY	118	-	118																									
MFCS (M150)- SRW Radio Hardware Upgrade																															
	4	2016	ARMY	92	-	92																									
M95 Stryker FCC																															
	5	2015	ARMY	36	-	36																									
	5	2016	ARMY	144	-	144																									
							O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	B A L

UNCLASSIFIED

Exhibit P-21, Production Schedule: PB 2016 Army **Date:** February 2015

Appropriation / Budget Activity / Budget Sub Activity: 2035A / 02 / 86	P-1 Line Item Number / Title: K99300 / Mortar Fire Control System	Item Number / Title [DODIC]: K99300 / Mortar Fire Control System
--	---	--

Cost Elements <i>(Units in Each)</i>						Fiscal Year 2016													Fiscal Year 2017													
O C C O	M F R #	FY	SERVICE	PROC QTY	ACCEPT PRIOR TO 1 OCT 2015	BAL DUE AS OF 1 OCT	Calendar Year 2016													Calendar Year 2017												
							O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	B A L	
MFCS-D (M150/M151)																																
	1	2014	ARMY	140	140	-																										
	2	2015	ARMY	142	-	142	-	-	-	-	-	-	-	-	-	30	30	30	30	22												
TALIN - Dependant of M150																																
	3	2014	ARMY	119	119	-																										
	3	2015	ARMY	118	-	118	-	-	-	-	30	30	30	28																		
MFCS (M150)- SRW Radio Hardware Upgrade																																
	4	2016	ARMY	92	-	92																										
M95 Stryker FCC																																
	5	2015	ARMY	36	-	36	-	-	-	-	-	-	-	-	36																	
	5	2016	ARMY	144	-	144																										
							O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	B A L	

UNCLASSIFIED

Exhibit P-21, Production Schedule: PB 2016 Army **Date:** February 2015

Appropriation / Budget Activity / Budget Sub Activity: 2035A / 02 / 86	P-1 Line Item Number / Title: K99300 / Mortar Fire Control System	Item Number / Title [DODIC]: K99300 / Mortar Fire Control System
--	---	--

MFR Ref #	MFR Name - Location	Production Rates (Each / Month)			Procurement Leadtime (Months)							
		MSR For 2016	1-8-5 For 2016	MAX For 2016	Initial				Reorder			
					ALT Prior to Oct 1	ALT After Oct 1	Mfg PLT	Total After Oct 1	ALT Prior to Oct 1	ALT After Oct 1	Mfg PLT	Total After Oct 1
1	Elbit Systems of America - Fort Worth, TX	5	30	75	13	9	13	22	3	7	9	16
2	TBS - TBD	10	65	130	13	9	13	22	3	7	9	16
3	Honeywell Sensor and Guidance - Clearwater, FL	5	30	70	13	9	13	22	3	7	9	16
4	TBS - TBD	10	65	130	13	9	13	22	3	7	9	16
5	TBS - TBD	10	65	130	13	9	13	22	3	7	9	16

"A" in the Delivery Schedule indicates the Contract Award Date.

Note: Due to space limitations, quantities in the Exhibit P-21 delivery calendar are truncated and rounded based on the maximum quantity in the calendar as follows. If the maximum quantity is less than or equal to than 9,999, all quantities are shown as each. If the maximum quantity is between 10,000 and 999,999 all quantities are shown in thousands. If the maximum quantity is between 1,000,000 and 999,999,999 all quantities are shown in millions (rounded to the nearest thousand). If the maximum quantity is equal or greater than 1,000,000,000 all quantities are shown in billions (rounded to the nearest million).

UNCLASSIFIED

Exhibit P-40, Budget Line Item Justification: PB 2016 Army **Date:** February 2015

Appropriation / Budget Activity / Budget Sub Activity: 2035A: Other Procurement, Army / BA 02: Communications and Electronics Equipment / BSA 86: Elect Equip - Tactical Surv. (Tac Surv)	P-1 Line Item Number / Title: BA5500 / Counterfire Radars
--	---

ID Code (A=Service Ready, B=Not Service Ready) :	Program Elements for Code B Items:	Other Related Program Elements: 0604823A
---	---	---

Resource Summary	Prior Years	FY 2014	FY 2015	FY 2016 Base	FY 2016 OCO	FY 2016 Total	FY 2017	FY 2018	FY 2019	FY 2020	To Complete	Total
Procurement Quantity <i>(Units in Each)</i>	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Cost <i>(\$ in Millions)</i>	1,452.265	348.557	159.050	217.379	-	217.379	345.879	217.246	98.900	-	-	2,839.276
Less PY Advance Procurement <i>(\$ in Millions)</i>	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P1) <i>(\$ in Millions)</i>	1,452.265	348.557	159.050	217.379	-	217.379	345.879	217.246	98.900	-	-	2,839.276
Plus CY Advance Procurement <i>(\$ in Millions)</i>	-	-	-	-	-	-	-	-	-	-	-	-
Total Obligation Authority <i>(\$ in Millions)</i>	1,452.265	348.557	159.050	217.379	-	217.379	345.879	217.246	98.900	-	-	2,839.276

(The following Resource Summary rows are for informational purposes only. The corresponding budget requests are documented elsewhere.)

Initial Spares <i>(\$ in Millions)</i>	-	-	-	-	-	-	-	-	-	-	-	-
Flyaway Unit Cost <i>(\$ in Thousands)</i>	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Unit Cost <i>(\$ in Thousands)</i>	-	-	-	14,491.933	-	14,491.933	-	-	-	-	-	149,435.579

Description:

The AN/TPQ-53 (formerly known as the Enhanced AN/TPQ-36) Counterfire Target Acquisition Radar System Capability Production Document (CPD) was approved on 29 September 2010. The AN/TPQ-53 System is a highly mobile radar set that automatically detects, classifies, tracks, and locates the point of origin of projectiles fired from rocket, artillery and mortar (RAM) systems with sufficient accuracy for first round fire for effect. It mitigates close combat radar coverage gaps and will replace the current AN/TPQ-36 and AN/TPQ-37 Firefinder Radars, modernizing brigade combat teams (BCTs) and fires brigades. The AN/TPQ-53 System interoperates with battle command systems (BCSs) to provide the maneuver commander increased counterfire radar flexibility. The AN/TPQ-53 system is capable of being deployed as part of the Indirect Fire Protection Capability (IFPC) system of systems (SoS) to provide a sense and warn capability for fixed and semi-fixed sites. The AN/TPQ-53 System provides a system with increased range and accuracy throughout a 90 degree search sector (stare mode) as well as 360 degree coverage (rotating) for locating mortar, artillery and rocket firing positions.

Army Acquisition Objective (AAO): 174

Secondary Distribution	FY 2014	FY 2015	FY 2016 Base	FY 2016 OCO	FY 2016 Total	FY 2017	FY 2018	FY 2019	FY 2020
Army	Quantity	-	-	-	-	-	-	-	-
	Total Obligation Authority	224.356	-	73.495	-	73.495	221.172	84.920	32.904
ANG	Quantity	-	-	-	-	-	-	-	-
	Total Obligation Authority	124.201	159.050	143.884	-	143.884	124.707	132.326	65.996
Total:	Quantity	-	-	-	-	-	-	-	-
Secondary Distribution	Total Obligation Authority	348.557	159.050	217.379	-	217.379	345.879	217.246	98.900

UNCLASSIFIED

Exhibit P-40, Budget Line Item Justification: PB 2016 Army **Date:** February 2015

Appropriation / Budget Activity / Budget Sub Activity: 2035A: Other Procurement, Army / BA 02: Communications and Electronics Equipment / BSA 86: Elect Equip - Tactical Surv. (Tac Surv)	P-1 Line Item Number / Title: BA5500 / Counterfire Radars
--	---

ID Code (A=Service Ready, B=Not Service Ready) :			Program Elements for Code B Items:			Other Related Program Elements: 0604823A		
Exhibits Schedule			Prior Years	FY 2014	FY 2015	FY 2016 Base	FY 2016 OCO	FY 2016 Total
Title*	Exhibits	ID CD	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)
B05310 / ENHANCED AN/TPQ 36	P-5, P-5a, P-21		84 / 1,452.265	20 / 348.557	9 / 159.050	15 / 217.379	- / -	15 / 217.379
Total Gross/Weapon System Cost			- / 1,452.265	- / 348.557	- / 159.050	- / 217.379	- / -	- / 217.379

*Title represents 1) the Number / Title for Items; 2) the Number / Title [DODIC] for Ammunition; and/or 3) the Number / Title (Modification Type) for Modifications.

Note: Totals in this Exhibit P-40 set may not be exact or add due to rounding.

Justification:
 The Fiscal Year (FY) 2016 procurement dollars in the amount of \$217.379 million supports the procurement of fifteen (15) AN/TPQ-53 radars.

 The FY 2016 funding request was reduced by \$69.097 million to account for the availability of prior year execution balances.

 In accordance with Section 1815 of the FY 2008 National Defense Authorization Act (P.L. 110-181), this item is necessary for use by the active and reserve components of the Armed Forces for homeland defense missions, domestic emergency responses, and providing military support to civil authorities.

UNCLASSIFIED

Exhibit P-5, Cost Analysis: PB 2016 Army		Date: February 2015
Appropriation / Budget Activity / Budget Sub Activity: 2035A / 02 / 86	P-1 Line Item Number / Title: BA5500 / Counterfire Radars	Item Number / Title [DODIC]: B05310 / ENHANCED AN/TPQ 36

ID Code (A=Service Ready, B=Not Service Ready) :	MDAP/MAIS Code:
---	------------------------

Resource Summary	Prior Years	FY 2014	FY 2015	FY 2016 Base	FY 2016 OCO	FY 2016 Total
Procurement Quantity (Units in Each)	84	20	9	15	-	15
Gross/Weapon System Cost (\$ in Millions)	1,452.265	348.557	159.050	217.379	-	217.379
Less PY Advance Procurement (\$ in Millions)	-	-	-	-	-	-
Net Procurement (P1) (\$ in Millions)	1,452.265	348.557	159.050	217.379	-	217.379
Plus CY Advance Procurement (\$ in Millions)	-	-	-	-	-	-
Total Obligation Authority (\$ in Millions)	1,452.265	348.557	159.050	217.379	-	217.379

(The following Resource Summary rows are for informational purposes only. The corresponding budget requests are documented elsewhere.)

Initial Spares (\$ in Millions)	-	-	-	-	-	-
Gross/Weapon System Unit Cost (\$ in Thousands)	17,288.869	17,427.850	17,672.222	14,491.933	-	14,491.933

Note: Subtotals or Totals in this Exhibit P-5 may not be exact or add, due to rounding.

Cost Elements	Prior Years			FY 2014			FY 2015			FY 2016 Base			FY 2016 OCO			FY 2016 Total		
	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)
Flyaway Cost																		
Recurring Cost																		
Hardware (AN/TPQ-53) ^(†)	-	-	952.850	11,222.000	20	224.440	11,074.000	9	99.666	11,074.000	15	166.110	-	-	-	11,074.000	15	166.110
Ancillary Equipment	-	-	160.920	-	-	15.741	-	-	10.479	-	-	12.986	-	-	-	-	-	12.986
Engineering Change Orders	-	-	17.809	-	-	-	-	-	2.997	-	-	3.330	-	-	-	-	-	3.330
Acceptance and Live Fire Testing	-	-	36.495	-	-	2.559	-	-	1.350	-	-	2.250	-	-	-	-	-	2.250
Interim Contractor Support	-	-	96.552	-	-	28.290	-	-	19.736	-	-	12.598	-	-	-	-	-	12.598
Training Devices	-	-	6.218	-	-	1.763	-	-	2.873	-	-	0.500	-	-	-	-	-	0.500
Fielding	-	-	102.463	-	-	53.956	-	-	6.000	-	-	6.000	-	-	-	-	-	6.000
Post Deployment Software Support	-	-	4.715	-	-	6.433	-	-	2.500	-	-	2.500	-	-	-	-	-	2.500
Program Management Support	-	-	74.243	-	-	15.375	-	-	13.449	-	-	11.105	-	-	-	-	-	11.105
<i>Subtotal: Recurring Cost</i>	-	-	1,452.265	-	-	348.557	-	-	159.050	-	-	217.379	-	-	-	-	-	217.379
<i>Subtotal: Flyaway Cost</i>	-	-	1,452.265	-	-	348.557	-	-	159.050	-	-	217.379	-	-	-	-	-	217.379
Gross/Weapon System Cost	17,288.869	84	1,452.265	17,427.850	20	348.557	17,672.222	9	159.050	14,491.933	15	217.379	-	-	-	14,491.933	15	217.379

UNCLASSIFIED

Exhibit P-5, Cost Analysis: PB 2016 Army **Date:** February 2015

Appropriation / Budget Activity / Budget Sub Activity: 2035A / 02 / 86	P-1 Line Item Number / Title: BA5500 / Counterfire Radars	Item Number / Title [DODIC]: B05310 / ENHANCED AN/TPQ 36
--	---	--

ID Code (A=Service Ready, B=Not Service Ready) : **MDAP/MAIS Code:**

Secondary Distribution		FY 2014	FY 2015	FY 2016 Base	FY 2016 OCO	FY 2016 Total
Army	Quantity	14	-	5	-	5
	Total Obligation Authority	224.356	-	73.495	-	73.495
ANG	Quantity	6	9	10	-	10
	Total Obligation Authority	124.201	159.050	143.884	-	143.884
Total:	Quantity	20	9	15	-	15
Secondary Distribution	Total Obligation Authority	348.557	159.050	217.379	-	217.379

(†) indicates the presence of a P-5a

UNCLASSIFIED

Exhibit P-5a, Procurement History and Planning: PB 2016 Army **Date:** February 2015

Appropriation / Budget Activity / Budget Sub Activity: 2035A / 02 / 86	P-1 Line Item Number / Title: BA5500 / Counterfire Radars	Item Number / Title [DODIC]: B05310 / ENHANCED AN/TPQ 36
--	---	--

Cost Elements	O C O	FY	Contractor and Location	Method/Type or Funding Vehicle	Location of PCO	Award Date	Date of First Delivery	Qty <i>(Each)</i>	Unit Cost <i>(\$ K)</i>	Specs Avail Now?	Date Revision Available	RFP Issue Date
Hardware (AN/TPQ-53) ^(†)		2014	Lockheed Martin / Syracuse, NY	SS / FP	CECOM	Mar 2014	Sep 2015	13	11,222.000	N		
Hardware (AN/TPQ-53) ^(†)		2014	Lockheed Martin / Syracuse, NY	SS / FP	CECOM	Aug 2015	Feb 2017	7	11,222.000	N		Jul 2015
Hardware (AN/TPQ-53) ^(†)		2015	Lockheed Martin / Syracuse, NY	SS / FP	CECOM	Feb 2016	Aug 2017	9	11,074.000	N		Feb 2015
Hardware (AN/TPQ-53) ^(†)		2016	Lockheed Martin / Syracuse, NY	SS / FP	CECOM	Feb 2016	Aug 2017	15	11,074.000	N		Feb 2015

^(†) indicates the presence of a P-21

UNCLASSIFIED

Exhibit P-21, Production Schedule: PB 2016 Army **Date:** February 2015

Appropriation / Budget Activity / Budget Sub Activity: 2035A / 02 / 86	P-1 Line Item Number / Title: BA5500 / Counterfire Radars	Item Number / Title [DODIC]: B05310 / ENHANCED AN/TPQ 36
--	---	--

Cost Elements <i>(Units in Each)</i>						Fiscal Year 2014												Fiscal Year 2015													
O C C O	M F R #	FY	SERVICE	PROC QTY	ACCEPT PRIOR TO 1 OCT 2013	BAL DUE AS OF 1 OCT	Calendar Year 2014												Calendar Year 2015												
							O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	B A L
Hardware (AN/TPQ-53)																															
	1	2014	ARMY (XVI)	13	-	13																									
	2	2014	ARMY (XVII)	7	-	7																									
	3	2015	ARMY	9	-	9																									
	4	2016	ARMY	15	-	15																									
							O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	B A L

UNCLASSIFIED

Exhibit P-21, Production Schedule: PB 2016 Army **Date:** February 2015

Appropriation / Budget Activity / Budget Sub Activity: 2035A / 02 / 86 **P-1 Line Item Number / Title:** BA5500 / Counterfire Radars **Item Number / Title [DODIC]:** B05310 / ENHANCED AN/TPQ 36

Cost Elements <i>(Units in Each)</i>						Fiscal Year 2016												Fiscal Year 2017													
O C C O	M F R #	FY	SERVICE	PROC QTY	ACCEPT PRIOR TO 1 OCT 2015	BAL DUE AS OF 1 OCT	Calendar Year 2016												Calendar Year 2017												B A L
							O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	
Hardware (AN/TPQ-53)																															
	1	2014	ARMY (XVI)	13	2	11	1	1	1	1	1	1	1	1	1	1														-	
	2	2014	ARMY (XVII)	7	-	7	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	1	1	1	1	2			-	
	3	2015	ARMY	9	-	9					A -	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	1	7		
	4	2016	ARMY	15	-	15					A -	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	1	13			
							O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	B A L

UNCLASSIFIED

Exhibit P-21, Production Schedule: PB 2016 Army **Date:** February 2015

Appropriation / Budget Activity / Budget Sub Activity: 2035A / 02 / 86	P-1 Line Item Number / Title: BA5500 / Counterfire Radars	Item Number / Title [DODIC]: B05310 / ENHANCED AN/TPQ 36
--	---	--

Cost Elements <i>(Units in Each)</i>						Fiscal Year 2018												Fiscal Year 2019													
O C C O	M F R #	FY	SERVICE	PROC QTY	ACCEPT PRIOR TO 1 OCT 2017	BAL DUE AS OF 1 OCT	Calendar Year 2018												Calendar Year 2019												
							O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	B A L
Hardware (AN/TPQ-53)																															
	1	2014	ARMY (XVI)	13	13	-																									
	2	2014	ARMY (XVII)	7	7	-																									
	3	2015	ARMY	9	2	7	1	1	1	1	1	1																			
	4	2016	ARMY	15	2	13	1	1	1	1	1	1	2	2	2																
							O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	B A L

UNCLASSIFIED

Exhibit P-21, Production Schedule: PB 2016 Army **Date:** February 2015

Appropriation / Budget Activity / Budget Sub Activity: 2035A / 02 / 86	P-1 Line Item Number / Title: BA5500 / Counterfire Radars	Item Number / Title [DODIC]: B05310 / ENHANCED AN/TPQ 36
--	---	--

MFR Ref #	MFR Name - Location	Production Rates (Each / Month)			Procurement Leadtime (Months)								
		MSR For 2016	1-8-5 For 2016	MAX For 2016	Initial				Reorder				
					ALT Prior to Oct 1	ALT After Oct 1	Mfg PLT	Total After Oct 1	ALT Prior to Oct 1	ALT After Oct 1	Mfg PLT	Total After Oct 1	
1	Lockheed Martin - Syracuse, NY	12	24	60	-	-	-	-	-	-	5	18	23
2	Lockheed Martin - Syracuse, NY	12	24	60	-	-	-	-	-	-	10	18	28
3	Lockheed Martin - Syracuse, NY	12	24	60	-	4	18	22	-	-	-	-	-
4	Lockheed Martin - Syracuse, NY	12	24	60	-	-	-	-	-	-	4	18	22

Remarks:
* Pending a successful Initial Operational Test and Evaluation (IOT&E) and Full Rate Production (FRP) decision.

"A" in the Delivery Schedule indicates the Contract Award Date.
Note: Due to space limitations, quantities in the Exhibit P-21 delivery calendar are truncated and rounded based on the maximum quantity in the calendar as follows. If the maximum quantity is less than or equal to than 9,999, all quantities are shown as each. If the maximum quantity is between 10,000 and 999,999 all quantities are shown in thousands. If the maximum quantity is between 1,000,000 and 999,999,999 all quantities are shown in millions (rounded to the nearest thousand). If the maximum quantity is equal or greater than 1,000,000,000 all quantities are shown in billions (rounded to the nearest million).

Service/Agency Suffixes:
(XVI) LRIP Lot 4
(XVII) FRP Lot 1*

UNCLASSIFIED

Exhibit P-40, Budget Line Item Justification: PB 2016 Army **Date:** February 2015

Appropriation / Budget Activity / Budget Sub Activity: 2035A: Other Procurement, Army / BA 02: Communications and Electronics Equipment / BSA 89: Elect Equip - Tactical C2 Systems	P-1 Line Item Number / Title: B28501 / Fire Support C2 Family
--	---

ID Code (A=Service Ready, B=Not Service Ready) :	Program Elements for Code B Items:						Other Related Program Elements: 0203726A, 0203728A					
Resource Summary	Prior Years	FY 2014	FY 2015	FY 2016 Base	FY 2016 OCO	FY 2016 Total	FY 2017	FY 2018	FY 2019	FY 2020	To Complete	Total
Procurement Quantity (Units in Each)	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Cost (\$ in Millions)	896.389	38.828	13.823	1.190	0.048	1.238	3.890	3.856	3.381	1.112	Continuing	Continuing
Less PY Advance Procurement (\$ in Millions)	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P1) (\$ in Millions)	896.389	38.828	13.823	1.190	0.048	1.238	3.890	3.856	3.381	1.112	Continuing	Continuing
Plus CY Advance Procurement (\$ in Millions)	-	-	-	-	-	-	-	-	-	-	-	-
Total Obligation Authority (\$ in Millions)	896.389	38.828	13.823	1.190	0.048	1.238	3.890	3.856	3.381	1.112	Continuing	Continuing
<i>(The following Resource Summary rows are for informational purposes only. The corresponding budget requests are documented elsewhere.)</i>												
Initial Spares (\$ in Millions)	-	-	-	-	-	-	-	-	-	-	-	-
Flyaway Unit Cost (\$ in Thousands)	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Unit Cost (\$ in Thousands)	-	-	-	619.000	-	619.000	-	-	-	-	Continuing	Continuing

Description:

Fire Support Command and Control (FSC2) systems automate the planning and execution of fire support operations 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. FSC2 family consists of Gun Display Unit -Replacement (GDU-R), Ruggedized Handheld Computer (RHC), Advanced Field Artillery Tactical Data System (AFATDS), Light Weight Technical Fire Direction System (LWTFDS), and Pocket-sized Forward Entry Device (PFED).

The Gun Display Unit-Replacement (GDU-R) system allows non-digitized howitzer firing sections to receive and display firing data and firing commands transmitted by the Advanced Field Artillery Tactical Data System (AFATDS) at the platoon Fire Direction Center, and transmit the status of the gun to the AFATDS as the fire mission progresses. The GDU-R is fully fielded and will be retired when the last M119A2 towed howitzer is digitized.

The Ruggedized Handheld Computer (RHC) is hardware used to host the Forward Observer System (FOS) software, combined are known as the Lightweight Forward Entry Device (LFED). The LFED is a handheld device used by mounted forward observers and fire support teams to transmit and receive fire support messages over standard military radios. They provide a digitized connection between the fire support teams and the Advanced Field Artillery Tactical Data System (AFATDS), and provide a vital sensor-to-shooter link. LFED/RHC enables mounted forward observers and fire support officers to plan, control and execute fire support operations at maneuver platoon, company, battalion, and brigade levels. The Approved Acquisition Objective for RHC is 2,587.

AFATDS provides joint automated fire support command, control and communications and functions as the land component's automated Fire Support Command and Control (FSC2) system. AFATDS is used in the Fires Warfighting Function to plan, execute, and deliver lethal and non-lethal fires within the overall Mission Command and Control (MC2) enterprise. The system interoperates and integrates with: over 80 different battlefield systems from Army, Marine Corps, Navy, and Air Force; and Coalition Forces fire support command and control systems. AFATDS fuses the essential situational awareness data, intelligence information and targeting data, in near real time, in order to effectively manage target selection and target engagement in accordance with the Maneuver Commanders guidance and priorities and to safely execute against friendly situational picture. AFATDS pairs targets to weapons to provide optimum use of fire support assets and timely execution of fire missions. AFATDS automates the planning, coordinating, and controlling of all fire support assets (field artillery, mortars, close air support, naval gunfire, attack helicopters, offensive electronic warfare, fire support meteorological systems, forward observers, and fire support radars).

The Light Weight Technical Direction System (LWTFDS) currently consists of one product, Centaur. Centaur is a handheld system which provides technical fire control for the cannon Fire Direction Centers (FDCs). Centaur replaced the 1980's era Back-up Computer System (BUCS) which is no longer in service. Centaur serves as a backup technical fire direction capability in case the primary capability, Advanced Field Artillery Tactical Data System (AFATDS) is unavailable and serves as a secondary calculation check for AFATDS. In addition, Centaur provides early entry forces with the capability to compute automated

UNCLASSIFIED

Exhibit P-40, Budget Line Item Justification: PB 2016 Army **Date:** February 2015

Appropriation / Budget Activity / Budget Sub Activity: 2035A: Other Procurement, Army / BA 02: Communications and Electronics Equipment / BSA 89: Elect Equip - Tactical C2 Systems	P-1 Line Item Number / Title: B28501 / Fire Support C2 Family
--	---

ID Code (A=Service Ready, B=Not Service Ready) :	Program Elements for Code B Items:	Other Related Program Elements: 0203726A, 0203728A
---	---	---

cannon ballistic firing solutions before AFATDS arrives. Centaur hosts the North Atlantic Treaty Organization (NATO) Armament Ballistic Kernel (NABK) computational software algorithm which is ported onto a Rugged Personal Digital Assistant (RPDA).

The Pocket-sized Forward Entry Device (PFED) (Inc 1) is a handheld hardware device that enables rapid precision Sensor-to-Shooter and Surveillance capabilities. PFED is fully interoperable with Advanced Field Artillery Tactical Data System (AFATDS) and current fire support systems. The Approved Acquisition Objective for PFED Inc 1 is 2,761. PFED Increment 2 is a software application that operates on the Nett Warrior (NW) End User Device (EUD). It will provide the dismounted Forward Observer (FO) and Fire Support Teams (FISTs) the capability to accurately and rapidly locate ground targets and enable the Nett Warrior ensemble to digitally process a Call For Fire. PFED Inc 2 aligns with the Army's Fires and Effects Concept of Operation and contributes to Networked Fires as part of the combined arms teams in Army, Special Operations Forces (SOF), and Joint operations. PFED Inc 2 supports the Mobile Handheld Computing Environment requirement that all handheld applications reside on the Nett Warrior EUD. PFED Inc 1 will remain fielded and sustained until units receive PFED Inc 2-capable Nett Warrior End User Devices (EUDs). PFED Inc 2 software will be deployed by Nett Warrior IAW the NW fielding schedule.

Secondary Distribution		FY 2014	FY 2015	FY 2016 Base	FY 2016 OCO	FY 2016 Total	FY 2017	FY 2018	FY 2019	FY 2020
Army	Quantity	-	-	-	-	-	-	-	-	-
	Total Obligation Authority	21.702	11.270	1.190	0.048	1.238	3.890	3.856	3.381	1.112
ANG	Quantity	-	-	-	-	-	-	-	-	-
	Total Obligation Authority	17.126	2.553	-	-	-	-	-	-	-
Total: Secondary Distribution	Quantity	-	-	-	-	-	-	-	-	-
	Total Obligation Authority	38.828	13.823	1.190	0.048	1.238	3.890	3.856	3.381	1.112

UNCLASSIFIED

Exhibit P-40, Budget Line Item Justification: PB 2016 Army **Date:** February 2015

Appropriation / Budget Activity / Budget Sub Activity: 2035A: Other Procurement, Army / BA 02: Communications and Electronics Equipment / BSA 89: Elect Equip - Tactical C2 Systems	P-1 Line Item Number / Title: B28501 / Fire Support C2 Family
--	---

ID Code (A=Service Ready, B=Not Service Ready) :	Program Elements for Code B Items:	Other Related Program Elements: 0203726A, 0203728A
---	---	---

Exhibits Schedule			Prior Years	FY 2014	FY 2015	FY 2016 Base	FY 2016 OCO	FY 2016 Total
Title*	Exhibits	ID CD	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)
B28502 / Gun Display Unit -Replacement (GDU-R)	P-5		- / 23.016	- / 0.414	- / -	- / -	- / -	- / -
B28503 / Ruggedized Handheld Computer (RHC)	P-5, P-5a		700 / 59.321	385 / 13.101	- / 3.371	- / -	- / -	- / -
B28620 / MOD OF IN-SVC EQUIP, AFATDS	P-5, P-5a		955 / 182.081	189 / 14.701	- / 8.163	- / -	2 / 0.048	2 / 0.048
B78400 / Light Weight Technical Fire Direction Sys (LWTFDS)	P-5		- / 332.505	- / 1.567	- / -	- / -	- / -	- / -
BZ9851 / POCKET FORWARD ENTRY DEVICE (PFED)	P-5, P-5a		- / 299.466	386 / 9.045	- / 2.289	- / 1.190	- / -	- / 1.190
Total Gross/Weapon System Cost			- / 896.389	- / 38.828	- / 13.823	- / 1.190	- / 0.048	- / 1.238

*Title represents 1) the Number / Title for Items; 2) the Number / Title [DODIC] for Ammunition; and/or 3) the Number / Title (Modification Type) for Modifications.

Note: Totals in this Exhibit P-40 set may not be exact or add due to rounding.

Justification:
 FY 2016 Base procurement dollars in the amount of \$1.190 million supports Pocket-sized Forward Entry Device (PFED) Inc 1 and Inc 2 logistics/engineering support, PFED Inc 2 ancillary items purchase, program management, PFED Inc 1 fielding and New Equipment Training (NET).

 FY 2016 OCO dollars in the amount of \$.048 million supports retrograde operations in Afghanistan that have yielded an austere environment where rapid in-theatre systems replacement is infeasible. The large retrograde effort depleted the availability of theatre-provided equipment. In addition, available systems are outdated or have been affected by dust, and power fluctuations that have shortened equipment lifecycles. Further, near term circumstances in the operational environment demand quick action to source equipment to cover emerging mission sets without degrading existing capability.

 In accordance with Section 1815 of the FY2008 National Defense Authorization Act (P. L. 110-181), this item is necessary for use by the active and reserve components of the Armed Forces for homeland defense missions, domestic emergency responses, and providing military support to civil authorities.

UNCLASSIFIED

Exhibit P-5, Cost Analysis: PB 2016 Army		Date: February 2015
Appropriation / Budget Activity / Budget Sub Activity: 2035A / 02 / 89	P-1 Line Item Number / Title: B28501 / Fire Support C2 Family	Item Number / Title [DODIC]: B28502 / Gun Display Unit -Replacement (GDU-R)

ID Code (A=Service Ready, B=Not Service Ready) :	MDAP/MAIS Code:
---	------------------------

Resource Summary	Prior Years	FY 2014	FY 2015	FY 2016 Base	FY 2016 OCO	FY 2016 Total
Procurement Quantity (Units in Each)	-	-	-	-	-	-
Gross/Weapon System Cost (\$ in Millions)	23.016	0.414	-	-	-	-
Less PY Advance Procurement (\$ in Millions)	-	-	-	-	-	-
Net Procurement (P1) (\$ in Millions)	23.016	0.414	-	-	-	-
Plus CY Advance Procurement (\$ in Millions)	-	-	-	-	-	-
Total Obligation Authority (\$ in Millions)	23.016	0.414	-	-	-	-

(The following Resource Summary rows are for informational purposes only. The corresponding budget requests are documented elsewhere.)

Initial Spares (\$ in Millions)	-	-	-	-	-	-
Gross/Weapon System Unit Cost (\$ in Thousands)	-	-	-	-	-	-

Note: Subtotals or Totals in this Exhibit P-5 may not be exact or add, due to rounding.

Cost Elements	Prior Years			FY 2014			FY 2015			FY 2016 Base			FY 2016 OCO			FY 2016 Total		
	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)
Flyaway Cost																		
Recurring Cost																		
Program Management Support	-	-	3.837	-	-	0.414	-	-	-	-	-	-	-	-	-	-	-	-
Hardware	-	-	16.620	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
New Equipment Training	-	-	0.900	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Engineering Support	-	-	0.759	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Fielding	-	-	0.900	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
<i>Subtotal: Recurring Cost</i>	-	-	<i>23.016</i>	-	-	<i>0.414</i>	-	-	-	-	-	-	-	-	-	-	-	-
<i>Subtotal: Flyaway Cost</i>	-	-	<i>23.016</i>	-	-	<i>0.414</i>	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Cost	-	-	23.016	-	-	0.414	-	-	-	-	-	-	-	-	-	-	-	-

Secondary Distribution		FY 2014	FY 2015	FY 2016 Base	FY 2016 OCO	FY 2016 Total
Army	Quantity	-	-	-	-	-
	Total Obligation Authority	0.414	-	-	-	-
Total:	Quantity	-	-	-	-	-
Secondary Distribution	Total Obligation Authority	0.414	-	-	-	-

UNCLASSIFIED

Exhibit P-5, Cost Analysis: PB 2016 Army		Date: February 2015
Appropriation / Budget Activity / Budget Sub Activity: 2035A / 02 / 89	P-1 Line Item Number / Title: B28501 / Fire Support C2 Family	Item Number / Title [DODIC]: B28503 / Ruggedized Handheld Computer (RHC)

ID Code (A=Service Ready, B=Not Service Ready) :	MDAP/MAIS Code:
---	------------------------

Resource Summary	Prior Years	FY 2014	FY 2015	FY 2016 Base	FY 2016 OCO	FY 2016 Total
Procurement Quantity (Units in Each)	700	385	-	-	-	-
Gross/Weapon System Cost (\$ in Millions)	59.321	13.101	3.371	-	-	-
Less PY Advance Procurement (\$ in Millions)	-	-	-	-	-	-
Net Procurement (P1) (\$ in Millions)	59.321	13.101	3.371	-	-	-
Plus CY Advance Procurement (\$ in Millions)	-	-	-	-	-	-
Total Obligation Authority (\$ in Millions)	59.321	13.101	3.371	-	-	-

(The following Resource Summary rows are for informational purposes only. The corresponding budget requests are documented elsewhere.)

Initial Spares (\$ in Millions)	-	-	-	-	-	-
Gross/Weapon System Unit Cost (\$ in Thousands)	84.744	34.029	-	-	-	-

Note: Subtotals or Totals in this Exhibit P-5 may not be exact or add, due to rounding.

Cost Elements	Prior Years			FY 2014			FY 2015			FY 2016 Base			FY 2016 OCO			FY 2016 Total		
	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)
Flyaway Cost																		
Recurring Cost																		
Hardware ^(†)	46.695	1,198	55.941	27.330	385	10.522	-	-	-	-	-	-	-	-	-	-	-	-
New Equipment Training	-	-	0.980	-	-	0.990	-	-	1.200	-	-	-	-	-	-	-	-	-
Project Management Administration	-	-	0.600	-	-	0.304	-	-	0.400	-	-	-	-	-	-	-	-	-
Engineering Support	-	-	0.900	-	-	1.100	-	-	0.900	-	-	-	-	-	-	-	-	-
Fielding	-	-	0.900	-	-	0.185	-	-	0.871	-	-	-	-	-	-	-	-	-
<i>Subtotal: Recurring Cost</i>	-	-	59.321	-	-	13.101	-	-	3.371	-	-	-	-	-	-	-	-	-
<i>Subtotal: Flyaway Cost</i>	-	-	59.321	-	-	13.101	-	-	3.371	-	-	-	-	-	-	-	-	-
Gross/Weapon System Cost	84.744	700	59.321	34.029	385	13.101	-	-	3.371	-	-	-	-	-	-	-	-	-

Secondary Distribution		FY 2014	FY 2015	FY 2016 Base	FY 2016 OCO	FY 2016 Total
Army	Quantity	231	-	-	-	-
	Total Obligation Authority	7.674	3.371	-	-	-
ANG	Quantity	154	-	-	-	-
	Total Obligation Authority	5.427	-	-	-	-
Total:	Quantity	385	-	-	-	-

UNCLASSIFIED

Exhibit P-5, Cost Analysis: PB 2016 Army		Date: February 2015
Appropriation / Budget Activity / Budget Sub Activity: 2035A / 02 / 89	P-1 Line Item Number / Title: B28501 / Fire Support C2 Family	Item Number / Title [DODIC]: B28503 / Ruggedized Handheld Computer (RHC)

ID Code (A=Service Ready, B=Not Service Ready) :	MDAP/MAIS Code:
---	------------------------

Secondary Distribution		FY 2014	FY 2015	FY 2016 Base	FY 2016 OCO	FY 2016 Total
Secondary Distribution	Total Obligation Authority	13.101	3.371	-	-	-

(t) indicates the presence of a P-5a

UNCLASSIFIED

Exhibit P-5a, Procurement History and Planning: PB 2016 Army							Date: February 2015					
Appropriation / Budget Activity / Budget Sub Activity: 2035A / 02 / 89			P-1 Line Item Number / Title: B28501 / Fire Support C2 Family				Item Number / Title [DODIC]: B28503 / Ruggedized Handheld Computer (RHC)					
Cost Elements	O C O	FY	Contractor and Location	Method/Type or Funding Vehicle	Location of PCO	Award Date	Date of First Delivery	Qty (Each)	Unit Cost (\$ K)	Specs Avail Now?	Date Revision Available	RFP Issue Date
Hardware		2014	General Dynamics / Taunton, MA	C / FFP	CECOM LCMC, APG, MD	Mar 2014	Feb 2015	385	27.330	N		

Remarks:
Commercial Off The Shelf (COTS) purchases.

Due to a change in Army priorities, the program office did not purchase hardware in FY14 (Qty 385). \$5.395 million under the Fires Support C2 Family RHC SSN B28503A to the AFATDS, MOD OF IN-SVC SSN B28620A.

UNCLASSIFIED

Exhibit P-5, Cost Analysis: PB 2016 Army		Date: February 2015
Appropriation / Budget Activity / Budget Sub Activity: 2035A / 02 / 89	P-1 Line Item Number / Title: B28501 / Fire Support C2 Family	Item Number / Title [DODIC]: B28620 / MOD OF IN-SVC EQUIP, AFATDS

ID Code (A=Service Ready, B=Not Service Ready) :	MDAP/MAIS Code:
---	------------------------

Resource Summary	Prior Years	FY 2014	FY 2015	FY 2016 Base	FY 2016 OCO	FY 2016 Total
Procurement Quantity (Units in Each)	955	189	-	-	2	2
Gross/Weapon System Cost (\$ in Millions)	182.081	14.701	8.163	-	0.048	0.048
Less PY Advance Procurement (\$ in Millions)	-	-	-	-	-	-
Net Procurement (P1) (\$ in Millions)	182.081	14.701	8.163	-	0.048	0.048
Plus CY Advance Procurement (\$ in Millions)	-	-	-	-	-	-
Total Obligation Authority (\$ in Millions)	182.081	14.701	8.163	-	0.048	0.048

(The following Resource Summary rows are for informational purposes only. The corresponding budget requests are documented elsewhere.)

Initial Spares (\$ in Millions)	-	-	-	-	-	-
Gross/Weapon System Unit Cost (\$ in Thousands)	190.661	77.783	-	-	24.000	24.000

Note: Subtotals or Totals in this Exhibit P-5 may not be exact or add, due to rounding.

Cost Elements	Prior Years			FY 2014			FY 2015			FY 2016 Base			FY 2016 OCO			FY 2016 Total		
	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)
Flyaway Cost																		
Recurring Cost																		
Hardware - AFATDS & MC Workstations ^(†)	183.119	955	174.879	23.513	189	4.444	-	-	-	-	-	-	24.000	2	0.048	24.000	2	0.048
Project Management	-	-	1.082	-	-	2.175	-	-	1.131	-	-	-	-	-	-	-	-	-
Engineering Support	-	-	1.135	-	-	2.341	-	-	1.876	-	-	-	-	-	-	-	-	-
Field Integration Team (FIT)	-	-	1.038	-	-	2.250	-	-	2.045	-	-	-	-	-	-	-	-	-
Fielding	-	-	2.831	-	-	2.497	-	-	1.425	-	-	-	-	-	-	-	-	-
New Equipment Training (NET)	-	-	1.116	-	-	0.994	-	-	1.686	-	-	-	-	-	-	-	-	-
<i>Subtotal: Recurring Cost</i>	-	-	182.081	-	-	14.701	-	-	8.163	-	-	-	-	-	0.048	-	-	0.048
<i>Subtotal: Flyaway Cost</i>	-	-	182.081	-	-	14.701	-	-	8.163	-	-	-	-	-	0.048	-	-	0.048
Gross/Weapon System Cost	190.661	955	182.081	77.783	189	14.701	-	-	8.163	-	-	-	24.000	2	0.048	24.000	2	0.048

Secondary Distribution		FY 2014	FY 2015	FY 2016 Base	FY 2016 OCO	FY 2016 Total
Army	Quantity	113	-	-	2	2
	Total Obligation Authority	7.620	5.610	-	0.048	0.048
ANG	Quantity	76	-	-	-	-
	Total Obligation Authority	7.081	2.553	-	-	-

UNCLASSIFIED

Exhibit P-5, Cost Analysis: PB 2016 Army		Date: February 2015
Appropriation / Budget Activity / Budget Sub Activity: 2035A / 02 / 89	P-1 Line Item Number / Title: B28501 / Fire Support C2 Family	Item Number / Title [DODIC]: B28620 / MOD OF IN-SVC EQUIP, AFATDS

ID Code (A=Service Ready, B=Not Service Ready) :	MDAP/MAIS Code:
---	------------------------

Secondary Distribution		FY 2014	FY 2015	FY 2016 Base	FY 2016 OCO	FY 2016 Total
Total:	Quantity	189	-	-	2	2
Secondary Distribution	Total Obligation Authority	14.701	8.163	-	0.048	0.048

(t) indicates the presence of a P-5a

UNCLASSIFIED

Exhibit P-5a, Procurement History and Planning: PB 2016 Army							Date: February 2015					
Appropriation / Budget Activity / Budget Sub Activity: 2035A / 02 / 89			P-1 Line Item Number / Title: B28501 / Fire Support C2 Family				Item Number / Title [DODIC]: B28620 / MOD OF IN-SVC EQUIP, AFATDS					
Cost Elements	O C O	FY	Contractor and Location	Method/Type or Funding Vehicle	Location of PCO	Award Date	Date of First Delivery	Qty (Each)	Unit Cost (\$ K)	Specs Avail Now?	Date Revision Available	RFP Issue Date
Hardware - AFATDS & MC Workstations		2014	General Dynamics / Tauton, MA	C / FFP	CECOM, APG, MD	Mar 2014	Oct 2014	189	23.513	N		
Hardware - AFATDS & MC Workstations	✓	2016	General Dynamics / Tauton, MA	C / FFP	CECOM, APG, MD	Feb 2016	Jul 2016	2	24.000	N		

Remarks:
Items are Commercial Off The Shelf (COTS).

UNCLASSIFIED

Exhibit P-5, Cost Analysis: PB 2016 Army		Date: February 2015
Appropriation / Budget Activity / Budget Sub Activity: 2035A / 02 / 89	P-1 Line Item Number / Title: B28501 / Fire Support C2 Family	Item Number / Title [DODIC]: B78400 / Light Weight Technical Fire Direction Sys (LWTFDS)

ID Code (A=Service Ready, B=Not Service Ready) :				MDAP/MAIS Code:			
Resource Summary		Prior Years	FY 2014	FY 2015	FY 2016 Base	FY 2016 OCO	FY 2016 Total
Procurement Quantity <i>(Units in Each)</i>		-	-	-	-	-	-
Gross/Weapon System Cost <i>(\$ in Millions)</i>		332.505	1.567	-	-	-	-
Less PY Advance Procurement <i>(\$ in Millions)</i>		-	-	-	-	-	-
Net Procurement (P1) <i>(\$ in Millions)</i>		332.505	1.567	-	-	-	-
Plus CY Advance Procurement <i>(\$ in Millions)</i>		-	-	-	-	-	-
Total Obligation Authority <i>(\$ in Millions)</i>		332.505	1.567	-	-	-	-
<i>(The following Resource Summary rows are for informational purposes only. The corresponding budget requests are documented elsewhere.)</i>							
Initial Spares <i>(\$ in Millions)</i>		-	-	-	-	-	-
Gross/Weapon System Unit Cost <i>(\$ in Thousands)</i>		-	-	-	-	-	-

Note: Subtotals or Totals in this Exhibit P-5 may not be exact or add, due to rounding.

Cost Elements	Prior Years			FY 2014			FY 2015			FY 2016 Base			FY 2016 OCO			FY 2016 Total		
	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)
Flyaway Cost																		
Recurring Cost																		
Hardware	15.469	2,848	44.057	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Ancillary Items	-	-	8.028	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Fielding	-	-	93.200	-	-	0.986	-	-	-	-	-	-	-	-	-	-	-	-
New Equipment Training	-	-	82.017	-	-	0.480	-	-	-	-	-	-	-	-	-	-	-	-
Engineering Support	-	-	72.320	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Program Management	-	-	32.884	-	-	0.101	-	-	-	-	-	-	-	-	-	-	-	-
<i>Subtotal: Recurring Cost</i>	-	-	332.505	-	-	1.567	-	-	-	-	-	-	-	-	-	-	-	-
<i>Subtotal: Flyaway Cost</i>	-	-	332.505	-	-	1.567	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Cost	-	-	332.505	-	-	1.567	-	-	-	-	-	-	-	-	-	-	-	-

Secondary Distribution		FY 2014	FY 2015	FY 2016 Base	FY 2016 OCO	FY 2016 Total
Army	Quantity	-	-	-	-	-
	Total Obligation Authority	0.940	-	-	-	-
ANG	Quantity	-	-	-	-	-
	Total Obligation Authority	0.627	-	-	-	-
Total:	Quantity	-	-	-	-	-

UNCLASSIFIED

Exhibit P-5, Cost Analysis: PB 2016 Army		Date: February 2015
Appropriation / Budget Activity / Budget Sub Activity: 2035A / 02 / 89	P-1 Line Item Number / Title: B28501 / Fire Support C2 Family	Item Number / Title [DODIC]: B78400 / Light Weight Technical Fire Direction Sys (LWTFDS)

ID Code (A=Service Ready, B=Not Service Ready) :	MDAP/MAIS Code:
---	------------------------

Secondary Distribution		FY 2014	FY 2015	FY 2016 Base	FY 2016 OCO	FY 2016 Total
Secondary Distribution	Total Obligation Authority	1.567	-	-	-	-

UNCLASSIFIED

Exhibit P-5, Cost Analysis: PB 2016 Army		Date: February 2015
Appropriation / Budget Activity / Budget Sub Activity: 2035A / 02 / 89	P-1 Line Item Number / Title: B28501 / Fire Support C2 Family	Item Number / Title [DODIC]: BZ9851 / POCKET FORWARD ENTRY DEVICE (PFED)

ID Code (A=Service Ready, B=Not Service Ready) :	MDAP/MAIS Code:
---	------------------------

Resource Summary	Prior Years	FY 2014	FY 2015	FY 2016 Base	FY 2016 OCO	FY 2016 Total
Procurement Quantity (Units in Each)	-	386	-	-	-	-
Gross/Weapon System Cost (\$ in Millions)	299.466	9.045	2.289	1.190	-	1.190
Less PY Advance Procurement (\$ in Millions)	-	-	-	-	-	-
Net Procurement (P1) (\$ in Millions)	299.466	9.045	2.289	1.190	-	1.190
Plus CY Advance Procurement (\$ in Millions)	-	-	-	-	-	-
Total Obligation Authority (\$ in Millions)	299.466	9.045	2.289	1.190	-	1.190

(The following Resource Summary rows are for informational purposes only. The corresponding budget requests are documented elsewhere.)

Initial Spares (\$ in Millions)	-	-	-	-	-	-
Gross/Weapon System Unit Cost (\$ in Thousands)	-	23.433	-	-	-	-

Note: Subtotals or Totals in this Exhibit P-5 may not be exact or add, due to rounding.

Cost Elements	Prior Years			FY 2014			FY 2015			FY 2016 Base			FY 2016 OCO			FY 2016 Total		
	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)
Flyaway Cost																		
Recurring Cost																		
Hardware	14.630	2,761	40.394	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Hardware (Ancillary Items)	-	-	3.700	-	-	-	-	0.266	-	-	0.530	-	-	-	-	-	-	0.530
Hardware (Mobile/ Handheld Computing Env) ^(f)	-	-	-	12.415	386	4.792	-	-	-	-	-	-	-	-	-	-	-	-
Software Modification	-	-	36.000	-	-	0.637	-	-	0.194	-	-	-	-	-	-	-	-	-
Testing	-	-	26.500	-	-	0.500	-	-	-	-	-	-	-	-	-	-	-	-
Project Management Administration	-	-	33.895	-	-	1.308	-	-	0.889	-	-	0.150	-	-	-	-	-	0.150
Logistics/Engineering Support	-	-	46.837	-	-	0.569	-	-	0.285	-	-	0.210	-	-	-	-	-	0.210
Fielding	-	-	54.605	-	-	0.404	-	-	0.200	-	-	0.150	-	-	-	-	-	0.150
NETT	-	-	57.536	-	-	0.835	-	-	0.455	-	-	0.150	-	-	-	-	-	0.150
<i>Subtotal: Recurring Cost</i>	-	-	299.466	-	-	9.045	-	-	2.289	-	-	1.190	-	-	-	-	-	1.190
<i>Subtotal: Flyaway Cost</i>	-	-	299.466	-	-	9.045	-	-	2.289	-	-	1.190	-	-	-	-	-	1.190
Gross/Weapon System Cost	-	-	299.466	23.433	386	9.045	-	-	2.289	-	-	1.190	-	-	-	-	-	1.190

UNCLASSIFIED

Exhibit P-5, Cost Analysis: PB 2016 Army		Date: February 2015
Appropriation / Budget Activity / Budget Sub Activity: 2035A / 02 / 89	P-1 Line Item Number / Title: B28501 / Fire Support C2 Family	Item Number / Title [DODIC]: BZ9851 / POCKET FORWARD ENTRY DEVICE (PFED)

ID Code (A=Service Ready, B=Not Service Ready) :		MDAP/MAIS Code:				
Secondary Distribution		FY 2014	FY 2015	FY 2016 Base	FY 2016 OCO	FY 2016 Total
Army	Quantity	232	-	-	-	-
	Total Obligation Authority	5.054	2.289	1.190	-	1.190
ANG	Quantity	154	-	-	-	-
	Total Obligation Authority	3.991	-	-	-	-
Total: Secondary Distribution	Quantity	386	-	-	-	-
	Total Obligation Authority	9.045	2.289	1.190	-	1.190

(†) indicates the presence of a P-5a

UNCLASSIFIED

Exhibit P-5a, Procurement History and Planning: PB 2016 Army							Date: February 2015					
Appropriation / Budget Activity / Budget Sub Activity: 2035A / 02 / 89			P-1 Line Item Number / Title: B28501 / Fire Support C2 Family				Item Number / Title [DODIC]: BZ9851 / POCKET FORWARD ENTRY DEVICE (PFED)					
Cost Elements	O C O	FY	Contractor and Location	Method/Type or Funding Vehicle	Location of PCO	Award Date	Date of First Delivery	Qty (Each)	Unit Cost (\$ K)	Specs Avail Now?	Date Revision Available	RFP Issue Date
Hardware (Mobile/Handheld Computing Env)		2014	General Dynamics / Taunton, MA	C / FFP	CECOM LCMC, APG, MD	Apr 2014	Mar 2015	386	12.415			

Remarks:
Commercial Off The Shelf (COTS) purchases.

Due to a change in Army priorities, the program office did not purchase hardware in FY14. \$5.334 million under the Fires Support C2 Family PFED SSN BZ9851A to the AFATDS, MOD OF IN-SVC SSN B28620A.

UNCLASSIFIED

Exhibit P-40, Budget Line Item Justification: PB 2016 Army **Date:** February 2015

Appropriation / Budget Activity / Budget Sub Activity: 2035A: Other Procurement, Army / BA 02: Communications and Electronics Equipment / BSA 89: Elect Equip - Tactical C2 Systems	P-1 Line Item Number / Title: W34600 / Battle Command Sustainment Support System
--	--

ID Code (A=Service Ready, B=Not Service Ready) :	Program Elements for Code B Items:	Other Related Program Elements: 0216300A
---	---	---

Resource Summary	Prior Years	FY 2014	FY 2015	FY 2016 Base	FY 2016 OCO	FY 2016 Total	FY 2017	FY 2018	FY 2019	FY 2020	To Complete	Total
Procurement Quantity <i>(Units in Each)</i>	3,217	-	-	-	-	-	-	-	-	-	-	3,217
Gross/Weapon System Cost <i>(\$ in Millions)</i>	428.434	3.000	-	-	-	-	-	-	-	-	-	431.434
Less PY Advance Procurement <i>(\$ in Millions)</i>	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P1) <i>(\$ in Millions)</i>	428.434	3.000	-	-	-	-	-	-	-	-	-	431.434
Plus CY Advance Procurement <i>(\$ in Millions)</i>	-	-	-	-	-	-	-	-	-	-	-	-
Total Obligation Authority <i>(\$ in Millions)</i>	428.434	3.000	-	-	-	-	-	-	-	-	-	431.434

(The following Resource Summary rows are for informational purposes only. The corresponding budget requests are documented elsewhere.)

Initial Spares <i>(\$ in Millions)</i>	-	-	-	-	-	-	-	-	-	-	-	-
Flyaway Unit Cost <i>(\$ in Thousands)</i>	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Unit Cost <i>(\$ in Thousands)</i>	133.178	-	-	-	-	-	-	-	-	-	-	134.111

Description:

The Battle Command Sustainment Support System (BCS3) is the logistics Command and Control solution for U.S. land forces. BCS3 provides commanders the capability to execute end-to-end distribution and deployment management and brings better situational awareness, resulting in better decision-making capability to warfighters. It enables warfighters and commanders to target, access, scale and tailor critical logistics information in near-real time. BCS3 provides more effective means to gather and integrate asset and in-transit information to manage distribution and deployment missions. BCS3 combines distribution management to include commodity and convoy tracking, and deployment management into a logistics Common Operating Picture (COP) for one mission-focused visual display. BCS3 has been adopted and integrated into Joint and strategic logistics C2 processes. BCS3 is the only near-term end-to-end logistics COP solution for the Joint commander. BCS3 will maintain its core capabilities and continue to advance in development while integrating into the Joint command and control architecture. This continued development will enable decision superiority via advanced collaborative information sharing achieved through interoperability. BCS3 has immediate, high pay-off benefit to warfighters. BCS3 is a force multiplier, a precision tool for logistics planning and execution that provides warfighters with the necessary tools to succeed.

Secondary Distribution	FY 2014	FY 2015	FY 2016 Base	FY 2016 OCO	FY 2016 Total	FY 2017	FY 2018	FY 2019	FY 2020
Army									
Quantity	-	-	-	-	-	-	-	-	-
Total Obligation Authority	3.000	-	-	-	-	-	-	-	-
Total:									
Secondary Distribution	3.000	-	-	-	-	-	-	-	-

Justification:

Program does not have a FY2016 Base request.

UNCLASSIFIED

Exhibit P-40, Budget Line Item Justification: PB 2016 Army		Date: February 2015
Appropriation / Budget Activity / Budget Sub Activity: 2035A: Other Procurement, Army / BA 02: Communications and Electronics Equipment / BSA 89: Elect Equip - Tactical C2 Systems		P-1 Line Item Number / Title: W34600 / Battle Command Sustainment Support System
ID Code (A=Service Ready, B=Not Service Ready) :	Program Elements for Code B Items:	Other Related Program Elements: 0216300A

UNCLASSIFIED

Exhibit P-40, Budget Line Item Justification: PB 2016 Army **Date:** February 2015

Appropriation / Budget Activity / Budget Sub Activity: 2035A: Other Procurement, Army / BA 02: Communications and Electronics Equipment / BSA 89: Elect Equip - Tactical C2 Systems	P-1 Line Item Number / Title: AD5050 / FAAD C2
--	--

ID Code (A=Service Ready, B=Not Service Ready) :	Program Elements for Code B Items:	Other Related Program Elements: 0604741A
---	---	---

Resource Summary	Prior Years	FY 2014	FY 2015	FY 2016 Base	FY 2016 OCO	FY 2016 Total	FY 2017	FY 2018	FY 2019	FY 2020	To Complete	Total
Procurement Quantity <i>(Units in Each)</i>	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Cost <i>(\$ in Millions)</i>	765.608	4.607	-	-	-	-	-	-	-	-	-	770.215
Less PY Advance Procurement <i>(\$ in Millions)</i>	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P1) <i>(\$ in Millions)</i>	765.608	4.607	-	-	-	-	-	-	-	-	-	770.215
Plus CY Advance Procurement <i>(\$ in Millions)</i>	-	-	-	-	-	-	-	-	-	-	-	-
Total Obligation Authority <i>(\$ in Millions)</i>	765.608	4.607	-	-	-	-	-	-	-	-	-	770.215

(The following Resource Summary rows are for informational purposes only. The corresponding budget requests are documented elsewhere.)

Initial Spares <i>(\$ in Millions)</i>	-	-	-	-	-	-	-	-	-	-	-	-
Flyaway Unit Cost <i>(\$ in Thousands)</i>	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Unit Cost <i>(\$ in Thousands)</i>	-	-	-	-	-	-	-	-	-	-	-	-

Description:

The Forward Area Air Defense Command and Control (FAAD C2) system collects, digitally processes, and disseminates real-time target cuing and tracking information; the common tactical 3-dimensional air picture; command, control, and intelligence information to all Air and Missile Defense (AMD) weapon systems (Avenger and Man-Portable Air Defense System (MANPADS), joint and combined arms systems. The FAAD C2 system provides alerting data to air defense gunners, airspace battle management, and up-linking of mission operations, thereby enhancing force protection against air and missile attack. Situational awareness and targeting data is provided on threat aircraft, cruise missiles, and unmanned aerial systems (UAS). The FAAD C2 system provides this mission capability by integrating dynamic FAAD C2 engagement operations software with the Multifunctional Information Distribution System (MIDS), Joint Tactical Terminal (JTT), Single Channel Ground and Airborne Radio System (SINCGARS), Enhanced Position Location Reporting System (EPLRS), Global Positioning System (GPS), Airborne Warning and Control Systems (AWACS), Sentinel Radar, and the Mission Command (MC) architecture. In addition, FAAD C2 provides interoperability with Joint C2 systems and horizontal integration with PATRIOT, and Terminal High-Altitude Area Defense (THAAD) by fusing sensor data to create a scalable and filterable Single Integrated Air Picture (SIAP) and common tactical picture. The system software is a key component of the Air Defense and Airspace Management (ADAM) Cell that is being fielded to Brigade Combat Teams (BCTs), Multi-Functional Support Brigades and Division Headquarters as part of the Army's modularity concept. System software is able to provide target data and engagement commands/status to AMD (Air and Missile Defense) Battalions. FAAD C2 is also a principal air defense system within the Homeland Defense Program. Soldiers from activated Army National Guard (ARNG) AMD battalions operate the FAAD C2 systems in the National Capital Region and other locations.

Secondary Distribution	FY 2014	FY 2015	FY 2016 Base	FY 2016 OCO	FY 2016 Total	FY 2017	FY 2018	FY 2019	FY 2020
Army	Quantity	-	-	-	-	-	-	-	-
	Total Obligation Authority	2.167	-	-	-	-	-	-	-
ANG	Quantity	-	-	-	-	-	-	-	-
	Total Obligation Authority	2.440	-	-	-	-	-	-	-
Total:	Quantity	-	-	-	-	-	-	-	-

UNCLASSIFIED

Exhibit P-40, Budget Line Item Justification: PB 2016 Army **Date:** February 2015

Appropriation / Budget Activity / Budget Sub Activity: 2035A: Other Procurement, Army / BA 02: Communications and Electronics Equipment / BSA 89: Elect Equip - Tactical C2 Systems	P-1 Line Item Number / Title: AD5050 / FAAD C2
--	--

ID Code (A=Service Ready, B=Not Service Ready) :	Program Elements for Code B Items:	Other Related Program Elements: 0604741A
---	---	---

Secondary Distribution		FY 2014	FY 2015	FY 2016 Base	FY 2016 OCO	FY 2016 Total	FY 2017	FY 2018	FY 2019	FY 2020
Secondary Distribution	Total Obligation Authority	4.607	-	-	-	-	-	-	-	-

UNCLASSIFIED

Exhibit P-40, Budget Line Item Justification: PB 2016 Army **Date:** February 2015

Appropriation / Budget Activity / Budget Sub Activity: 2035A: Other Procurement, Army / BA 02: Communications and Electronics Equipment / BSA 89: Elect Equip - Tactical C2 Systems	P-1 Line Item Number / Title: AD5050 / FAAD C2
--	--

ID Code (A=Service Ready, B=Not Service Ready) :	Program Elements for Code B Items:	Other Related Program Elements: 0604741A
---	---	---

Exhibits Schedule			Prior Years	FY 2014	FY 2015	FY 2016 Base	FY 2016 OCO	FY 2016 Total
Title*	Exhibits	ID CD	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)
AD5050 / FAAD C2	P-5		- / 765.608	- / 4.607	- / -	- / -	- / -	- / -
Total Gross/Weapon System Cost			- / 765.608	- / 4.607	- / -	- / -	- / -	- / -

*Title represents 1) the Number / Title for Items; 2) the Number / Title [DODIC] for Ammunition; and/or 3) the Number / Title (Modification Type) for Modifications.

Note: Totals in this Exhibit P-40 set may not be exact or add due to rounding.

Justification:
 No FY16 funding.

In accordance with Section 1815 of the FY 2008 National Defense Authorization Act (P.L. 110-181), this item is necessary for use by the active and reserve components of the Armed Forces for homeland defense missions, domestic emergency responses, and providing military support to civil authorities.

UNCLASSIFIED

Exhibit P-5, Cost Analysis: PB 2016 Army		Date: February 2015
Appropriation / Budget Activity / Budget Sub Activity: 2035A / 02 / 89	P-1 Line Item Number / Title: AD5050 / FAAD C2	Item Number / Title [DODIC]: AD5050 / FAAD C2

ID Code (A=Service Ready, B=Not Service Ready) :	MDAP/MAIS Code:
---	------------------------

Resource Summary	Prior Years	FY 2014	FY 2015	FY 2016 Base	FY 2016 OCO	FY 2016 Total
Procurement Quantity (Units in Each)	-	-	-	-	-	-
Gross/Weapon System Cost (\$ in Millions)	765.608	4.607	-	-	-	-
Less PY Advance Procurement (\$ in Millions)	-	-	-	-	-	-
Net Procurement (P1) (\$ in Millions)	765.608	4.607	-	-	-	-
Plus CY Advance Procurement (\$ in Millions)	-	-	-	-	-	-
Total Obligation Authority (\$ in Millions)	765.608	4.607	-	-	-	-

(The following Resource Summary rows are for informational purposes only. The corresponding budget requests are documented elsewhere.)

Initial Spares (\$ in Millions)	-	-	-	-	-	-
Gross/Weapon System Unit Cost (\$ in Thousands)	-	-	-	-	-	-

Note: Subtotals or Totals in this Exhibit P-5 may not be exact or add, due to rounding.

Cost Elements	Prior Years			FY 2014			FY 2015			FY 2016 Base			FY 2016 OCO			FY 2016 Total		
	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)
Flyaway Cost																		
Recurring Cost																		
1. System Integration/ Hardware	-	-	609.061	-	-	2.668	-	-	-	-	-	-	-	-	-	-	-	-
2. Project Management Administration	-	-	49.696	-	-	0.479	-	-	-	-	-	-	-	-	-	-	-	-
4. Contractor Field Support	-	-	55.302	-	-	0.107	-	-	-	-	-	-	-	-	-	-	-	-
5. Software Support	-	-	51.549	-	-	1.353	-	-	-	-	-	-	-	-	-	-	-	-
<i>Subtotal: Recurring Cost</i>	-	-	<i>765.608</i>	-	-	<i>4.607</i>	-	-	-	-	-	-	-	-	-	-	-	-
<i>Subtotal: Flyaway Cost</i>	-	-	<i>765.608</i>	-	-	<i>4.607</i>	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Cost	-	-	765.608	-	-	4.607	-	-	-	-	-	-	-	-	-	-	-	-

Secondary Distribution		FY 2014	FY 2015	FY 2016 Base	FY 2016 OCO	FY 2016 Total
Army	Quantity	-	-	-	-	-
	Total Obligation Authority	2.167	-	-	-	-
ANG	Quantity	-	-	-	-	-
	Total Obligation Authority	2.440	-	-	-	-
Total: Secondary Distribution	Quantity	-	-	-	-	-
	Total Obligation Authority	4.607	-	-	-	-

UNCLASSIFIED

Exhibit P-40, Budget Line Item Justification: PB 2016 Army **Date:** February 2015

Appropriation / Budget Activity / Budget Sub Activity: 2035A: Other Procurement, Army / BA 02: Communications and Electronics Equipment / BSA 89: Elect Equip - Tactical C2 Systems	P-1 Line Item Number / Title: AD5070 / AIR & MSL Defense Planning & Control Sys
--	---

ID Code (A=Service Ready, B=Not Service Ready) :	Program Elements for Code B Items:	Other Related Program Elements: 0604741A
---	---	---

Resource Summary	Prior Years	FY 2014	FY 2015	FY 2016 Base	FY 2016 OCO	FY 2016 Total	FY 2017	FY 2018	FY 2019	FY 2020	To Complete	Total
Procurement Quantity (<i>Units in Each</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Cost (<i>\$ in Millions</i>)	754.949	13.090	27.374	28.176	-	28.176	32.443	32.690	33.032	13.366	Continuing	Continuing
Less PY Advance Procurement (<i>\$ in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P1) (<i>\$ in Millions</i>)	754.949	13.090	27.374	28.176	-	28.176	32.443	32.690	33.032	13.366	Continuing	Continuing
Plus CY Advance Procurement (<i>\$ in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Total Obligation Authority (<i>\$ in Millions</i>)	754.949	13.090	27.374	28.176	-	28.176	32.443	32.690	33.032	13.366	Continuing	Continuing

(The following Resource Summary rows are for informational purposes only. The corresponding budget requests are documented elsewhere.)

Initial Spares (<i>\$ in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Flyaway Unit Cost (<i>\$ in Thousands</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Unit Cost (<i>\$ in Thousands</i>)	-	-	-	4,696.000	-	4,696.000	-	-	-	-	Continuing	Continuing

Description:

The Air and Missile Defense Planning and Control System (AMDPCS) is an Army Objective Force System that provides integration of Air and Missile Defense (AMD) operations at all echelons. AMDPCS systems are deployed with Air Defense Artillery (ADA) brigades (Bdes), Army Air Missile Defense Commands (AAMDCs), and Air Defense and Airspace Management (ADAM) Cells at the Brigade Combat Teams (BCTs), Multi-Functional Support Brigades, Corps and Divisions. AMDPCS systems also provide air defense capabilities to Homeland Defense systems. The fielding of ADAM Cells is essential in fulfilling the Army's Campaign Plan requirement. ADAM Cells provide the Commander at BCTs, Bdes and Divisions with air defense situational awareness and airspace management capabilities. They also provide the interoperability link with Joint, multinational and coalition forces. AMDPCS components are vital in the transformation of ADA units. AMDPCS provides these organizations with shelters, automated data processing equipment, tactical communications, standard vehicles and tactical power, and the two major software systems used in air defense force operations/engagement operations: The Air and Missile Defense Workstation (AMDWS) and the Air Defense System Integrator (ADSI). The AMDWS is a staff planning and battlespace situational awareness tool that provides commanders at all echelons with a common tactical and operational air picture. The AMDWS is being fielded to all AMDPCS units, including the ADA Bdes, the AAMDCs and the ADAM Cells, as well as to the Maneuver Air and Missile Defense Battalions and Batteries. AMDWS provides the Mission Command (MC) capabilities imbedded within the Warfighter Mission area. AMDWS is the Net-centric interface to MC for all components of the AMD force. AMDPCS also provides the ADA Brigades, AAMDCs and ADAM Cells with the ADSI, which is a communications data link processor and an additional display system. AMDWS and ADSIs are vital components of the ADAM Cells that are deployed in Afghanistan. AMDWS is a critical component in the integration and fielding of the Counter-Rocket, Artillery and Mortar (C-RAM) capability to Operating Bases in Afghanistan.

Approved Acquisition Objective (AAO) for AMDPCS shelter systems is 225.

	Secondary Distribution	FY 2014	FY 2015	FY 2016 Base	FY 2016 OCO	FY 2016 Total	FY 2017	FY 2018	FY 2019	FY 2020
Army	Quantity	-	-	-	-	-	-	-	-	-
	Total Obligation Authority	4.956	6.057	6.074	-	6.074	4.984	6.794	-	2.720
ANG	Quantity	-	-	-	-	-	-	-	-	-
	Total Obligation Authority	8.134	15.988	13.261	-	13.261	27.459	25.896	33.032	10.646

UNCLASSIFIED

Exhibit P-40, Budget Line Item Justification: PB 2016 Army **Date:** February 2015

Appropriation / Budget Activity / Budget Sub Activity: 2035A: Other Procurement, Army / BA 02: Communications and Electronics Equipment / BSA 89: Elect Equip - Tactical C2 Systems	P-1 Line Item Number / Title: AD5070 / AIR & MSL Defense Planning & Control Sys
--	---

ID Code (A=Service Ready, B=Not Service Ready) :	Program Elements for Code B Items:	Other Related Program Elements: 0604741A
---	---	---

	Secondary Distribution	FY 2014	FY 2015	FY 2016 Base	FY 2016 OCO	FY 2016 Total	FY 2017	FY 2018	FY 2019	FY 2020
AR	Quantity	-	-	-	-	-	-	-	-	-
	Total Obligation Authority	-	5.329	8.841	-	8.841	-	-	-	-
Total: Secondary Distribution	Quantity	-	-	-	-	-	-	-	-	-
	Total Obligation Authority	13.090	27.374	28.176	-	28.176	32.443	32.690	33.032	13.366

UNCLASSIFIED

Exhibit P-40, Budget Line Item Justification: PB 2016 Army **Date:** February 2015

Appropriation / Budget Activity / Budget Sub Activity:
 2035A: Other Procurement, Army / BA 02: Communications and Electronics
 Equipment / BSA 89: Elect Equip - Tactical C2 Systems

P-1 Line Item Number / Title:
 AD5070 / AIR & MSL Defense Planning & Control Sys

ID Code (A=Service Ready, B=Not Service Ready) : **Program Elements for Code B Items:** **Other Related Program Elements:** 0604741A

Exhibits Schedule			Prior Years	FY 2014	FY 2015	FY 2016 Base	FY 2016 OCO	FY 2016 Total
Title*	Exhibits	ID CD	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)
AD5070 / AIR & MSL Defense Planning & Control Sys	P-5, P-5a		- / 754.949	- / 13.090	- / 27.374	- / 28.176	- / -	- / 28.176
Total Gross/Weapon System Cost			- / 754.949	- / 13.090	- / 27.374	- / 28.176	- / -	- / 28.176

*Title represents 1) the Number / Title for Items; 2) the Number / Title [DODIC] for Ammunition; and/or 3) the Number / Title (Modification Type) for Modifications.

Note: Totals in this Exhibit P-40 set may not be exact or add due to rounding.

Justification:
 FY 2016 Base procurement dollars in the amount of \$28.176 million procures 5 ADAM Cells for AMD Combat Aviation Commands, AMD Theater Aviation Brigades, and Maneuver Enhancement Brigades which will provide a 3-dimensional air picture for situational awareness, the capability to coordinate airspace command and control, and warning of rocket artillery and mortar attacks. FY 2016 also procures 1 AMDPCS for one Terminal High Altitude Air Defense (THAAD) Battery.

In accordance with Section 1815 of the FY 2008 National Defense Authorization Act (P.L. 110-181), this item is necessary for use by the active and reserve components of the Armed Forces for homeland defense missions, domestic emergency responses, and providing the military support to civil authorities.

UNCLASSIFIED

Exhibit P-5, Cost Analysis: PB 2016 Army		Date: February 2015
Appropriation / Budget Activity / Budget Sub Activity: 2035A / 02 / 89	P-1 Line Item Number / Title: AD5070 / AIR & MSL Defense Planning & Control Sys	Item Number / Title [DODIC]: AD5070 / AIR & MSL Defense Planning & Control Sys

ID Code (A=Service Ready, B=Not Service Ready) :	MDAP/MAIS Code:
---	------------------------

Resource Summary	Prior Years	FY 2014	FY 2015	FY 2016 Base	FY 2016 OCO	FY 2016 Total
Procurement Quantity (Units in Each)	-	-	-	-	-	-
Gross/Weapon System Cost (\$ in Millions)	754.949	13.090	27.374	28.176	-	28.176
Less PY Advance Procurement (\$ in Millions)	-	-	-	-	-	-
Net Procurement (P1) (\$ in Millions)	754.949	13.090	27.374	28.176	-	28.176
Plus CY Advance Procurement (\$ in Millions)	-	-	-	-	-	-
Total Obligation Authority (\$ in Millions)	754.949	13.090	27.374	28.176	-	28.176

(The following Resource Summary rows are for informational purposes only. The corresponding budget requests are documented elsewhere.)

Initial Spares (\$ in Millions)	-	-	-	-	-	-
Gross/Weapon System Unit Cost (\$ in Thousands)	-	-	-	4,696.000	-	4,696.000

Note: Subtotals or Totals in this Exhibit P-5 may not be exact or add, due to rounding.

Cost Elements	Prior Years			FY 2014			FY 2015			FY 2016 Base			FY 2016 OCO			FY 2016 Total		
	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)
Flyaway Cost																		
Recurring Cost																		
1. System Integration/ Hardware ^(†)	2,748.160	190	522.150	2,876.000	3	8.628	3,626.000	5	18.130	3,032.170	6	18.193	-	-	-	3,032.170	6	18.193
2. Project Management Administration	-	-	41.908	-	-	2.191	-	-	2.997	-	-	3.010	-	-	-	-	-	3.010
3. Fielding (TPF,NET)	-	-	86.346	-	-	0.543	-	-	1.458	-	-	1.714	-	-	-	-	-	1.714
4. Contractor Field Support	-	-	76.357	-	-	0.704	-	-	2.370	-	-	2.828	-	-	-	-	-	2.828
5. Software Maintenance Support	-	-	28.188	-	-	1.024	-	-	2.419	-	-	2.431	-	-	-	-	-	2.431
Subtotal: Recurring Cost	-	-	754.949	-	-	13.090	-	-	27.374	-	-	28.176	-	-	-	-	-	28.176
Subtotal: Flyaway Cost	-	-	754.949	-	-	13.090	-	-	27.374	-	-	28.176	-	-	-	-	-	28.176
Gross/Weapon System Cost	-	-	754.949	-	-	13.090	-	-	27.374	4,696.000	-	28.176	-	-	-	4,696.000	-	28.176

Secondary Distribution		FY 2014	FY 2015	FY 2016 Base	FY 2016 OCO	FY 2016 Total
Army	Quantity	-	-	-	-	-
	Total Obligation Authority	4.956	6.057	6.074	-	6.074
ANG	Quantity	-	-	-	-	-
	Total Obligation Authority	8.134	15.988	13.261	-	13.261

UNCLASSIFIED

Exhibit P-5, Cost Analysis: PB 2016 Army		Date: February 2015
Appropriation / Budget Activity / Budget Sub Activity: 2035A / 02 / 89	P-1 Line Item Number / Title: AD5070 / AIR & MSL Defense Planning & Control Sys	Item Number / Title [DODIC]: AD5070 / AIR & MSL Defense Planning & Control Sys

ID Code (A=Service Ready, B=Not Service Ready) :	MDAP/MAIS Code:
---	------------------------

Secondary Distribution		FY 2014	FY 2015	FY 2016 Base	FY 2016 OCO	FY 2016 Total
AR	Quantity	-	-	-	-	-
	Total Obligation Authority	-	5.329	8.841	-	8.841
Total: Secondary Distribution	Quantity	-	-	-	-	-
	Total Obligation Authority	13.090	27.374	28.176	-	28.176

(t) indicates the presence of a P-5a

UNCLASSIFIED

Exhibit P-5a, Procurement History and Planning: PB 2016 Army							Date: February 2015					
Appropriation / Budget Activity / Budget Sub Activity: 2035A / 02 / 89			P-1 Line Item Number / Title: AD5070 / AIR & MSL Defense Planning & Control Sys				Item Number / Title [DODIC]: AD5070 / AIR & MSL Defense Planning & Control Sys					
Cost Elements	O C O	FY	Contractor and Location	Method/Type or Funding Vehicle	Location of PCO	Award Date	Date of First Delivery	Qty (Each)	Unit Cost (\$ K)	Specs Avail Now?	Date Revision Available	RFP Issue Date
1. System Integration/Hardware		2014	Tobyhanna Army Depot / Tobyhanna, PA	MIPR	Redstone Arsenal, AL	Oct 2013	May 2014	3	2,876.000	N		
1. System Integration/Hardware		2015	Tobyhanna Army Depot / Tobyhanna, PA	MIPR	Redstone Arsenal, AL	Oct 2014	May 2015	5	3,626.000	N		
1. System Integration/Hardware		2016	Tobyhanna Army Depot / Tobyhanna, PA	MIPR	Redstone Arsenal, AL	Oct 2015	May 2016	6	3,032.170	N		

Remarks:
AMDPCS is a COTS program. COTS and Government Furnished Equipment (GFE) are integrated by the Army Depot.

UNCLASSIFIED

Exhibit P-40, Budget Line Item Justification: PB 2016 Army **Date:** February 2015

Appropriation / Budget Activity / Budget Sub Activity: 2035A: Other Procurement, Army / BA 02: Communications and Electronics Equipment / BSA 89: Elect Equip - Tactical C2 Systems	P-1 Line Item Number / Title: BZ5075 / IAMD Battle Command System
--	---

ID Code (A=Service Ready, B=Not Service Ready) :	Program Elements for Code B Items:	Other Related Program Elements: 0603327A, 0605457A
---	---	---

Resource Summary	Prior Years	FY 2014	FY 2015	FY 2016 Base	FY 2016 OCO	FY 2016 Total	FY 2017	FY 2018	FY 2019	FY 2020	To Complete	Total
Procurement Quantity <i>(Units in Each)</i>	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Cost <i>(\$ in Millions)</i>	-	-	-	20.917	-	20.917	204.513	296.361	375.763	443.637	Continuing	Continuing
Less PY Advance Procurement <i>(\$ in Millions)</i>	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P1) <i>(\$ in Millions)</i>	-	-	-	20.917	-	20.917	204.513	296.361	375.763	443.637	Continuing	Continuing
Plus CY Advance Procurement <i>(\$ in Millions)</i>	-	-	-	-	-	-	-	-	-	-	-	-
Total Obligation Authority <i>(\$ in Millions)</i>	-	-	-	20.917	-	20.917	204.513	296.361	375.763	443.637	Continuing	Continuing

(The following Resource Summary rows are for informational purposes only. The corresponding budget requests are documented elsewhere.)

Initial Spares <i>(\$ in Millions)</i>	-	-	-	-	-	-	-	-	-	-	-	-
Flyaway Unit Cost <i>(\$ in Thousands)</i>	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Unit Cost <i>(\$ in Thousands)</i>	-	-	-	-	-	-	-	-	-	-	-	-

Description:

The Army Integrated Air and Missile Defense (AIAMD) Program is a direct response to the U.S. Army AMD Concept and Operational and Organizational (O&O) Plan for the Future Force, the Army Integrated Air and Missile Defense System of Systems (SoS) Capabilities Development Document (CDD) and the new Air and Missile Defense Task Force Concept of Operations (CONOPS). The AIAMD Program is uniquely structured to enable the development of an overarching system of systems (SoS) capability with all participating Air Defense Artillery (ADA) components functioning interdependently to provide total operational capabilities not achievable by the individual element systems. The AIAMD program achieves this objective by establishing the AIAMD architecture and developing (1) the IAMD Battle Command Systems (IBCS) Engagement Operations Center (EOC) that provides the common Mission Command capability, (2) the Integrated Fire Control Network (IFCN) capability for fire control connectivity and distributed operations, and (3) the common Plug and Fight (P&F) Kits that network enable multiple sensor components, weapon components, and the IBCS EOC.

The AIAMD Program will provide advanced capabilities to the Army and the soldier by allowing transformation to a network-centric system-of-systems capability (also referred to as "Plug and Fight") that integrates Army Air and Missile Defense (AMD) sensors and weapons with the IBCS EOC. The AIAMD SoS architecture will enable extended range and non-line-of-sight engagements, to include joint kill chain engagements across the full spectrum of aerial threats, providing fire control quality data to the most appropriate weapon to complete the mission successfully. Further, it will mitigate the coverage gaps and the single points of failure that have plagued AMD defense design in the past. The AIAMD program will provide the user with the ability to train on a single C2 system that will result in overall training savings. The AIAMD program will also provide the Army with the ability to procure components that will build to established interfaces allowing them to "connect" to the IFC network alleviating the cost of procuring total system capabilities in the future.

The FY18 Initial Operational Capability is delivered through the fielding of the IBCS EOC-based AIAMD architecture including the IBCS EOC, Sentinel and Patriot components connected via an IFCN, working in an integrated manner. Additional capabilities include the incorporation of IBCS functionality into Air Defense Airspace Management (ADAM) Cells, ADA Brigade Headquarters and Army Air and Missile Defense Command (AAMDC) Headquarters. Future additional capabilities include incorporation of Terminal High Altitude Air Defense (THAAD) batteries and composite Indirect Fire Protection Capability (IFPC)/Avenger battalions into the AIAMD architecture.

AIAMD is a designated Major Defense Acquisition Program (MDAP).

This program is a new start in FY 2016.

FY16 funding goes to the Active Component. Army National Guard funding starts in FY2020.

UNCLASSIFIED

Exhibit P-40, Budget Line Item Justification: PB 2016 Army		Date: February 2015
Appropriation / Budget Activity / Budget Sub Activity: 2035A: Other Procurement, Army / BA 02: Communications and Electronics Equipment / BSA 89: Elect Equip - Tactical C2 Systems		P-1 Line Item Number / Title: BZ5075 / IAMD Battle Command System
ID Code (A=Service Ready, B=Not Service Ready) :	Program Elements for Code B Items:	Other Related Program Elements: 0603327A, 0605457A

Secondary Distribution		FY 2014	FY 2015	FY 2016 Base	FY 2016 OCO	FY 2016 Total	FY 2017	FY 2018	FY 2019	FY 2020
Army	Quantity	-	-	-	-	-	-	-	-	-
	Total Obligation Authority	-	-	20.917	-	20.917	204.513	296.361	375.763	356.000
ANG	Quantity	-	-	-	-	-	-	-	-	-
	Total Obligation Authority	-	-	-	-	-	-	-	-	87.637
Total: Secondary Distribution	Quantity	-	-	-	-	-	-	-	-	-
	Total Obligation Authority	-	-	20.917	-	20.917	204.513	296.361	375.763	443.637

UNCLASSIFIED

Exhibit P-40, Budget Line Item Justification: PB 2016 Army **Date:** February 2015

Appropriation / Budget Activity / Budget Sub Activity: 2035A: Other Procurement, Army / BA 02: Communications and Electronics Equipment / BSA 89: Elect Equip - Tactical C2 Systems	P-1 Line Item Number / Title: BZ5075 / IAMD Battle Command System
--	---

ID Code (A=Service Ready, B=Not Service Ready) :			Program Elements for Code B Items:			Other Related Program Elements: 0603327A, 0605457A		
Exhibits Schedule			Prior Years	FY 2014	FY 2015	FY 2016 Base	FY 2016 OCO	FY 2016 Total
Title*	Exhibits	ID CD	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)
BZ5075 / IAMD Battle Command System	P-5		- / -	- / -	- / -	- / 20.917	- / -	- / 20.917
Total Gross/Weapon System Cost			- / -	- / -	- / -	- / 20.917	- / -	- / 20.917

*Title represents 1) the Number / Title for Items; 2) the Number / Title [DODIC] for Ammunition; and/or 3) the Number / Title (Modification Type) for Modifications.

Note: Totals in this Exhibit P-40 set may not be exact or add due to rounding.

Justification:
 FY 2016 Base procurement dollars in the amount of \$12.920 million funds the initial hard tooling and labor associated with the IBCS production line set up to support low-rate initial production. Funding includes the cost of fabrication, assembly and installation of tools, inspection equipment and test equipment to support the manufacture of IBCS components. Funding includes the cost for the modification and rework of the required developmental tools for production purposes as well as duplicate sets of tools.

FY 2016 Base procurement dollars in the amount of \$7.997 million is required for Long Lead-time Items (LLI) IBCS components required to protect the production schedule and to maintain critical manufacturing skills for both the prime and sub-contractors. The Long Lead items consist of Tactical Mounted Trailers with a long lead time of 14 months and S-280 shelters with a long lead time of 15 months.

"In accordance with Section 1815 of the FY 2008 National Defense Authorization Act (P.L. 110-181), this item is necessary for use by the active and reserve components of the Armed Forces for homeland defense missions, domestic emergency responses, and providing military support to civil authorities."

UNCLASSIFIED

Exhibit P-5, Cost Analysis: PB 2016 Army		Date: February 2015
Appropriation / Budget Activity / Budget Sub Activity: 2035A / 02 / 89	P-1 Line Item Number / Title: BZ5075 / IAMD Battle Command System	Item Number / Title [DODIC]: BZ5075 / IAMD Battle Command System

ID Code (A=Service Ready, B=Not Service Ready) :	MDAP/MAIS Code:
---	------------------------

Resource Summary	Prior Years	FY 2014	FY 2015	FY 2016 Base	FY 2016 OCO	FY 2016 Total
Procurement Quantity (<i>Units in Each</i>)	-	-	-	-	-	-
Gross/Weapon System Cost (<i>\$ in Millions</i>)	-	-	-	20.917	-	20.917
Less PY Advance Procurement (<i>\$ in Millions</i>)	-	-	-	-	-	-
Net Procurement (P1) (<i>\$ in Millions</i>)	-	-	-	20.917	-	20.917
Plus CY Advance Procurement (<i>\$ in Millions</i>)	-	-	-	-	-	-
Total Obligation Authority (<i>\$ in Millions</i>)	-	-	-	20.917	-	20.917

(The following Resource Summary rows are for informational purposes only. The corresponding budget requests are documented elsewhere.)

Initial Spares (<i>\$ in Millions</i>)	-	-	-	-	-	-
Gross/Weapon System Unit Cost (<i>\$ in Thousands</i>)	-	-	-	-	-	-

Note: Subtotals or Totals in this Exhibit P-5 may not be exact or add, due to rounding.

Cost Elements	Prior Years			FY 2014			FY 2015			FY 2016 Base			FY 2016 OCO			FY 2016 Total		
	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)
Flyaway Cost																		
Non Recurring Cost																		
Long Lead Materials	-	-	-	-	-	-	-	-	-	-	-	12.920	-	-	-	-	-	12.920
Initial Production Facilities	-	-	-	-	-	-	-	-	-	-	-	7.997	-	-	-	-	-	7.997
<i>Subtotal: Non Recurring Cost</i>	-	-	-	-	-	-	-	-	-	-	-	20.917	-	-	-	-	-	20.917
<i>Subtotal: Flyaway Cost</i>	-	-	-	-	-	-	-	-	-	-	-	20.917	-	-	-	-	-	20.917
Gross/Weapon System Cost	-	-	-	-	-	-	-	-	-	-	-	20.917	-	-	-	-	-	20.917

Secondary Distribution	FY 2014	FY 2015	FY 2016 Base	FY 2016 OCO	FY 2016 Total
Army					
Quantity	-	-	-	-	-
Total Obligation Authority	-	-	20.917	-	20.917
Total: Secondary Distribution					
Quantity	-	-	-	-	-
Total Obligation Authority	-	-	20.917	-	20.917

UNCLASSIFIED

Exhibit P-40, Budget Line Item Justification: PB 2016 Army **Date:** February 2015

Appropriation / Budget Activity / Budget Sub Activity: 2035A: Other Procurement, Army / BA 02: Communications and Electronics Equipment / BSA 89: Elect Equip - Tactical C2 Systems	P-1 Line Item Number / Title: BD3955 / Life Cycle Software Support (LCSS)
--	---

ID Code (A=Service Ready, B=Not Service Ready) :			Program Elements for Code B Items:					Other Related Program Elements:				
Resource Summary	Prior Years	FY 2014	FY 2015	FY 2016 Base	FY 2016 OCO	FY 2016 Total	FY 2017	FY 2018	FY 2019	FY 2020	To Complete	Total
Procurement Quantity (Units in Each)	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Cost (\$ in Millions)	91.109	1.795	2.508	5.850	-	5.850	4.769	3.976	3.976	3.975	Continuing	Continuing
Less PY Advance Procurement (\$ in Millions)	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P1) (\$ in Millions)	91.109	1.795	2.508	5.850	-	5.850	4.769	3.976	3.976	3.975	Continuing	Continuing
Plus CY Advance Procurement (\$ in Millions)	-	-	-	-	-	-	-	-	-	-	-	-
Total Obligation Authority (\$ in Millions)	91.109	1.795	2.508	5.850	-	5.850	4.769	3.976	3.976	3.975	Continuing	Continuing
<i>(The following Resource Summary rows are for informational purposes only. The corresponding budget requests are documented elsewhere.)</i>												
Initial Spares (\$ in Millions)	-	-	-	-	-	-	-	-	-	-	-	-
Flyaway Unit Cost (\$ in Thousands)	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Unit Cost (\$ in Thousands)	-	-	-	-	-	-	-	-	-	-	-	-

Description:

Life Cycle Software Engineering (LCSE) support, by the Software Engineering Center (SEC), provides the essential equipment needed to maintain Communications-Electronics Life Cycle Management Command (C-E LCMC) managed fielded Battlefield Automated Systems (BAS) in a state of operational readiness. Approximately 100 BASs in Post Production Software Support (PPSS) directly depend on LCSE support to maintain a posture of mission critical readiness. LCSE system support and services are essential to maintain BASs in the state of operational readiness. Policy for Post Production Software Support (PPSS) requires that system managers provide initial host capabilities for new systems and that the Life Cycle Software Engineering Centers (LCSEC) provide upgrades and replacement of obsolete equipment. Significant portions of host and network equipment are no longer economically repairable and/or are reaching obsolescence. There is a requirement to respond to emergency requests from the field for Software Engineering support, in order to maintain operational readiness of deployed BASs. With host computers and peripherals having a life span of approximately five years and SEC performing its mission over a continuous period of time beyond five years, equipment must be replaced and/or upgraded regularly to deal with obsolescence and take advantage of the continual improvements in technology that are indigenous to high-technology based weapon systems and their software support environments. SEC must purchase these items to meet systems mission requirements.

Secondary Distribution		FY 2014	FY 2015	FY 2016 Base	FY 2016 OCO	FY 2016 Total	FY 2017	FY 2018	FY 2019	FY 2020
Army	Quantity	-	-	-	-	-	-	-	-	-
	Total Obligation Authority	1.795	2.508	5.850	-	5.850	4.769	3.976	3.976	3.975
Total: Secondary Distribution	Quantity	-	-	-	-	-	-	-	-	-
	Total Obligation Authority	1.795	2.508	5.850	-	5.850	4.769	3.976	3.976	3.975

Justification:

UNCLASSIFIED

Exhibit P-40, Budget Line Item Justification: PB 2016 Army		Date: February 2015
Appropriation / Budget Activity / Budget Sub Activity: 2035A: Other Procurement, Army / BA 02: Communications and Electronics Equipment / BSA 89: Elect Equip - Tactical C2 Systems		P-1 Line Item Number / Title: BD3955 / Life Cycle Software Support (LCSS)
ID Code (A=Service Ready, B=Not Service Ready) :	Program Elements for Code B Items:	Other Related Program Elements:
<p>FY 2016 Base Procurement dollars in the amount of \$5.850 million procures the following Command, Control, Communications, Computers, Intelligence, Surveillance and Reconnaissance (C4ISR) lab equipments:</p> <p>1) Computer Equipment: (1) E-J Band RF channel with 5-port Direction-of-Arrival (DoA) capability, (1) K-L Band RF channel (mmW) with 5-port Direction-of-Arrival (DoA) capability, RF Simulator Spare Parts Package (a. AC-to-DC Power Supplies, b. Various circuit card assemblies (CCAs); i.e. FiberOptic Interface, Digital Pulse Generation Modules, Digital-to-RF Interface, etc., c. Various RF discrete components; i.e. Frequency Locked Oscillators(FLO) C thru L bands, RF Amplifiers (C thru L bands), RF Attenuators (C thru L bands) and a 5-port Direction-of-Arrival (DoA) Modules (C thru L bands), Quad-Phase Modulators (C thru L bands), RF Pulse Modulation Switch (C thru L bands), etc).</p> <p>Requirement Description: The RF simulator will be supporting the increase of Radio Frequency (RF) simulation requirements due to the complexity of threats to Force Protection systems such as Counter Radio-Controlled Improvised Explosive Device (RCIED) Electronic Warfare (CREW) Duke, Radar Warning receivers APR-39A(V)1, APR-39B(V)2, and APR-48 Radio Frequency Interferometer(RFIS) and future systems. Failure to provide effective support for threat simulation using the most effective simulator covering all threat Radio Frequency (RF) bands can cause unreliable mission software for CREW and all Aircraft Survivability Equipment (ASE) systems supported by SEC. In addition, the current RF simulators being used are well beyond their expected Operational Life Cycle, and are likely to become inoperable within the next 6-18 months</p> <p>2) Computer Equipment: NetApp F2240A-4-24X2TB-CL-10G-R5 (FAS2240-4,CL,HA,24x2TB,10GbE,Dual CTL), (2) Dell Blade computer (8 blades - 6 1/10gb switches), (2) Dell EqualLogic storage for blade computer (24 TB), (45) Surrogate computers - HP Compaq 6300 Microtower (Core i5, 250GB HDD, 4GB RAM, 1 DVD RW), 18 ServSwitch Octet Basic User Station(KV1711A-R2), 20 ServSwitch Octet KVM Switch, 4 Users x 16 Servers (KV1703A0, 50 Updated monitors for Surrogate computers - 22" and 144 ServSwitch Octet Server Access Module (SAMs) for USB</p> <p>Requirement Description: The majority of existing Force XXI Battle Command, Brigade and Below (FBCB2) software integration and test hardware is 8-10 years old and is no longer supported by the vendor. In the case of the Blue Force Tracking Network Operations Center (BGN), the test bed hardware is not a representative of the deployed equipment and thus limits SEC's ability to truly replicate, troubleshoot, and assess performance and operational behavior on the fielded target hardware. The BFT/NOC hardware is 2 generations of hardware behind the deployed configuration. In addition, test bed network equipment, such as switching equipment, requires replacement due to obsolescence and lack of vendor support. Failure to fund the hardware upgrade and allow the test bed become partially and/or completely inoperable due to equipment obsolescence and vendor support, this will render SEC incapable of performing the FBCB2 PPSS mission.</p> <p>3) Computer Equipment: Qty 5 Dell PowerEdge R910 - 4-2.4Ghz 10C processor, 1 TB memory, Esxi 5 OS, 8-300 15K SAS drives, 2 Intel X520Da 10GB Dual port SFP+ , Integrated Nexuss 5548P Layer 3 License with daughter card, Vmware View 5 Premier Add on for Lab consolidation</p> <p>Requirement Description: The Ft. Sill server farm for the Fires programs under sustainment are reaching their end of life. These machines serve up compilers and provide a data repository for all source code, and documentation at Ft. Sill. Today we have roughly 20 machines that are about 3-5 years old. This purchase would replace them with 5 more powerful machines utilizing VMWare to virtualize the environment reducing the needed for as many machines. The new machines will increase the server reliability and assist in consolidation. Loss of one machine will begin to impact the Compilation schedules for all Fires program under sustainment at Ft. Sill. Loss of more will increase that effect. These machines are roughly 3-5 years old on average and are approaching end of life, which will soon render them unserviceable.</p>		

UNCLASSIFIED

Exhibit P-40, Budget Line Item Justification: PB 2016 Army **Date:** February 2015

Appropriation / Budget Activity / Budget Sub Activity: 2035A: Other Procurement, Army / BA 02: Communications and Electronics Equipment / BSA 89: Elect Equip - Tactical C2 Systems	P-1 Line Item Number / Title: BA9301 / Network Management Initialization and Services
--	---

ID Code (A=Service Ready, B=Not Service Ready) :		Program Elements for Code B Items:					Other Related Program Elements:					
Resource Summary	Prior Years	FY 2014	FY 2015	FY 2016 Base	FY 2016 OCO	FY 2016 Total	FY 2017	FY 2018	FY 2019	FY 2020	To Complete	Total
Procurement Quantity (Units in Each)	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Cost (\$ in Millions)	269.045	19.327	21.524	12.738	-	12.738	12.627	11.784	11.759	8.603	Continuing	Continuing
Less PY Advance Procurement (\$ in Millions)	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P1) (\$ in Millions)	269.045	19.327	21.524	12.738	-	12.738	12.627	11.784	11.759	8.603	Continuing	Continuing
Plus CY Advance Procurement (\$ in Millions)	-	-	-	-	-	-	-	-	-	-	-	-
Total Obligation Authority (\$ in Millions)	269.045	19.327	21.524	12.738	-	12.738	12.627	11.784	11.759	8.603	Continuing	Continuing
<i>(The following Resource Summary rows are for informational purposes only. The corresponding budget requests are documented elsewhere.)</i>												
Initial Spares (\$ in Millions)	-	-	-	-	-	-	-	-	-	-	-	-
Flyaway Unit Cost (\$ in Thousands)	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Unit Cost (\$ in Thousands)	-	-	-	-	-	-	-	-	-	-	-	-

Description:

The Network Management Initialization and Services (NMIS) program supports the Army's objectives of an integrated Network Operations capability. There are two components to the program:

Network Management System (NMS) funds the NetOps Trail Boss systems engineering support to converge NetOps capabilities across ASA(ALT) in order to enable improved network security and delivery of network operations services to the Generating Forces and Operating Forces of the Army. Integrated NetOps capabilities support distributed operational NetOps responsibilities across the tactical and strategic components of the LANDWARNET, simplify the network management environment for the tactical commander and the G6/S6 staff, and eliminate both functional and material redundancies in order to achieve efficiencies in fielding.

Data Products provide the necessary initialization data required for Battle Command Systems, like Joint Battle Command-Platform (JBC-P) and the Army Battle Command Systems (ABCS), to interoperate over the tactical network. Data Products are essential for Blue Force Tracker (BFT) Situational Awareness data, for tactical digital messaging (e.g., Improvised Explosive Device (IED) awareness, Medical Evacuation (MEDEVAC), Call for Fire, etc.) and automated Command and Control (C2) to function.

Secondary Distribution		FY 2014	FY 2015	FY 2016 Base	FY 2016 OCO	FY 2016 Total	FY 2017	FY 2018	FY 2019	FY 2020
Army	Quantity	-	-	-	-	-	-	-	-	-
	Total Obligation Authority	10.554	13.388	8.953	-	8.953	8.899	8.472	8.488	6.903
ANG	Quantity	-	-	-	-	-	-	-	-	-
	Total Obligation Authority	5.729	5.313	2.472	-	2.472	2.435	2.163	2.136	1.110
AR	Quantity	-	-	-	-	-	-	-	-	-
	Total Obligation Authority	3.044	2.823	1.313	-	1.313	1.293	1.149	1.135	0.590

UNCLASSIFIED

Exhibit P-40, Budget Line Item Justification: PB 2016 Army **Date:** February 2015

Appropriation / Budget Activity / Budget Sub Activity: 2035A: Other Procurement, Army / BA 02: Communications and Electronics Equipment / BSA 89: Elect Equip - Tactical C2 Systems	P-1 Line Item Number / Title: BA9301 / Network Management Initialization and Services
--	---

ID Code (A=Service Ready, B=Not Service Ready) :		Program Elements for Code B Items:				Other Related Program Elements:				
Secondary Distribution		FY 2014	FY 2015	FY 2016 Base	FY 2016 OCO	FY 2016 Total	FY 2017	FY 2018	FY 2019	FY 2020
Total:	Quantity	-	-	-	-	-	-	-	-	-
Secondary Distribution	Total Obligation Authority	19.327	21.524	12.738	-	12.738	12.627	11.784	11.759	8.603

UNCLASSIFIED

Exhibit P-40, Budget Line Item Justification: PB 2016 Army **Date:** February 2015

Appropriation / Budget Activity / Budget Sub Activity: 2035A: Other Procurement, Army / BA 02: Communications and Electronics Equipment / BSA 89: Elect Equip - Tactical C2 Systems	P-1 Line Item Number / Title: BA9301 / Network Management Initialization and Services
--	---

ID Code (A=Service Ready, B=Not Service Ready) :			Program Elements for Code B Items:			Other Related Program Elements:		
Exhibits Schedule			Prior Years	FY 2014	FY 2015	FY 2016 Base	FY 2016 OCO	FY 2016 Total
Title*	Exhibits	ID CD	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)
BA9312 / NETWORK MANAGEMENT SYSTEM	P-5		- / 20.967	- / 1.423	- / 4.920	- / 5.014	- / -	- / 5.014
BA9315 / DATA PRODUCTS	P-5		- / 231.811	- / 17.904	- / 16.604	- / 7.724	- / -	- / 7.724
Total Gross/Weapon System Cost			- / 269.045	- / 19.327	- / 21.524	- / 12.738	- / -	- / 12.738

*Title represents 1) the Number / Title for Items; 2) the Number / Title [DODIC] for Ammunition; and/or 3) the Number / Title (Modification Type) for Modifications.
 Note: Totals in this Exhibit P-40 set may not be exact or add due to rounding.

Justification:
 FY 2016 Base procurement dollars in the amount of \$5.014 million supports Network Management System duties as an integration/interoperability/convergence manager for the Army's NetOps portfolio. Duties include assessments of Cyber and NetOps capability gaps, developing NetOps capability roadmaps across key Army stakeholders, developing interoperability specifications, and maintaining the Army NetOps Capability Configuration Management.

FY 2016 Base procurement dollars in the amount of \$7.724 million supports procurement of Data Product Networking Initializations; databases that support the Army Forces Generation (ARFORGEN) model for deployment, training and reset; the fielding and support of the Initialization Tool Suite (Warfighter Initialization Tool- Platform(WIT-P), Warfighter Initialization Tool- Server(WIT-S), and Warfighter Initialization Tool- Manager(WIT-M)) and utilization of the Automated Initialization Manager(AIM). Static data products are also being evolved to include initialization being managed at the unit level.

The FY 2016 funding request was reduced by \$0.141 million to account for the availability of prior year balances.

IAW Section 1815 of the FY08 NDAA this item is necessary for use by the active components and reserve components of the Armed Forces for homeland defense missions, domestic emergency responses, and providing military support to civil authorities.

UNCLASSIFIED

Exhibit P-5, Cost Analysis: PB 2016 Army		Date: February 2015
Appropriation / Budget Activity / Budget Sub Activity: 2035A / 02 / 89	P-1 Line Item Number / Title: BA9301 / Network Management Initialization and Services	Item Number / Title [DODIC]: BA9312 / NETWORK MANAGEMENT SYSTEM

ID Code (A=Service Ready, B=Not Service Ready) :	MDAP/MAIS Code:
---	------------------------

Resource Summary	Prior Years	FY 2014	FY 2015	FY 2016 Base	FY 2016 OCO	FY 2016 Total
Procurement Quantity (Units in Each)	-	-	-	-	-	-
Gross/Weapon System Cost (\$ in Millions)	20.967	1.423	4.920	5.014	-	5.014
Less PY Advance Procurement (\$ in Millions)	-	-	-	-	-	-
Net Procurement (P1) (\$ in Millions)	20.967	1.423	4.920	5.014	-	5.014
Plus CY Advance Procurement (\$ in Millions)	-	-	-	-	-	-
Total Obligation Authority (\$ in Millions)	20.967	1.423	4.920	5.014	-	5.014

(The following Resource Summary rows are for informational purposes only. The corresponding budget requests are documented elsewhere.)

Initial Spares (\$ in Millions)	-	-	-	-	-	-
Gross/Weapon System Unit Cost (\$ in Thousands)	-	-	-	-	-	-

Note: Subtotals or Totals in this Exhibit P-5 may not be exact or add, due to rounding.

Cost Elements	Prior Years			FY 2014			FY 2015			FY 2016 Base			FY 2016 OCO			FY 2016 Total		
	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)
Flyaway Cost																		
Recurring Cost																		
Program Management	-	-	20.967	-	-	0.239	-	-	0.827	-	-	0.808	-	-	-	-	-	0.808
Systems Engineering	-	-	-	-	-	1.042	-	-	3.601	-	-	3.700	-	-	-	-	-	3.700
Integration & Testing	-	-	-	-	-	0.142	-	-	0.492	-	-	0.506	-	-	-	-	-	0.506
Subtotal: Recurring Cost	-	-	20.967	-	-	1.423	-	-	4.920	-	-	5.014	-	-	-	-	-	5.014
Subtotal: Flyaway Cost	-	-	20.967	-	-	1.423	-	-	4.920	-	-	5.014	-	-	-	-	-	5.014
Gross/Weapon System Cost	-	-	20.967	-	-	1.423	-	-	4.920	-	-	5.014	-	-	-	-	-	5.014

Secondary Distribution		FY 2014	FY 2015	FY 2016 Base	FY 2016 OCO	FY 2016 Total
Army	Quantity	-	-	-	-	-
	Total Obligation Authority	1.423	4.920	5.014	-	5.014
Total:	Quantity	-	-	-	-	-
Secondary Distribution	Total Obligation Authority	1.423	4.920	5.014	-	5.014

UNCLASSIFIED

Exhibit P-5, Cost Analysis: PB 2016 Army **Date:** February 2015

Appropriation / Budget Activity / Budget Sub Activity: 2035A / 02 / 89	P-1 Line Item Number / Title: BA9301 / Network Management Initialization and Services	Item Number / Title [DODIC]: BA9315 / DATA PRODUCTS
--	---	---

ID Code (A=Service Ready, B=Not Service Ready) : **MDAP/MAIS Code:**

Resource Summary	Prior Years	FY 2014	FY 2015	FY 2016 Base	FY 2016 OCO	FY 2016 Total
Procurement Quantity (Units in Each)	-	-	-	-	-	-
Gross/Weapon System Cost (\$ in Millions)	231.811	17.904	16.604	7.724	-	7.724
Less PY Advance Procurement (\$ in Millions)	-	-	-	-	-	-
Net Procurement (P1) (\$ in Millions)	231.811	17.904	16.604	7.724	-	7.724
Plus CY Advance Procurement (\$ in Millions)	-	-	-	-	-	-
Total Obligation Authority (\$ in Millions)	231.811	17.904	16.604	7.724	-	7.724

(The following Resource Summary rows are for informational purposes only. The corresponding budget requests are documented elsewhere.)

Initial Spares (\$ in Millions)	-	-	-	-	-	-
Gross/Weapon System Unit Cost (\$ in Thousands)	-	-	-	-	-	-

Note: Subtotals or Totals in this Exhibit P-5 may not be exact or add, due to rounding.

Cost Elements	Prior Years			FY 2014			FY 2015			FY 2016 Base			FY 2016 OCO			FY 2016 Total		
	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)
Flyaway Cost																		
Recurring Cost																		
Sys Arch and Data products	161,137.000	1	161.137	-	-	13.608	-	-	12.620	-	-	5.871	-	-	-	-	-	5.871
Test	-	-	10.109	-	-	0.895	-	-	0.830	-	-	0.386	-	-	-	-	-	0.386
Government Engineering/ Management	-	-	46.227	-	-	3.043	-	-	2.822	-	-	1.313	-	-	-	-	-	1.313
Training/Fielding	-	-	14.338	-	-	0.358	-	-	0.332	-	-	0.154	-	-	-	-	-	0.154
<i>Subtotal: Recurring Cost</i>	-	-	231.811	-	-	17.904	-	-	16.604	-	-	7.724	-	-	-	-	-	7.724
<i>Subtotal: Flyaway Cost</i>	-	-	231.811	-	-	17.904	-	-	16.604	-	-	7.724	-	-	-	-	-	7.724
Gross/Weapon System Cost	-	-	231.811	-	-	17.904	-	-	16.604	-	-	7.724	-	-	-	-	-	7.724

Secondary Distribution		FY 2014	FY 2015	FY 2016 Base	FY 2016 OCO	FY 2016 Total
Army	Quantity	-	-	-	-	-
	Total Obligation Authority	9.131	8.468	3.939	-	3.939
ANG	Quantity	-	-	-	-	-
	Total Obligation Authority	5.729	5.313	2.472	-	2.472
AR	Quantity	-	-	-	-	-
	Total Obligation Authority	3.044	2.823	1.313	-	1.313
Total:	Quantity	-	-	-	-	-

UNCLASSIFIED

Exhibit P-5, Cost Analysis: PB 2016 Army			Date: February 2015			
Appropriation / Budget Activity / Budget Sub Activity: 2035A / 02 / 89		P-1 Line Item Number / Title: BA9301 / Network Management Initialization and Services		Item Number / Title [DODIC]: BA9315 / DATA PRODUCTS		
ID Code (A=Service Ready, B=Not Service Ready) :			MDAP/MAIS Code:			
Secondary Distribution		FY 2014	FY 2015	FY 2016 Base	FY 2016 OCO	FY 2016 Total
Secondary Distribution	Total Obligation Authority	17.904	16.604	7.724	-	7.724

UNCLASSIFIED

Exhibit P-40, Budget Line Item Justification: PB 2016 Army **Date:** February 2015

Appropriation / Budget Activity / Budget Sub Activity: 2035A: Other Procurement, Army / BA 02: Communications and Electronics Equipment / BSA 89: Elect Equip - Tactical C2 Systems	P-1 Line Item Number / Title: BA9320 / Maneuver Control System (MCS)
--	--

ID Code (A=Service Ready, B=Not Service Ready) : B		Program Elements for Code B Items: 0203740A					Other Related Program Elements:					
Resource Summary	Prior Years	FY 2014	FY 2015	FY 2016 Base	FY 2016 OCO	FY 2016 Total	FY 2017	FY 2018	FY 2019	FY 2020	To Complete	Total
Procurement Quantity (Units in Each)	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Cost (\$ in Millions)	1,492.141	18.179	95.455	145.405	0.252	145.657	172.458	172.943	104.706	75.546	Continuing	Continuing
Less PY Advance Procurement (\$ in Millions)	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P1) (\$ in Millions)	1,492.141	18.179	95.455	145.405	0.252	145.657	172.458	172.943	104.706	75.546	Continuing	Continuing
Plus CY Advance Procurement (\$ in Millions)	-	-	-	-	-	-	-	-	-	-	-	-
Total Obligation Authority (\$ in Millions)	1,492.141	18.179	95.455	145.405	0.252	145.657	172.458	172.943	104.706	75.546	Continuing	Continuing
<i>(The following Resource Summary rows are for informational purposes only. The corresponding budget requests are documented elsewhere.)</i>												
Initial Spares (\$ in Millions)	-	-	-	-	-	-	-	-	-	-	-	-
Flyaway Unit Cost (\$ in Thousands)	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Unit Cost (\$ in Thousands)	-	-	-	6,069.042	-	6,069.042	-	-	-	-	Continuing	Continuing

Description:

Maneuver Control System (MCS) is also named Tactical Mission Command (TMC). TMC is a suite of products and services that provide commanders and their staff executive decision making capability in a collaborative environment. The suite of products currently in development consist of Command Web (CW), Tactical Applications (TacApps), and an Army Voice Communication System (WAVE). TMC satisfies requirements and capabilities identified in the MCS 6.4 Capability Production Document and the Battle Command Sustainment Support System (BCS3) Capability Production Document. The overarching capability includes a user-defined Common Operating Picture (COP) with integrated Command and Control (C2) and Situational Awareness (SA), map-centric collaboration, Army Mission Command Systems (and others) enabling system interoperability, data management, and enterprise services. TMC contributes to Mission Command Convergence/Common Operating Environment (COE) development for commanders and staff to effectively conduct collaborative mission planning and execution across a range of operations and spectrum of conflict. Legacy products supported by this Budget Item include Command Post of the Future (CPOF), Battle Command Common Services (BCCS), Logistics Widgets, and Common Tactical Vision (CTV).

TMC procures the hardware infrastructure that powers the Command Post Computing Environment (CP CE) software. Hardware infrastructure includes clients for applications that have not fully transitioned to the CP CE environment like Command Post of the Future (CPOF) and Battle Command Sustainment Support System (BCS3). Additionally, TMC procures the hardware for the Battle Command Common Services (BCCS) stacks which provide a hosting environment for all virtualized applications and back end services, such as the Distributed Data Service (DDS) critical for interoperability amongst all systems within the CP CE. CP CE will use the foundational architectures from TMC's product line to provide a common look and feel for the Warfighter from Army Service Combatant Command (ASCC) to Battalion.

TMC is a designated Major Automation Information System (MAIS) program.

Secondary Distribution		FY 2014	FY 2015	FY 2016 Base	FY 2016 OCO	FY 2016 Total	FY 2017	FY 2018	FY 2019	FY 2020
Army	Quantity	-	-	-	-	-	-	-	-	-
	Total Obligation Authority	14.440	50.530	53.421	0.252	53.673	93.062	140.355	47.802	31.095
ANG	Quantity	-	-	-	-	-	-	-	-	-

UNCLASSIFIED

Exhibit P-40, Budget Line Item Justification: PB 2016 Army **Date:** February 2015

Appropriation / Budget Activity / Budget Sub Activity: 2035A: Other Procurement, Army / BA 02: Communications and Electronics Equipment / BSA 89: Elect Equip - Tactical C2 Systems	P-1 Line Item Number / Title: BA9320 / Maneuver Control System (MCS)
--	--

ID Code (A=Service Ready, B=Not Service Ready) : B **Program Elements for Code B Items:** 0203740A **Other Related Program Elements:**

	Secondary Distribution	FY 2014	FY 2015	FY 2016 Base	FY 2016 OCO	FY 2016 Total	FY 2017	FY 2018	FY 2019	FY 2020
	Total Obligation Authority	3.187	35.681	61.985	-	61.985	37.803	25.292	41.924	31.559
AR	Quantity	-	-	-	-	-	-	-	-	-
	Total Obligation Authority	0.552	9.244	29.999	-	29.999	41.593	7.296	14.980	12.892
Total:	Quantity	-	-	-	-	-	-	-	-	-
Secondary Distribution	Total Obligation Authority	18.179	95.455	145.405	0.252	145.657	172.458	172.943	104.706	75.546

UNCLASSIFIED

Exhibit P-40, Budget Line Item Justification: PB 2016 Army **Date:** February 2015

Appropriation / Budget Activity / Budget Sub Activity: 2035A: Other Procurement, Army / BA 02: Communications and Electronics Equipment / BSA 89: Elect Equip - Tactical C2 Systems	P-1 Line Item Number / Title: BA9320 / Maneuver Control System (MCS)
--	--

ID Code (A=Service Ready, B=Not Service Ready) : B			Program Elements for Code B Items: 0203740A			Other Related Program Elements:		
Exhibits Schedule			Prior Years	FY 2014	FY 2015	FY 2016 Base	FY 2016 OCO	FY 2016 Total
Title*	Exhibits	ID CD	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)
BA9320 / Maneuver Control System (MCS)	P-5, P-5a	B	- / 1,492.141	- / 18.179	- / 95.455	- / 145.405	- / 0.252	- / 145.657
Total Gross/Weapon System Cost			- / 1,492.141	- / 18.179	- / 95.455	- / 145.405	- / 0.252	- / 145.657

*Title represents 1) the Number / Title for Items; 2) the Number / Title [DODIC] for Ammunition; and/or 3) the Number / Title (Modification Type) for Modifications.

Note: Totals in this Exhibit P-40 set may not be exact or add due to rounding.

Justification:
 FY 2016 Base procurement in the amount of \$145.405 million supports purchase of 5,637 TMC Clients, hardware(BCCS servers, Server Management Consoles, and Gateways), and associated fielding support.

 FY 2016 OCO procurement in the amount of \$0.252 million supports the purchase of 24 TMC Clients, hardware, and associated fielding support; used by United States Forces - Afghanistan(USFOR-A) to support counter-insurgency and counter-terrorism operations in theater.

 In accordance with Section 1815 of the FY 2008 National Defense Authorization Act (P.L. 110-181), this item is necessary for use by the active and reserve components of the Armed Forces for homeland defense missions, domestic emergency responses, and providing military support to civil authorities.

UNCLASSIFIED

Exhibit P-5, Cost Analysis: PB 2016 Army		Date: February 2015
Appropriation / Budget Activity / Budget Sub Activity: 2035A / 02 / 89	P-1 Line Item Number / Title: BA9320 / Maneuver Control System (MCS)	Item Number / Title [DODIC]: BA9320 / Maneuver Control System (MCS)

ID Code (A=Service Ready, B=Not Service Ready) : B	MDAP/MAIS Code:
---	------------------------

Resource Summary	Prior Years	FY 2014	FY 2015	FY 2016 Base	FY 2016 OCO	FY 2016 Total
Procurement Quantity (Units in Each)	-	-	-	-	-	-
Gross/Weapon System Cost (\$ in Millions)	1,492.141	18.179	95.455	145.405	0.252	145.657
Less PY Advance Procurement (\$ in Millions)	-	-	-	-	-	-
Net Procurement (P1) (\$ in Millions)	1,492.141	18.179	95.455	145.405	0.252	145.657
Plus CY Advance Procurement (\$ in Millions)	-	-	-	-	-	-
Total Obligation Authority (\$ in Millions)	1,492.141	18.179	95.455	145.405	0.252	145.657

(The following Resource Summary rows are for informational purposes only. The corresponding budget requests are documented elsewhere.)

Initial Spares (\$ in Millions)	-	-	-	-	-	-
Gross/Weapon System Unit Cost (\$ in Thousands)	-	-	-	6,069.042	-	6,069.042

Note: Subtotals or Totals in this Exhibit P-5 may not be exact or add, due to rounding.

Cost Elements	Prior Years			FY 2014			FY 2015			FY 2016 Base			FY 2016 OCO			FY 2016 Total		
	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)
Flyaway Cost																		
Recurring Cost																		
Workstation (Initial Procurement) ^(f)	8.300	17,008	141.158	-	-	-	3.895	693	2.699	3.573	1,691	6.042	-	-	-	3.573	1,691	6.042
Workstation (Tech Refresh) ^(f)	5.000	1,506	7.530	-	-	-	3.896	3,055	11.902	3.573	3,946	14.100	3.583	24	0.086	3.573	3,970	14.186
Other Hardware	-	-	372.084	-	-	-	-	-	26.341	-	-	47.359	-	-	0.128	-	-	47.487
Software Licenses	-	-	261.091	-	-	-	-	-	12.575	-	-	36.449	-	-	0.038	-	-	36.487
Fielding: (FSRs, SMEs, CM & Tech)	-	-	376.021	-	-	12.134	-	-	33.626	-	-	32.267	-	-	-	-	-	32.267
PDSS	-	-	142.700	-	-	2.300	-	-	1.300	-	-	1.966	-	-	-	-	-	1.966
Project Management Support	-	-	103.984	-	-	3.745	-	-	7.012	-	-	7.222	-	-	-	-	-	7.222
Peripherals	-	-	32.166	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Training Base	-	-	25.751	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Other: CTSF Support	-	-	9.398	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
ABCS Digital sys Eng (DSE) Spt	-	-	15.000	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Interim Contractor Support	-	-	5.250	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Subtotal: Recurring Cost	-	-	1,492.141	-	-	18.179	-	-	95.456	-	-	145.404	-	-	0.252	-	-	145.656
Subtotal: Flyaway Cost	-	-	1,492.141	-	-	18.179	-	-	95.456	-	-	145.404	-	-	0.252	-	-	145.656

UNCLASSIFIED

Exhibit P-5, Cost Analysis: PB 2016 Army		Date: February 2015
Appropriation / Budget Activity / Budget Sub Activity: 2035A / 02 / 89	P-1 Line Item Number / Title: BA9320 / Maneuver Control System (MCS)	Item Number / Title [DODIC]: BA9320 / Maneuver Control System (MCS)
ID Code (A=Service Ready, B=Not Service Ready) : B		MDAP/MAIS Code:

Note: Subtotals or Totals in this Exhibit P-5 may not be exact or add, due to rounding.

Cost Elements	Prior Years			FY 2014			FY 2015			FY 2016 Base			FY 2016 OCO			FY 2016 Total		
	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)
Gross/Weapon System Cost	-	-	1,492.141	-	-	18.179	-	-	95.455	6,069.042	-	145.405	-	-	0.252	6,069.042	-	145.657

Secondary Distribution		FY 2014	FY 2015	FY 2016 Base	FY 2016 OCO	FY 2016 Total
Army	Quantity	-	-	-	-	-
	Total Obligation Authority	14.440	50.530	53.421	0.252	53.673
ANG	Quantity	-	-	-	-	-
	Total Obligation Authority	3.187	35.681	61.985	-	61.985
AR	Quantity	-	-	-	-	-
	Total Obligation Authority	0.552	9.244	29.999	-	29.999
Total:	Quantity	-	-	-	-	-
Secondary Distribution	Total Obligation Authority	18.179	95.455	145.405	0.252	145.657

(†) indicates the presence of a P-5a

UNCLASSIFIED

Exhibit P-5a, Procurement History and Planning: PB 2016 Army							Date: February 2015					
Appropriation / Budget Activity / Budget Sub Activity: 2035A / 02 / 89			P-1 Line Item Number / Title: BA9320 / Maneuver Control System (MCS)				Item Number / Title [DODIC]: BA9320 / Maneuver Control System (MCS)					

Cost Elements	O C O	FY	Contractor and Location	Method/Type or Funding Vehicle	Location of PCO	Award Date	Date of First Delivery	Qty <i>(Each)</i>	Unit Cost <i>(\$ K)</i>	Specs Avail Now?	Date Revision Available	RFP Issue Date
Workstation (Initial Procurement)		2015	CHS / Taunton, MA	C / IDIQ	Aberdeen Proving Ground	Jan 2015	Jul 2015	693	3.895	N		
Workstation (Initial Procurement)		2016	CHS / Taunton, MA	C / IDIQ	Aberdeen Proving Ground	Jan 2016	Jul 2016	1,691	3.573	N		
Workstation (Tech Refresh)		2015	CHS / Taunton, MA	C / IDIQ	Aberdeen Proving Ground	Jan 2015	Jul 2015	3,055	3.896	N		
Workstation (Tech Refresh)		2016	CHS / Taunton, MA	C / IDIQ	Aberdeen Proving Ground	Jan 2016	Jul 2016	3,946	3.573	N		

Remarks:
Items are COTS/GOTS.

UNCLASSIFIED

Exhibit P-40, Budget Line Item Justification: PB 2016 Army **Date:** February 2015

Appropriation / Budget Activity / Budget Sub Activity: 2035A: Other Procurement, Army / BA 02: Communications and Electronics Equipment / BSA 89: Elect Equip - Tactical C2 Systems	P-1 Line Item Number / Title: W30001 / Global Combat Support System-Army (GCSS-A)
--	---

ID Code (A=Service Ready, B=Not Service Ready) :	Program Elements for Code B Items:						Other Related Program Elements:					
Resource Summary	Prior Years	FY 2014	FY 2015	FY 2016 Base	FY 2016 OCO	FY 2016 Total	FY 2017	FY 2018	FY 2019	FY 2020	To Complete	Total
Procurement Quantity (Units in Each)	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Cost (\$ in Millions)	1,468.898	71.936	118.600	162.654	-	162.654	137.544	40.832	10.756	34.565	Continuing	Continuing
Less PY Advance Procurement (\$ in Millions)	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P1) (\$ in Millions)	1,468.898	71.936	118.600	162.654	-	162.654	137.544	40.832	10.756	34.565	Continuing	Continuing
Plus CY Advance Procurement (\$ in Millions)	-	-	-	-	-	-	-	-	-	-	-	-
Total Obligation Authority (\$ in Millions)	1,468.898	71.936	118.600	162.654	-	162.654	137.544	40.832	10.756	34.565	Continuing	Continuing
<i>(The following Resource Summary rows are for informational purposes only. The corresponding budget requests are documented elsewhere.)</i>												
Initial Spares (\$ in Millions)	-	-	-	-	-	-	-	-	-	-	-	-
Flyaway Unit Cost (\$ in Thousands)	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Unit Cost (\$ in Thousands)	-	-	-	-	-	-	-	-	-	-	-	-

Description:

Global Combat Support System-Army (GCSS-A) consists of two funding subcomponents; Standard Army Management Information Systems (STAMIS) Tactical Computers (STACOMP) and Army Enterprise System Integration Program (AESIP).

GCSS-Army will modernize tactical logistics by implementing a web based and commercial best business practices system to streamline supply and maintenance, property accountability, and logistics management and integration procedures in all tactical units of the Army. GCSS-Army will provide a comprehensive solution for meeting the day-to-day needs of tactical level logistics, logistics finance operations and statutory auditability requirements. GCSS-Army will enable Commanders to obtain an integrated, interoperable view of the sustainment situation in the battle-space in sufficient time to support decisions that will affect the outcome of combat operations, combat power and planning for future operations.

The Army Enterprise Systems Integration Program (AESIP), mission is to integrate Army business processes by providing a single source for enterprise hub services, centralized master data management, and business intelligence and analytics. AESIP will support the Army's federated approach and enable the integration of end-to-end logistical and financial processes. The AESIP solution establishes a framework for a fully integrated ERP centric environment that will ultimately provide Commanders Total Asset Visibility from Factory to Battlefield thereby ensuring delivery of the right equipment to the right unit at the right time, while reducing backlogs of material on the battlefield.

GCSS-A is a designated Major Automation Information System (MAIS) program.

	Secondary Distribution	FY 2014	FY 2015	FY 2016 Base	FY 2016 OCO	FY 2016 Total	FY 2017	FY 2018	FY 2019	FY 2020
Army	Quantity	-	-	-	-	-	-	-	-	-
	Total Obligation Authority	31.754	55.062	86.350	-	86.350	64.685	26.936	10.756	34.565
ANG	Quantity	-	-	-	-	-	-	-	-	-

UNCLASSIFIED

Exhibit P-40, Budget Line Item Justification: PB 2016 Army **Date:** February 2015

Appropriation / Budget Activity / Budget Sub Activity: 2035A: Other Procurement, Army / BA 02: Communications and Electronics Equipment / BSA 89: Elect Equip - Tactical C2 Systems	P-1 Line Item Number / Title: W30001 / Global Combat Support System-Army (GCSS-A)
--	---

ID Code (A=Service Ready, B=Not Service Ready) :		Program Elements for Code B Items:				Other Related Program Elements:				
	Secondary Distribution	FY 2014	FY 2015	FY 2016 Base	FY 2016 OCO	FY 2016 Total	FY 2017	FY 2018	FY 2019	FY 2020
	Total Obligation Authority	17.538	27.726	33.201	-	33.201	31.695	6.016	-	-
AR	Quantity	-	-	-	-	-	-	-	-	-
	Total Obligation Authority	22.644	35.812	43.103	-	43.103	41.164	7.880	-	-
Total:	Quantity	-	-	-	-	-	-	-	-	-
Secondary Distribution	Total Obligation Authority	71.936	118.600	162.654	-	162.654	137.544	40.832	10.756	34.565

UNCLASSIFIED

Exhibit P-40, Budget Line Item Justification: PB 2016 Army **Date:** February 2015

Appropriation / Budget Activity / Budget Sub Activity: 2035A: Other Procurement, Army / BA 02: Communications and Electronics Equipment / BSA 89: Elect Equip - Tactical C2 Systems	P-1 Line Item Number / Title: W30001 / Global Combat Support System-Army (GCSS-A)
--	---

ID Code (A=Service Ready, B=Not Service Ready) :			Program Elements for Code B Items:			Other Related Program Elements:		
Exhibits Schedule			Prior Years	FY 2014	FY 2015	FY 2016 Base	FY 2016 OCO	FY 2016 Total
Title*	Exhibits	ID CD	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)
W00800 / GCSS-A Increment 1	P-5, P-5a		- / 1,418.764	- / 71.236	- / 117.524	- / 159.262	- / -	- / 159.262
W11001 / AESIP Increment 1	P-5, P-5a		- / 48.479	- / 0.700	- / 1.076	- / 3.392	- / -	- / 3.392
Total Gross/Weapon System Cost			- / 1,468.898	- / 71.936	- / 118.600	- / 162.654	- / -	- / 162.654

*Title represents 1) the Number / Title for Items; 2) the Number / Title [DODIC] for Ammunition; and/or 3) the Number / Title (Modification Type) for Modifications.
 Note: Totals in this Exhibit P-40 set may not be exact or add due to rounding.

Justification:
 FY 2016 Base procurement dollars in the amount of \$162.654 million supports GCSS-Army and AESIP. These funds procure software licenses, fielding, and training support of the systems to the Army. The AESIP funding procures software required for the implementation of an enterprise business intelligence solution, SAP High-Performance Analytic Appliance (HANA), Database Management System and hardware refresh for the end of life equipment supporting mobile training of software deployment.

In accordance with Section 1815 of the FY 2008 National Defense Authorization Act (P.L. 110-181), this item is necessary for use by the active and reserve components of the Armed Forces for homeland defense missions, domestic emergency responses, and providing military support to civil authorities.

UNCLASSIFIED

Exhibit P-5, Cost Analysis: PB 2016 Army **Date:** February 2015

Appropriation / Budget Activity / Budget Sub Activity: 2035A / 02 / 89	P-1 Line Item Number / Title: W30001 / Global Combat Support System-Army (GCSS-A)	Item Number / Title [DODIC]: W00800 / GCSS-A Increment 1
--	---	--

ID Code (A=Service Ready, B=Not Service Ready) : **MDAP/MAIS Code:**

Resource Summary	Prior Years	FY 2014	FY 2015	FY 2016 Base	FY 2016 OCO	FY 2016 Total
Procurement Quantity (Units in Each)	-	-	-	-	-	-
Gross/Weapon System Cost (\$ in Millions)	1,418.764	71.236	117.524	159.262	-	159.262
Less PY Advance Procurement (\$ in Millions)	-	-	-	-	-	-
Net Procurement (P1) (\$ in Millions)	1,418.764	71.236	117.524	159.262	-	159.262
Plus CY Advance Procurement (\$ in Millions)	-	-	-	-	-	-
Total Obligation Authority (\$ in Millions)	1,418.764	71.236	117.524	159.262	-	159.262

(The following Resource Summary rows are for informational purposes only. The corresponding budget requests are documented elsewhere.)

Initial Spares (\$ in Millions)	-	-	-	-	-	-
Gross/Weapon System Unit Cost (\$ in Thousands)	-	-	-	-	-	-

Note: Subtotals or Totals in this Exhibit P-5 may not be exact or add, due to rounding.

Cost Elements	Prior Years			FY 2014			FY 2015			FY 2016 Base			FY 2016 OCO			FY 2016 Total		
	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)
Flyaway Cost																		
Recurring Cost																		
System Integrator Fielding/Training ^(†)	709,382.000	2	1,418.764	-	-	29.266	-	-	60.528	-	-	82.024	-	-	-	-	-	82.024
Software Licenses	-	-	-	-	-	12.512	-	-	21.696	-	-	29.401	-	-	-	-	-	29.401
ERP Deployment Support	-	-	-	-	-	15.692	-	-	20.777	-	-	28.156	-	-	-	-	-	28.156
Matrix and Other Support	-	-	-	-	-	13.766	-	-	14.523	-	-	19.681	-	-	-	-	-	19.681
<i>Subtotal: Recurring Cost</i>	-	-	1,418.764	-	-	71.236	-	-	117.524	-	-	159.262	-	-	-	-	-	159.262
<i>Subtotal: Flyaway Cost</i>	-	-	1,418.764	-	-	71.236	-	-	117.524	-	-	159.262	-	-	-	-	-	159.262
Gross/Weapon System Cost	-	-	1,418.764	-	-	71.236	-	-	117.524	-	-	159.262	-	-	-	-	-	159.262

Secondary Distribution	FY 2014	FY 2015	FY 2016 Base	FY 2016 OCO	FY 2016 Total
Army	-	-	-	-	-
Total Obligation Authority	31.054	53.986	82.958	-	82.958
ANG	-	-	-	-	-
Total Obligation Authority	17.538	27.726	33.201	-	33.201
AR	-	-	-	-	-
Total Obligation Authority	22.644	35.812	43.103	-	43.103
Total:	Quantity	-	-	-	-

UNCLASSIFIED

Exhibit P-5, Cost Analysis: PB 2016 Army			Date: February 2015			
Appropriation / Budget Activity / Budget Sub Activity: 2035A / 02 / 89		P-1 Line Item Number / Title: W30001 / Global Combat Support System-Army (GCSS-A)		Item Number / Title [DODIC]: W00800 / GCSS-A Increment 1		
ID Code (A=Service Ready, B=Not Service Ready) :			MDAP/MAIS Code:			
Secondary Distribution		FY 2014	FY 2015	FY 2016 Base	FY 2016 OCO	FY 2016 Total
Secondary Distribution	Total Obligation Authority	71.236	117.524	159.262	-	159.262

(t) indicates the presence of a P-5a

UNCLASSIFIED

Exhibit P-5a, Procurement History and Planning: PB 2016 Army **Date:** February 2015

Appropriation / Budget Activity / Budget Sub Activity: 2035A / 02 / 89	P-1 Line Item Number / Title: W30001 / Global Combat Support System-Army (GCSS-A)	Item Number / Title [DODIC]: W00800 / GCSS-A Increment 1
--	---	--

Cost Elements	O C O	FY	Contractor and Location	Method/Type or Funding Vehicle	Location of PCO	Award Date	Date of First Delivery	Qty <i>(Each)</i>	Unit Cost <i>(\$ K)</i>	Specs Avail Now?	Date Revision Available	RFP Issue Date
System Integrator Fielding/Training		2014	Northrop Grunman / Midlothian, VA	C / CPFF	ACCRI, Rock Island Arsenal, IL	Oct 2013	Oct 2013	-	-	N		
System Integrator Fielding/Training		2015	Northrop Grunman / Midlothian, VA	C / CPFF	ACCRI, Rock Island Arsenal, IL	Oct 2014	Oct 2014	-	-	N		
System Integrator Fielding/Training		2016	Northrop Grunman / Midlothian, VA	C / CPFF	ACCRI, Rock Island Arsenal, IL	Dec 2015	Dec 2015	-	-	N		

Remarks:

All COTS items. FY16 OPA funding will be used for the following contracting actions: Fielding and training effort to be completed by the Program's Lead Systems Integrator (LSI) Northrop Grumman, the procurement of SAP software licenses for the user community, additional fielding and training support to supplement the LSI's fielding team will be awarded to a contractor in FY16, and other requirements that are currently being refined. FY16 will incur other noncontract related costs such as matrix support for fielding/training activities.

Matrix support functions include but is not limited to the following.

- Systems Engineering, Architecture and Standards Compliance
- Systems Integration Management
- Systems Test Support
- Technical Fielding Support
- Configuration Management
- Systems Sustainment
- Software Support
- Information Assurance

UNCLASSIFIED

Exhibit P-5, Cost Analysis: PB 2016 Army **Date:** February 2015

Appropriation / Budget Activity / Budget Sub Activity: 2035A / 02 / 89	P-1 Line Item Number / Title: W30001 / Global Combat Support System-Army (GCSS-A)	Item Number / Title [DODIC]: W11001 / AESIP Increment 1
--	---	---

ID Code (A=Service Ready, B=Not Service Ready) : **MDAP/MAIS Code:**

Resource Summary	Prior Years	FY 2014	FY 2015	FY 2016 Base	FY 2016 OCO	FY 2016 Total
Procurement Quantity (Units in Each)	-	-	-	-	-	-
Gross/Weapon System Cost (\$ in Millions)	48.479	0.700	1.076	3.392	-	3.392
Less PY Advance Procurement (\$ in Millions)	-	-	-	-	-	-
Net Procurement (P1) (\$ in Millions)	48.479	0.700	1.076	3.392	-	3.392
Plus CY Advance Procurement (\$ in Millions)	-	-	-	-	-	-
Total Obligation Authority (\$ in Millions)	48.479	0.700	1.076	3.392	-	3.392

(The following Resource Summary rows are for informational purposes only. The corresponding budget requests are documented elsewhere.)

Initial Spares (\$ in Millions)	-	-	-	-	-	-
Gross/Weapon System Unit Cost (\$ in Thousands)	-	-	-	-	-	-

Note: Subtotals or Totals in this Exhibit P-5 may not be exact or add, due to rounding.

Cost Elements	Prior Years			FY 2014			FY 2015			FY 2016 Base			FY 2016 OCO			FY 2016 Total		
	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)
Flyaway Cost																		
Recurring Cost																		
AESIP Hardware & Software ^(†)	24,240.000	2	48.479	-	-	0.700	1,076.000	1	1.076	3,392.000	1	3.392	-	-	-	3,392.000	1	3.392
<i>Subtotal: Recurring Cost</i>	-	-	48.480	-	-	0.700	-	-	1.076	-	-	3.392	-	-	-	-	-	3.392
<i>Subtotal: Flyaway Cost</i>	-	-	48.480	-	-	0.700	-	-	1.076	-	-	3.392	-	-	-	-	-	3.392
Gross/Weapon System Cost	-	-	48.479	-	-	0.700	-	-	1.076	-	-	3.392	-	-	-	-	-	3.392

Secondary Distribution	FY 2014	FY 2015	FY 2016 Base	FY 2016 OCO	FY 2016 Total
Army					
Quantity	-	-	-	-	-
Total Obligation Authority	0.700	1.076	3.392	-	3.392
Total: Secondary Distribution					
Quantity	-	-	-	-	-
Total Obligation Authority	0.700	1.076	3.392	-	3.392

(†) indicates the presence of a P-5a

UNCLASSIFIED

Exhibit P-5a, Procurement History and Planning: PB 2016 Army **Date:** February 2015

Appropriation / Budget Activity / Budget Sub Activity: 2035A / 02 / 89	P-1 Line Item Number / Title: W30001 / Global Combat Support System-Army (GCSS-A)	Item Number / Title [DODIC]: W11001 / AESIP Increment 1
--	---	---

Cost Elements	O C O	FY	Contractor and Location	Method/Type or Funding Vehicle	Location of PCO	Award Date	Date of First Delivery	Qty <i>(Each)</i>	Unit Cost <i>(\$ K)</i>	Specs Avail Now?	Date Revision Available	RFP Issue Date
AESIP Hardware & Software		2014	Multiple Hardware/Software / Various	C / FP	ACCRI, Rock Island Arsenal, IL	May 2014	Jun 2014	-	-	N		
AESIP Hardware & Software		2015	Multiple Hardware/Software / Various	C / FP	ACCRI, Rock Island Arsenal, IL	Feb 2015	Mar 2015	1	1,076.000	N		
AESIP Hardware & Software		2016	Multiple Hardware/Software / Various	C / FP	ACCRI, Rock Island Arsenal, IL	Jan 2016	Feb 2016	1	3,392.000	N		

Remarks:
All COTS items. FY16 OPA funding will be used for the following contracting actions: PMO Hardware refresh, Software licenses, support of the ERP enclave, and other requirements that are currently being defined.

UNCLASSIFIED

Exhibit P-40, Budget Line Item Justification: PB 2016 Army **Date:** February 2015

Appropriation / Budget Activity / Budget Sub Activity: 2035A: Other Procurement, Army / BA 02: Communications and Electronics Equipment / BSA 89: Elect Equip - Tactical C2 Systems	P-1 Line Item Number / Title: B66701 / Integrated Personnel and Pay System-Army (IPPS-A)
--	--

ID Code (A=Service Ready, B=Not Service Ready) :	Program Elements for Code B Items:						Other Related Program Elements:					
Resource Summary	Prior Years	FY 2014	FY 2015	FY 2016 Base	FY 2016 OCO	FY 2016 Total	FY 2017	FY 2018	FY 2019	FY 2020	To Complete	Total
Procurement Quantity (Units in Each)	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Cost (\$ in Millions)	-	-	16.970	4.446	-	4.446	4.246	16.140	46.359	9.504	-	97.665
Less PY Advance Procurement (\$ in Millions)	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P1) (\$ in Millions)	-	-	16.970	4.446	-	4.446	4.246	16.140	46.359	9.504	-	97.665
Plus CY Advance Procurement (\$ in Millions)	-	-	-	-	-	-	-	-	-	-	-	-
Total Obligation Authority (\$ in Millions)	-	-	16.970	4.446	-	4.446	4.246	16.140	46.359	9.504	-	97.665
<i>(The following Resource Summary rows are for informational purposes only. The corresponding budget requests are documented elsewhere.)</i>												
Initial Spares (\$ in Millions)	-	-	-	-	-	-	-	-	-	-	-	-
Flyaway Unit Cost (\$ in Thousands)	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Unit Cost (\$ in Thousands)	-	-	-	-	-	-	-	-	-	-	-	-

Description:

The IPPS-A provides the Army with an integrated, multi-component, military personnel and pay system which streamlines Army Human Resources (HR), enhances the efficiency and accuracy of Army personnel and pay procedures, and supports Soldiers and their families. The IPPS-A will subsume approximately 50 Army legacy systems across the Army, Army Reserve, and National Guard, into an integrated system. The IPPS-A is a web-based tool, available 24 hours a day, accessible to HR professionals, combatant commanders, personnel and pay managers, and other authorized users throughout the Army. IPPS-A addresses major deficiencies in the delivery of military personnel and pay services and also provides internal controls and audit procedures that prevent erroneous payments and loss of funds.

IPPS-A Increment II will deliver full integrated personnel and pay services for all Army Components, building on the trusted database delivered by the IPPS-A Increment I program. Increment II will be able to link the personnel and pay functions for all Army personnel, eliminating duplicate data entry, reducing complex system maintenance, and minimizing pay discrepancies. IPPS-A Increment II will account for status changes between Active, Reserve, and National Guard components to ensure accurate service time minimizing impact on individual pay, credit for service, and other benefits as well as enable disciplined human resource management.

IPPS-A Increment I and Increment II are both designated Major Automation Information System (MAIS) programs.

Secondary Distribution	FY 2014	FY 2015	FY 2016 Base	FY 2016 OCO	FY 2016 Total	FY 2017	FY 2018	FY 2019	FY 2020
Army	Quantity	-	-	-	-	-	-	-	-
	Total Obligation Authority	-	16.970	4.446	-	4.446	4.246	16.140	46.359
Total: Secondary Distribution	Quantity	-	-	-	-	-	-	-	-
	Total Obligation Authority	-	16.970	4.446	-	4.446	4.246	16.140	46.359

UNCLASSIFIED

Exhibit P-40, Budget Line Item Justification: PB 2016 Army **Date:** February 2015

Appropriation / Budget Activity / Budget Sub Activity: 2035A: Other Procurement, Army / BA 02: Communications and Electronics Equipment / BSA 89: Elect Equip - Tactical C2 Systems	P-1 Line Item Number / Title: B66701 / Integrated Personnel and Pay System-Army (IPPS-A)
--	--

ID Code (A=Service Ready, B=Not Service Ready) :			Program Elements for Code B Items:			Other Related Program Elements:		
Exhibits Schedule			Prior Years	FY 2014	FY 2015	FY 2016 Base	FY 2016 OCO	FY 2016 Total
Title*	Exhibits	ID CD	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)
B66706 / IPPS-A INC 2	P-5, P-5a		- / -	- / -	- / 16.970	- / 4.446	- / -	- / 4.446
Total Gross/Weapon System Cost			- / -	- / -	- / 16.970	- / 4.446	- / -	- / 4.446

*Title represents 1) the Number / Title for Items; 2) the Number / Title [DODIC] for Ammunition; and/or 3) the Number / Title (Modification Type) for Modifications.

Note: Totals in this Exhibit P-40 set may not be exact or add due to rounding.

Justification:
 FY 2016 procurement dollars in the amount of \$4.446 million support IPPS-A Increment II initial system software and hardware procurement to build out the Data Center infrastructure.

UNCLASSIFIED

Exhibit P-5, Cost Analysis: PB 2016 Army		Date: February 2015
Appropriation / Budget Activity / Budget Sub Activity: 2035A / 02 / 89	P-1 Line Item Number / Title: B66701 / Integrated Personnel and Pay System-Army (IPPS-A)	Item Number / Title [DODIC]: B66706 / IPPS-A INC 2

ID Code (A=Service Ready, B=Not Service Ready) :	MDAP/MAIS Code:
---	------------------------

Resource Summary	Prior Years	FY 2014	FY 2015	FY 2016 Base	FY 2016 OCO	FY 2016 Total
Procurement Quantity <i>(Units in Each)</i>	-	-	-	-	-	-
Gross/Weapon System Cost <i>(\$ in Millions)</i>	-	-	16.970	4.446	-	4.446
Less PY Advance Procurement <i>(\$ in Millions)</i>	-	-	-	-	-	-
Net Procurement (P1) <i>(\$ in Millions)</i>	-	-	16.970	4.446	-	4.446
Plus CY Advance Procurement <i>(\$ in Millions)</i>	-	-	-	-	-	-
Total Obligation Authority <i>(\$ in Millions)</i>	-	-	16.970	4.446	-	4.446

(The following Resource Summary rows are for informational purposes only. The corresponding budget requests are documented elsewhere.)

Initial Spares <i>(\$ in Millions)</i>	-	-	-	-	-	-
Gross/Weapon System Unit Cost <i>(\$ in Thousands)</i>	-	-	-	-	-	-

Note: Subtotals or Totals in this Exhibit P-5 may not be exact or add, due to rounding.

Cost Elements	Prior Years			FY 2014			FY 2015			FY 2016 Base			FY 2016 OCO			FY 2016 Total		
	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)
Flyaway Cost																		
Recurring Cost																		
Software NonRecurring ^(†)	-	-	-	-	-	-	-	-	-	2,004.000	1	2,004	-	-	-	2,004.000	1	2,004
Subtotal: Recurring Cost	-	-	-	-	-	-	-	-	-	-	-	2,004	-	-	-	-	-	2,004
Subtotal: Flyaway Cost	-	-	-	-	-	-	-	-	-	-	-	2,004	-	-	-	-	-	2,004
Hardware Cost																		
Non Recurring Cost																		
System Infrastructure Hardware ^(†)	-	-	-	-	-	-	16,970.000	1	16,970	2,442.000	1	2,442	-	-	-	2,442.000	1	2,442
Subtotal: Non Recurring Cost	-	-	-	-	-	-	-	-	16,970	-	-	2,442	-	-	-	-	-	2,442
Subtotal: Hardware Cost	-	-	-	-	-	-	-	-	16,970	-	-	2,442	-	-	-	-	-	2,442
Gross/Weapon System Cost	-	-	-	-	-	-	-	-	16,970	-	-	4,446	-	-	-	-	-	4,446

Secondary Distribution		FY 2014	FY 2015	FY 2016 Base	FY 2016 OCO	FY 2016 Total
Army	Quantity	-	-	-	-	-
	Total Obligation Authority	-	16.970	4.446	-	4.446
Total:	Quantity	-	-	-	-	-

UNCLASSIFIED

Exhibit P-5, Cost Analysis: PB 2016 Army		Date: February 2015
Appropriation / Budget Activity / Budget Sub Activity: 2035A / 02 / 89	P-1 Line Item Number / Title: B66701 / Integrated Personnel and Pay System-Army (IPPS-A)	Item Number / Title [DODIC]: B66706 / IPPS-A INC 2

ID Code (A=Service Ready, B=Not Service Ready) :	MDAP/MAIS Code:
---	------------------------

Secondary Distribution		FY 2014	FY 2015	FY 2016 Base	FY 2016 OCO	FY 2016 Total
Secondary Distribution	Total Obligation Authority	-	16.970	4.446	-	4.446

(t) indicates the presence of a P-5a

UNCLASSIFIED

Exhibit P-5a, Procurement History and Planning: PB 2016 Army							Date: February 2015					
Appropriation / Budget Activity / Budget Sub Activity: 2035A / 02 / 89			P-1 Line Item Number / Title: B66701 / Integrated Personnel and Pay System-Army (IPPS-A)				Item Number / Title [DODIC]: B66706 / IPPS-A INC 2					

Cost Elements	O C O	FY	Contractor and Location	Method/Type or Funding Vehicle	Location of PCO	Award Date	Date of First Delivery	Qty <i>(Each)</i>	Unit Cost <i>(\$ K)</i>	Specs Avail Now?	Date Revision Available	RFP Issue Date
Software NonRecurring		2016	TBS / TBS	C / FFP	ACC-NJ	Feb 2016	Mar 2016	1	2,004.000			
System Infrastructure Hardware		2015	TBS / TBS	C / FFP	ACC-NJ	Jan 2015	Apr 2015	1	16,970.000			
System Infrastructure Hardware		2016	TBS / TBS	C / FFP	ACC-NJ	Jan 2016	Apr 2016	1	2,442.000			

Remarks:
All hardware procurements are COTS items.

UNCLASSIFIED

Exhibit P-40, Budget Line Item Justification: PB 2016 Army **Date:** February 2015

Appropriation / Budget Activity / Budget Sub Activity: 2035A: Other Procurement, Army / BA 02: Communications and Electronics Equipment / BSA 89: Elect Equip - Tactical C2 Systems	P-1 Line Item Number / Title: W60002 / Logistics Automation
--	---

ID Code (A=Service Ready, B=Not Service Ready) :	Program Elements for Code B Items:						Other Related Program Elements:					
Resource Summary	Prior Years	FY 2014	FY 2015	FY 2016 Base	FY 2016 OCO	FY 2016 Total	FY 2017	FY 2018	FY 2019	FY 2020	To Complete	Total
Procurement Quantity (Units in Each)	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Cost (\$ in Millions)	232.570	15.476	-	-	-	-	-	-	-	-	Continuing	Continuing
Less PY Advance Procurement (\$ in Millions)	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P1) (\$ in Millions)	232.570	15.476	-	-	-	-	-	-	-	-	Continuing	Continuing
Plus CY Advance Procurement (\$ in Millions)	-	-	-	-	-	-	-	-	-	-	-	-
Total Obligation Authority (\$ in Millions)	232.570	15.476	-	-	-	-	-	-	-	-	Continuing	Continuing

(The following Resource Summary rows are for informational purposes only. The corresponding budget requests are documented elsewhere.)

Initial Spares (\$ in Millions)	-	-	-	-	-	-	-	-	-	-	-	-
Flyaway Unit Cost (\$ in Thousands)	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Unit Cost (\$ in Thousands)	-	-	-	-	-	-	-	-	-	-	-	-

Description:

Logistics Automation is comprised of the current logistics automation systems that support Army logistical operations throughout the world during both peace and wartime missions. Logistics Automation has the funding subcomponents of the current Standard Army Management Information Systems (STAMIS) which include Standard Army Maintenance System - Enhanced (SAMS-E), Standard Army Retail Supply System (SARSS), Unit Level Logistics Systems - Aviation Enhanced (ULLS-AE), Property Book Unit Supply Enhanced (PBUSE), and Standard Army Ammunition System - Modernized (SAAS-MOD). Logistics Automation is not directly related to Global Combat Support System - Army (GCSS-A), SSN W30001.

Secondary Distribution	FY 2014	FY 2015	FY 2016 Base	FY 2016 OCO	FY 2016 Total	FY 2017	FY 2018	FY 2019	FY 2020
Army	Quantity	-	-	-	-	-	-	-	-
	Total Obligation Authority	15.476	-	-	-	-	-	-	-
Total: Secondary Distribution	Quantity	-	-	-	-	-	-	-	-
	Total Obligation Authority	15.476	-	-	-	-	-	-	-

UNCLASSIFIED

Exhibit P-40, Budget Line Item Justification: PB 2016 Army **Date:** February 2015

Appropriation / Budget Activity / Budget Sub Activity: 2035A: Other Procurement, Army / BA 02: Communications and Electronics Equipment / BSA 89: Elect Equip - Tactical C2 Systems	P-1 Line Item Number / Title: W60002 / Logistics Automation
--	---

ID Code (A=Service Ready, B=Not Service Ready) :			Program Elements for Code B Items:			Other Related Program Elements:		
Exhibits Schedule			Prior Years	FY 2014	FY 2015	FY 2016 Base	FY 2016 OCO	FY 2016 Total
Title*	Exhibits	ID CD	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)
W11002 / STANDARD ARMY MAINTENANCE SYSTEM (SAMS)	P-5, P-5a		- / 62.688	- / 2.738	- / -	- / -	- / -	- / -
W11006 / PROPERTY BOOK USER SYSTEM ENHANCED (PBUSE)	P-5, P-5a		- / 80.351	- / 12.738	- / -	- / -	- / -	- / -
Total Gross/Weapon System Cost			- / 232.570	- / 15.476	- / -	- / -	- / -	- / -

*Title represents 1) the Number / Title for Items; 2) the Number / Title [DODIC] for Ammunition; and/or 3) the Number / Title (Modification Type) for Modifications.
 Note: Totals in this Exhibit P-40 set may not be exact or add due to rounding.

Justification:
 This program does not have an FY 2016 procurement funding request.

UNCLASSIFIED

Exhibit P-5, Cost Analysis: PB 2016 Army		Date: February 2015
Appropriation / Budget Activity / Budget Sub Activity: 2035A / 02 / 89		P-1 Line Item Number / Title: W60002 / Logistics Automation
		Item Number / Title [DODIC]: W11002 / STANDARD ARMY MAINTENANCE SYSTEM (SAMS)

ID Code (A=Service Ready, B=Not Service Ready) :	MDAP/MAIS Code:
---	------------------------

Resource Summary	Prior Years	FY 2014	FY 2015	FY 2016 Base	FY 2016 OCO	FY 2016 Total
Procurement Quantity (Units in Each)	-	-	-	-	-	-
Gross/Weapon System Cost (\$ in Millions)	62.688	2.738	-	-	-	-
Less PY Advance Procurement (\$ in Millions)	-	-	-	-	-	-
Net Procurement (P1) (\$ in Millions)	62.688	2.738	-	-	-	-
Plus CY Advance Procurement (\$ in Millions)	-	-	-	-	-	-
Total Obligation Authority (\$ in Millions)	62.688	2.738	-	-	-	-

(The following Resource Summary rows are for informational purposes only. The corresponding budget requests are documented elsewhere.)

Initial Spares (\$ in Millions)	-	-	-	-	-	-
Gross/Weapon System Unit Cost (\$ in Thousands)	-	-	-	-	-	-

Note: Subtotals or Totals in this Exhibit P-5 may not be exact or add, due to rounding.

Cost Elements	Prior Years			FY 2014			FY 2015			FY 2016 Base			FY 2016 OCO			FY 2016 Total		
	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)
Flyaway Cost																		
Recurring Cost																		
Hardware Equipping and Implementation	6,597.000	2	13.194	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Hardware Integration Support ^(†)	1,789.500	2	3.579	852.000	1	0.852	-	-	-	-	-	-	-	-	-	-	-	-
Hardware ^(†)	4.502	10,199	45.916	-	-	1.886	-	-	-	-	-	-	-	-	-	-	-	-
<i>Subtotal: Recurring Cost</i>	-	-	62.689	-	-	2.738	-	-	-	-	-	-	-	-	-	-	-	-
<i>Subtotal: Flyaway Cost</i>	-	-	62.689	-	-	2.738	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Cost	-	-	62.688	-	-	2.738	-	-	-	-	-	-	-	-	-	-	-	-

Secondary Distribution		FY 2014	FY 2015	FY 2016 Base	FY 2016 OCO	FY 2016 Total
Army	Quantity	-	-	-	-	-
	Total Obligation Authority	2.738	-	-	-	-
Total:	Quantity	-	-	-	-	-
Secondary Distribution	Total Obligation Authority	2.738	-	-	-	-

^(†) indicates the presence of a P-5a

UNCLASSIFIED

Exhibit P-5a, Procurement History and Planning: PB 2016 Army							Date: February 2015					
Appropriation / Budget Activity / Budget Sub Activity: 2035A / 02 / 89			P-1 Line Item Number / Title: W60002 / Logistics Automation				Item Number / Title [DODIC]: W11002 / STANDARD ARMY MAINTENANCE SYSTEM (SAMS)					

Cost Elements	O C O	FY	Contractor and Location	Method/Type or Funding Vehicle	Location of PCO	Award Date	Date of First Delivery	Qty <i>(Each)</i>	Unit Cost <i>(\$ K)</i>	Specs Avail Now?	Date Revision Available	RFP Issue Date
Hardware Integration Support		2014	GSA / Chester, VA	C / FFP	GSA, Chantilly, VA	Aug 2014	Aug 2014	1	852.000	N		
Hardware		2014	CHESS / N/A	C / IDIQ	CECOM, Ft Monmouth, NJ	Nov 2013	Mar 2014	-	-	N		

Remarks:
Items are COTS/GOTS.

UNCLASSIFIED

Exhibit P-5, Cost Analysis: PB 2016 Army		Date: February 2015
Appropriation / Budget Activity / Budget Sub Activity: 2035A / 02 / 89	P-1 Line Item Number / Title: W60002 / Logistics Automation	Item Number / Title [DODIC]: W11006 / PROPERTY BOOK USER SYSTEM ENHANCED (PBUSE)

ID Code (A=Service Ready, B=Not Service Ready) :	MDAP/MAIS Code:
---	------------------------

Resource Summary	Prior Years	FY 2014	FY 2015	FY 2016 Base	FY 2016 OCO	FY 2016 Total
Procurement Quantity <i>(Units in Each)</i>	-	-	-	-	-	-
Gross/Weapon System Cost <i>(\$ in Millions)</i>	80.351	12.738	-	-	-	-
Less PY Advance Procurement <i>(\$ in Millions)</i>	-	-	-	-	-	-
Net Procurement (P1) <i>(\$ in Millions)</i>	80.351	12.738	-	-	-	-
Plus CY Advance Procurement <i>(\$ in Millions)</i>	-	-	-	-	-	-
Total Obligation Authority <i>(\$ in Millions)</i>	80.351	12.738	-	-	-	-

(The following Resource Summary rows are for informational purposes only. The corresponding budget requests are documented elsewhere.)

Initial Spares <i>(\$ in Millions)</i>	-	-	-	-	-	-
Gross/Weapon System Unit Cost <i>(\$ in Thousands)</i>	-	-	-	-	-	-

Note: Subtotals or Totals in this Exhibit P-5 may not be exact or add, due to rounding.

Cost Elements	Prior Years			FY 2014			FY 2015			FY 2016 Base			FY 2016 OCO			FY 2016 Total		
	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)
Flyaway Cost																		
Recurring Cost																		
Hardware Replacement ^(t)	19.250	3,881	74.709	-	-	11.882	-	-	-	-	-	-	-	-	-	-	-	-
Hardware Integration Support ^(t)	5,642.000	1	5.642	856.000	1	0.856	-	-	-	-	-	-	-	-	-	-	-	-
<i>Subtotal: Recurring Cost</i>	-	-	80.351	-	-	12.738	-	-	-	-	-	-	-	-	-	-	-	-
<i>Subtotal: Flyaway Cost</i>	-	-	80.351	-	-	12.738	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Cost	-	-	80.351	-	-	12.738	-	-	-	-	-	-	-	-	-	-	-	-

Secondary Distribution	FY 2014	FY 2015	FY 2016 Base	FY 2016 OCO	FY 2016 Total
Army					
Quantity	-	-	-	-	-
Total Obligation Authority	12.738	-	-	-	-
Total: Secondary Distribution					
Quantity	-	-	-	-	-
Total Obligation Authority	12.738	-	-	-	-

^(t) indicates the presence of a P-5a

UNCLASSIFIED

Exhibit P-5a, Procurement History and Planning: PB 2016 Army							Date: February 2015					
Appropriation / Budget Activity / Budget Sub Activity: 2035A / 02 / 89			P-1 Line Item Number / Title: W60002 / Logistics Automation				Item Number / Title [DODIC]: W11006 / PROPERTY BOOK USER SYSTEM ENHANCED (PBUSE)					

Cost Elements	O C O	FY	Contractor and Location	Method/Type or Funding Vehicle	Location of PCO	Award Date	Date of First Delivery	Qty <i>(Each)</i>	Unit Cost <i>(\$ K)</i>	Specs Avail Now?	Date Revision Available	RFP Issue Date
Hardware Replacement		2014	CHESS / N/A	C / IDIQ	CECOM, Ft Monmouth, NJ	Mar 2014	Jun 2014	-	-	N		
Hardware Integration Support		2014	GSA / Chester, VA	C / FFP	GSA, Chantilly VA	Aug 2014	Aug 2014	1	856.000	N		

Remarks:
Items are COTS/GOTS.

UNCLASSIFIED

Exhibit P-40, Budget Line Item Justification: PB 2016 Army **Date:** February 2015

Appropriation / Budget Activity / Budget Sub Activity: 2035A: Other Procurement, Army / BA 02: Communications and Electronics Equipment / BSA 89: Elect Equip - Tactical C2 Systems	P-1 Line Item Number / Title: BZ9966 / Reconnaissance and Surveying Instrument Set
--	--

ID Code (A=Service Ready, B=Not Service Ready) :	Program Elements for Code B Items:						Other Related Program Elements:					
Resource Summary	Prior Years	FY 2014	FY 2015	FY 2016 Base	FY 2016 OCO	FY 2016 Total	FY 2017	FY 2018	FY 2019	FY 2020	To Complete	Total
Procurement Quantity (Units in Each)	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Cost (\$ in Millions)	60.766	19.341	10.113	16.218	-	16.218	0.307	2.333	16.355	16.519	Continuing	Continuing
Less PY Advance Procurement (\$ in Millions)	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P1) (\$ in Millions)	60.766	19.341	10.113	16.218	-	16.218	0.307	2.333	16.355	16.519	Continuing	Continuing
Plus CY Advance Procurement (\$ in Millions)	-	-	-	-	-	-	-	-	-	-	-	-
Total Obligation Authority (\$ in Millions)	60.766	19.341	10.113	16.218	-	16.218	0.307	2.333	16.355	16.519	Continuing	Continuing
<i>(The following Resource Summary rows are for informational purposes only. The corresponding budget requests are documented elsewhere.)</i>												
Initial Spares (\$ in Millions)	-	-	-	-	-	-	-	-	-	-	-	-
Flyaway Unit Cost (\$ in Thousands)	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Unit Cost (\$ in Thousands)	-	-	-	85.358	-	85.358	-	-	-	-	Continuing	Continuing

Description:

The Instrument Set, Reconnaissance and Surveying (commonly known as ENFIRE) is a tactical engineering tool set designed to modernize the collection and dissemination of engineer related information while minimizing exposure to enemy observation. ENFIRE incorporates the ability to automatically populate field data on digital forms used for road, bridge, hasty minefield, and Improvised Explosive Device (IED) reconnaissance/reporting with relevant information from peripheral devices included in the ENFIRE set. ENFIRE sets are used at the company, platoon, and squad levels as a means to facilitate rapid collection and dissemination of information to commanders in the field. Information may be disseminated via the Battle Command Common Services to other ENFIRE sets and to other Mission Command (MC) systems. ENFIRE also has broad area application as a common computing platform for the engineer platoon; with plans to incorporate the Engineer Rapid Airfield Construction Capability Type 1 software solution.

The long distance laser range finder allows soldiers to quickly and accurately determine a target's bearing and distance from the users' location at a significant standoff range. Used in conjunction with the Defense Advanced Global Positioning System Receiver and ArcMap software, ENFIRE users are able to create overlays of bridges, roads, hasty minefields, and IEDs on digital maps as they collect information related to these targets. Using the video camcorder and digital scanner, ENFIRE users can also collect picture and scanned image files that can be associated with bridge, road, hasty minefield and IED information for reporting purposes. Reports can be generated in hard or soft copy for quick dissemination enabling the "Every Soldier as a Sensor" concept.

ENFIRE also offers agile and adaptive tools to help construction and facilities engineers effectively plan and efficiently undertake projects. ENFIRE's construction site-planning software supports structure design, cut and fills requirements, material needs, and personnel and time requirement calculations. ENFIRE's project management tools can create Gantt charts to track project progress and milestones. ENFIRE provides a bar code scanning capability which makes inventory management faster and more accurate.

ENFIRE Army Acquisition Objective (AAO) = 2748

ENFIRE Hardware and Software are Commercial Off the Shelf (COTS) and Government Off the Shelf (GOTS) procurements.

UNCLASSIFIED

Exhibit P-40, Budget Line Item Justification: PB 2016 Army **Date:** February 2015

Appropriation / Budget Activity / Budget Sub Activity: 2035A: Other Procurement, Army / BA 02: Communications and Electronics Equipment / BSA 89: Elect Equip - Tactical C2 Systems	P-1 Line Item Number / Title: BZ9966 / Reconnaissance and Surveying Instrument Set
--	--

ID Code (A=Service Ready, B=Not Service Ready) :		Program Elements for Code B Items:				Other Related Program Elements:				
Secondary Distribution		FY 2014	FY 2015	FY 2016 Base	FY 2016 OCO	FY 2016 Total	FY 2017	FY 2018	FY 2019	FY 2020
Army	Quantity	-	-	-	-	-	-	-	-	-
	Total Obligation Authority	1.900	0.924	2.608	-	2.608	0.102	0.777	1.355	0.893
ANG	Quantity	-	-	-	-	-	-	-	-	-
	Total Obligation Authority	10.901	5.809	7.562	-	7.562	0.102	0.778	9.500	8.858
AR	Quantity	-	-	-	-	-	-	-	-	-
	Total Obligation Authority	6.540	3.380	6.048	-	6.048	0.103	0.778	5.500	6.768
Total:	Quantity	-	-	-	-	-	-	-	-	-
Secondary Distribution	Total Obligation Authority	19.341	10.113	16.218	-	16.218	0.307	2.333	16.355	16.519

UNCLASSIFIED

Exhibit P-40, Budget Line Item Justification: PB 2016 Army **Date:** February 2015

Appropriation / Budget Activity / Budget Sub Activity: 2035A: Other Procurement, Army / BA 02: Communications and Electronics Equipment / BSA 89: Elect Equip - Tactical C2 Systems	P-1 Line Item Number / Title: BZ9966 / Reconnaissance and Surveying Instrument Set
--	--

ID Code (A=Service Ready, B=Not Service Ready) :			Program Elements for Code B Items:			Other Related Program Elements:		
Exhibits Schedule			Prior Years	FY 2014	FY 2015	FY 2016 Base	FY 2016 OCO	FY 2016 Total
Title*	Exhibits	ID CD	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)
BZ9966 / Reconnaissance and Surveying Instrument Set	P-5, P-5a		- / 60.766	- / 19.341	- / 10.113	- / 16.218	- / -	- / 16.218
Total Gross/Weapon System Cost			- / 60.766	- / 19.341	- / 10.113	- / 16.218	- / -	- / 16.218

*Title represents 1) the Number / Title for Items; 2) the Number / Title [DODIC] for Ammunition; and/or 3) the Number / Title (Modification Type) for Modifications.

Note: Totals in this Exhibit P-40 set may not be exact or add due to rounding.

Justification:
 FY 2016 Base procurement dollars in the amount of \$16.218 million supports procurement of 190 ENFIRE systems for Active Duty, National Guard and Army Reserve Engineer units and includes support for the second year of ENFIRE Technology Refreshment.

In accordance with Section 1815 of the FY 2008 National Defense Authorization Act (P.L. 110-181), this item is necessary for use by the active and reserve components of the Armed Forces for homeland defense missions, domestic emergency responses, and providing military support to civil authorities.

UNCLASSIFIED

Exhibit P-5, Cost Analysis: PB 2016 Army		Date: February 2015
Appropriation / Budget Activity / Budget Sub Activity: 2035A / 02 / 89	P-1 Line Item Number / Title: BZ9966 / Reconnaissance and Surveying Instrument Set	Item Number / Title [DODIC]: BZ9966 / Reconnaissance and Surveying Instrument Set

ID Code (A=Service Ready, B=Not Service Ready) :	MDAP/MAIS Code:
---	------------------------

Resource Summary	Prior Years	FY 2014	FY 2015	FY 2016 Base	FY 2016 OCO	FY 2016 Total
Procurement Quantity (Units in Each)	-	-	-	-	-	-
Gross/Weapon System Cost (\$ in Millions)	60.766	19.341	10.113	16.218	-	16.218
Less PY Advance Procurement (\$ in Millions)	-	-	-	-	-	-
Net Procurement (P1) (\$ in Millions)	60.766	19.341	10.113	16.218	-	16.218
Plus CY Advance Procurement (\$ in Millions)	-	-	-	-	-	-
Total Obligation Authority (\$ in Millions)	60.766	19.341	10.113	16.218	-	16.218

(The following Resource Summary rows are for informational purposes only. The corresponding budget requests are documented elsewhere.)

Initial Spares (\$ in Millions)	-	-	-	-	-	-
Gross/Weapon System Unit Cost (\$ in Thousands)	-	-	-	85.358	-	85.358

Note: Subtotals or Totals in this Exhibit P-5 may not be exact or add, due to rounding.

Cost Elements	Prior Years			FY 2014			FY 2015			FY 2016 Base			FY 2016 OCO			FY 2016 Total		
	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)
Flyaway Cost																		
Recurring Cost																		
ENFIRE Systems ^(†)	21,648.000	2	43.296	60.000	212	12.720	60.000	56	3.360	60.000	190	11.400	-	-	-	60.000	190	11.400
Project Management and Administration	250.000	25	6.250	-	-	0.974	-	-	0.974	-	-	1.229	-	-	-	-	-	1.229
Fielding / New Equipment Training	10.000	96	0.960	-	-	1.376	-	-	1.376	-	-	1.376	-	-	-	-	-	1.376
Engineering and Integration and ILS	2,030.000	5	10.150	-	-	2.650	-	-	3.169	-	-	2.165	-	-	-	-	-	2.165
Spares	2.000	55	0.110	-	-	0.121	-	-	0.026	-	-	0.048	-	-	-	-	-	0.048
Tech Refresh Systems	-	-	-	-	-	1.500	-	-	1.208	-	-	-	-	-	-	-	-	-
Subtotal: Recurring Cost	-	-	60.766	-	-	19.341	-	-	10.113	-	-	16.218	-	-	-	-	-	16.218
Subtotal: Flyaway Cost	-	-	60.766	-	-	19.341	-	-	10.113	-	-	16.218	-	-	-	-	-	16.218
Gross/Weapon System Cost	-	-	60.766	-	-	19.341	-	-	10.113	85.358	-	16.218	-	-	-	85.358	-	16.218

Secondary Distribution		FY 2014	FY 2015	FY 2016 Base	FY 2016 OCO	FY 2016 Total
Army	Quantity	-	-	-	-	-
	Total Obligation Authority	1.900	0.924	2.608	-	2.608
ANG	Quantity	-	-	-	-	-
	Total Obligation Authority	10.901	5.809	7.562	-	7.562

UNCLASSIFIED

Exhibit P-5, Cost Analysis: PB 2016 Army		Date: February 2015
Appropriation / Budget Activity / Budget Sub Activity: 2035A / 02 / 89	P-1 Line Item Number / Title: BZ9966 / Reconnaissance and Surveying Instrument Set	Item Number / Title [DODIC]: BZ9966 / Reconnaissance and Surveying Instrument Set

ID Code (A=Service Ready, B=Not Service Ready) :	MDAP/MAIS Code:
---	------------------------

Secondary Distribution		FY 2014	FY 2015	FY 2016 Base	FY 2016 OCO	FY 2016 Total
AR	Quantity	-	-	-	-	-
	Total Obligation Authority	6.540	3.380	6.048	-	6.048
Total:	Quantity	-	-	-	-	-
Secondary Distribution	Total Obligation Authority	19.341	10.113	16.218	-	16.218

(t) indicates the presence of a P-5a

UNCLASSIFIED

Exhibit P-5a, Procurement History and Planning: PB 2016 Army							Date: February 2015					
Appropriation / Budget Activity / Budget Sub Activity: 2035A / 02 / 89			P-1 Line Item Number / Title: BZ9966 / Reconnaissance and Surveying Instrument Set				Item Number / Title [DODIC]: BZ9966 / Reconnaissance and Surveying Instrument Set					
Cost Elements	O C O	FY	Contractor and Location	Method/Type or Funding Vehicle	Location of PCO	Award Date	Date of First Delivery	Qty (Each)	Unit Cost (\$ K)	Specs Avail Now?	Date Revision Available	RFP Issue Date
ENFIRE Systems		2014	Chenega Technical Inovations / Dumfries, VA	C / FFP	US Army Geospatial Center	Aug 2014	Jan 2015	212	60.000	N		Feb 2014
ENFIRE Systems		2015	TBD / TBD	C / FFP	US Army Geospatial Center	Mar 2015	Jun 2015	56	60.000	N		Mar 2014
ENFIRE Systems		2016	TBD / TBD	C / FFP	US Army Geospatial Center	Nov 2015	Apr 2016	190	60.000	N		

Remarks:
ENFIRE Hardware and Software are 100% COTS/GOTS procurements.

UNCLASSIFIED

Exhibit P-40, Budget Line Item Justification: PB 2016 Army **Date:** February 2015

Appropriation / Budget Activity / Budget Sub Activity: 2035A: Other Procurement, Army / BA 02: Communications and Electronics Equipment / BSA 89: Elect Equip - Tactical C2 Systems	P-1 Line Item Number / Title: B99901 / MOD of In-Svc Equipment (ENFIRE)
--	---

ID Code (A=Service Ready, B=Not Service Ready) :	Program Elements for Code B Items:	Other Related Program Elements:
---	---	--

Resource Summary	Prior Years	FY 2014	FY 2015	FY 2016 Base	FY 2016 OCO	FY 2016 Total	FY 2017	FY 2018	FY 2019	FY 2020	To Complete	Total
Procurement Quantity <i>(Units in Each)</i>	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Cost <i>(\$ in Millions)</i>	-	-	-	1.138	-	1.138	1.577	1.137	1.191	1.983	-	7.026
Less PY Advance Procurement <i>(\$ in Millions)</i>	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P1) <i>(\$ in Millions)</i>	-	-	-	1.138	-	1.138	1.577	1.137	1.191	1.983	-	7.026
Plus CY Advance Procurement <i>(\$ in Millions)</i>	-	-	-	-	-	-	-	-	-	-	-	-
Total Obligation Authority <i>(\$ in Millions)</i>	-	-	-	1.138	-	1.138	1.577	1.137	1.191	1.983	-	7.026

(The following Resource Summary rows are for informational purposes only. The corresponding budget requests are documented elsewhere.)

Initial Spares <i>(\$ in Millions)</i>	-	-	-	-	-	-	-	-	-	-	-	-
Flyaway Unit Cost <i>(\$ in Thousands)</i>	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Unit Cost <i>(\$ in Thousands)</i>	-	-	-	7.438	-	7.438	-	-	-	-	-	2.184

Description:

Mod of In-Svc Equipment Instrument Set, Reconnaissance and Surveying (commonly known as ENFIRE) supports tech refresh of fielded systems. Tech Refresh of ENFIRE is on a five year cycle and is the replacement of the laptop and selected peripherals.

ENFIRE is a tactical engineering tool set designed to modernize the collection and dissemination of engineer related information while minimizing exposure to enemy observation. ENFIRE incorporates the ability to automatically populate field data on digital forms used for road, bridge, hasty minefield, and Improvised Explosive Device (IED) reconnaissance/reporting with relevant information from peripheral devices included in the ENFIRE set. ENFIRE sets are used at the company, platoon, and squad levels as a means to facilitate rapid collection and dissemination of information to commanders in the field. Information may be disseminated via the Battle Command Common Services (BCCS) to other ENFIRE sets and to other Mission Command (MC) systems. ENFIRE also has broad area application as a common computing platform for the engineer platoon; with plans to incorporate the Engineer Rapid Airfield Construction Capability (ERACC) Type 1 software solution.

The long distance laser range finder allows soldiers to quickly and accurately determine a target's bearing and distance from the users' location at a significant standoff range. Used in conjunction with the Defense Advanced GPS Receiver (DAGR) and ArcMap software, ENFIRE users are able to create overlays of bridges, roads, hasty minefields, and IEDs on digital maps as they collect information related to these targets. Using the video camcorder and digital scanner, ENFIRE users can also collect picture and scanned image files that can be associated with bridge, road, hasty minefield and IED information for reporting purposes. Reports can be generated in hard or soft copy for quick dissemination enabling the "Every Soldier as a Sensor" concept.

ENFIRE also offers agile and adaptive tools to help construction and facilities engineers effectively plan and efficiently undertake projects. ENFIRE's construction site-planning software supports structure design, cut and fills requirements, material needs, and personnel and time requirement calculations. ENFIRE's project management tools can create Gantt charts to track project progress and milestones. ENFIRE provides a bar code scanning capability which makes inventory management faster and more accurate.

ENFIRE Army Acquisition Objective (AAO) = 2748 (Department of the Army AAO increase based on a revised Army Force structure of 450,000) ENFIRE Hardware and Software are 100% Commercial Off the Shelf (COTS) and Government Off the Shelf (GOTS) procurements.

This program is a new start in FY 2016.

UNCLASSIFIED

Exhibit P-40, Budget Line Item Justification: PB 2016 Army							Date: February 2015			
Appropriation / Budget Activity / Budget Sub Activity: 2035A: Other Procurement, Army / BA 02: Communications and Electronics Equipment / BSA 89: Elect Equip - Tactical C2 Systems					P-1 Line Item Number / Title: B99901 / MOD of In-Svc Equipment (ENFIRE)					
ID Code (A=Service Ready, B=Not Service Ready) :			Program Elements for Code B Items:				Other Related Program Elements:			

Secondary Distribution		FY 2014	FY 2015	FY 2016 Base	FY 2016 OCO	FY 2016 Total	FY 2017	FY 2018	FY 2019	FY 2020
Army	Quantity	-	-	-	-	-	-	-	-	-
	Total Obligation Authority	-	-	1.138	-	1.138	1.577	1.137	1.191	1.983
Total: Secondary Distribution	Quantity	-	-	-	-	-	-	-	-	-
	Total Obligation Authority	-	-	1.138	-	1.138	1.577	1.137	1.191	1.983

UNCLASSIFIED

Exhibit P-40, Budget Line Item Justification: PB 2016 Army **Date:** February 2015

Appropriation / Budget Activity / Budget Sub Activity: 2035A: Other Procurement, Army / BA 02: Communications and Electronics Equipment / BSA 89: Elect Equip - Tactical C2 Systems	P-1 Line Item Number / Title: B99901 / MOD of In-Svc Equipment (ENFIRE)
--	---

ID Code (A=Service Ready, B=Not Service Ready) :			Program Elements for Code B Items:			Other Related Program Elements:		
Exhibits Schedule			Prior Years	FY 2014	FY 2015	FY 2016 Base	FY 2016 OCO	FY 2016 Total
Title*	Exhibits	ID CD	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)
B99902 / Mod of Reconnaissance and Survey Set	P-40a		- / -	- / -	- / -	153 / 1.138	- / -	153 / 1.138
Total Gross/Weapon System Cost			- / -	- / -	- / -	- / 1.138	- / -	- / 1.138

*Title represents 1) the Number / Title for Items; 2) the Number / Title [DODIC] for Ammunition; and/or 3) the Number / Title (Modification Type) for Modifications.

Note: Totals in this Exhibit P-40 set may not be exact or add due to rounding.

Justification:
 FY 2016 Base procurement dollars in the amount of \$1.138 million supports tech refresh of 153 ENFIRE systems.

In accordance with Section 1815 of the FY 2008 National Defense Authorization Act (P.L. 110-181), this item is necessary for use by the active and reserve components of the Armed Forces for homeland defense missions, domestic emergency responses, and providing military support to civil authorities.

UNCLASSIFIED

Exhibit P-40a, Budget Item Justification For Aggregated Items: PB 2016 Army															Date: February 2015				
Appropriation / Budget Activity / Budget Sub Activity: 2035A / 02 / 89						P-1 Line Item Number / Title: B99901 / MOD of In-Svc Equipment (ENFIRE)									Aggregated Items Title: Various				

Note: Subtotals or Totals in this Exhibit P-40a may not be exact or add, due to rounding.

Item Number / Title [DODIC]	ID CD	MDAP/MAIS Code	Prior Years			FY 2014			FY 2015			FY 2016 Base			FY 2016 OCO			FY 2016 Total		
			Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)
Mod of Reconnaissance and Survey Set																				
B99902 / Mod of Reconnaissance and Survey Set			-	-	-	-	-	-	-	-	-	7.438	153	1.138	-	-	-	7.438	153	1.138
<i>Secondary Distribution</i>																				
Army				-	-		-	-		-			153	1.138		-	-		153	1.138
<i>Subtotal: Mod of Reconnaissance and Survey Set</i>			-	-	-	-	-	-	-	-	-	-	-	1.138	-	-	-	-	-	1.138
Total			-	-	-	-	-	-	-	-	-	-	-	1.138	-	-	-	-	-	1.138

UNCLASSIFIED

Exhibit P-40, Budget Line Item Justification: PB 2016 Army **Date:** February 2015

Appropriation / Budget Activity / Budget Sub Activity: 2035A: Other Procurement, Army / BA 02: Communications and Electronics Equipment / BSA 92: Elect Equip - Automation	P-1 Line Item Number / Title: BE4169 / Army Training Modernization
---	--

ID Code (A=Service Ready, B=Not Service Ready) :			Program Elements for Code B Items:					Other Related Program Elements:				
Resource Summary	Prior Years	FY 2014	FY 2015	FY 2016 Base	FY 2016 OCO	FY 2016 Total	FY 2017	FY 2018	FY 2019	FY 2020	To Complete	Total
Procurement Quantity (Units in Each)	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Cost (\$ in Millions)	288.718	7.318	9.015	12.089	-	12.089	16.319	21.206	17.392	16.707	Continuing	Continuing
Less PY Advance Procurement (\$ in Millions)	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P1) (\$ in Millions)	288.718	7.318	9.015	12.089	-	12.089	16.319	21.206	17.392	16.707	Continuing	Continuing
Plus CY Advance Procurement (\$ in Millions)	-	-	-	-	-	-	-	-	-	-	-	-
Total Obligation Authority (\$ in Millions)	288.718	7.318	9.015	12.089	-	12.089	16.319	21.206	17.392	16.707	Continuing	Continuing
<i>(The following Resource Summary rows are for informational purposes only. The corresponding budget requests are documented elsewhere.)</i>												
Initial Spares (\$ in Millions)	-	-	-	-	-	-	-	-	-	-	-	-
Flyaway Unit Cost (\$ in Thousands)	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Unit Cost (\$ in Thousands)	-	-	-	-	-	-	-	-	-	-	-	-

Description:

Army Training Modernization (ATM) includes three related efforts to acquire Digital Training Facilities (DTF). DTFs allow rapid delivery of high quality instruction to Army personnel. Infrastructure acquired is based on industry standards and complies with the Joint Technical Architecture (JTA) and Defense Information Infrastructure Common Operating Environment (DII COE), where applicable. This assures compatibility with other military services and that commercial, state, and other resources can be leveraged to achieve cost effective solutions to support all Army components.

Specific initiatives include Distributive Training Technology Project (DTTP), Other Training Modernization, and the Distributed Learning System (DLS). DTTP and DLS will provide approximately 549 modern distance learning (DL) enabled DTFs and associated supporting infrastructure to augment training at existing resident Army schools. Moreover, DLS has fielded 31 Deployed Digital Training Campus (DDTC) to allow training while units are deployed. This allows Army to both increase the number of Army personnel receiving required training and the amount of training that can be provided to each individual. ATM provides a cost effective solution for training Army personnel. Supported training enhancements will help reduce the current backlog of Military Operational Specialty (MOS) training. Army can significantly increase levels of MOS qualification, hence readiness, with standardized Army courseware delivered through Distributed Learning (DL) technology. Implementation of these technology enablers reduce resident training requirements and Soldiers spend less time in the training base and more time in units, thereby increasing readiness. ATM delivers standardized training to Active Component (AC) and Reserve Component (RC) Soldiers and Department of the Army Civilians (DAC). The DTTP/DLS provide infrastructure for Soldiers to train at or near their assigned station in lieu of resident training at Army schools.

Other Training Modernization supports the National Technical Nuclear Forensics need for a recurring equipment requirement associated with a radiation sensor capability, including the need to upgrade evolving commercial off the shelf detection assets and supporting equipment. This equipment is required at the institution in order to meet an evolving training requirement associated with the National Technical Nuclear Forensics-Ground Sampling Mission (NTNF-GSM). The NTNF-GSM is a supporting mission to the strategic national task 9.1.7 (Support Chemical, Biological, Radiological, and Nuclear (CBRN) Forensics and Attribution). The NTNF-GSM requires the Army to support an interagency incident investigation; in support of the FBI or lead federal agency (LFA), by performing ground sampling of radiological and nuclear material as directed. Additionally, this supports the Army Career Tracker (ACT). ACT is a leader development tool which provides Army personnel the ability to manage their professional development and to monitor progress toward training, education, and career goals. ACT supports the following Strategic Alignments: The Army Leader Development Strategy; Army Learning Model; The Army Transition Program; The Army Sponsorship Program; Annex O, Army Campaign Plan: Civilian Workforce Transformation; and HQDA EXORD 054-12 ISO Army Transition mandates that leaders utilize roles in ACT to promote life-long learning and development opportunities throughout the Soldier's lifecycle of service (hire to retire).

UNCLASSIFIED

Exhibit P-40, Budget Line Item Justification: PB 2016 Army **Date:** February 2015

Appropriation / Budget Activity / Budget Sub Activity: 2035A: Other Procurement, Army / BA 02: Communications and Electronics Equipment / BSA 92: Elect Equip - Automation	P-1 Line Item Number / Title: BE4169 / Army Training Modernization
---	--

ID Code (A=Service Ready, B=Not Service Ready) :		Program Elements for Code B Items:				Other Related Program Elements:				
Secondary Distribution		FY 2014	FY 2015	FY 2016 Base	FY 2016 OCO	FY 2016 Total	FY 2017	FY 2018	FY 2019	FY 2020
Army	Quantity	-	-	-	-	-	-	-	-	-
	Total Obligation Authority	7.318	9.015	12.089	-	12.089	16.319	21.206	17.392	16.707
Total: Secondary Distribution	Quantity	-	-	-	-	-	-	-	-	-
	Total Obligation Authority	7.318	9.015	12.089	-	12.089	16.319	21.206	17.392	16.707

UNCLASSIFIED

Exhibit P-40, Budget Line Item Justification: PB 2016 Army **Date:** February 2015

Appropriation / Budget Activity / Budget Sub Activity: 2035A: Other Procurement, Army / BA 02: Communications and Electronics Equipment / BSA 92: Elect Equip - Automation	P-1 Line Item Number / Title: BE4169 / Army Training Modernization
---	--

ID Code (A=Service Ready, B=Not Service Ready) :			Program Elements for Code B Items:			Other Related Program Elements:		
Exhibits Schedule			Prior Years	FY 2014	FY 2015	FY 2016 Base	FY 2016 OCO	FY 2016 Total
Title*	Exhibits	ID CD	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)
BE4171 / DISTRIBUTIVE TRAINING TECHNOLOGY	P-40a		- / 53.190	- / -	- / 2.867	- / 2.454	- / -	- / 2.454
BE4172 / OTHER TRAINING MODERNIZATION	P-40a		- / 68.145	- / 0.056	- / 0.779	- / 0.038	- / -	- / 0.038
BE4173 / Distributed Learning System (DLS)	P-5, P-5a		- / 167.383	- / 7.262	- / 5.369	- / 9.597	- / -	- / 9.597
Total Gross/Weapon System Cost			- / 288.718	- / 7.318	- / 9.015	- / 12.089	- / -	- / 12.089

*Title represents 1) the Number / Title for Items; 2) the Number / Title [DODIC] for Ammunition; and/or 3) the Number / Title (Modification Type) for Modifications.

Note: Totals in this Exhibit P-40 set may not be exact or add due to rounding.

Justification:
 FY16 Base procurement dollars in the amount of \$9.597 million funds the DLS Enterprise Technology Refreshment (Tech Refresh) program in support of all increments (DTF, EMC, ALMS, and DDTC). Tech Refresh extends the service life by staying ahead of the obsolescence curve with cost-effective planned technology upgrades, refreshers, and insertions, based on market research and system performance requirements (current and projected). With the advance of information technology, it is critical that Tech Refresh be maintained to assure continued supportability of the DLS Enterprise and to avoid disruption of Army Training.

FY 2016 Base procurement dollars in the amount of \$2.454 million supports system integration and technical refresh for 18 of the Program's 334 DL Classrooms. Many of the DL Classrooms have workstations, audio/video equipment, and printers that are well past their end of life and need technical refresh to comply with heightened Cybersecurity standards and new network infrastructure to ensure their continued availability and capability to meet current and emerging training and readiness requirements for the ARNG's State and Federal missions.

FY 2016 Base procurement dollars in the amount of 0.038 million supports specialized radiation detection equipment, required by personnel operating complex systems in a safe manner. Without this equipment, training cannot be accomplished. Annex IV to National Security Planning Directive (NSPD)-17/Homeland Security Planning Directive (HSPD)-4, National Strategy to Combat Weapons of Mass Destruction-National Technical Nuclear Forensics (U-title), dated 14 September 2002, directed the Department of Defense and Other US Government Departments to support NTNF-GSM. Department of Defense Directive (DoD) S-2060.04 DoD Support to the National Technical Nuclear Forensics Program (U-title), 1 April 2009, further tasks Department of the Army to support NTNF-GSM. The US Army Training and Doctrine Command (TRADOC) as the US Army proponent for training, doctrine, and force development further delegated those matters concerning NTNF-GSM to the Maneuver Support Center of Excellence (MSCoE) and the US Army Chemical Biological Radiological Nuclear School (USACBRNS) National Technical Nuclear Forensics-Ground Sampling Mission. This is a military-unique capability that can be provided by the Department of Defense to support civil authorities in an incident of national significance.

All funding goes to the active component.

UNCLASSIFIED

Exhibit P-40a, Budget Item Justification For Aggregated Items: PB 2016 Army															Date: February 2015				
Appropriation / Budget Activity / Budget Sub Activity: 2035A / 02 / 92							P-1 Line Item Number / Title: BE4169 / Army Training Modernization								Aggregated Items Title: Various				

Note: Subtotals or Totals in this Exhibit P-40a may not be exact or add, due to rounding.

Item Number / Title [DODIC]	ID CD	MDAP/MAIS Code	Prior Years			FY 2014			FY 2015			FY 2016 Base			FY 2016 OCO			FY 2016 Total		
			Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)
DISTRIBUTIVE TRAINING TECHNOLOGY																				
BE4171 / DISTRIBUTIVE TRAINING TECHNOLOGY			-	-	53.190	-	-	-	-	-	2.867	-	-	2.454	-	-	-	-	-	2.454
<i>Secondary Distribution</i>																				
Army			-	-	-	-	-	-	-	-	2.867	-	-	2.454	-	-	-	-	-	2.454
BE4172 / OTHER TRAINING MODERNIZATION			-	-	68.145	-	-	0.056	-	-	0.779	-	-	0.038	-	-	-	-	-	0.038
<i>Secondary Distribution</i>																				
Army			-	-	-	-	0.056	-	-	0.779	-	-	0.038	-	-	-	-	-	-	0.038
<i>Subtotal: DISTRIBUTIVE TRAINING TECHNOLOGY</i>			-	-	121.335	-	-	0.056	-	-	3.646	-	-	2.492	-	-	-	-	-	2.492
Total			-	-	121.335	-	-	0.056	-	-	3.646	-	-	2.492	-	-	-	-	-	2.492

UNCLASSIFIED

Exhibit P-5, Cost Analysis: PB 2016 Army		Date: February 2015
Appropriation / Budget Activity / Budget Sub Activity: 2035A / 02 / 92		P-1 Line Item Number / Title: BE4169 / Army Training Modernization
		Item Number / Title [DODIC]: BE4173 / Distributed Learning System (DLS)

ID Code (A=Service Ready, B=Not Service Ready) :	MDAP/MAIS Code:
---	------------------------

Resource Summary	Prior Years	FY 2014	FY 2015	FY 2016 Base	FY 2016 OCO	FY 2016 Total
Procurement Quantity (Units in Each)	-	-	-	-	-	-
Gross/Weapon System Cost (\$ in Millions)	167.383	7.262	5.369	9.597	-	9.597
Less PY Advance Procurement (\$ in Millions)	-	-	-	-	-	-
Net Procurement (P1) (\$ in Millions)	167.383	7.262	5.369	9.597	-	9.597
Plus CY Advance Procurement (\$ in Millions)	-	-	-	-	-	-
Total Obligation Authority (\$ in Millions)	167.383	7.262	5.369	9.597	-	9.597

(The following Resource Summary rows are for informational purposes only. The corresponding budget requests are documented elsewhere.)

Initial Spares (\$ in Millions)	-	-	-	-	-	-
Gross/Weapon System Unit Cost (\$ in Thousands)	-	-	-	-	-	-

Note: Subtotals or Totals in this Exhibit P-5 may not be exact or add, due to rounding.

Cost Elements	Prior Years			FY 2014			FY 2015			FY 2016 Base			FY 2016 OCO			FY 2016 Total		
	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)
Flyaway Cost																		
Recurring Cost																		
System Fielding & Implementation ^(†)	13,709.000	3	41.127	1,073.000	1	1.073	1,093.500	1	1.094	1,406.000	1	1.406	-	-	-	1,406.000	1	1.406
Army Learning Management System ^(†)	17,153.000	2	34.306	1,455.000	1	1.455	1,254.000	1	1.254	4,949.000	1	4.949	-	-	-	4,949.000	1	4.949
Enterprise Technology Refreshment ^(†)	30,650.000	3	91.950	4,734.000	1	4.734	3,021.500	1	3.022	3,242.000	1	3.242	-	-	-	3,242.000	1	3.242
<i>Subtotal: Recurring Cost</i>	-	-	167.383	-	-	7.262	-	-	5.369	-	-	9.597	-	-	-	-	-	9.597
<i>Subtotal: Flyaway Cost</i>	-	-	167.383	-	-	7.262	-	-	5.369	-	-	9.597	-	-	-	-	-	9.597
Gross/Weapon System Cost	-	-	167.383	-	-	7.262	-	-	5.369	-	-	9.597	-	-	-	-	-	9.597

Secondary Distribution		FY 2014	FY 2015	FY 2016 Base	FY 2016 OCO	FY 2016 Total
Army	Quantity	-	-	-	-	-
	Total Obligation Authority	7.262	5.369	9.597	-	9.597
Total: Secondary Distribution	Quantity	-	-	-	-	-
	Total Obligation Authority	7.262	5.369	9.597	-	9.597

(†) indicates the presence of a P-5a

UNCLASSIFIED

Exhibit P-5a, Procurement History and Planning: PB 2016 Army							Date: February 2015					
Appropriation / Budget Activity / Budget Sub Activity: 2035A / 02 / 92			P-1 Line Item Number / Title: BE4169 / Army Training Modernization				Item Number / Title [DODIC]: BE4173 / Distributed Learning System (DLS)					

Cost Elements	O C O	FY	Contractor and Location	Method/Type or Funding Vehicle	Location of PCO	Award Date	Date of First Delivery	Qty <i>(Each)</i>	Unit Cost <i>(\$ K)</i>	Specs Avail Now?	Date Revision Available	RFP Issue Date
System Fielding & Implementation		2014	Info Sys Engr Cmd / Ft. Detrick, MD	MIPR	CECOM, Ft Detrick, MD	Oct 2013	Oct 2013	1	1,073.000	N		
System Fielding & Implementation		2015	Info Sys Engr Cmd / Ft. Detrick, MD	MIPR	CECOM, Ft Detrick, MD	Oct 2014	Oct 2014	1	1,093.500	N		
System Fielding & Implementation		2016	Info Sys Engr Cmd / Ft. Detrick, MD	MIPR	CECOM, Ft Detrick, MD	Oct 2015	Oct 2015	1	1,406.000	N		
Army Learning Management System		2014	ActioNet / Vienna, VA	C / FFP	MICC, Ft Eustis, VA	Apr 2014	Apr 2014	1	1,455.000	N		
Army Learning Management System		2015	Various Vendors ** / Various Locations	C / FFP	MICC, Ft Eustis, VA	Mar 2015	Mar 2015	1	1,254.000	N		
Army Learning Management System		2016	Various Vendors ** / Various Locations	C / FFP	MICC, Ft Eustis, VA	Mar 2016	Mar 2016	1	4,949.000	N		
EnterpriseTechnology Refreshment		2014	CDW Government LLC / Vernon Hills, IL	C / FFP	MICC, Ft Eustis, VA	May 2014	May 2014	1	4,734.000	N		
EnterpriseTechnology Refreshment		2015	Various Vendors ** / Various Locations	C / FFP	MICC, Ft Eustis, VA	Apr 2015	Apr 2015	1	3,021.500	N		
EnterpriseTechnology Refreshment		2016	Various Vendors ** / Various Locations	C / FFP	MICC, Ft Eustis, VA	Apr 2016	Apr 2016	1	3,242.000	N		

Remarks:

Various Vendors: vendors servicing aspects of the Army Learning Management Systems (ALMS) enhancements and the DLS Enterprise Technology Refreshment are GTSI Corp, Chantilly, VA; CDW Government, Inc., Vernon Hills, IL; Sprint, Reston, VA; and Spiritech, Inc., Warren, MI, Betis Group, Arlington, VA. The Distributive Learning System (DLS) Enterprise Technology Refreshment addresses replacement or upgrading of critical information technology components throughout the DLS enterprise system. It is anticipated that this continuing requirement will be serviced by a variety of contractor entities in the future. Items are COTS/GOTS.

UNCLASSIFIED

Exhibit P-40, Budget Line Item Justification: PB 2016 Army **Date:** February 2015

Appropriation / Budget Activity / Budget Sub Activity: 2035A: Other Procurement, Army / BA 02: Communications and Electronics Equipment / BSA 92: Elect Equip - Automation	P-1 Line Item Number / Title: BD3000 / Automated Data Processing Equip
--	--

ID Code (A=Service Ready, B=Not Service Ready) :	Program Elements for Code B Items:						Other Related Program Elements:					
Resource Summary	Prior Years	FY 2014	FY 2015	FY 2016 Base	FY 2016 OCO	FY 2016 Total	FY 2017	FY 2018	FY 2019	FY 2020	To Complete	Total
Procurement Quantity (Units in Each)	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Cost (\$ in Millions)	3,406.271	162.741	152.282	105.775	0.652	106.427	126.781	157.621	152.710	182.853	Continuing	Continuing
Less PY Advance Procurement (\$ in Millions)	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P1) (\$ in Millions)	3,406.271	162.741	152.282	105.775	0.652	106.427	126.781	157.621	152.710	182.853	Continuing	Continuing
Plus CY Advance Procurement (\$ in Millions)	-	-	-	-	-	-	-	-	-	-	-	-
Total Obligation Authority (\$ in Millions)	3,406.271	162.741	152.282	105.775	0.652	106.427	126.781	157.621	152.710	182.853	Continuing	Continuing
<i>(The following Resource Summary rows are for informational purposes only. The corresponding budget requests are documented elsewhere.)</i>												
Initial Spares (\$ in Millions)	-	-	-	-	-	-	-	-	-	-	-	-
Flyaway Unit Cost (\$ in Thousands)	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Unit Cost (\$ in Thousands)	-	-	-	-	-	-	-	-	-	-	-	-

Description:

This budget line does not procure weapons systems or produce end items for weapons systems. All information technology (IT) procurements consist of COTS/GOTS solutions; all quantities and unit costs vary by system configuration and site.

The Automated Data Processing Equipment (ADPE) 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. A stable modernization program is essential to maintain efficiency, increase productivity, and reduce operation and maintenance costs through technological advancement. The Army's modernization strategy to support its warfighting forces in the 21st Century leverages and aligns the use of automation technology to consolidate, streamline, and modernize its management information systems to support Command, Control, Communications, Computers (C4) for the Warfighter, power projection strategies, battle space awareness, Army Transformation, home station and modularity capabilities, focused logistics, and downsized force structures. Modernization plans flow from strategic planning (mission needs) and ensure standardization, interoperability, and systemic replacement of equipment that is obsolete due to technology changes, reliability, and serviceability. The ADPE program provides combat service support to the Warfighter in the areas of command and control, logistics, personnel, and other sustaining base functions.

ARMY DATA CENTER CONSOLIDATION PROGRAM:

ARMY DATA CENTER CONSOLIDATION PROGRAM (ADCCP): The ADCCP executes the Presidential, Office of Management and Budget Federal Data Center Consolidation Initiative, DoD directives, and the Army Execute Order for data center consolidation. The ADCCP will decrease the Army's information technology infrastructure and application inventory to gain fiscal efficiencies, reduce exposure to cyber exploitation, streamline information operations, and achieve centralized hosting services while migrating to a discrete number of Operating Environments. The ADCCP implements the Common Operating Environments for fixed-site Core Data Centers that allow for standardized Network Operations (NetOps) and functional commands' virtualization and migration of applications to support such initiatives as the Joint Information Environment (JIE). This establishes the Data Center Computing Environment, standardized local NetOps environments, and associated server environments necessary for the phased closure of 534 geographically dispersed data centers and migration of myriad Army applications to Defense Information Systems Agency Core Data Centers.

OPTICAL DIGITAL EQUIPMENT:

ARMY RECORDS INFORMATION MANAGEMENT SYSTEM (ARIMS): The ARIMS is the Department of the Army's enterprise record keeping system. It is used to identify, collect, preserve, and retrieve electronic record information and index hard copy records with retention periods ranging from 7 to 150 years in 130 Army-owned Records Holding Areas and 16 Federal Records Centers. With over 54,000 users, ARIMS provides the central capability for sharing information that documents the conduct of the Army's business, contingency and war-time operations, and ensures economy and efficiency in documenting Army policies, decisions, and operations. The ARIMS web-based tools reduce the administrative burden of the Warfighter, ensure that the Army's official and historical records are preserved, improve and sustain legitimate access to Army records, and promote compliance with governing statutes. The ARIMS supports Army-wide record management activities, including those addressing Department

UNCLASSIFIED

Exhibit P-40, Budget Line Item Justification: PB 2016 Army		Date: February 2015
Appropriation / Budget Activity / Budget Sub Activity: 2035A: Other Procurement, Army / BA 02: Communications and Electronics Equipment / BSA 92: Elect Equip - Automation		P-1 Line Item Number / Title: BD3000 / Automated Data Processing Equip
ID Code (A=Service Ready, B=Not Service Ready) :	Program Elements for Code B Items:	Other Related Program Elements:
<p>of Army responsibilities under the Freedom of Information Act (FOIA), the Privacy Act, Executive Order 13526 Declassification requirements, and the Army's combat records research role as the Department of Defense Executive Agent for Post Traumatic Stress Disorder (PTSD) and other health related claims filed by Veterans. Specialized record collections include Gulf War Declassification, Operation Enduring Freedom, Operation Iraqi Freedom, Operation New Dawn, and other contingency operations. Technology refresh ensures the Army's records comply with statutory and regulatory requirements, preserves individual record integrity, mitigates the risk of historical information loss, and ensures official Army records are available for Congressional, Government Accountability Office, Executive Branch, and FOIA requirements. Under the Army Data Center Consolidation Plan (ADCCP) initiative, ARIMS is identified as an Army application pending data center 'hosting' disposition.</p> <p>INTERACTIVE PERSONNEL ELECTRONIC RECORDS MANAGEMENT SYSTEM (iPERMS): The iPERMS supports the Army's military personnel management mission on a 24 hours a day/7 days a week basis as required by Titles 10 and 44 US Code and DoD Directive 5015.2. The iPERMS is the Records Management Application (RMA) for the Army Military Human Resource Record (AMHRR), also known as the Official Military Personnel File (OMPF). It is used by Army Human Resource Managers and Soldiers throughout the world as the authoritative source for Army personnel documents and is also the repository for Soldier pay-substantiating documents. The documents in iPERMS are critical to the Army's Promotion, Command, and School Selection Board processes for both Enlisted and Officer Soldiers, and Army Audit Readiness. Over 160 million AMHRR/OMPF documents in iPERMS support the Active Army, Army Reserve, and Army National Guard personnel functions at all command levels and are available to the individual Soldier via web access. Currently, 4 million personnel files are supported by iPERMS and the number of files increases each year; the system also supports other activities such as the Department of Veteran Affairs, Department of Labor, and Federal, State, and local Law Enforcement agencies. The iPERMS will interface directly with, but not be subsumed by, the Integrated Personnel and Pay System-Army (IPPS-A). This program is linked to RDTE Program Element 0605013A, Project Number T05, Project Title Army Business System Modernization Initiatives.</p> <p>STRATEGIC LOGISTICS PROGRAM: LOGISTICS TECHNOLOGY ASSESSMENT (LTA) (FORMERLY EMERGING LOGISTICS TECHNOLOGIES (ELT)): LTA invests in innovative information technology solutions that improve Army logistics processes by reducing demand and/or creating logistics efficiencies. Funding is required to procure GOTS/COTS products and integrate them in a field-based system of systems environment maintained at Joint Base McGuire-Dix-Lakehurst, NJ, for use and implementation planning. Solutions to be procured and integrated include mobile application to automate the capture and processing of fuel and ammunition consumption and delivery, mobile and head-worn devices to automate maintenance operations, and Condition Based Maintenance (CBM) solutions that wirelessly transmit health and usage data off of Army platforms. LTA will ensure that targeted tactical solutions interoperate with the logistics applications maintained at Army Data Centers, such as the Army's Enterprise Resources Planning (ERP) environment, and that they communicate over standard Army Networks maintained at Joint Base McGuire-Dix-Lakehurst. This program directly supports Army Operating Concept requirements to create logistics efficiencies and reduce demand, thus enabling the Army to maintain equipment readiness with reduced logistics footprint and costs.</p> <p>HQ MANAGEMENT INFORMATION SYSTEMS: HEADQUARTERS, DEPARTMENT OF THE ARMY AUTOMATED DATA PROCESSING EQUIPMENT (HQDA ADPE): The HQDA ADPE provides the Headquarters Enterprise Network (HEN) end user computing, application, and Video Teleconferencing environments. The HEN supports more than 14,000 users in over 80 Army directorates and agencies in the Pentagon and National Capital Region including both classified and unclassified end user device support. Systems provide the back-end server and data storage to support the virtualized desktop as a service infrastructure. This converged and virtualized platform enables Army to avoid costly maintenance of individual desktops by deploying a reduced number of disparate user images directly from the server for better management of security patching, improved software license and version control, and ability of HQDA staff to work from remote locations. The HEN also supports Internet Protocol(IP)-based Video Teleconferencing (VTC) systems, which offer a significant improvement in reliability and availability for remote collaboration. The robust IP-based VTC environment helps eliminate costly dedicated Integrated Services Digital Network (ISDN) lines and unreliable ISDN-based systems, and also enables a significant reduction in local and temporary duty travel costs.</p> <p>PENTAGON INFORMATION TECHNOLOGY INFRASTRUCTURE (PITI): The PITI provides network transport for all Services and Agencies in the Pentagon at all security classification levels. This program includes comprehensive network security, computer network defense, and intrusion detection at the DoD Information Networks Pentagon edge. It also provides the Pentagon Installation Processing Node (IPN) with full spectrum computing and data management, data storage, replication, recovery, and back-up. The PITI also provides the organizational messaging node for DoD and replaces existing firewalls with the joint computer network defense architecture for the Pentagon node. Life Cycle Replacement of the Pentagon's core network infrastructure is critical; it replaces aging equipment from the Pentagon infrastructure renovation 6 to 10 years ago and will minimize the risk for increased occurrences/durations of widespread network outages and higher maintenance costs. The program also provides the capacity needed to meet the Joint Information Environment bandwidth requirements based on the virtualization and continuing alignment of Enterprise services at DoD Core Data Centers.</p> <p>STRATEGIC COMMAND CENTERS (SCC): The SCC provides core Command, Control, Communications, and Computers (C4) infrastructure for Joint, Coalition and Interagency C4 capabilities at Army and Army supported command centers. These include European Command (EUCOM), US Africa Command (AFRICOM), US Forces Korea (USFK), Joint Special Operations Command (JSOC), Southern Command (SOUTHCOM), HQDA Army Operations Center (AOC), and the Alternate National Military Command Center (ANMCC)-Site R. Specifically, SCC provides resources for Army supported Combatant Commander</p>		

UNCLASSIFIED

Exhibit P-40, Budget Line Item Justification: PB 2016 Army		Date: February 2015
Appropriation / Budget Activity / Budget Sub Activity: 2035A: Other Procurement, Army / BA 02: Communications and Electronics Equipment / BSA 92: Elect Equip - Automation		P-1 Line Item Number / Title: BD3000 / Automated Data Processing Equip
ID Code (A=Service Ready, B=Not Service Ready) :	Program Elements for Code B Items:	Other Related Program Elements:
<p>(COCOM) C4 infrastructure in support of other IT programs of record (POR) such as the Global Command and Control System (GCCS) Family of Systems (FoS). The SCC provides core C4 infrastructure for Joint and COCOM sites to include system and technical facilities, Protected Distribution Systems, and site preparation for other support equipment such as Video Teleconference (VTC), data, voice, displays, audio-visual equipment, cabling, and lighting. This infrastructure supports COCOM requirements for Command and Control (C2) operations and worldwide Information Assurance and Security Assistance. These sites are designated as key National Military Command System (NMCS) Command Centers and are required to operate 24 hours a day/7 days a week.</p> <p>LEGAL AUTOMATION ARMY-WIDE SYSTEM (LAAWS): The LAAWS is the Army Judge Advocate General's Corps (JAGC) Knowledge Management System that provides critical strategic communications, legal resources, and mission support for garrison and deployed legal operations, Active and Reserve legal personnel, and mission planning and execution. The LAAWS consists of web-enabled legal databases and applications accessible worldwide on JAGCNet (the Army JAGC web portal). It also provides legal resources and research capabilities for the full range of functional areas (international law, military justice, claims, administrative law, and litigation) for off-line and stand-alone legal support requirements. The Judge Advocate Warfighting System (JAWS) provides remote access to JAGCNet. LAAWS/JAWS is the single system that provides critical legal resources to deployed Army JAGC personnel when advising commanders and activities on statutory and regulatory requirements. Sensitive information resides in LAAWS including Health Insurance Portability and Accountability Act (HIPAA) information concerning medical care recovery and other tort/claims actions; personally identifiable information (PII); For Official Use Only (FOUO); and Law Enforcement Sensitive information. Operational support provided by LAAWS/JAWS includes lawful targeting, compliance with the Law of War, negotiation and preparation of international agreements and treaties, conduct of legal tribunals, claims processing, and preparation of soldier documents such as wills and powers of attorney.</p> <p>MACOM AUTOMATION SYSTEMS: ARMY COMPUTING INFRASTRUCTURE (ACI): The ACI resources equipment that provides for Joint Information Environment (JIE)-defined Army Installation Service or Processing Nodes based on required capacity at Army installations in Continental United States and Outside Continental United States. The infrastructure that ACI procures is comprised of the Common Operating Environment, Network Operations tools, and the ancillary equipment and software vital to standardizing, managing, maintaining, and securing local installation nodes and networks. This program supports the ongoing Army Data Center Consolidation Program (ADCCP), which is an approved data center information technology inventory reduction and standardization program sanctioned by Army governance bodies and in accordance with Federal and DoD CIO guidelines.</p> <p>BATTLE LAB COLLABORATIVE SIMULATION ENVIRONMENT (BLCSE): The BLCSE is a deliberate program for developing and evaluating new warfighting concepts and capabilities prior to committing resources. The principal method used by BLCSE is experimentation placing Soldiers and Leaders in situations representing complex future operational environments. The BLCSE is the key modeling and simulation technical architecture. The BLCSE is a secure data network and a federation of proven constructive and virtual simulations that provide a persistent, coherent, and integrated synthetic experimentation environment. The BLCSE uses approved scenarios, authoritative performance data, and validated simulations to ensure quantifiable, efficient analyses to help validate concepts and to support Army decisions. The BLCSE provides collaborative and distributed capability and network connectivity to Army and Training and Doctrine Command (TRADOC) Battle Labs and the TRADOC Analysis Center. The BLCSE provides substantial cost avoidance by providing an enterprise solution that consolidates network capabilities while reducing travel, shipping, equipment, and facility costs required to support the Army Experimentation Program. The BLCSE network will be a key enabler as part of the Army Experimentation of Force 2025 Maneuvers in developing the concepts that will ultimately lead to the determination and fielding of the required capabilities to deliver Force 2025 and Beyond.</p> <p>US ARMY TRAINING AND DOCTRINE COMMAND (TRADOC) INSTITUTIONAL ARMY BATTLE COMMAND SYSTEM (ABCS) TRAINING BASE (TIABCSTB): The Army approved Mission Command Training Strategy (MCTS) is focused at the Doctrine, Organization, Training, Material, Leadership and Education, Personnel, and Facilities (DOTMLPF) implication of the Army Battle Command Systems (ABCS) which are the principal digital Command and Control (C2) system for battlefield commanders from battalion to corps. The ABCS consists of the Global Command and Control System Army (GCCS-A), Advanced Field Artillery Tactical Data System (AFATDS), All Source Analysis System (ASAS), Battle Command Sustainment Support System (BCS3), Army Missile Defense Warning System (AMDWS), Maneuver Control System (MCS), Force XXI Battle Command Brigade and Below (FBCB2), and Tactical Airspace Information System (TAIS). This program enables commanders, battle staff, and Soldiers to exploit new digital command and control capabilities on the battlefield. The institutional Battle Command Training and Distributed System (BCT&DS) is integral to the MCTS while supporting the operational forces Active Army, National Guard, and Army Reserve digital training requirements in real time within a networked Army Battle Command (ABC) learning environment. It is designed, developed, and engineered to support institutional operational adaptation. It enables the TRADOC institutional training domain to accomplish 24 hours a day/7 days a week training in support of the Army Campaign Plan. This infrastructure can demonstrate and exercise digital battle command and staff functions, integrating live, virtual, constructive multi-media educational assets, and conduct robust individual and collective training events exercises. The BCT&DS is a subset of the institutional Mission Command Art & Sciences Program (MCASP) and supports the Army Mission Command Training Strategy. This BCT&DS capability is provided at specified TRADOC schools.</p>		

UNCLASSIFIED

Exhibit P-40, Budget Line Item Justification: PB 2016 Army		Date: February 2015
Appropriation / Budget Activity / Budget Sub Activity: 2035A: Other Procurement, Army / BA 02: Communications and Electronics Equipment / BSA 92: Elect Equip - Automation		P-1 Line Item Number / Title: BD3000 / Automated Data Processing Equip
ID Code (A=Service Ready, B=Not Service Ready) :	Program Elements for Code B Items:	Other Related Program Elements:
<p>ARMY TRAINING INFORMATION ARCHITECTURE (ATIA) (FORMERLY ARMY TRAINING INFORMATION SYSTEM (ATIS): The ATIA infrastructure provides the operational environment supporting the Army's learning management systems, the Central Army Registry (CAR) Training Development Capability (TDC), and system interfaces to the Army Training Requirements and Resources System (ATRRS). These systems are the official repository of Army training products and services in accordance with Army Regulation 25-30 and TRADOC Regulation 350-70. The ATIA facilitates mission information infrastructure critical to all Army training development and management. The ATIA is used by over 480,000 Active, Guard, and Reserve Soldiers and trainers in residence and is available to deployed Soldiers via distance learning.</p> <p>ACADEMIC NETWORK VIRTUALIZATION (ANV): The Defense Language Institute Foreign Language Center (DLIFLC) academic network provides high-speed access to authentic language materials accelerating language acquisition for DoD linguists. The network provides virtualized desktop capability on mobile computing platforms to improve efficiency and security. The academic network leverages mobile computing technology to improve time on task for the DLIFLC student population. The DLIFLC has directly correlated both the speed of language acquisition and proficiency levels reached by students to the amount of exposure students have to authentic language content. The intent is to recapitalize the investment to ensure the continued functionality of the current mobile technology fleet by delivering virtual desktop capability through the student mobile devices. This will be accomplished through the replacement of end-of-life equipment to provide better virtual learning opportunities to the total force through immersive training events delivered via the web and mobile applications as well as language training detachments.</p> <p>STANDARD PROCUREMENT SYSTEM (SPS) PAPERLESS CONTRACTING: The SPS is the DoD electronic contract writing system that provides a standard contracting capability consistent with the Army and DoD architectures. The SPS supports procurement and contracting business systems that capture contracting data and reports information from procurement and contracting activities to Congress, DoD, and Army leadership. Army base installation, weapon systems, medical services, intelligence, construction, inventory control, expeditionary and contingency contracting offices use SPS to support the Army's global contracting operations worldwide. The DoD and Army transformation plans mandate reduction and consolidation of servers for camps, posts, and stations by 30-50%. The SPS is scheduled to be retired in September 2018 and replaced by the Army Contract Writing System (ACWS) within an Enterprise Resource Planning (ERP) environment.</p> <p>ACQUISITION, LOGISTICS, AND TECHNOLOGY ENTERPRISE SYSTEMS AND SERVICES (ALTESS): ALTESS provides enterprise-class, core data center services including hosting and support for approved Army and DoD systems. In addition to hosting, ALTESS provides information management, technology, and assurance to Army and DoD Joint Services organizations. ALTESS performs full life cycle support and services for enterprise solutions and hosting services in secure environments; it is a cornerstone of the Army's Data Center Computing Environment (DCCE). The ALTESS facility is equipped to host state-of-the-art, high density computing environments. Technical refresh of core infrastructure components are completed annually on different parts of the hosting infrastructure to maintain current support as required by Information Assurance regulations. Strategic investments in the ALTESS highly efficient and manageable infrastructure will provide the baseline capability required to satisfy the mission of the DCCE initiatives.</p> <p>U.S. AFRICA COMMAND (AFRICOM) HEADQUARTERS (HQ) AUTOMATED DATA PROCESSING EQUIPMENT (ADPE) (FORMERLY JOINT INFORMATION ENVIRONMENT-EUROPE): The AFRICOM HQ ADPE provides the end user computing and application environments for AFRICOM. It supports users at Kelly Barracks, Germany, and Molesworth, United Kingdom, with both classified and unclassified computing capabilities. Systems and services include information assurance and security to further automate infrastructure scanning and patching to identify security vulnerabilities, take corrective actions, and investigate security incidents. It provides unified communications servers integrating voice, teleconferencing, video teleconferencing, collaboration, and messaging services to improve the ability to accomplish work at distributed locations. The video infrastructure supports increasing requirements for high definition video. Centralized management and control of servers and virtual servers will improve capabilities and reduce the physical footprint of the computing infrastructure to include Directory, File, Print, and Web server processing; storage and switching; data replication for Continuity of Operations Planning (COOP), data recovery, and improved capacity for basic store and retrieve capabilities.</p> <p>ARMY ONE SOURCE (AOS): The AOS portal, located at www.myarmyonesource.com, compiles important, credible, up-to-date information in a single location for Army Soldiers and Family members to access at any time of day, regardless of component or physical location. It is the public face of the HQDA Family Programs Directorate and serves as the official portal to Army Families worldwide. It organizes articles, videos and resources in the following major categories: Family Programs and Services; Healthcare; Soldier and Family Housing; Child, Youth and School Services; Education, Careers and Libraries; Recreation, Travel, and Better Opportunity for Single Soldiers (BOSS); and Communities and Marketplace. It's also a tool that is used by Army Community Service staff members for recordkeeping as well as a commanders tool to communicate in a virtual Family Readiness Group.</p> <p>ARMY CONTRACT WRITING SYSTEM (ACWS): The ACWS is the Army's strategy for a single enterprise-wide contract writing and management solution that will meet the Army's current critical functional contract writing requirements and expand to meet future functional needs. The Army's goal is to streamline Acquisition, Technology and Logistics (AT&L) end-to-end business processes; reduce operating, maintenance, and support costs; minimize the number interfaces; support financial auditability; and promote and improve efficiencies when integrating with existing Enterprise Resource Planning (ERPs)</p>		

UNCLASSIFIED

Exhibit P-40, Budget Line Item Justification: PB 2016 Army		Date: February 2015
Appropriation / Budget Activity / Budget Sub Activity: 2035A: Other Procurement, Army / BA 02: Communications and Electronics Equipment / BSA 92: Elect Equip - Automation		P-1 Line Item Number / Title: BD3000 / Automated Data Processing Equip
ID Code (A=Service Ready, B=Not Service Ready) :	Program Elements for Code B Items:	Other Related Program Elements:
<p>solutions. This program supports the 2011 Under Secretary of Defense (USD) AT&L memorandum that directed the Services to develop a new contract writing system. Accordingly, the DoD Deputy Chief Management Officer (DCMO) validated the Army's problem statement and the Army Acquisition Executive approved the ACWS Materiel Development Decision (MDD) in 2014. The procurement program will support all requisite activities to concurrently develop pre-Milestone A documentation and perform pre-solicitation/source selection activities expected of an ACAT III program in order to comply with the USD AT&L directive. This program is linked to RDTE Program Element 0605013A, Project Number T05, Project Title Army Business System Modernization Initiatives.</p> <p>THE JUDGE ADVOCATE GENERAL'S LEGAL CENTER AND SCHOOL (TJAGLCS) INFRASTRUCTURE: Over 6000 students are trained annually at The Judge Advocate General's Legal Center & School (TJAGLCS). The existing IT infrastructure is outdated and does not support wireless networking and Voice over Internet Protocol (VoIP) communications. Coursework utilizes online content for structure and methodology for teaching critical skills to Judge Advocates, Legal Administrators, and Paralegals for career development and mandatory continuing legal education. The wireless network will implement all Information Assurance Best Practices to enable the maximum number of simultaneous users in a secure wireless environment. The VoIP capability will replace an aging telephone and voice mail system that is failing and no longer economically sound to maintain or find parts to repair. Additional upgrades will be implemented as required to ensure that TJAGLCS infrastructure provides maximum network availability to ensure quality legal support Army-wide.</p> <p>COMBINED OPERATIONS AND INTELLIGENCE CENTER (COIC) WALL ENGINE REPLACEMENT. The COIC wall supports Operation Freedom Sentinel (OFS) at the ARCENT Operations Center, Camp Arifjan. The COIC wall provides 24 hours a day/7 days a week situational awareness of theater assets to include ARCENT, subordinate Army/land force units in the ARCENT Area of Responsibility, Special Operations Forces, and air assets supporting or supplementing air operations. It monitors feeds from Top Secret/Sensitive Compartmented Information down to coalition secure information feeds (secure networks). Information is displayed graphically, including a Common Operating Picture, and can support live video/secure video teleconference feeds.</p> <p>PERSONNEL AUTOMATION SYSTEMS: PERSONNEL ENTERPRISE SUPPORT-AUTOMATION (PES-A): The PES-A is an Information Technology (IT) Enterprise infrastructure acquisition program that provides integrated support to the Army Human Resources (HR) community. This program is critical to the execution of the day-to-day operations for the Active Army and its components in terms of strength accounting, personnel movement, assignment actions, career management, training, recruiting, reenlistment, and mobilization. The PES-A provides the hardware, network, and connectivity capabilities that serve as the technical foundation for core Army HR systems, applications, and services supporting the Warfighter. These systems include the Enlisted, Officer, and General Officer Selection Boards, the Soldier's Management System (SMS), the Wounded Warrior System, and the Defense Casualty Information Processing System (DCIPS). The PES-A supports the readiness and well-being of Army personnel enabling efficient and effective management of Soldiers world-wide. This integrated infrastructure serves as the backbone for applications to ensure that crucial data and information is available at all times to Soldiers, Army Leaders, the Department of Defense, and ultimately, Congress.</p> <p>UNITED STATES MILITARY ENTRANCE PROCESSING COMMAND (USMEPCOM) INTEGRATED RESOURCE SYSTEM (USMIRS): The USMIRS provides the automation and communications capability for MEPCOM to meet its peacetime, mobilization and wartime military manpower accession mission for the Department of Defense (DoD). The USMIRS is used at 65 Military Entrance Processing Stations (MEPS) and approximately 365 Military Entrance Test (MET) sites throughout the US and its territories. The USMIRS is the only official DoD joint accession resource system that processes applicants for enlistment into all Services. It collects, stores, edits, processes, and reports applicant and enlistment data on every US Military applicant to determine their aptitude, medical, and past conduct qualifications for service. The USMIRS interfaces with the Social Security Administration, the United States Citizen and Immigration Service, the Federal Bureau of Investigation through the Office of Personnel Management, commercial and DoD drug laboratories, the recruiting services, the Defense Manpower Data Center, and many other DoD systems. The USMIRS processes approximately 926.8 thousand individual records annually through its Data Services. This program is linked to RDTE Program Element 0605013A, Project Number T04, Project Title USMEPCOM Transformation – IT Modernization.</p> <p>ARMY CENTRALIZED CIVILIAN HUMAN RESOURCES (ACCHR): The ACCHR supports Army-unique interfaces with the Defense Civilian Personnel Database System (DCPDS), which is the Human Resources (HR) system of record for the entire DoD civilian workforce. The DCPDS provides civilian employees access to the My Biz/My Workplace applications, HR professionals and supervisors worldwide secure access to Army Civilian Personnel information, and trains/deploy civilian employees in theater in support of the Warfighter. The Army Component instance of DCPDS migrated to the Defense Information Systems Agency Defense Enterprise Computing Center in Denver, Colorado, in 2014, but the requirement for lifecycle replacement of workstations and printers to access the DCPDS data from Army Civilian Personnel Advisory Centers (CPACs) and Civilian Human Resources Agency (CHRA) regions will remain with the Army. Other enduring Army-unique requirements include life cycle replacement of scanners for input of Civilian Official Personnel File documents into Office of Personnel Management (OPM) Electronic Official Personnel Folder (eOPF) system and automation of the Extract, Transform and Load (ETL) process used to manage the flow of data obtained from DCPDS to Army-unique Civilian HR (CHR) applications such as the Civilian Personnel Online (CPOL) portal and the Fully Automated System for Classification (FASCLASS).</p>		

UNCLASSIFIED

Exhibit P-40, Budget Line Item Justification: PB 2016 Army **Date:** February 2015

Appropriation / Budget Activity / Budget Sub Activity: 2035A: Other Procurement, Army / BA 02: Communications and Electronics Equipment / BSA 92: Elect Equip - Automation	P-1 Line Item Number / Title: BD3000 / Automated Data Processing Equip
--	--

ID Code (A=Service Ready, B=Not Service Ready) :	Program Elements for Code B Items:	Other Related Program Elements:
---	---	--

ARMY ACCESSIONING-INTEGRATED AUTOMATION ARCHITECTURE (AA-IAA): The AA-IAA encompasses the entire automation support for the Army recruiting, accessioning, and Reserve Officers' Training Corps commissioning missions, which satisfy Army manning and force strength requirements supporting the Warfighter. The AA-IAA serves as an enabler for Total Army recruiting [Active, Reserve, and Army National Guard (ARNG)], in the public, educational, and commercial sectors, where the accessioning force and future force reside while exchanging data with Army and Department of Defense (DoD) automated personnel systems. The AA-IAA provides essential automation capabilities to field recruiters, special mission recruiters, and guidance counselors for the Regular Army, Reserves, and ARNG. It reduces administrative tasks while providing essential data on applicants and newly enlisted Soldiers to leadership. The AA-IAA facilitates responses to changes from Office of the Secretary of Defense and Department of the Army concerning accessioning business processes. Operationally it captures applicant information and supports electronic projection of that data and supporting documents. It also provides Continuity of Operations and disaster recovery for Primary Mission Essential Function applications and databases. It maintains historical production data, produces management reports, supports the presentation of Army opportunities, and is the sole information source for delivering leads to recruiters. The AA-IAA also provides the overarching support structure for cyber recruiting and applicant self-processing.

KEYSTONE: KEYSTONE is an interactive, on-line automated personnel system which supports all components (Active, Reserve, and National Guard) of the Army. It provides critical support to accession, training, re-enlistment and assignment processes in peace and war. It supports over 20,000 users worldwide, tracks over 300,000 training seats and maintains military occupational specialty (MOS) skill qualifications, enlistment programs, and assignment/enlistment guarantees. It maintains historical production data, produces management reports, supports the presentation of Army opportunities, is a source for delivering leads to recruiters, and is the sole information source of reclassification for career counselors. KEYSTONE also provides Continuity of Operations and disaster recovery for Primary Mission Essential Function applications and databases. KEYSTONE systems have a direct and visible impact on the Total Army's Personnel End Strength. This program is linked to RDTE Program Element 0605013A, Project Number T05, Project Title Army Business System Modernization Initiatives.

PERSONNEL AUTOMATION SYSTEMS-WEST POINT:

US MILITARY ACADEMY (USMA) INFORMATION TECHNOLOGY (IT): The USMA is an accredited institution of higher learning graduating approximately 1,100 Second Lieutenants to support the Army each year. The USMA IT sustains the mission of the Academy as it maintains pace with Army transformation, remains a competitive Tier 1 university, and supports 4,400 Cadets in accordance with Title 10 USC 4342. Many non-DoD affiliations affect USMA IT mission requirements, specifically, the Accreditation Board of Engineering and Technology (ABET), Middle States Accreditation Board, and Computer Science Accreditation Board (CSAB). These accreditation efforts look at future plans for IT. To maintain its accreditation standards and to instruct and prepare future Army leaders to operate in the sophisticated high-tech warfare of Joint and Army Visions for 2020 and beyond, USMA must employ technology unique to the cadet education and development mission in spaces where cadets, staff, and faculty congregate and collaborate to include cadet barracks, administrative buildings, academic classrooms, and laboratories. The USMA IT is essential to every aspect of education, training, and Command and Control (C2) of the USMA and West Point Garrison. The USMA IT procurement directly supports the Army's core competency to train and equip Soldiers and to grow and develop our future leaders.

Secondary Distribution		FY 2014	FY 2015	FY 2016 Base	FY 2016 OCO	FY 2016 Total	FY 2017	FY 2018	FY 2019	FY 2020
Army	Quantity	-	-	-	-	-	-	-	-	-
	Total Obligation Authority	162.741	152.282	105.775	0.652	106.427	126.781	157.621	152.710	182.853
Total: Secondary Distribution	Quantity	-	-	-	-	-	-	-	-	-
	Total Obligation Authority	162.741	152.282	105.775	0.652	106.427	126.781	157.621	152.710	182.853

UNCLASSIFIED

Exhibit P-40, Budget Line Item Justification: PB 2016 Army **Date:** February 2015

Appropriation / Budget Activity / Budget Sub Activity: 2035A: Other Procurement, Army / BA 02: Communications and Electronics Equipment / BSA 92: Elect Equip - Automation	P-1 Line Item Number / Title: BD3000 / Automated Data Processing Equip
--	--

ID Code (A=Service Ready, B=Not Service Ready) :			Program Elements for Code B Items:			Other Related Program Elements:		
Exhibits Schedule			Prior Years	FY 2014	FY 2015	FY 2016 Base	FY 2016 OCO	FY 2016 Total
Title*	Exhibits	ID CD	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)
B33010 / ARMY DATA CENTER CONSOLIDATION PROGRAM (ADCCP)	P-5, P-5a		- / 4.173	- / -	- / 15.056	- / -	- / -	- / -
BD3956 / OPTICAL DIGITAL EQUIP	P-5, P-5a		- / 92.754	- / 2.975	- / 2.998	- / 1.761	- / -	- / 1.761
BD7000 / STRATEGIC LOGISTICS PROGRAM (SLP)	P-5, P-5a		- / 380.263	- / 1.163	- / 1.427	- / 0.978	- / -	- / 0.978
BE4161 / HQ MANAGEMENT INFORMATION SYSTEMS	P-5, P-5a		- / 734.043	- / 61.200	- / 55.278	- / 44.877	- / -	- / 44.877
BE4162 / MACOM AUTOMATION SYSTEMS	P-5, P-5a		- / 1,210.632	- / 66.173	- / 45.954	- / 23.467	- / 0.652	- / 24.119
BE4164 / PERSONNEL AUTOMATION SYSTEMS	P-5, P-5a		- / 733.967	- / 31.230	- / 31.569	- / 31.373	- / -	- / 31.373
BE4175 / Personnel Automation Systems - West Point	P-5, P-5a		- / -	- / -	- / -	- / 3.319	- / -	- / 3.319
Total Gross/Weapon System Cost			- / 3,406.271	- / 162.741	- / 152.282	- / 105.775	- / 0.652	- / 106.427

*Title represents 1) the Number / Title for Items; 2) the Number / Title [DODIC] for Ammunition; and/or 3) the Number / Title (Modification Type) for Modifications.

Note: Totals in this Exhibit P-40 set may not be exact or add due to rounding.

Justification:

ARMY DATA CENTER CONSOLIDATION PROGRAM:
FY 2016 ADCCP has no Base or OCO procurement request. Funds have been realigned from Standard Study Number B33010 to the Army Computing Infrastructure program in Standard Study Number BE4162, for more efficient, effective program management.

OPTICAL DIGITAL EQUIPMENT:

FY 2016 Base procurement dollars in the amount of \$0.991 million support ARIMS infrastructure components to include servers, storage, routers, firewalls, and telecommunications equipment. These components are required to maintain ARIMS baseline and increase records storage capability, which is necessary for the capture of large volumes of Contingency Operations and official Army records. Technology refreshment will significantly improve research and response time in support of Veterans' PTSD claims and FOIA inquiries, reduce the data center foot print, and reduce overall maintenance costs.

FY 2016 Base procurement dollars in the amount of \$0.770 million support initial iPERMS Enterprise Application Migration and life cycle replacement of hardware to include Network Area Storage, optical storage libraries, servers, system components, and related peripherals. Storage requirements grow with each year due to Army personnel records and the DoD/NARA requirement to maintain all personnel records for 62 years after separation of the individual service member. These procurements will enhance system stability, support expansion requirements, and ensure reliable customer support at all levels.

STRATEGIC LOGISTICS PROGRAM:

FY 2016 Base procurement dollars in the amount of \$0.978 million support LTA investments in COTS/GOTS solutions that can be leveraged to create logistics efficiencies and reduce demand. These assets will be deployed to the Command, Control, Communications, Computers, Intelligence, Surveillance and Reconnaissance (C4ISR) Ground Activity located at Joint Base McGuire-Dix-Lakehurst in New Jersey to automate logistics supply, maintenance and distribution processes. Investments entail: GOTS mobile devices and applications for fuel and ammunition distribution tracking; software to integrate automated feeds of fuel, ammunition and Class IX consumption/supply status into a common logistics portal; mechanics aids such as wearable technology (e.g. goggles) and augmented reality applications; and wireless communication devices to transmit the health/usage of assets to the network maintained at the C4ISR Ground Activity. Investment is needed in FY16 to meet the objectives of the Deputy Chief of Staff G-4 and Assistant Secretary of the Army of Acquisition, Logistics and Technology [ASA(ALT)], including a Military Department (MILDEP) sponsored Logistics Integration Capstone initiative to establish an enduring "sense and respond" logistics environment to identify opportunities, reduce Soldier touch points and decrease logistics demand through the integration of existing technologies.

HQ MANAGEMENT INFORMATION SYSTEMS:

FY 2016 Base procurement dollars in the amount of \$2.660 million support HQDA ADPE replacement of aged Video Teleconferencing (VTC) systems in three senior leader conference rooms. The VTC systems include high definition monitors, cameras, integrated microphones, and Internet Protocol-based connectivity. The HQDA ADPE also provides for increased capacity for the HQDA virtual desktop environment with scalar devices that consolidate the server and storage into a single, integrated appliance rather than separate infrastructures for computing (servers) and data storage.

UNCLASSIFIED

Exhibit P-40, Budget Line Item Justification: PB 2016 Army		Date: February 2015
Appropriation / Budget Activity / Budget Sub Activity: 2035A: Other Procurement, Army / BA 02: Communications and Electronics Equipment / BSA 92: Elect Equip - Automation		P-1 Line Item Number / Title: BD3000 / Automated Data Processing Equip
ID Code (A=Service Ready, B=Not Service Ready) :	Program Elements for Code B Items:	Other Related Program Elements:
<p>FY 2016 Base procurement dollars in the amount of \$34.391 million support PITI storage management and performance management devices to ensure data storage and replication processes are operating correctly to minimize risk of data loss. The PITI program procures replacements and additional capacity for Storage Area Network devices as they are modernized and integrated with virtualized storage infrastructure. It replaces switches and routers in the distribution portion of the Pentagon network in order to ensure aging devices in the various Pentagon wedges are replaced before hardware failure; this includes virtual routing and forwarding devices to support the Communities of Interest within the Pentagon. The PITI also replaces legacy computing devices with servers that can provide virtual workloads for all local applications and user processing for the Pentagon. It replaces firewalls and security management systems at each external Network Access Point for the Pentagon in order to provide standard network security architecture.</p> <p>FY 2016 Base procurement dollars in the amount of \$7.826 million support global SCC requirements for systems engineering and installation of Command, Control, Communication, Computers (C4) infrastructure, hardware (hubs, servers, protected cable distribution systems, secure video teleconferencing systems, integration and monitoring equipment), software, and program management costs associated with the upgrades and modernization of integrated C4 capabilities and applications.</p> <p>FY 2016 LAAWS has no Base or OCO procurement request.</p> <p>MACOM AUTOMATION SYSTEMS: FY 2016 Base procurement dollars in the amount of \$12.961 million support ACI to procure information storage and switching equipment along with the computing systems, servers, management tools, and racks to integrate and deploy DoD Information Network (DODIN) and Defensive Cyber Operations (DCO) capabilities while providing network operations (NetOps) management of the LandWarNet, infrastructure, data, and system/applications.</p> <p>FY2016 Base procurement dollars in the amount of \$1.426 million support the BLCSE with routers, switches and video teleconferencing IT equipment.</p> <p>FY2016 Base procurement dollars in the amount of \$1.125 million support TIABCSTB infrastructure and control tools including servers, virtualization hardware, switches, and blade server kits.</p> <p>FY2016 Base procurement dollars in the amount of \$0.597 million support ATIA infrastructure to include Virtual Storage Area Network storage, virtual servers, and associated software for life cycle support of the existing infrastructure.</p> <p>FY2016 Base procurement dollars in the amount of \$1.528 million support ANV with network equipment including servers, routers, switches, firewalls, Storage Area Network (SAN), and fiber optic cable.</p> <p>FY2016 SPS Paperless Contracting has no Base or OCO procurement request.</p> <p>FY2016 ALTESS has no Base or OCO procurement request.</p> <p>FY2016 Base procurement dollars in the amount of \$4.402 million support AFRICOM HQ ADPE servers, routers, switches storage, and unified communications equipment.</p> <p>FY2016 Base procurement dollars in the amount of \$0.337 million support AOS hardware procurements.</p> <p>FY2016 ACWS has no Base or OCO procurement request.</p> <p>FY2016 Base procurement dollars in the amount of \$1.091 million support TJAGLCS Infrastructure with wireless controllers, access points, switches, firewalls, cabling, battery backups, training, labeling, in-place infrastructure, cross connects, and other required wireless features. It also procures telecommunications equipment for up to 250 user stations with phone sets, battery backups, training, headsets, labeling, in-place infrastructure, cross connects, and other required features.</p> <p>FY2016 OCO procurement dollars in the amount of \$0.652 million support COIC requirement to replace existing lamp-based projection engines with new LED-based projection engines.</p>		

UNCLASSIFIED

Exhibit P-40, Budget Line Item Justification: PB 2016 Army		Date: February 2015
Appropriation / Budget Activity / Budget Sub Activity: 2035A: Other Procurement, Army / BA 02: Communications and Electronics Equipment / BSA 92: Elect Equip - Automation		P-1 Line Item Number / Title: BD3000 / Automated Data Processing Equip
ID Code (A=Service Ready, B=Not Service Ready) :	Program Elements for Code B Items:	Other Related Program Elements:
<p>PERSONNEL AUTOMATION SYSTEMS: FY 2016 Base procurement dollars in the amount of 10.194 million support PES-A initial start-up costs for Enterprise Application Migration and local application lifecycle replacement of the Human Resources Center of Excellence (HRCoE) Datacenter Information Technology (IT) infrastructure, to include: mainframe, server, network, backup/recovery, storage, telephony, and disaster recovery equipment.</p> <p>FY 2016 Base procurement dollars in the amount of \$6.721 million support USMIRS lifecycle of applicant testing workstations, network, backup/recovery, storage, telephony equipment and other system components to maintain security and operational support for USMIRS and administrative systems. Items identified for replacement will have exceeded manufacturer or third-party support, product life, or are unable to meet mandated security and/or certification requirements.</p> <p>FY 2016 Base procurement dollars in the amount of \$4.143 million support ACCHR lifecycle replacement (LCR) of workstations and printers to access DCPDS data. These enduring requirements will reduce data processing errors, speed up data refresh cycles, and reduce the number of contracted support personnel to gain further efficiencies.</p> <p>FY 2016 Base procurement dollars in the amount of \$7.882 million support AA-IAA initial start-up costs for Enterprise Application Migration, lifecycle replacement of hardware for local applications, Information Assurance compliance, and data center/architecture consolidation requirements. Hardware includes web and blade servers, Storage Area Network (SAN), routers, switches, and load balance appliances; the replaced equipment will be leveraged and integrated into a single architecture supporting the Accessioning Missions from the Human Resources Center of Excellence (HRCoE) Datacenter Fort Knox, KY.</p> <p>FY 2016 Base procurement dollars in the amount of \$2.433 million support initial KEYSTONE Request Enterprise Application and lifecycle replacement of infrastructure, to include server, network, backup/recovery, storage, and disaster recovery equipment. KEYSTONE provides essential automation capabilities to field recruiters, special mission recruiters, career counselors, and guidance counselors for the Regular Army, Reserves, and ARNG. Program follows a five year life cycle replacement schedule. Sustainment of KEYSTONE Request in its current environment is required through FY21 based on IPPS-A release schedule.</p> <p>FY16 USMA IT funds have been realigned from Standard Study Number BE4164, Personnel Automation Systems, to BE4175, Personnel Automation Systems-West Point, for more efficient, effective program management.</p> <p>PERSONNEL AUTOMATION SYSTEMS-WEST POINT: FY 2016 Base procurement dollars in the amount of \$3.319 million support USMA IT academic audio/visual equipment and computing capabilities for academic facilities and computer lab infrastructure; modernization to DA standards of the Academy Management System (Enterprise Resource Planning (ERP) for grades and class scheduling); Internet Content Filtering/Management System; Continuity of Operations Planning (COOP) services and storage; Defense Research and Engineering Network (DREN) network infrastructure; and the Distributed Antenna System (DAS).</p> <p>In accordance with Section 1815 of the FY 2008 National Defense Authorization Act (P.L. 110-181), this item is necessary for use by the active and reserve components of the Armed Forces for homeland defense missions, domestic emergency responses, and providing military support to civil authorities.</p>		

UNCLASSIFIED

Exhibit P-5, Cost Analysis: PB 2016 Army		Date: February 2015
Appropriation / Budget Activity / Budget Sub Activity: 2035A / 02 / 92	P-1 Line Item Number / Title: BD3000 / Automated Data Processing Equip	Item Number / Title [DODIC]: B33010 / ARMY DATA CENTER CONSOLIDATION PROGRAM (ADCCP)

ID Code (A=Service Ready, B=Not Service Ready) :	MDAP/MAIS Code:
---	------------------------

Resource Summary	Prior Years	FY 2014	FY 2015	FY 2016 Base	FY 2016 OCO	FY 2016 Total
Procurement Quantity <i>(Units in Each)</i>	-	-	-	-	-	-
Gross/Weapon System Cost <i>(\$ in Millions)</i>	4.173	-	15.056	-	-	-
Less PY Advance Procurement <i>(\$ in Millions)</i>	-	-	-	-	-	-
Net Procurement (P1) <i>(\$ in Millions)</i>	4.173	-	15.056	-	-	-
Plus CY Advance Procurement <i>(\$ in Millions)</i>	-	-	-	-	-	-
Total Obligation Authority <i>(\$ in Millions)</i>	4.173	-	15.056	-	-	-

(The following Resource Summary rows are for informational purposes only. The corresponding budget requests are documented elsewhere.)

Initial Spares <i>(\$ in Millions)</i>	-	-	-	-	-	-
Gross/Weapon System Unit Cost <i>(\$ in Thousands)</i>	-	-	-	-	-	-

Note: Subtotals or Totals in this Exhibit P-5 may not be exact or add, due to rounding.

Cost Elements	Prior Years			FY 2014			FY 2015			FY 2016 Base			FY 2016 OCO			FY 2016 Total		
	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)
Hardware Cost																		
Recurring Cost																		
Network Operations Tools HW ^(†)	-	-	-	-	-	-	5,056.000	1	5.056	-	-	-	-	-	-	-	-	-
<i>Subtotal: Recurring Cost</i>	-	-	-	-	-	-	-	-	5.056	-	-	-	-	-	-	-	-	-
<i>Subtotal: Hardware Cost</i>	-	-	-	-	-	-	-	-	5.056	-	-	-	-	-	-	-	-	-
Software Cost																		
Recurring Cost																		
Network Operations Tools SW ^(†)	4,173.000	1	4.173	-	-	-	10,000.000	1	10.000	-	-	-	-	-	-	-	-	-
<i>Subtotal: Recurring Cost</i>	-	-	4.173	-	-	-	-	-	10.000	-	-	-	-	-	-	-	-	-
<i>Subtotal: Software Cost</i>	-	-	4.173	-	-	-	-	-	10.000	-	-	-	-	-	-	-	-	-
Gross/Weapon System Cost	-	-	4.173	-	-	-	-	-	15.056	-	-	-	-	-	-	-	-	-

Secondary Distribution		FY 2014	FY 2015	FY 2016 Base	FY 2016 OCO	FY 2016 Total
Army	Quantity	-	-	-	-	-
	Total Obligation Authority	-	15.056	-	-	-
Total:	Quantity	-	-	-	-	-

UNCLASSIFIED

Exhibit P-5, Cost Analysis: PB 2016 Army			Date: February 2015			
Appropriation / Budget Activity / Budget Sub Activity: 2035A / 02 / 92		P-1 Line Item Number / Title: BD3000 / Automated Data Processing Equip		Item Number / Title [DODIC]: B33010 / ARMY DATA CENTER CONSOLIDATION PROGRAM (ADCCP)		
ID Code (A=Service Ready, B=Not Service Ready) :			MDAP/MAIS Code:			
Secondary Distribution		FY 2014	FY 2015	FY 2016 Base	FY 2016 OCO	FY 2016 Total
Secondary Distribution	Total Obligation Authority	-	15.056	-	-	-

(t) indicates the presence of a P-5a

UNCLASSIFIED

Exhibit P-5a, Procurement History and Planning: PB 2016 Army							Date: February 2015					
Appropriation / Budget Activity / Budget Sub Activity: 2035A / 02 / 92			P-1 Line Item Number / Title: BD3000 / Automated Data Processing Equip				Item Number / Title [DODIC]: B33010 / ARMY DATA CENTER CONSOLIDATION PROGRAM (ADCCP)					

Cost Elements	O C O	FY	Contractor and Location	Method/Type or Funding Vehicle	Location of PCO	Award Date	Date of First Delivery	Qty <i>(Each)</i>	Unit Cost <i>(\$ K)</i>	Specs Avail Now?	Date Revision Available	RFP Issue Date
Network Operations Tools HW		2015	TBS / TBS	C / FP	TBS	Jul 2015	Sep 2015	1	5,056.000	N		
Network Operations Tools SW		2015	TBS / TBS	C / FP	TBS	Jul 2015	Sep 2015	1	10,000.000	N		

Remarks:

All IT procurements consist of COTS/GOTS solutions; all quantities and unit costs vary by system configuration and site.

UNCLASSIFIED

Exhibit P-5, Cost Analysis: PB 2016 Army **Date:** February 2015

Appropriation / Budget Activity / Budget Sub Activity: 2035A / 02 / 92	P-1 Line Item Number / Title: BD3000 / Automated Data Processing Equip	Item Number / Title [DODIC]: BD3956 / OPTICAL DIGITAL EQUIP
--	--	---

ID Code (A=Service Ready, B=Not Service Ready) : **MDAP/MAIS Code:**

Resource Summary	Prior Years	FY 2014	FY 2015	FY 2016 Base	FY 2016 OCO	FY 2016 Total
Procurement Quantity (Units in Each)	-	-	-	-	-	-
Gross/Weapon System Cost (\$ in Millions)	92.754	2.975	2.998	1.761	-	1.761
Less PY Advance Procurement (\$ in Millions)	-	-	-	-	-	-
Net Procurement (P1) (\$ in Millions)	92.754	2.975	2.998	1.761	-	1.761
Plus CY Advance Procurement (\$ in Millions)	-	-	-	-	-	-
Total Obligation Authority (\$ in Millions)	92.754	2.975	2.998	1.761	-	1.761

(The following Resource Summary rows are for informational purposes only. The corresponding budget requests are documented elsewhere.)

Initial Spares (\$ in Millions)	-	-	-	-	-	-
Gross/Weapon System Unit Cost (\$ in Thousands)	-	-	-	-	-	-

Note: Subtotals or Totals in this Exhibit P-5 may not be exact or add, due to rounding.

Cost Elements	Prior Years			FY 2014			FY 2015			FY 2016 Base			FY 2016 OCO			FY 2016 Total		
	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)
Hardware Cost																		
Recurring Cost																		
(ARIMS) ^(t)	5,379.000	1	5.379	1,271.000	1	1.271	747.000	1	0.747	991.000	1	0.991	-	-	-	991.000	1	0.991
<i>Subtotal: Recurring Cost</i>	-	-	5.379	-	-	1.271	-	-	0.747	-	-	0.991	-	-	-	-	-	0.991
Non Recurring Cost																		
(iPERMS) ^(t)	87,375.000	1	87.375	1,704.000	1	1.704	2,251.000	1	2.251	770.000	1	0.770	-	-	-	770.000	1	0.770
<i>Subtotal: Non Recurring Cost</i>	-	-	87.375	-	-	1.704	-	-	2.251	-	-	0.770	-	-	-	-	-	0.770
<i>Subtotal: Hardware Cost</i>	-	-	92.754	-	-	2.975	-	-	2.998	-	-	1.761	-	-	-	-	-	1.761
Gross/Weapon System Cost	-	-	92.754	-	-	2.975	-	-	2.998	-	-	1.761	-	-	-	-	-	1.761

Secondary Distribution	FY 2014	FY 2015	FY 2016 Base	FY 2016 OCO	FY 2016 Total
Army	-	-	-	-	-
Total Obligation Authority	2.975	2.998	1.761	-	1.761
Total: Secondary Distribution	-	-	-	-	-
Total Obligation Authority	2.975	2.998	1.761	-	1.761

(t) indicates the presence of a P-5a

UNCLASSIFIED

Exhibit P-5a, Procurement History and Planning: PB 2016 Army **Date:** February 2015

Appropriation / Budget Activity / Budget Sub Activity: 2035A / 02 / 92	P-1 Line Item Number / Title: BD3000 / Automated Data Processing Equip	Item Number / Title [DODIC]: BD3956 / OPTICAL DIGITAL EQUIP
--	--	---

Cost Elements	O C O	FY	Contractor and Location	Method/Type or Funding Vehicle	Location of PCO	Award Date	Date of First Delivery	Qty <i>(Each)</i>	Unit Cost <i>(\$ K)</i>	Specs Avail Now?	Date Revision Available	RFP Issue Date
(ARIMS)		2014	Intergraph Corp / Huntsville, AL	C / FFP	NAVAIR, Patuxent River, MD	Aug 2014	Sep 2014	1	1,271.000	N		
(ARIMS)		2015	TBS / TBS	C / FFP	TBS	Jun 2015	Aug 2015	1	747.000	N		
(ARIMS)		2016	TBS / TBS	C / FFP	TBS	Jun 2016	Aug 2016	1	991.000	N		
(iPERMS)		2014	Leidos / Columbia, MD	C / FFP	MICC, Ft. Knox, KY	May 2014	Sep 2014	1	1,135.000	N		
(iPERMS)		2014	TBS / TBS	C / FFP	MICC, Ft. Knox, KY	Mar 2015	Jun 2015	-	569.000	N		
(iPERMS)		2015	TBS / TBS	C / FFP	MICC, Ft. Knox, KY	Feb 2015	Mar 2015	1	2,251.000	N		
(iPERMS)		2016	TBS / TBS	C / FFP	MICC, Ft. Knox, KY	May 2016	Jul 2016	1	770.000	N		

Remarks:

All IT procurements consist of COTS/GOTS solutions; all quantities and unit costs vary by system configuration and site. MICC - Mission and Installation Contracting Command; NAVAIR - U.S. Navy Naval Air Systems Command.

UNCLASSIFIED

Exhibit P-5, Cost Analysis: PB 2016 Army		Date: February 2015
Appropriation / Budget Activity / Budget Sub Activity: 2035A / 02 / 92		P-1 Line Item Number / Title: BD3000 / Automated Data Processing Equip
		Item Number / Title [DODIC]: BD7000 / STRATEGIC LOGISTICS PROGRAM (SLP)

ID Code (A=Service Ready, B=Not Service Ready) :	MDAP/MAIS Code:
---	------------------------

Resource Summary	Prior Years	FY 2014	FY 2015	FY 2016 Base	FY 2016 OCO	FY 2016 Total
Procurement Quantity (Units in Each)	-	-	-	-	-	-
Gross/Weapon System Cost (\$ in Millions)	380.263	1.163	1.427	0.978	-	0.978
Less PY Advance Procurement (\$ in Millions)	-	-	-	-	-	-
Net Procurement (P1) (\$ in Millions)	380.263	1.163	1.427	0.978	-	0.978
Plus CY Advance Procurement (\$ in Millions)	-	-	-	-	-	-
Total Obligation Authority (\$ in Millions)	380.263	1.163	1.427	0.978	-	0.978

(The following Resource Summary rows are for informational purposes only. The corresponding budget requests are documented elsewhere.)

Initial Spares (\$ in Millions)	-	-	-	-	-	-
Gross/Weapon System Unit Cost (\$ in Thousands)	-	-	-	-	-	-

Note: Subtotals or Totals in this Exhibit P-5 may not be exact or add, due to rounding.

Cost Elements	Prior Years			FY 2014			FY 2015			FY 2016 Base			FY 2016 OCO			FY 2016 Total		
	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)
Hardware Cost																		
Non Recurring Cost																		
Logistics Technology Assessment (LTA) HW ^(†)	298,014.000	1	298.014	-	-	-	362.000	1	0.362	250.000	1	0.250	-	-	-	250.000	1	0.250
<i>Subtotal: Non Recurring Cost</i>	-	-	298.014	-	-	-	-	-	0.362	-	-	0.250	-	-	-	-	-	0.250
Subtotal: Hardware Cost	-	-	298.014	-	-	-	-	-	0.362	-	-	0.250	-	-	-	-	-	0.250
Software Cost																		
Non Recurring Cost																		
Logistics Technology Assessment (LTA) SW ^(†)	82,249.000	1	82.249	1,163.000	1	1.163	1,065.000	1	1.065	728.000	1	0.728	-	-	-	728.000	1	0.728
<i>Subtotal: Non Recurring Cost</i>	-	-	82.249	-	-	1.163	-	-	1.065	-	-	0.728	-	-	-	-	-	0.728
Subtotal: Software Cost	-	-	82.249	-	-	1.163	-	-	1.065	-	-	0.728	-	-	-	-	-	0.728
Gross/Weapon System Cost	-	-	380.263	-	-	1.163	-	-	1.427	-	-	0.978	-	-	-	-	-	0.978

Secondary Distribution		FY 2014	FY 2015	FY 2016 Base	FY 2016 OCO	FY 2016 Total
Army	Quantity	-	-	-	-	-
	Total Obligation Authority	1.163	1.427	0.978	-	0.978

UNCLASSIFIED

Exhibit P-5, Cost Analysis: PB 2016 Army		Date: February 2015
Appropriation / Budget Activity / Budget Sub Activity: 2035A / 02 / 92	P-1 Line Item Number / Title: BD3000 / Automated Data Processing Equip	Item Number / Title [DODIC]: BD7000 / STRATEGIC LOGISTICS PROGRAM (SLP)

ID Code (A=Service Ready, B=Not Service Ready) :	MDAP/MAIS Code:
---	------------------------

Secondary Distribution		FY 2014	FY 2015	FY 2016 Base	FY 2016 OCO	FY 2016 Total
Total:	Quantity	-	-	-	-	-
Secondary Distribution	Total Obligation Authority	1.163	1.427	0.978	-	0.978

(t) indicates the presence of a P-5a

UNCLASSIFIED

Exhibit P-5a, Procurement History and Planning: PB 2016 Army							Date: February 2015					
Appropriation / Budget Activity / Budget Sub Activity: 2035A / 02 / 92			P-1 Line Item Number / Title: BD3000 / Automated Data Processing Equip				Item Number / Title [DODIC]: BD7000 / STRATEGIC LOGISTICS PROGRAM (SLP)					

Cost Elements	O C O	FY	Contractor and Location	Method/Type or Funding Vehicle	Location of PCO	Award Date	Date of First Delivery	Qty <i>(Each)</i>	Unit Cost <i>(\$ K)</i>	Specs Avail Now?	Date Revision Available	RFP Issue Date
Logistics Technology Assessment (LTA) HW		2015	TBS / TBS	C / FP	TBS	Apr 2015	May 2015	1	362.000	N		
Logistics Technology Assessment (LTA) HW		2016	TBS / TBS	C / FP	TBS	Feb 2016	Feb 2016	1	250.000	N		
Logistics Technology Assessment (LTA) SW		2014	Wyle Laboratories / Huntsville, AL	C / FP	AMCOM EC, Huntsville, AL	Apr 2014	Jul 2014	1	698.000	N		
Logistics Technology Assessment (LTA) SW		2014	Leidos / McLean, VA	C / FP	DCMA, Manasses, VA	Jul 2014	Aug 2014	-	465.000	N		
Logistics Technology Assessment (LTA) SW		2015	TBS / TBS	C / FP	AMCOM EC, Huntsville, AL	Apr 2015	May 2015	1	1,065.000	N		
Logistics Technology Assessment (LTA) SW		2016	TBS / TBS	C / FP	TBS	Feb 2016	Feb 2016	1	728.000	N		

Remarks:
All IT procurements consist of COTS/GOTS solutions; all quantities and unit costs vary by system configuration and site. AMCOM EC - Aviation & Missile Command Express Contracting; DCMA - Defense Contract Management Agency.

UNCLASSIFIED

Exhibit P-5, Cost Analysis: PB 2016 Army		Date: February 2015
Appropriation / Budget Activity / Budget Sub Activity: 2035A / 02 / 92		P-1 Line Item Number / Title: BD3000 / Automated Data Processing Equip
		Item Number / Title [DODIC]: BE4161 / HQ MANAGEMENT INFORMATION SYSTEMS

ID Code (A=Service Ready, B=Not Service Ready) :	MDAP/MAIS Code:
---	------------------------

Resource Summary	Prior Years	FY 2014	FY 2015	FY 2016 Base	FY 2016 OCO	FY 2016 Total
Procurement Quantity (Units in Each)	-	-	-	-	-	-
Gross/Weapon System Cost (\$ in Millions)	734.043	61.200	55.278	44.877	-	44.877
Less PY Advance Procurement (\$ in Millions)	-	-	-	-	-	-
Net Procurement (P1) (\$ in Millions)	734.043	61.200	55.278	44.877	-	44.877
Plus CY Advance Procurement (\$ in Millions)	-	-	-	-	-	-
Total Obligation Authority (\$ in Millions)	734.043	61.200	55.278	44.877	-	44.877

(The following Resource Summary rows are for informational purposes only. The corresponding budget requests are documented elsewhere.)

Initial Spares (\$ in Millions)	-	-	-	-	-	-
Gross/Weapon System Unit Cost (\$ in Thousands)	-	-	-	-	-	-

Note: Subtotals or Totals in this Exhibit P-5 may not be exact or add, due to rounding.

Cost Elements	Prior Years			FY 2014			FY 2015			FY 2016 Base			FY 2016 OCO			FY 2016 Total		
	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)
Hardware Cost																		
Non Recurring Cost																		
(HQDA ADPE) Hardware ^(†)	16,552.000	1	16.552	14,073.000	1	14.073	3,968.000	1	3.968	2,660.000	1	2.660	-	-	-	2,660.000	1	2.660
(PITI) Hardware ^(†)	705,223.000	1	705.223	34,240.000	1	34.240	34,235.000	1	34.235	34,391.000	1	34.391	-	-	-	34,391.000	1	34.391
SCC Hardware ^(†)	7,489.000	1	7.489	7,031.000	1	7.031	6,512.000	1	6.512	6,438.000	1	6.438	-	-	-	6,438.000	1	6.438
(LAAWS) Hardware ^(†)	-	-	-	-	-	-	700.000	1	0.700	-	-	-	-	-	-	-	-	-
<i>Subtotal: Non Recurring Cost</i>	-	-	729.264	-	-	55.344	-	-	45.415	-	-	43.489	-	-	-	-	-	43.489
Subtotal: Hardware Cost	-	-	729.264	-	-	55.344	-	-	45.415	-	-	43.489	-	-	-	-	-	43.489
Software Cost																		
Non Recurring Cost																		
(HQDA ADPE) Software ^(†)	1,838.000	1	1.838	496.000	1	0.496	1,700.000	1	1.700	-	-	-	-	-	-	-	-	-
(PITI) Software ^(†)	2,941.000	1	2.941	5,360.000	1	5.360	6,041.000	1	6.041	-	-	-	-	-	-	-	-	-
(LAAWS) Software ^(†)	-	-	-	-	-	-	761.000	1	0.761	-	-	-	-	-	-	-	-	-
<i>Subtotal: Non Recurring Cost</i>	-	-	4.779	-	-	5.856	-	-	8.502	-	-	-	-	-	-	-	-	-
Subtotal: Software Cost	-	-	4.779	-	-	5.856	-	-	8.502	-	-	-	-	-	-	-	-	-
Support Cost																		

UNCLASSIFIED

Exhibit P-5, Cost Analysis: PB 2016 Army		Date: February 2015
Appropriation / Budget Activity / Budget Sub Activity: 2035A / 02 / 92	P-1 Line Item Number / Title: BD3000 / Automated Data Processing Equip	Item Number / Title [DODIC]: BE4161 / HQ MANAGEMENT INFORMATION SYSTEMS
ID Code (A=Service Ready, B=Not Service Ready) :		MDAP/MAIS Code:

Note: Subtotals or Totals in this Exhibit P-5 may not be exact or add, due to rounding.

Cost Elements	Prior Years			FY 2014			FY 2015			FY 2016 Base			FY 2016 OCO			FY 2016 Total		
	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)
SCC Program Management Costs ^(†)	-	-	-	-	-	-	1,361.000	1	1.361	1,388.000	1	1.388	-	-	-	1,388.000	1	1.388
<i>Subtotal: Support Cost</i>	-	-	-	-	-	-	-	-	1.361	-	-	1.388	-	-	-	-	-	1.388
Gross/Weapon System Cost	-	-	734.043	-	-	61.200	-	-	55.278	-	-	44.877	-	-	-	-	-	44.877

Secondary Distribution		FY 2014	FY 2015	FY 2016 Base	FY 2016 OCO	FY 2016 Total
Army	Quantity	-	-	-	-	-
	Total Obligation Authority	61.200	55.278	44.877	-	44.877
Total: Secondary Distribution	Quantity	-	-	-	-	-
	Total Obligation Authority	61.200	55.278	44.877	-	44.877

^(†) indicates the presence of a P-5a

UNCLASSIFIED

Exhibit P-5a, Procurement History and Planning: PB 2016 Army							Date: February 2015					
Appropriation / Budget Activity / Budget Sub Activity: 2035A / 02 / 92			P-1 Line Item Number / Title: BD3000 / Automated Data Processing Equip				Item Number / Title [DODIC]: BE4161 / HQ MANAGEMENT INFORMATION SYSTEMS					

Cost Elements	O C O	FY	Contractor and Location	Method/Type or Funding Vehicle	Location of PCO	Award Date	Date of First Delivery	Qty (Each)	Unit Cost (\$ K)	Specs Avail Now?	Date Revision Available	RFP Issue Date
(HQDA ADPE) Hardware		2014	Defense Engineering, Inc / Arlington, VA	C / FFP	ACC-RI, Rock Island, IL	Apr 2014	Jun 2014	1	14,073.000	N		
(HQDA ADPE) Hardware		2015	TBS / TBS	C / FFP	TBS	May 2015	Jul 2015	1	3,968.000	N		
(HQDA ADPE) Hardware		2016	TBS / TBS	C / FFP	TBS	Apr 2016	Jul 2016	1	2,660.000	N		
(PITI) Hardware		2014	Defense Engineering, Inc / Arlington, VA	C / FFP	ACC-RI, Rock Island, IL	May 2014	Jul 2014	1	29,814.000	N		
(PITI) Hardware		2014	Booz Allen Hamilton Inc. / McLean, VA	C / FFP	ACC-RI, Rock Island, IL	Aug 2014	Sep 2014	-	4,425.000	N		
(PITI) Hardware		2015	TBS / TBS	C / FFP	TBS	May 2015	Jul 2015	1	34,235.000	N		
(PITI) Hardware		2016	TBS / TBS	C / FFP	TBS	Mar 2016	May 2016	1	34,391.000	N		
SCC Hardware		2014	USAESC-H / Huntsville, AL	MIPR	PM I3C2, Ft. Belvoir, VA	Aug 2014	Aug 2015	1	1,903.000	N		
SCC Hardware		2014	Iron Bow Technologies, LLC / Chantilly, VA	C / FP	ACC-RI, Rock Island, IL	Jul 2014	Aug 2014	-	2,509.000	N		
SCC Hardware		2014	World Wide Technology, Inc / Maryland Heights, MO	C / FP	ACC-RI, Rock Island, IL	Apr 2014	May 2014	-	1,466.000	N		
SCC Hardware		2014	EPS & CORNET / Tinton Falls, NJ	C / FP	ACC-RI, Rock Island, IL	Aug 2014	Aug 2014	-	1,153.000	N		
SCC Hardware		2015	TBS / TBS	C / FP	TBS	Jun 2015	Sep 2015	1	6,512.000	N		
SCC Hardware		2016	TBS / TBS	C / FP	TBS	Mar 2016	Jul 2016	1	6,438.000	N		
(LAAWS) Hardware		2015	TBS / TBS	C / FP	TBS	Apr 2015	Jun 2015	1	700.000	N		
(HQDA ADPE) Software		2014	Defense Engineering, Inc / Arlington, VA	C / FFP	ACC-RI, Rock Island, IL	Aug 2014	Sep 2014	1	496.000	N		
(HQDA ADPE) Software		2015	TBS / TBS	C / FFP	TBS	Jun 2015	Aug 2015	1	1,700.000	N		
(PITI) Software		2014	Carahsoft Tech Corp / Reston, VA	C / FFP	ACC-RI, Rock Island, IL	Jun 2014	Aug 2014	1	3,988.000	N		
(PITI) Software		2014	DLT Solutions / Herndon, VA	C / FFP	ACC-RI, Rock Island, IL	Jun 2014	Sep 2014	-	1,372.000	N		
(PITI) Software		2015	TBS / TBS	C / FFP	TBS	Jun 2015	Aug 2015	1	6,041.000	N		
(LAAWS) Software		2015	TBS / TBS	C / FFP	TBS	Apr 2015	Jun 2015	1	761.000	N		
SCC Program Management Costs		2015	PM I3C2 / Ft. Belvoir, VA	RO	PEO EIS, Ft. Belvoir, VA	Oct 2014	Sep 2015	1	1,361.000	N		
SCC Program Management Costs		2016	PM I3C2 / Ft. Belvoir, VA	RO	PEO EIS, Ft. Belvoir, VA	Oct 2015	Sep 2016	1	1,388.000	N		

Remarks:
All IT procurements consist of COTS/GOTS solutions; all quantities and unit costs vary by system configuration and site. ACC-RI - Army Contracting Command-Rock Island; USAESC-H - US Army Engineering Support Center-Huntsville; PM I3C2 - Product Manager, Installation Information Infrastructure-Communications and Capabilities; PEO EIS - Program Executive Office, Enterprise Information Systems.

UNCLASSIFIED

Exhibit P-5, Cost Analysis: PB 2016 Army		Date: February 2015
Appropriation / Budget Activity / Budget Sub Activity: 2035A / 02 / 92		P-1 Line Item Number / Title: BD3000 / Automated Data Processing Equip
		Item Number / Title [DODIC]: BE4162 / MACOM AUTOMATION SYSTEMS

ID Code (A=Service Ready, B=Not Service Ready) :	MDAP/MAIS Code:
---	------------------------

Resource Summary	Prior Years	FY 2014	FY 2015	FY 2016 Base	FY 2016 OCO	FY 2016 Total
Procurement Quantity (Units in Each)	-	-	-	-	-	-
Gross/Weapon System Cost (\$ in Millions)	1,210.632	66.173	45.954	23.467	0.652	24.119
Less PY Advance Procurement (\$ in Millions)	-	-	-	-	-	-
Net Procurement (P1) (\$ in Millions)	1,210.632	66.173	45.954	23.467	0.652	24.119
Plus CY Advance Procurement (\$ in Millions)	-	-	-	-	-	-
Total Obligation Authority (\$ in Millions)	1,210.632	66.173	45.954	23.467	0.652	24.119

(The following Resource Summary rows are for informational purposes only. The corresponding budget requests are documented elsewhere.)

Initial Spares (\$ in Millions)	-	-	-	-	-	-
Gross/Weapon System Unit Cost (\$ in Thousands)	-	-	-	-	-	-

Note: Subtotals or Totals in this Exhibit P-5 may not be exact or add, due to rounding.

Cost Elements	Prior Years			FY 2014			FY 2015			FY 2016 Base			FY 2016 OCO			FY 2016 Total		
	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)
Hardware Cost																		
Recurring Cost																		
(ATIA) Hardware ^(†)	525.000	1	0.525	842.000	1	0.842	606.000	1	0.606	446.000	1	0.446	-	-	-	446.000	1	0.446
(ANV) Hardware ^(†)	-	-	-	2,600.000	1	2.600	1,410.000	1	1.410	1,528.000	1	1.528	-	-	-	1,528.000	1	1.528
(AOS) Hardware ^(†)	-	-	-	-	-	-	698.000	1	0.698	337.000	1	0.337	-	-	-	337.000	1	0.337
<i>Subtotal: Recurring Cost</i>	-	-	0.525	-	-	3.442	-	-	2.714	-	-	2.311	-	-	-	-	-	2.311
Non Recurring Cost																		
(ACI) Army-wide Hardware ^(†)	106,344.000	1	106.344	50,184.000	1	50.184	35,817.000	1	35.817	11,655.000	1	11.655	-	-	-	11,655.000	1	11.655
(BLCSE) Hardware ^(†)	8,678.000	1	8.678	1,396.000	1	1.396	1,447.000	1	1.447	1,426.000	1	1.426	-	-	-	1,426.000	1	1.426
(TIABCSTB) Hardware ^(†)	1,149.000	1	1.149	1,185.000	1	1.185	658.000	1	0.658	1,125.000	1	1.125	-	-	-	1,125.000	1	1.125
(SPS) Hardware ^(†)	2,373.000	1	2.373	728.000	1	0.728	-	-	-	-	-	-	-	-	-	-	-	-
(ALTESS) Hardware ^(†)	21,268.000	1	21.268	1,557.000	1	1.557	713.000	1	0.713	-	-	-	-	-	-	-	-	-
(AcqBiz) Hardware	4,825.000	1	4.825	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
(AFRICOM HQ ADPE) Hardware ^(†)	-	-	-	-	-	-	3,999.000	1	3.999	4,402.000	1	4.402	-	-	-	4,402.000	1	4.402
(KT) Hardware	109,515.000	1	109.515	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
(DRSN) Hardware	9,653.000	1	9.653	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
(AKO) Hardware ^(†)	70,534.000	1	70.534	3,000.000	1	3.000	-	-	-	-	-	-	-	-	-	-	-	-

UNCLASSIFIED

Exhibit P-5, Cost Analysis: PB 2016 Army		Date: February 2015
Appropriation / Budget Activity / Budget Sub Activity: 2035A / 02 / 92	P-1 Line Item Number / Title: BD3000 / Automated Data Processing Equip	Item Number / Title [DODIC]: BE4162 / MACOM AUTOMATION SYSTEMS

ID Code (A=Service Ready, B=Not Service Ready) :	MDAP/MAIS Code:
---	------------------------

Note: Subtotals or Totals in this Exhibit P-5 may not be exact or add, due to rounding.

Cost Elements	Prior Years			FY 2014			FY 2015			FY 2016 Base			FY 2016 OCO			FY 2016 Total		
	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)
(TJAGLCS Infrastructure) Hardware ^(†)	-	-	-	-	-	-	-	-	-	741.000	1	0.741	-	-	-	741.000	1	0.741
(COIC) Hardware ^(†)	-	-	-	-	-	-	-	-	-	-	-	-	652.000	1	0.652	652.000	1	0.652
USFK TMT ^(†)	-	-	-	491.000	1	0.491	-	-	-	-	-	-	-	-	-	-	-	-
EUCOM SIPR/NIPR VDI ^(†)	-	-	-	4,142.000	1	4.142	-	-	-	-	-	-	-	-	-	-	-	-
<i>Subtotal: Non Recurring Cost</i>	-	-	334.339	-	-	62.683	-	-	42.634	-	-	19.349	-	-	0.652	-	-	20.001
<i>Subtotal: Hardware Cost</i>	-	-	334.864	-	-	66.125	-	-	45.348	-	-	21.660	-	-	0.652	-	-	22.312
Software Cost																		
Recurring Cost																		
(ACI) Army-wide Software	736,301.000	1	736.301	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Army Computing Infrastructure	77,053.000	1	77.053	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
<i>Subtotal: Recurring Cost</i>	-	-	813.354	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Non Recurring Cost																		
(ACI) Army-wide Software	42,374.000	1	42.374	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
(BLSCE) Software	523.000	1	0.523	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
(TIABCSTB) Software ^(†)	-	-	-	-	-	-	451.000	1	0.451	-	-	-	-	-	-	-	-	-
(ATIA) Software ^(†)	119.000	1	0.119	48.000	1	0.048	155.000	1	0.155	151.000	1	0.151	-	-	-	151.000	1	0.151
(SPS) Software	804.000	1	0.804	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
(AcqBiz) Software	710.000	1	0.710	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
(ISM) Software	835.000	1	0.835	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
(KT) Software	17,049.000	1	17.049	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
(TJAGLCS Infrastructure) Software ^(†)	-	-	-	-	-	-	-	-	-	350.000	1	0.350	-	-	-	350.000	1	0.350
<i>Subtotal: Non Recurring Cost</i>	-	-	62.414	-	-	0.048	-	-	0.606	-	-	0.501	-	-	-	-	-	0.501
<i>Subtotal: Software Cost</i>	-	-	875.768	-	-	0.048	-	-	0.606	-	-	0.501	-	-	-	-	-	0.501
Support Cost																		

UNCLASSIFIED

Exhibit P-5, Cost Analysis: PB 2016 Army		Date: February 2015
Appropriation / Budget Activity / Budget Sub Activity: 2035A / 02 / 92	P-1 Line Item Number / Title: BD3000 / Automated Data Processing Equip	Item Number / Title [DODIC]: BE4162 / MACOM AUTOMATION SYSTEMS
ID Code (A=Service Ready, B=Not Service Ready) :		MDAP/MAIS Code:

Note: Subtotals or Totals in this Exhibit P-5 may not be exact or add, due to rounding.

Cost Elements	Prior Years			FY 2014			FY 2015			FY 2016 Base			FY 2016 OCO			FY 2016 Total		
	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)
(ACI) Program Management Costs ^(†)	-	-	-	-	-	-	-	-	-	1,306.000	1	1.306	-	-	-	1,306.000	1	1.306
<i>Subtotal: Support Cost</i>	-	-	-	-	-	-	-	-	-	-	-	1.306	-	-	-	-	-	1.306
Gross/Weapon System Cost	-	-	1,210.632	-	-	66.173	-	-	45.954	-	-	23.467	-	-	0.652	-	-	24.119

Secondary Distribution		FY 2014	FY 2015	FY 2016 Base	FY 2016 OCO	FY 2016 Total
Army	Quantity	-	-	-	-	-
	Total Obligation Authority	66.173	45.954	23.467	0.652	24.119
Total: Secondary Distribution	Quantity	-	-	-	-	-
	Total Obligation Authority	66.173	45.954	23.467	0.652	24.119

(†) indicates the presence of a P-5a

UNCLASSIFIED

Exhibit P-5a, Procurement History and Planning: PB 2016 Army								Date: February 2015				
Appropriation / Budget Activity / Budget Sub Activity: 2035A / 02 / 92			P-1 Line Item Number / Title: BD3000 / Automated Data Processing Equip					Item Number / Title [DODIC]: BE4162 / MACOM AUTOMATION SYSTEMS				
Cost Elements	O C O	FY	Contractor and Location	Method/Type or Funding Vehicle	Location of PCO	Award Date	Date of First Delivery	Qty <i>(Each)</i>	Unit Cost <i>(\$ K)</i>	Specs Avail Now?	Date Revision Available	RFP Issue Date
(ATIA) Hardware		2014	Iron Bow Technologies / Chantilly, VA	C / FP	MICC, Ft. Eustis, VA	Jun 2014	Aug 2014	1	842.000	N		
(ATIA) Hardware		2015	TBS / TBS	C / FP	TBS	Jul 2015	Sep 2015	1	606.000	N		
(ATIA) Hardware		2016	TBS / TBS	C / FP	TBS	Jul 2016	Sep 2016	1	446.000	N		
(ANV) Hardware		2014	TBS / TBS	C / FP	MICC, Monterey, CA	Feb 2015	Jun 2015	1	2,296.000	N		
(ANV) Hardware		2014	Naval Postgraduate School / Monterey, CA	MIPR	TRADOC, Ft. Eustis, VA	Jun 2014	Jun 2014	-	304.000	N		
(ANV) Hardware		2015	TBS / TBS	C / FP	TBS	Jul 2015	Sep 2015	1	1,410.000	N		
(ANV) Hardware		2016	TBS / TBS	C / FP	TBS	Feb 2016	Mar 2016	1	1,528.000	N		
(AOS) Hardware		2015	TBS / TBS	C / FP	TBS	Oct 2014	Sep 2015	1	698.000	N		
(AOS) Hardware		2016	TBS / TBS	C / FP	TBS	Oct 2015	Sep 2016	1	337.000	N		
(ACI) Army-wide Hardware		2014	DISA DITCO / Scott Air Force Base, IL	MIPR	PEO EIS, Ft. Belvoir, VA	Jul 2014	Aug 2014	1	38,082.000	N		
(ACI) Army-wide Hardware		2014	CDW-Government / Vernon Hills, IL	C / FP	ACC RI, Rock Island, IL	Dec 2014	Jan 2015	-	3,926.000	N		
(ACI) Army-wide Hardware		2014	Department of the Interior / Herndon, VA	MIPR	PEO EIS, Ft. Belvoir, VA	May 2014	Jul 2014	-	7,500.000	N		
(ACI) Army-wide Hardware		2014	TBS / TBS	C / FP	TBS	Jun 2015	Aug 2015	-	676.000	N		
(ACI) Army-wide Hardware		2015	TBS / TBS	C / FP	TBD	Mar 2015	Apr 2015	1	35,817.000	N		
(ACI) Army-wide Hardware		2016	TBS / TBS	C / FP	TBS	Mar 2016	Apr 2016	1	11,655.000	N		
(BLCSE) Hardware		2014	CDW-Government / Vernon Hills, IL	C / FP	MICC, Ft. Gordon, GA	Jul 2014	Jul 2014	1	47.000	N		
(BLCSE) Hardware		2014	World Wide Technology / Maryland Heights, MO	C / FP	MICC, Ft. Gordon, GA	Jun 2014	Jun 2014	-	815.000	N		
(BLCSE) Hardware		2014	Telos Corporation / Ashburn, VA	C / FP	MICC, Ft. Eustis, VA	Sep 2014	Oct 2014	-	18.000	N		
(BLCSE) Hardware		2014	Communications Supply Corp / Chesapeake, VA	C / FP	MICC, Ft. Eustis, VA	Oct 2014	Oct 2014	-	2.000	N		
(BLCSE) Hardware		2014	Iron Bow Technologies / Chantilly, VA	C / FP	MICC, Ft. Eustis, VA	Nov 2014	Nov 2014	-	276.000	N		
(BLCSE) Hardware		2014	Data Security, Inc. / Lincoln, NE	C / FP	MICC, Ft. Eustis, VA	Jan 2015	Feb 2015	-	22.000	N		
(BLCSE) Hardware		2014	PANAMERICAN Computers, Inc. / Luray, VA	C / FP	MICC, Ft. Eustis, VA	Jan 2015	Feb 2015	-	2.000	N		
(BLCSE) Hardware		2014	TBS / TBS	C / FP	MICC, Ft. Eustis, VA	Mar 2015	Apr 2015	-	214.000	N		
(BLCSE) Hardware		2015	TBS / TBS	C / FP	MICC, Ft. Gordon, GA	Jun 2015	Aug 2015	1	1,447.000	N		
(BLCSE) Hardware		2016	TBS / TBS	C / FP	TBS	Feb 2016	Mar 2016	1	1,426.000	N		
(TIABCSTB) Hardware		2014	Lintech Global, Inc. / Farmington Hills, MI	C / FP	MICC, Ft. Eustis, VA	Aug 2014	Mar 2015	1	1,185.000	N		
(TIABCSTB) Hardware		2015	TBS / TBS	C / FP	MICC, Ft. Eustis, VA	Sep 2015	Mar 2016	1	658.000	N		
(TIABCSTB) Hardware		2016	TBS / TBS	C / FP	MICC, Ft. Eustis, VA	Aug 2016	Sep 2016	1	1,125.000	N		
(SPS) Hardware		2014	Iron Bow Technologies / Chantilly, VA	C / FP	ACC, APG, MD	Jul 2014	Aug 2014	1	179.000	N		

UNCLASSIFIED

Exhibit P-5a, Procurement History and Planning: PB 2016 Army								Date: February 2015				
Appropriation / Budget Activity / Budget Sub Activity: 2035A / 02 / 92			P-1 Line Item Number / Title: BD3000 / Automated Data Processing Equip					Item Number / Title [DODIC]: BE4162 / MACOM AUTOMATION SYSTEMS				
Cost Elements	O C O	FY	Contractor and Location	Method/Type or Funding Vehicle	Location of PCO	Award Date	Date of First Delivery	Qty (Each)	Unit Cost (\$ K)	Specs Avail Now?	Date Revision Available	RFP Issue Date
(SPS) Hardware		2014	Accenture Federal Services LLC / Arlington, VA	C / FP	ACC, Rock Island, IL	Jun 2014	Jun 2014	-	93.000	N		
(SPS) Hardware		2014	Dell Federal Systems LP / Rock Round, TX	C / FP	ACC, Picatinny Arsenal, NJ	Sep 2014	Oct 2014	-	64.000	N		
(SPS) Hardware		2014	Data Systems Analysts, Inc / Fairfax, VA	C / FP	ACC, Picatinny Arsenal, NJ	Sep 2014	Oct 2014	-	181.000	N		
(SPS) Hardware		2014	Trident Computer Resources Inc / Eatontown, NJ	C / FP	ACC, Picatinny Arsenal, NJ	Sep 2015	Oct 2015	-	3.000	N		
(SPS) Hardware		2014	TBS / TBS	C / FP	ACC-RSA, Red Stone Arsenal, AL	Feb 2015	Mar 2015	-	207.000	N		
(ALTESS) Hardware		2014	CDW-Government / Vernon Hills, IL	C / FP	ACC, Picatinny Arsenal, NJ	May 2014	Sep 2014	1	139.000	N		
(ALTESS) Hardware		2014	Iron Bow Technologies / Chantilly, VA	C / FP	ACC, Picatinny Arsenal, NJ	Sep 2014	Oct 2014	-	429.000	N		
(ALTESS) Hardware		2014	World Wide Technology / Maryland Heights, MO	C / FP	ACC, Picatinny Arsenal, NJ	Sep 2014	Oct 2014	-	725.000	N		
(ALTESS) Hardware		2014	TBS / TBS	C / FP	ACC, Picatinny Arsenal, NJ	May 2015	May 2015	-	264.000	N		
(ALTESS) Hardware		2015	TBS / TBS	C / FP	TBS	Feb 2015	Mar 2015	1	713.000	N		
(AFRICOM HQ ADPE) Hardware		2015	TBS / TBS	C / FP	TBS	Apr 2015	Jul 2015	1	3,999.000	N		
(AFRICOM HQ ADPE) Hardware		2016	TBS / TBS	C / FP	TBS	Mar 2016	Apr 2016	1	4,402.000	N		
(AKO) Hardware		2014	World Wide Technology / Maryland Heights, MO	C / FP	ACC RI, Rock Island, IL	Sep 2014	Oct 2014	1	288.000	N		
(AKO) Hardware		2014	US BANCORP / Minneapolis, MN	C / FP	ACC RI, Rock Island, IL	Sep 2014	Oct 2014	-	2.000	N		
(AKO) Hardware		2014	Flowerfire, INC / Santa Cruz, CA	C / FP	ACC RI, Rock Island, IL	Sep 2014	Nov 2014	-	11.000	N		
(AKO) Hardware		2014	IMMIX Technology, INC / McLean, VA	C / FP	ACC RI, Rock Island, IL	Nov 2014	Jan 2015	-	16.000	N		
(AKO) Hardware		2014	TBS / TBS	C / FP	ACC RI, Rock Island, IL	Feb 2015	Mar 2015	-	2,683.000	N		
(TJAGLCS Infrastructure) Hardware		2016	TBS / TBS	C / FP	MICC, Ft. Lee, VA	Oct 2015	Oct 2016	1	741.000	N		
(COIC) Hardware	✓	2016	TBS / TBS	C / FP	TBS	Jan 2016	Mar 2016	1	652.000	N		
USFK TMT		2014	Insight Public Sector, Inc. / Chantilly, VA	C / FP	TBS	Jan 2015	Apr 2015	1	83.000	N		
USFK TMT		2014	CDW-Government / Vernon Hills, IL	C / FP	TBS	Jan 2015	Apr 2015	-	27.000	N		
USFK TMT		2014	Accenture Federal Services LLC / Arlington, VA	C / FP	TBS	Sep 2014	Dec 2014	-	263.000	N		
USFK TMT		2014	Insight Public Sector, Inc. / Tempe, AZ	C / FP	TBS	Sep 2014	Dec 2014	-	42.000	N		
USFK TMT		2014	Dell Federal Systems LP / Rock Round, TX	C / FP	TBS	Sep 2014	Dec 2014	-	22.000	N		
USFK TMT		2014	TBS / TBS	C / FP	TBS	Mar 2015	Jun 2015	-	54.000	N		
EUCOM SIPR/NIPR VDI		2014	GSA / Washington, DC	MIPR	EUCOM, Stuttgart, Germany	Sep 2014	Dec 2014	1	4,142.000	N		

UNCLASSIFIED

Exhibit P-5a, Procurement History and Planning: PB 2016 Army							Date: February 2015					
Appropriation / Budget Activity / Budget Sub Activity: 2035A / 02 / 92			P-1 Line Item Number / Title: BD3000 / Automated Data Processing Equip				Item Number / Title [DODIC]: BE4162 / MACOM AUTOMATION SYSTEMS					

Cost Elements	O C O	FY	Contractor and Location	Method/Type or Funding Vehicle	Location of PCO	Award Date	Date of First Delivery	Qty <i>(Each)</i>	Unit Cost <i>(\$ K)</i>	Specs Avail Now?	Date Revision Available	RFP Issue Date
(TIABCSTB) Software		2015	TBS / TBS	C / FP	MICC, Ft. Eustis, VA	Sep 2015	Mar 2016	1	451.000	N		
(ATIA) Software		2014	Iron Bow Technologies / Chantilly, VA	C / FP	MICC, Ft. Eustis, VA	Jun 2014	Aug 2014	1	48.000	N		
(ATIA) Software		2015	TBS / TBS	C / FP	TBS	Jul 2015	Sep 2015	1	155.000	N		
(ATIA) Software		2016	TBS / TBS	C / FP	TBS	Jul 2016	Sep 2016	1	151.000	N		
(TJAGLCS Infrastructure) Software		2016	TBS / TBS	C / FP	MICC, Ft. Lee, VA	Oct 2015	Aug 2016	1	350.000	N		
(ACI) Program Management Costs		2016	PM I3C2 / Ft. Belvoir, VA	RO	PEO EIS, Ft. Belvoir, VA	Mar 2016	May 2016	1	1,306.000	N		

Remarks:

All IT procurements consist of COTS/GOTS solutions; all quantities and unit costs vary by system configuration and site. MICC - Mission Installation Contracting Center; DOI - Department of Interior; ACC - Army Contracting Command; APG - Aberdeen Proving Ground; DISA DITCO - Defense Information Systems Agency Defense Information Technology Contracting Organization; PM I3C2 - Product Manager Installation Information Infrastructure-Communications and Capabilities; PEO EIS - Program Executive Office, Enterprise Information Systems.

UNCLASSIFIED

Exhibit P-5, Cost Analysis: PB 2016 Army		Date: February 2015
Appropriation / Budget Activity / Budget Sub Activity: 2035A / 02 / 92		P-1 Line Item Number / Title: BD3000 / Automated Data Processing Equip
		Item Number / Title [DODIC]: BE4164 / PERSONNEL AUTOMATION SYSTEMS

ID Code (A=Service Ready, B=Not Service Ready) :	MDAP/MAIS Code:
---	------------------------

Resource Summary	Prior Years	FY 2014	FY 2015	FY 2016 Base	FY 2016 OCO	FY 2016 Total
Procurement Quantity (Units in Each)	-	-	-	-	-	-
Gross/Weapon System Cost (\$ in Millions)	733.967	31.230	31.569	31.373	-	31.373
Less PY Advance Procurement (\$ in Millions)	-	-	-	-	-	-
Net Procurement (P1) (\$ in Millions)	733.967	31.230	31.569	31.373	-	31.373
Plus CY Advance Procurement (\$ in Millions)	-	-	-	-	-	-
Total Obligation Authority (\$ in Millions)	733.967	31.230	31.569	31.373	-	31.373

(The following Resource Summary rows are for informational purposes only. The corresponding budget requests are documented elsewhere.)

Initial Spares (\$ in Millions)	-	-	-	-	-	-
Gross/Weapon System Unit Cost (\$ in Thousands)	-	-	-	-	-	-

Note: Subtotals or Totals in this Exhibit P-5 may not be exact or add, due to rounding.

Cost Elements	Prior Years			FY 2014			FY 2015			FY 2016 Base			FY 2016 OCO			FY 2016 Total		
	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)
Hardware Cost																		
Recurring Cost																		
(ACCHR) Recurring Hardware ^(†)	-	-	-	-	-	-	-	-	-	4,143.000	1	4.143	-	-	-	4,143.000	1	4.143
(USMA) Hardware ^(†)	8,756.000	1	8.756	4,120.000	1	4.120	3,179.000	1	3.179	-	-	-	-	-	-	-	-	-
(AA-IAA) Hardware ^(†)	18,040.000	1	18.040	7,764.000	1	7.764	9,708.000	1	9.708	7,882.000	1	7.882	-	-	-	7,882.000	1	7.882
<i>Subtotal: Recurring Cost</i>	-	-	26.796	-	-	11.884	-	-	12.887	-	-	12.025	-	-	-	-	-	12.025
Non Recurring Cost																		
(PES-A) Hardware ^(†)	675,601.000	1	675.601	11,306.000	1	11.306	11,101.000	1	11.101	10,194.000	1	10.194	-	-	-	10,194.000	1	10.194
(MIRS) Hardware ^(†)	23,228.000	1	23.228	4,843.000	1	4.843	5,443.000	1	5.443	6,721.000	1	6.721	-	-	-	6,721.000	1	6.721
(ACCHR) NonRecurring Hardware ^(†)	6,331.000	1	6.331	2,767.000	1	2.767	1,000.000	1	1.000	-	-	-	-	-	-	-	-	-
Keystone Hardware ^(†)	-	-	-	-	-	-	-	-	-	2,433.000	1	2.433	-	-	-	2,433.000	1	2.433
<i>Subtotal: Non Recurring Cost</i>	-	-	705.160	-	-	18.916	-	-	17.544	-	-	19.348	-	-	-	-	-	19.348
<i>Subtotal: Hardware Cost</i>	-	-	731.956	-	-	30.800	-	-	30.431	-	-	31.373	-	-	-	-	-	31.373
Software Cost																		
Non Recurring Cost																		
(ACCHR) Software ^(†)	2,011.000	1	2.011	430.000	1	0.430	1,138.000	1	1.138	-	-	-	-	-	-	-	-	-

UNCLASSIFIED

Exhibit P-5, Cost Analysis: PB 2016 Army		Date: February 2015
Appropriation / Budget Activity / Budget Sub Activity: 2035A / 02 / 92		P-1 Line Item Number / Title: BD3000 / Automated Data Processing Equip
ID Code (A=Service Ready, B=Not Service Ready) :		MDAP/MAIS Code:
Item Number / Title [DODIC]: BE4164 / PERSONNEL AUTOMATION SYSTEMS		

Note: Subtotals or Totals in this Exhibit P-5 may not be exact or add, due to rounding.

Cost Elements	Prior Years			FY 2014			FY 2015			FY 2016 Base			FY 2016 OCO			FY 2016 Total		
	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)
<i>Subtotal: Non Recurring Cost</i>	-	-	2.011	-	-	0.430	-	-	1.138	-	-	-	-	-	-	-	-	-
<i>Subtotal: Software Cost</i>	-	-	2.011	-	-	0.430	-	-	1.138	-	-	-	-	-	-	-	-	-
Gross/Weapon System Cost	-	-	733.967	-	-	31.230	-	-	31.569	-	-	31.373	-	-	-	-	-	31.373

Secondary Distribution		FY 2014	FY 2015	FY 2016 Base	FY 2016 OCO	FY 2016 Total
Army	Quantity	-	-	-	-	-
	Total Obligation Authority	31.230	31.569	31.373	-	31.373
Total:	Quantity	-	-	-	-	-
Secondary Distribution	Total Obligation Authority	31.230	31.569	31.373	-	31.373

(t) indicates the presence of a P-5a

UNCLASSIFIED

Exhibit P-5a, Procurement History and Planning: PB 2016 Army **Date:** February 2015

Appropriation / Budget Activity / Budget Sub Activity: 2035A / 02 / 92	P-1 Line Item Number / Title: BD3000 / Automated Data Processing Equip	Item Number / Title [DODIC]: BE4164 / PERSONNEL AUTOMATION SYSTEMS
--	--	--

Cost Elements	O C O	FY	Contractor and Location	Method/Type or Funding Vehicle	Location of PCO	Award Date	Date of First Delivery	Qty <i>(Each)</i>	Unit Cost <i>(\$ K)</i>	Specs Avail Now?	Date Revision Available	RFP Issue Date
(ACCHR) Recurring Hardware		2016	TBS / TBS	C / FP	TBS	May 2016	Aug 2016	1	4,143.000	N		
(USMA) Hardware		2014	Dell Marketing, LP / Round Rock, TX	C / FP	MICC, West Point, NY	Sep 2014	Sep 2014	1	1,536.000	N		
(USMA) Hardware		2014	Iron Bow / Chantilly, VA	C / FP	MICC, West Point, NY	Sep 2014	Oct 2014	-	453.000	N		
(USMA) Hardware		2014	CDW Government, LLC / Vernon Hills, IL	C / FP	MICC, West Point, NY	Aug 2014	Aug 2014	-	270.000	N		
(USMA) Hardware		2014	ClearShark, LLC / Hanover, MD	C / FP	MICC, West Point, NY	Sep 2014	Oct 2014	-	314.000	N		
(USMA) Hardware		2014	World Wide Technology / Maryland Heights, MO	C / FP	MICC, West Point, NY	Sep 2014	Oct 2014	-	226.000	N		
(USMA) Hardware		2014	James Jordan / Dumfries, VA	C / FP	MICC, West Point, NY	Aug 2014	Aug 2014	-	5.000	N		
(USMA) Hardware		2014	TBS / TBS	C / FP	MICC, West Point, NY	Feb 2015	Apr 2015	-	1,038.000	N		
(USMA) Hardware		2015	TBS / TBS	C / FFP	MICC, West Point, NY	Jan 2015	Jun 2015	1	3,179.000	N		
(AA-IAA) Hardware		2014	World Wide Technology / Maryland Heights, MO	C / FFP	MICC, Ft. Knox, KY	Jul 2014	Aug 2014	1	5,264.000	N		
(AA-IAA) Hardware		2014	CDW Government, LLC / Vernon Hills, IL	C / FFP	MICC, Ft. Knox, KY	Jul 2014	Aug 2014	-	2,338.000	N		
(AA-IAA) Hardware		2014	TBS / TBS	C / FFP	MICC, Ft. Knox, KY	Apr 2015	Jun 2015	-	162.000	N		
(AA-IAA) Hardware		2015	TBS / TBS	C / FFP	TBS	Apr 2015	Jun 2015	1	9,708.000	N		
(AA-IAA) Hardware		2016	TBS / TBS	C / FFP	TBS	Feb 2016	May 2016	1	7,882.000	N		
(PES-A) Hardware		2014	Dell Marketing, LP / Round Rock, TX	C / FP	MICC, Ft. Knox, KY	Mar 2014	May 2014	1	858.000	N		
(PES-A) Hardware		2014	CDW Government, LLC / Vernon Hills, IL	C / FP	MICC, Ft. Knox, KY	Apr 2014	Aug 2014	-	756.000	N		
(PES-A) Hardware		2014	World Wide Technology / Maryland Heights, MO	C / FP	MICC, Ft. Knox, KY	Apr 2014	Aug 2014	-	9,401.000	N		
(PES-A) Hardware		2014	TBS / TBS	C / FP	MICC, Ft. Knox, KY	Apr 2015	Jun 2015	-	291.000	N		
(PES-A) Hardware		2015	TBS / TBS	C / FFP	MICC, Ft. Knox, KY	Mar 2015	Jul 2015	1	11,101.000	N		
(PES-A) Hardware		2016	TBS / TBS	C / FFP	MICC, Ft. Knox, KY	Mar 2016	Jun 2016	1	10,194.000	N		
(MIRS) Hardware		2014	CDW Government, LLC / Vernon Hills, IL	C / FFP	MICC, Ft. Knox, KY	Sep 2014	Oct 2014	1	578.000	N		
(MIRS) Hardware		2014	World Wide Technology / Maryland Heights, MO	C / FFP	MICC, Ft. Knox, KY	Sep 2014	Sep 2014	-	1,489.000	N		
(MIRS) Hardware		2014	TBS / TBS	C / FFP	MICC, Ft. Knox, KY	Feb 2015	Feb 2015	-	355.000	N		
(MIRS) Hardware - 2		2014	TBS / TBS	C / FFP	MICC, Ft. Knox, KY	Mar 2015	Apr 2015	-	2,421.000	N		
(MIRS) Hardware		2015	TBS / TBS	C / FFP	TBS	Mar 2015	Apr 2015	1	1,994.000	N		
(MIRS) Hardware - 2		2015	TBS / TBS	C / FFP	TBS	Feb 2015	Mar 2015	-	604.000	N		
(MIRS) Hardware - 3		2015	TBS / TBS	C / FFP	TBS	Jun 2015	Jul 2015	-	2,845.000	N		

UNCLASSIFIED

Exhibit P-5a, Procurement History and Planning: PB 2016 Army							Date: February 2015					
Appropriation / Budget Activity / Budget Sub Activity: 2035A / 02 / 92			P-1 Line Item Number / Title: BD3000 / Automated Data Processing Equip				Item Number / Title [DODIC]: BE4164 / PERSONNEL AUTOMATION SYSTEMS					
Cost Elements	O C O	FY	Contractor and Location	Method/Type or Funding Vehicle	Location of PCO	Award Date	Date of First Delivery	Qty <i>(Each)</i>	Unit Cost <i>(\$ K)</i>	Specs Avail Now?	Date Revision Available	RFP Issue Date
(MIRS) Hardware		2016	TBS / TBS	C / FP	TBS	Apr 2016	Jun 2016	1	6,721.000	N		
(ACCHR) NonRecurring Hardware		2014	Integration Technologies Group / Falls Church, VA	C / FP	MICC, Ft. Knox, KY	Jun 2014	Jul 2014	1	218.000	N		
(ACCHR) NonRecurring Hardware		2014	Dell Marketing, LP / Round Rock, TX	C / FP	MICC, Ft. Knox, KY	Sep 2014	Sep 2014	-	1,697.000	N		
(ACCHR) NonRecurring Hardware		2014	TELOS Corporation / Ashburn, VA	C / FP	MICC, Ft. Knox, KY	Sep 2014	Oct 2014	-	852.000	N		
(ACCHR) NonRecurring Hardware		2015	TBS / TBS	C / FP	TBS	Mar 2015	May 2015	1	1,000.000	N		
Keystone Hardware		2016	TBS / TBS	C / FFP	TBS	May 2016	Jul 2016	1	2,433.000	N		
(ACCHR) Software		2014	TBS / TBS	C / FP	TBS	Jul 2014	Aug 2014	1	430.000	N		
(ACCHR) Software		2015	TBS / TBS	C / FP	TBS	Apr 2015	Jun 2015	1	1,138.000	N		

Remarks:
All IT procurements consist of COTS/GOTS solutions; all quantities and unit costs vary by system configuration and site. MICC - Mission and Installation Contracting Command.

UNCLASSIFIED

Exhibit P-5, Cost Analysis: PB 2016 Army		Date: February 2015
Appropriation / Budget Activity / Budget Sub Activity: 2035A / 02 / 92	P-1 Line Item Number / Title: BD3000 / Automated Data Processing Equip	Item Number / Title [DODIC]: BE4175 / Personnel Automation Systems - West Point

ID Code (A=Service Ready, B=Not Service Ready) :	MDAP/MAIS Code:
---	------------------------

Resource Summary	Prior Years	FY 2014	FY 2015	FY 2016 Base	FY 2016 OCO	FY 2016 Total
Procurement Quantity (Units in Each)	-	-	-	-	-	-
Gross/Weapon System Cost (\$ in Millions)	-	-	-	3.319	-	3.319
Less PY Advance Procurement (\$ in Millions)	-	-	-	-	-	-
Net Procurement (P1) (\$ in Millions)	-	-	-	3.319	-	3.319
Plus CY Advance Procurement (\$ in Millions)	-	-	-	-	-	-
Total Obligation Authority (\$ in Millions)	-	-	-	3.319	-	3.319

(The following Resource Summary rows are for informational purposes only. The corresponding budget requests are documented elsewhere.)

Initial Spares (\$ in Millions)	-	-	-	-	-	-
Gross/Weapon System Unit Cost (\$ in Thousands)	-	-	-	-	-	-

Note: Subtotals or Totals in this Exhibit P-5 may not be exact or add, due to rounding.

Cost Elements	Prior Years			FY 2014			FY 2015			FY 2016 Base			FY 2016 OCO			FY 2016 Total		
	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)
Hardware Cost																		
Recurring Cost																		
U. S. Military Academy (USMA) Hardware ^(†)	-	-	-	-	-	-	-	-	-	3,319.000	1	3.319	-	-	-	3,319.000	1	3.319
Subtotal: Recurring Cost	-	-	-	-	-	-	-	-	-	-	-	3.319	-	-	-	-	-	3.319
Subtotal: Hardware Cost	-	-	-	-	-	-	-	-	-	-	-	3.319	-	-	-	-	-	3.319
Gross/Weapon System Cost	-	-	-	-	-	-	-	-	-	-	-	3.319	-	-	-	-	-	3.319

Secondary Distribution	FY 2014	FY 2015	FY 2016 Base	FY 2016 OCO	FY 2016 Total
Army					
Quantity	-	-	-	-	-
Total Obligation Authority	-	-	3.319	-	3.319
Total: Secondary Distribution					
Quantity	-	-	-	-	-
Total Obligation Authority	-	-	3.319	-	3.319

(†) indicates the presence of a P-5a

UNCLASSIFIED

Exhibit P-5a, Procurement History and Planning: PB 2016 Army							Date: February 2015					
Appropriation / Budget Activity / Budget Sub Activity: 2035A / 02 / 92			P-1 Line Item Number / Title: BD3000 / Automated Data Processing Equip				Item Number / Title [DODIC]: BE4175 / Personnel Automation Systems - West Point					
Cost Elements	O C O	FY	Contractor and Location	Method/Type or Funding Vehicle	Location of PCO	Award Date	Date of First Delivery	Qty (Each)	Unit Cost (\$ K)	Specs Avail Now?	Date Revision Available	RFP Issue Date
U. S. Military Academy (USMA) Hardware		2016	TBS / TBS	C / FP	TBS	Jan 2016	Jun 2016	1	3,319.000	N		

Remarks:
All IT procurements consist of COTS/GOTS solutions; all quantities and unit costs vary by system configuration and site. MICC - Mission and Installation Contracting Command.

UNCLASSIFIED

Exhibit P-40, Budget Line Item Justification: PB 2016 Army **Date:** February 2015

Appropriation / Budget Activity / Budget Sub Activity: 2035A: Other Procurement, Army / BA 02: Communications and Electronics Equipment / BSA 92: Elect Equip - Automation	P-1 Line Item Number / Title: B55500 / General Fund Enterprise Business Systems Fam
---	---

ID Code (A=Service Ready, B=Not Service Ready) :		Program Elements for Code B Items:					Other Related Program Elements:					
Resource Summary	Prior Years	FY 2014	FY 2015	FY 2016 Base	FY 2016 OCO	FY 2016 Total	FY 2017	FY 2018	FY 2019	FY 2020	To Complete	Total
Procurement Quantity (Units in Each)	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Cost (\$ in Millions)	231.327	7.614	16.581	18.995	-	18.995	4.209	4.242	4.320	4.402	Continuing	Continuing
Less PY Advance Procurement (\$ in Millions)	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P1) (\$ in Millions)	231.327	7.614	16.581	18.995	-	18.995	4.209	4.242	4.320	4.402	Continuing	Continuing
Plus CY Advance Procurement (\$ in Millions)	-	-	-	-	-	-	-	-	-	-	-	-
Total Obligation Authority (\$ in Millions)	231.327	7.614	16.581	18.995	-	18.995	4.209	4.242	4.320	4.402	Continuing	Continuing
<i>(The following Resource Summary rows are for informational purposes only. The corresponding budget requests are documented elsewhere.)</i>												
Initial Spares (\$ in Millions)	-	-	-	-	-	-	-	-	-	-	-	-
Flyaway Unit Cost (\$ in Thousands)	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Unit Cost (\$ in Thousands)	-	-	-	-	-	-	-	-	-	-	-	-

Description:

The General Fund Enterprise Business System (GFEBS) is a Major Automated Information System (MAIS)(ACAT-1AC) project that replaces 30+ year-old financial systems including the Standard Finance Systems (STANFINS), Standard Operations and Maintenance, and Army R&D System (SOMARDS). GFEBS is the Dept of the Army's core financial and asset management system for administering its general fund, improving performance, standardizing processes and ensuring future needs are met. GFEBS is a commercial off-the-shelf (COTS) Enterprise Resource Planning (ERP) System certified by the Chief Financial Officers Council (CFOC).GFEBS is fielded to more than 37,000 trained users at over 227 installations worldwide and is the Army's solution to the current capability gap in accounting and financial management. GFEBS provides improved functionality in general fund core financial functions including: general ledger management; financial reporting; real property, plant, and equipment accountability; reimbursables, revenue, and accounts receivable; cost management; funds control and budgetary accounting; accounts payable; and audit trails and system controls and meets legislative mandates to develop an auditable financial system. The primary objectives for the GFEBS financial management system are to improve performance, standardize business processes, ensure capability exists to meet future needs, and provide Army's decision makers with relevant, reliable, and timely information.

GFEBS-Sensitive Activities (SA) provides a classified version of the GFEBS program developed to process data in a secure environment to protect and manage classified data. GFEBS-SA will integrate seamlessly with GFEBS and provide a secure, web-based, financial asset and accounting management system to Army classified, intelligence, and special access programs.

Secondary Distribution		FY 2014	FY 2015	FY 2016 Base	FY 2016 OCO	FY 2016 Total	FY 2017	FY 2018	FY 2019	FY 2020
Army	Quantity	-	-	-	-	-	-	-	-	-
	Total Obligation Authority	7.614	16.581	18.995	-	18.995	4.209	4.242	4.320	4.402
Total: Secondary Distribution	Quantity	-	-	-	-	-	-	-	-	-
	Total Obligation Authority	7.614	16.581	18.995	-	18.995	4.209	4.242	4.320	4.402

UNCLASSIFIED

Exhibit P-40, Budget Line Item Justification: PB 2016 Army **Date:** February 2015

Appropriation / Budget Activity / Budget Sub Activity: 2035A: Other Procurement, Army / BA 02: Communications and Electronics Equipment / BSA 92: Elect Equip - Automation	P-1 Line Item Number / Title: B55500 / General Fund Enterprise Business Systems Fam
---	---

ID Code (A=Service Ready, B=Not Service Ready) :			Program Elements for Code B Items:			Other Related Program Elements:		
Exhibits Schedule			Prior Years	FY 2014	FY 2015	FY 2016 Base	FY 2016 OCO	FY 2016 Total
Title*	Exhibits	ID CD	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)
B55511 / GFEBS SENSITIVE ACTIVITIES	P-5		- / -	- / -	- / 13.728	- / 5.455	- / -	- / 5.455
BE4168 / General Fund Enterprise Business System	P-5		- / 231.327	- / 7.614	- / 2.853	- / 13.540	- / -	- / 13.540
Total Gross/Weapon System Cost			- / 231.327	- / 7.614	- / 16.581	- / 18.995	- / -	- / 18.995

*Title represents 1) the Number / Title for Items; 2) the Number / Title [DODIC] for Ammunition; and/or 3) the Number / Title (Modification Type) for Modifications.
 Note: Totals in this Exhibit P-40 set may not be exact or add due to rounding.

Justification:
 FY 2016 Base procurement dollars in the amount of \$13.540 million supports software and hardware infrastructure upgrades, to bring GFEBS reporting and analytics in line with processing performance thresholds established in the GFEBS Capabilities Production Document(CPD); migration of GFEBS Production, Development, Test, Staging, and Continuity of Operations(COOP) data center environments to the Defense Information Systems Agency(DISA)*; implementation of configuration changes to meet Common Operating Environment(COE) and Core Data Center Technical configuration standards.

FY 2016 Base procurement dollars in the amount of \$5.455 million supports GFEBS-SA system fielding; training, data cleansing, and initial on-site support.

*Reference: Memorandum, Department of Defense Chief Information Officer, 11 July 2013, Department of Defense Joint Information Environment: Continental United States Core Data Centers and Application and System Migration.

UNCLASSIFIED

Exhibit P-5, Cost Analysis: PB 2016 Army		Date: February 2015
Appropriation / Budget Activity / Budget Sub Activity: 2035A / 02 / 92	P-1 Line Item Number / Title: B55500 / General Fund Enterprise Business Systems Fam	Item Number / Title [DODIC]: B55511 / GFEB S SENSITIVE ACTIVITIES

ID Code (A=Service Ready, B=Not Service Ready) :	MDAP/MAIS Code:
---	------------------------

Resource Summary	Prior Years	FY 2014	FY 2015	FY 2016 Base	FY 2016 OCO	FY 2016 Total
Procurement Quantity (<i>Units in Each</i>)	-	-	-	-	-	-
Gross/Weapon System Cost (<i>\$ in Millions</i>)	-	-	13.728	5.455	-	5.455
Less PY Advance Procurement (<i>\$ in Millions</i>)	-	-	-	-	-	-
Net Procurement (P1) (<i>\$ in Millions</i>)	-	-	13.728	5.455	-	5.455
Plus CY Advance Procurement (<i>\$ in Millions</i>)	-	-	-	-	-	-
Total Obligation Authority (<i>\$ in Millions</i>)	-	-	13.728	5.455	-	5.455

(The following Resource Summary rows are for informational purposes only. The corresponding budget requests are documented elsewhere.)

Initial Spares (<i>\$ in Millions</i>)	-	-	-	-	-	-
Gross/Weapon System Unit Cost (<i>\$ in Thousands</i>)	-	-	-	-	-	-

Note: Subtotals or Totals in this Exhibit P-5 may not be exact or add, due to rounding.

Cost Elements	Prior Years			FY 2014			FY 2015			FY 2016 Base			FY 2016 OCO			FY 2016 Total		
	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)
Flyaway Cost																		
Recurring Cost																		
GFEB S SA Fielding	-	-	-	-	-	-	13,728.000	1	13.728	5,455.000	1	5.455	-	-	-	5,455.000	1	5.455
<i>Subtotal: Recurring Cost</i>	-	-	-	-	-	-	-	-	13.728	-	-	5.455	-	-	-	-	-	5.455
<i>Subtotal: Flyaway Cost</i>	-	-	-	-	-	-	-	-	13.728	-	-	5.455	-	-	-	-	-	5.455
Gross/Weapon System Cost	-	-	-	-	-	-	-	-	13.728	-	-	5.455	-	-	-	-	-	5.455

Secondary Distribution	FY 2014	FY 2015	FY 2016 Base	FY 2016 OCO	FY 2016 Total
Army					
Quantity	-	-	-	-	-
Total Obligation Authority	-	13.728	5.455	-	5.455
Total: Secondary Distribution					
Quantity	-	-	-	-	-
Total Obligation Authority	-	13.728	5.455	-	5.455

UNCLASSIFIED

Exhibit P-5, Cost Analysis: PB 2016 Army		Date: February 2015
Appropriation / Budget Activity / Budget Sub Activity: 2035A / 02 / 92	P-1 Line Item Number / Title: B55500 / General Fund Enterprise Business Systems Fam	Item Number / Title [DODIC]: BE4168 / General Fund Enterprise Business System

ID Code (A=Service Ready, B=Not Service Ready) :	MDAP/MAIS Code:
---	------------------------

Resource Summary	Prior Years	FY 2014	FY 2015	FY 2016 Base	FY 2016 OCO	FY 2016 Total
Procurement Quantity (Units in Each)	-	-	-	-	-	-
Gross/Weapon System Cost (\$ in Millions)	231.327	7.614	2.853	13.540	-	13.540
Less PY Advance Procurement (\$ in Millions)	-	-	-	-	-	-
Net Procurement (P1) (\$ in Millions)	231.327	7.614	2.853	13.540	-	13.540
Plus CY Advance Procurement (\$ in Millions)	-	-	-	-	-	-
Total Obligation Authority (\$ in Millions)	231.327	7.614	2.853	13.540	-	13.540

(The following Resource Summary rows are for informational purposes only. The corresponding budget requests are documented elsewhere.)

Initial Spares (\$ in Millions)	-	-	-	-	-	-
Gross/Weapon System Unit Cost (\$ in Thousands)	-	-	-	-	-	-

Note: Subtotals or Totals in this Exhibit P-5 may not be exact or add, due to rounding.

Cost Elements	Prior Years			FY 2014			FY 2015			FY 2016 Base			FY 2016 OCO			FY 2016 Total		
	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)
Flyaway Cost																		
Recurring Cost																		
Software Recurring	231,327.000	1	231.327	7,614.000	1	7.614	2,853.000	1	2.853	6,025.000	1	6.025	-	-	-	6,025.000	1	6.025
Hardware NonRecurring	-	-	-	-	-	-	-	-	-	7,515.000	1	7.515	-	-	-	7,515.000	1	7.515
Subtotal: Recurring Cost	-	-	231.327	-	-	7.614	-	-	2.853	-	-	13.540	-	-	-	-	-	13.540
Subtotal: Flyaway Cost	-	-	231.327	-	-	7.614	-	-	2.853	-	-	13.540	-	-	-	-	-	13.540
Gross/Weapon System Cost	-	-	231.327	-	-	7.614	-	-	2.853	-	-	13.540	-	-	-	-	-	13.540

Secondary Distribution		FY 2014	FY 2015	FY 2016 Base	FY 2016 OCO	FY 2016 Total
Army	Quantity	-	-	-	-	-
	Total Obligation Authority	7.614	2.853	13.540	-	13.540
Total: Secondary Distribution	Quantity	-	-	-	-	-
	Total Obligation Authority	7.614	2.853	13.540	-	13.540

UNCLASSIFIED

Exhibit P-40, Budget Line Item Justification: PB 2016 Army **Date:** February 2015

Appropriation / Budget Activity / Budget Sub Activity: 2035A: Other Procurement, Army / BA 02: Communications and Electronics Equipment / BSA 92: Elect Equip - Automation	P-1 Line Item Number / Title: B66501 / High Perf Computing Mod Pgm (HPCMP)
---	--

ID Code (A=Service Ready, B=Not Service Ready) :			Program Elements for Code B Items:					Other Related Program Elements:				
Resource Summary	Prior Years	FY 2014	FY 2015	FY 2016 Base	FY 2016 OCO	FY 2016 Total	FY 2017	FY 2018	FY 2019	FY 2020	To Complete	Total
Procurement Quantity (Units in Each)	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Cost (\$ in Millions)	-	62.683	65.252	62.319	-	62.319	59.056	66.628	67.119	68.456	Continuing	Continuing
Less PY Advance Procurement (\$ in Millions)	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P1) (\$ in Millions)	-	62.683	65.252	62.319	-	62.319	59.056	66.628	67.119	68.456	Continuing	Continuing
Plus CY Advance Procurement (\$ in Millions)	-	-	-	-	-	-	-	-	-	-	-	-
Total Obligation Authority (\$ in Millions)	-	62.683	65.252	62.319	-	62.319	59.056	66.628	67.119	68.456	Continuing	Continuing
<i>(The following Resource Summary rows are for informational purposes only. The corresponding budget requests are documented elsewhere.)</i>												
Initial Spares (\$ in Millions)	-	-	-	-	-	-	-	-	-	-	-	-
Flyaway Unit Cost (\$ in Thousands)	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Unit Cost (\$ in Thousands)	-	-	-	-	-	-	-	-	-	-	-	-

Description:

The Department of Defense (DoD) High Performance Computing (HPC) Modernization Program, managed by the Army, supports the needs of all services for technological superiority and military dominance on the battlefield by providing advanced computational services to U.S. weapons system scientists and engineers. By exploiting continuous advances in high performance computing technology, the defense research, development, test and evaluation (RDT&E) community is able to resolve critical scientific and engineering problems quickly and with more precision. The results of these efforts feed directly into the acquisition process by improving weapons system designs through an increased fundamental understanding of materials, aerodynamics, chemistry, fuels, acoustics, signal image recognition, electromagnetics, and other areas of basic and applied research as well as enabling advanced test and evaluation environments that allow synthetic scene generation, automatic control systems and virtual test environments. As such, HPC has been identified as a key enabling technology essential to achieving the objectives of the DoD's science and technology (S&T) and test and evaluation (T&E) programs. The program deploys supercomputers to provide world-class HPC capability to a nation-wide user community.

The HPC Modernization program provides focused modernization efforts crafted to ensure DoD's science and technology and test and evaluation communities are supported with current generation supercomputing capabilities. The HPC modernization program resulted from congressional language that recognized supercomputing as a national strategic asset and directed the DoD to focus on supercomputing modernization at laboratories and test centers to keep its forces and military systems on the leading technological edge.

Secondary Distribution		FY 2014	FY 2015	FY 2016 Base	FY 2016 OCO	FY 2016 Total	FY 2017	FY 2018	FY 2019	FY 2020
Army	Quantity	-	-	-	-	-	-	-	-	-
	Total Obligation Authority	62.683	65.252	62.319	-	62.319	59.056	66.628	67.119	68.456
Total: Secondary Distribution	Quantity	-	-	-	-	-	-	-	-	-
	Total Obligation Authority	62.683	65.252	62.319	-	62.319	59.056	66.628	67.119	68.456

UNCLASSIFIED

Exhibit P-40, Budget Line Item Justification: PB 2016 Army **Date:** February 2015

Appropriation / Budget Activity / Budget Sub Activity: 2035A: Other Procurement, Army / BA 02: Communications and Electronics Equipment / BSA 92: Elect Equip - Automation	P-1 Line Item Number / Title: B66501 / High Perf Computing Mod Pgm (HPCMP)
---	--

ID Code (A=Service Ready, B=Not Service Ready) :			Program Elements for Code B Items:			Other Related Program Elements:		
Exhibits Schedule			Prior Years	FY 2014	FY 2015	FY 2016 Base	FY 2016 OCO	FY 2016 Total
Title*	Exhibits	ID CD	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)
B66501 / High Perf Computing Mod Pgm (HPCMP)	P-5, P-5a		- / -	- / 62.683	- / 65.252	- / 62.319	- / -	- / 62.319
Total Gross/Weapon System Cost			- / -	- / 62.683	- / 65.252	- / 62.319	- / -	- / 62.319

*Title represents 1) the Number / Title for Items; 2) the Number / Title [DODIC] for Ammunition; and/or 3) the Number / Title (Modification Type) for Modifications.

Note: Totals in this Exhibit P-40 set may not be exact or add due to rounding.

Justification:
 FY 2016 Base procurement dollars in the amount of \$60.000 million support two large supercomputers for two Army locations, USACE/ERDC DSRC Vicksburg, MS and Army Research Lab (ARL DSRC) Aberdeen, MD.

FY 2016 Base procurement dollars in the amount of \$2.319M will support DoD HPC Project Investments for Army, Navy, and Air Force initiatives requiring unique specifications or computing classification above SECRET.

UNCLASSIFIED

Exhibit P-5, Cost Analysis: PB 2016 Army		Date: February 2015
Appropriation / Budget Activity / Budget Sub Activity: 2035A / 02 / 92	P-1 Line Item Number / Title: B66501 / High Perf Computing Mod Pgm (HPCMP)	Item Number / Title [DODIC]: B66501 / High Perf Computing Mod Pgm (HPCMP)

ID Code (A=Service Ready, B=Not Service Ready) :	MDAP/MAIS Code:
---	------------------------

Resource Summary	Prior Years	FY 2014	FY 2015	FY 2016 Base	FY 2016 OCO	FY 2016 Total
Procurement Quantity <i>(Units in Each)</i>	-	-	-	-	-	-
Gross/Weapon System Cost <i>(\$ in Millions)</i>	-	62.683	65.252	62.319	-	62.319
Less PY Advance Procurement <i>(\$ in Millions)</i>	-	-	-	-	-	-
Net Procurement (P1) <i>(\$ in Millions)</i>	-	62.683	65.252	62.319	-	62.319
Plus CY Advance Procurement <i>(\$ in Millions)</i>	-	-	-	-	-	-
Total Obligation Authority <i>(\$ in Millions)</i>	-	62.683	65.252	62.319	-	62.319

(The following Resource Summary rows are for informational purposes only. The corresponding budget requests are documented elsewhere.)

Initial Spares <i>(\$ in Millions)</i>	-	-	-	-	-	-
Gross/Weapon System Unit Cost <i>(\$ in Thousands)</i>	-	-	-	-	-	-

Note: Subtotals or Totals in this Exhibit P-5 may not be exact or add, due to rounding.

Cost Elements	Prior Years			FY 2014			FY 2015			FY 2016 Base			FY 2016 OCO			FY 2016 Total		
	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)
Hardware Cost																		
Non Recurring Cost																		
Dedicated HPC Project Investments ^(t)	-	-	-	1,366.700	3	4.100	1,250.700	3	3.752	1,159.500	2	2.319	-	-	-	1,159.500	2	2.319
Defense Supercomputing Resource Centers ^(t)	-	-	-	29,291.500	2	58.583	30,750.000	2	61.500	30,000.000	2	60.000	-	-	-	30,000.000	2	60.000
<i>Subtotal: Non Recurring Cost</i>	-	-	-	-	-	62.683	-	-	65.252	-	-	62.319	-	-	-	-	-	62.319
<i>Subtotal: Hardware Cost</i>	-	-	-	-	-	62.683	-	-	65.252	-	-	62.319	-	-	-	-	-	62.319
Gross/Weapon System Cost	-	-	-	-	-	62.683	-	-	65.252	-	-	62.319	-	-	-	-	-	62.319

Secondary Distribution	FY 2014	FY 2015	FY 2016 Base	FY 2016 OCO	FY 2016 Total
Army	-	-	-	-	-
Total Obligation Authority	62.683	65.252	62.319	-	62.319
Total: Secondary Distribution	62.683	65.252	62.319	-	62.319

^(t) indicates the presence of a P-5a

UNCLASSIFIED

Exhibit P-5a, Procurement History and Planning: PB 2016 Army **Date:** February 2015

Appropriation / Budget Activity / Budget Sub Activity: 2035A / 02 / 92	P-1 Line Item Number / Title: B66501 / High Perf Computing Mod Pgm (HPCMP)	Item Number / Title [DODIC]: B66501 / High Perf Computing Mod Pgm (HPCMP)
--	--	---

Cost Elements	O C O	FY	Contractor and Location	Method/Type or Funding Vehicle	Location of PCO	Award Date	Date of First Delivery	Qty <i>(Each)</i>	Unit Cost <i>(\$ K)</i>	Specs Avail Now?	Date Revision Available	RFP Issue Date
Dedicated HPC Project Investments		2014	TBD / TBD	C / BOA	Army White Sands MR	Jun 2014	Sep 2015	1	350.000	N		May 2014
Dedicated HPC Project Investments - 2		2014	TBD / TBD	C / BOA	Air Force Sim & Analysis	Jun 2014	Sep 2015	1	2,250.000	N		Feb 2014
Dedicated HPC Project Investments		2014	Exxact Corporation / Fremont, CA	SS / FFP	Navy Research Lab, DC	Jun 2014	Jan 2015	1	1,500.000	N		May 2014
Dedicated HPC Project Investments		2015	TBD / TBD	TBD	TBD	Jun 2015	Aug 2016	3	1,250.700	N		
Dedicated HPC Project Investments		2016	TBD / TBD	TBD	TBD	Jun 2016	Aug 2017	2	1,159.500	N		
Defense Supercomputing Resource Centers		2014	SGI, Silicon Graphics, Inc / Silver Spring, MD	C / BOA	Army ERDC DSRC Vicksburg, MS	Sep 2014	Mar 2015	1	28,340.000	N		Apr 2014
Defense Supercomputing Resource Centers		2014	Cray, Inc. / Seattle, WA	C / BOA	Army ARL DSRC Aberdeen, MD	Sep 2014	Mar 2015	1	27,087.600	N		Apr 2014
Defense Supercomputing Resource Centers		2014	Iron Bow Technologies / Chantilly, VA	Various	Navy DSRC Stennis Space Ctr	May 2014	Jun 2014	-	1,155.400	N		Mar 2014
Defense Supercomputing Resource Centers		2014	Lockheed Martin / AFRL, OH	Various	AFRL, Wright Patterson AFB	Jul 2014	Jun 2015	-	2,000.000	N		May 2014
Defense Supercomputing Resource Centers		2015	SGI, Silicon Graphics, Inc / Silver Spring, MD	C / BOA	AFRL, Wright Patterson AFB	Dec 2014	Jul 2015	1	30,750.000	N		
Defense Supercomputing Resource Centers		2015	Cray, Inc. / Seattle, WA	C / BOA	Navy DSRC Stennis Space Ctr	Dec 2014	Jun 2015	1	30,750.000	N		
Defense Supercomputing Resource Centers		2016	TBD / TBD	C / BOA	Army ERDC DSRC Vicksburg	Dec 2015	Mar 2016	1	30,000.000	N		
Defense Supercomputing Resource Centers - 2		2016	TBD / TBD	C / BOA	Army ARL DSRC Aberdeen, MD	Dec 2015	Mar 2016	1	30,000.000	N		

Remarks:

The HPCMP has a five year BOA arrangement through USACE-HNC. This arrangement will increase speed to award/acceptance as opposed to methods previously used by the Program. All procurements are COTS/GOTS.

UNCLASSIFIED

Exhibit P-40, Budget Line Item Justification: PB 2016 Army **Date:** February 2015

Appropriation / Budget Activity / Budget Sub Activity: 2035A: Other Procurement, Army / BA 02: Communications and Electronics Equipment / BSA 92: Elect Equip - Automation	P-1 Line Item Number / Title: BE4167 / Reserve Component Automation Sys (RCAS)
---	--

ID Code (A=Service Ready, B=Not Service Ready) :		Program Elements for Code B Items:					Other Related Program Elements:					
Resource Summary	Prior Years	FY 2014	FY 2015	FY 2016 Base	FY 2016 OCO	FY 2016 Total	FY 2017	FY 2018	FY 2019	FY 2020	To Complete	Total
Procurement Quantity (Units in Each)	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Cost (\$ in Millions)	1,804.767	34.951	17.631	17.894	-	17.894	25.790	26.286	28.228	32.057	Continuing	Continuing
Less PY Advance Procurement (\$ in Millions)	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P1) (\$ in Millions)	1,804.767	34.951	17.631	17.894	-	17.894	25.790	26.286	28.228	32.057	Continuing	Continuing
Plus CY Advance Procurement (\$ in Millions)	-	-	-	-	-	-	-	-	-	-	-	-
Total Obligation Authority (\$ in Millions)	1,804.767	34.951	17.631	17.894	-	17.894	25.790	26.286	28.228	32.057	Continuing	Continuing
<i>(The following Resource Summary rows are for informational purposes only. The corresponding budget requests are documented elsewhere.)</i>												
Initial Spares (\$ in Millions)	-	-	-	-	-	-	-	-	-	-	-	-
Flyaway Unit Cost (\$ in Thousands)	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Unit Cost (\$ in Thousands)	-	-	-	-	-	-	-	-	-	-	-	-

Description:

The Reserve Component Automation System (RCAS) is an automated information system that provides the capability to administer, manage, and mobilize the Army's Reserve Component (RC) forces more effectively. Specifically, RCAS supports the mobilization planning and unit administration functions of the Army National Guard and Army Reserve by integrating commercial off-the-shelf (COTS) hardware and office automation software, Government off-the-shelf (GOTS) software, and developed functional software applications into a common operating environment, personal computer based architecture. Since completion of the infrastructure and functional capabilities, system acquisition has been focused on the effective and efficient sustainment of the fielded system and software applications.

RCAS ensures RC soldiers maintain their warfighting systems and proficiencies on the systems by using the system as a "Docking Station" while they are at home station instead of relying on costly satellite usage time. The program supports the Army and DoD objectives of network convergence to Unified Capabilities and is aligned with the Joint Information Environment initiative by providing the transport infrastructure.

RCAS is the Army's system of choice and record for all RC Commands mobilizing their citizen soldiers for disaster response, homeland security tasking, and overseas deployment. Established in response to a Government Accountability Office report on the Army Reserve Component's inability to provide timely and accurate mobilization data, the system now dramatically improves the Army's and the states' ability to organize, train, and equip their citizen soldiers, mobilize forces in half the historical time required, and provides resource visibility to state and federal agencies of all forces at home and abroad. RCAS has been successfully utilized in response to 9/11, Homeland Security missions, National Training exercises, Disaster Relief, and Operation Iraqi Freedom, New Dawn and Enduring Freedom.

Secondary Distribution		FY 2014	FY 2015	FY 2016 Base	FY 2016 OCO	FY 2016 Total	FY 2017	FY 2018	FY 2019	FY 2020
Army	Quantity	-	-	-	-	-	-	-	-	-
	Total Obligation Authority	34.951	5.877	5.965	-	5.965	8.597	8.762	9.410	10.686
ANG	Quantity	-	-	-	-	-	-	-	-	-
	Total Obligation Authority	-	5.877	5.965	-	5.965	8.596	8.762	9.409	10.686

UNCLASSIFIED

Exhibit P-40, Budget Line Item Justification: PB 2016 Army **Date:** February 2015

Appropriation / Budget Activity / Budget Sub Activity: 2035A: Other Procurement, Army / BA 02: Communications and Electronics Equipment / BSA 92: Elect Equip - Automation	P-1 Line Item Number / Title: BE4167 / Reserve Component Automation Sys (RCAS)
---	--

ID Code (A=Service Ready, B=Not Service Ready) :		Program Elements for Code B Items:				Other Related Program Elements:				
Secondary Distribution		FY 2014	FY 2015	FY 2016 Base	FY 2016 OCO	FY 2016 Total	FY 2017	FY 2018	FY 2019	FY 2020
AR	Quantity	-	-	-	-	-	-	-	-	-
	Total Obligation Authority	-	5.877	5.964	-	5.964	8.597	8.762	9.409	10.685
Total: Secondary Distribution	Quantity	-	-	-	-	-	-	-	-	-
	Total Obligation Authority	34.951	17.631	17.894	-	17.894	25.790	26.286	28.228	32.057

UNCLASSIFIED

Exhibit P-40, Budget Line Item Justification: PB 2016 Army **Date:** February 2015

Appropriation / Budget Activity / Budget Sub Activity: 2035A: Other Procurement, Army / BA 02: Communications and Electronics Equipment / BSA 92: Elect Equip - Automation	P-1 Line Item Number / Title: BE4167 / Reserve Component Automation Sys (RCAS)
---	--

ID Code (A=Service Ready, B=Not Service Ready) :			Program Elements for Code B Items:			Other Related Program Elements:		
Exhibits Schedule			Prior Years	FY 2014	FY 2015	FY 2016 Base	FY 2016 OCO	FY 2016 Total
Title*	Exhibits	ID CD	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)
BE4167 / Reserve Component Automation Sys (RCAS)	P-5, P-5a		- / 1,804.767	- / 34.951	- / 17.631	- / 17.894	- / -	- / 17.894
Total Gross/Weapon System Cost			- / 1,804.767	- / 34.951	- / 17.631	- / 17.894	- / -	- / 17.894

*Title represents 1) the Number / Title for Items; 2) the Number / Title [DODIC] for Ammunition; and/or 3) the Number / Title (Modification Type) for Modifications.

Note: Totals in this Exhibit P-40 set may not be exact or add due to rounding.

Justification:
 FY 2016 Base procurement dollars in the amount of \$17.894 million will support refreshment of approximately 11 percent of the RCAS hardware infrastructure, placing the information technology infrastructure refresh on a 9 year cycle. The program will support hardware and software refresh to Army National Guard and U.S. Army Reserve commands and units based on priorities established by the respective Components. The program will satisfy agency information technology mandates with respect to information assurance, net worthiness, server consolidation, and a common operating environment.

In accordance with Section 1815 of the FY 2008 National Defense Authorization Act (P.L. 110-181), this item is necessary for use by the active and reserve components of the Armed Forces for homeland defense missions, domestic emergency responses, and providing military support to civil authorities.

UNCLASSIFIED

Exhibit P-5, Cost Analysis: PB 2016 Army		Date: February 2015
Appropriation / Budget Activity / Budget Sub Activity: 2035A / 02 / 92	P-1 Line Item Number / Title: BE4167 / Reserve Component Automation Sys (RCAS)	Item Number / Title [DODIC]: BE4167 / Reserve Component Automation Sys (RCAS)

ID Code (A=Service Ready, B=Not Service Ready) :	MDAP/MAIS Code:
---	------------------------

Resource Summary	Prior Years	FY 2014	FY 2015	FY 2016 Base	FY 2016 OCO	FY 2016 Total
Procurement Quantity <i>(Units in Each)</i>	-	-	-	-	-	-
Gross/Weapon System Cost <i>(\$ in Millions)</i>	1,804.767	34.951	17.631	17.894	-	17.894
Less PY Advance Procurement <i>(\$ in Millions)</i>	-	-	-	-	-	-
Net Procurement (P1) <i>(\$ in Millions)</i>	1,804.767	34.951	17.631	17.894	-	17.894
Plus CY Advance Procurement <i>(\$ in Millions)</i>	-	-	-	-	-	-
Total Obligation Authority <i>(\$ in Millions)</i>	1,804.767	34.951	17.631	17.894	-	17.894

(The following Resource Summary rows are for informational purposes only. The corresponding budget requests are documented elsewhere.)

Initial Spares <i>(\$ in Millions)</i>	-	-	-	-	-	-
Gross/Weapon System Unit Cost <i>(\$ in Thousands)</i>	-	-	-	-	-	-

Note: Subtotals or Totals in this Exhibit P-5 may not be exact or add, due to rounding.

Cost Elements	Prior Years			FY 2014			FY 2015			FY 2016 Base			FY 2016 OCO			FY 2016 Total		
	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)
Hardware Cost																		
Recurring Cost																		
Life Cycle Replacement Hardware ^(†)	-	-	1,804.767	34,951.000	1	34.951	17,631.000	1	17.631	17,894.000	1	17.894	-	-	-	17,894.000	1	17.894
Subtotal: Recurring Cost	-	-	1,804.767	-	-	34.951	-	-	17.631	-	-	17.894	-	-	-	-	-	17.894
Subtotal: Hardware Cost	-	-	1,804.767	-	-	34.951	-	-	17.631	-	-	17.894	-	-	-	-	-	17.894
Gross/Weapon System Cost	-	-	1,804.767	-	-	34.951	-	-	17.631	-	-	17.894	-	-	-	-	-	17.894

Secondary Distribution		FY 2014	FY 2015	FY 2016 Base	FY 2016 OCO	FY 2016 Total
Army	Quantity	-	-	-	-	-
	Total Obligation Authority	34.951	5.877	5.965	-	5.965
ANG	Quantity	-	-	-	-	-
	Total Obligation Authority	-	5.877	5.965	-	5.965
AR	Quantity	-	-	-	-	-
	Total Obligation Authority	-	5.877	5.964	-	5.964
Total: Secondary Distribution	Quantity	-	-	-	-	-
	Total Obligation Authority	34.951	17.631	17.894	-	17.894

UNCLASSIFIED

Exhibit P-5, Cost Analysis: PB 2016 Army		Date: February 2015
Appropriation / Budget Activity / Budget Sub Activity: 2035A / 02 / 92	P-1 Line Item Number / Title: BE4167 / Reserve Component Automation Sys (RCAS)	Item Number / Title [DODIC]: BE4167 / Reserve Component Automation Sys (RCAS)
ID Code (A=Service Ready, B=Not Service Ready) :	MDAP/MAIS Code:	
(†) indicates the presence of a P-5a		

UNCLASSIFIED

Exhibit P-5a, Procurement History and Planning: PB 2016 Army **Date:** February 2015

Appropriation / Budget Activity / Budget Sub Activity: 2035A / 02 / 92	P-1 Line Item Number / Title: BE4167 / Reserve Component Automation Sys (RCAS)	Item Number / Title [DODIC]: BE4167 / Reserve Component Automation Sys (RCAS)
--	--	---

Cost Elements	O C O	FY	Contractor and Location	Method/Type or Funding Vehicle	Location of PCO	Award Date	Date of First Delivery	Qty <i>(Each)</i>	Unit Cost <i>(\$ K)</i>	Specs Avail Now?	Date Revision Available	RFP Issue Date
Life Cycle Replacement Hardware		2014	L3 National Security Svc / Reston, VA	C / IDDQ	Washington, DC	Mar 2014	Apr 2014	1	34,951.000	N		
Life Cycle Replacement Hardware		2015	L3 National Security Svc / Reston, VA	C / IDDQ	Washington, DC	Mar 2015	Apr 2015	1	17,631.000	N		
Life Cycle Replacement Hardware		2016	L3 National Security Svc / Reston, VA	C / IDIQ	Washington, DC	Mar 2016	Apr 2016	1	17,894.000	N		

Remarks:
L3 National Security Services is the prime contractor for PD RCAS. All items are COTS/GOTS solutions.

UNCLASSIFIED

Exhibit P-40, Budget Line Item Justification: PB 2016 Army **Date:** February 2015

Appropriation / Budget Activity / Budget Sub Activity: 2035A: Other Procurement, Army / BA 02: Communications and Electronics Equipment / BSA 95: Elect Equip - Audio Visual Sys (A/V)	P-1 Line Item Number / Title: BK5289 / Items Less Than \$5.0M (A/V)
---	---

ID Code (A=Service Ready, B=Not Service Ready) :			Program Elements for Code B Items:					Other Related Program Elements:				
Resource Summary	Prior Years	FY 2014	FY 2015	FY 2016 Base	FY 2016 OCO	FY 2016 Total	FY 2017	FY 2018	FY 2019	FY 2020	To Complete	Total
Procurement Quantity (Units in Each)	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Cost (\$ in Millions)	204.573	0.324	-	-	-	-	-	-	-	-	-	204.897
Less PY Advance Procurement (\$ in Millions)	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P1) (\$ in Millions)	204.573	0.324	-	-	-	-	-	-	-	-	-	204.897
Plus CY Advance Procurement (\$ in Millions)	-	-	-	-	-	-	-	-	-	-	-	-
Total Obligation Authority (\$ in Millions)	204.573	0.324	-	-	-	-	-	-	-	-	-	204.897

(The following Resource Summary rows are for informational purposes only. The corresponding budget requests are documented elsewhere.)

Initial Spares (\$ in Millions)	-	-	-	-	-	-	-	-	-	-	-	-
Flyaway Unit Cost (\$ in Thousands)	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Unit Cost (\$ in Thousands)	-	-	-	-	-	-	-	-	-	-	-	-

Description:

MULTIMEDIA/VISUAL INFORMATION SYSTEMS PROGRAM (M/VISP): The M/VISP allows centralization and streamlining delivery of Multimedia/Visual Information (M/VI) products and services to reduce overall operating expenses while expanding M/VI services. This program provides equipment and systems for recording, producing, reproducing, processing, broadcasting, editing, distributing, exhibiting, and storing M/VI products and services to support official requirements (i.e. official photos for promotions, graphic charts, large format prints, audiovisual presentation support, television production, and documentation services essential to recording the history of the Army). Requirements include command and control, training, education, logistics, medical, personnel, special operations, engineering, public affairs, and intelligence to convey accurate information to the Soldier, decision-maker, and supporting organizations. The M/VISP established the Visual Information Ordering Site (VIOS) program as the enterprise solution for common user IT M/VI services. The VIOS program provides the capability for M/VI managers to monitor, assign, and perform quality control on M/VI services and products which support national strategic communications objectives, commander decision making, and training for all regions, missions and functions of the Army, OSD, JCS and HQDA. The VIOS is the authoritative database to manage the installation M/VI program and is used to generate M/VI work orders and collect M/VI IT metrics in support of the Army's IT Metric Program and the Installation Status Report (ISR).

Secondary Distribution		FY 2014	FY 2015	FY 2016 Base	FY 2016 OCO	FY 2016 Total	FY 2017	FY 2018	FY 2019	FY 2020
Army	Quantity	-	-	-	-	-	-	-	-	-
	Total Obligation Authority	0.324	-	-	-	-	-	-	-	-
Total: Secondary Distribution	Quantity	-	-	-	-	-	-	-	-	-
	Total Obligation Authority	0.324	-	-	-	-	-	-	-	-

UNCLASSIFIED

Exhibit P-40, Budget Line Item Justification: PB 2016 Army **Date:** February 2015

Appropriation / Budget Activity / Budget Sub Activity: 2035A: Other Procurement, Army / BA 02: Communications and Electronics Equipment / BSA 95: Elect Equip - Audio Visual Sys (A/V)	P-1 Line Item Number / Title: BK5289 / Items Less Than \$5.0M (A/V)
---	---

ID Code (A=Service Ready, B=Not Service Ready) :			Program Elements for Code B Items:			Other Related Program Elements:		
Exhibits Schedule			Prior Years	FY 2014	FY 2015	FY 2016 Base	FY 2016 OCO	FY 2016 Total
Title*	Exhibits	ID CD	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)
BK5289 / Items Less Than \$5.0M (A/V)	P-5, P-5a		- / 204.573	- / 0.324	- / -	- / -	- / -	- / -
Total Gross/Weapon System Cost			- / 204.573	- / 0.324	- / -	- / -	- / -	- / -

*Title represents 1) the Number / Title for Items; 2) the Number / Title [DODIC] for Ammunition; and/or 3) the Number / Title (Modification Type) for Modifications.

Note: Totals in this Exhibit P-40 set may not be exact or add due to rounding.

Justification:
 There is no FY 2016 Base procurement funding request.

UNCLASSIFIED

Exhibit P-5, Cost Analysis: PB 2016 Army **Date:** February 2015

Appropriation / Budget Activity / Budget Sub Activity: 2035A / 02 / 95	P-1 Line Item Number / Title: BK5289 / Items Less Than \$5.0M (A/V)	Item Number / Title [DODIC]: BK5289 / Items Less Than \$5.0M (A/V)
--	---	--

ID Code (A=Service Ready, B=Not Service Ready) :	MDAP/MAIS Code:
---	------------------------

Resource Summary	Prior Years	FY 2014	FY 2015	FY 2016 Base	FY 2016 OCO	FY 2016 Total
Procurement Quantity (Units in Each)	-	-	-	-	-	-
Gross/Weapon System Cost (\$ in Millions)	204.573	0.324	-	-	-	-
Less PY Advance Procurement (\$ in Millions)	-	-	-	-	-	-
Net Procurement (P1) (\$ in Millions)	204.573	0.324	-	-	-	-
Plus CY Advance Procurement (\$ in Millions)	-	-	-	-	-	-
Total Obligation Authority (\$ in Millions)	204.573	0.324	-	-	-	-

(The following Resource Summary rows are for informational purposes only. The corresponding budget requests are documented elsewhere.)

Initial Spares (\$ in Millions)	-	-	-	-	-	-
Gross/Weapon System Unit Cost (\$ in Thousands)	-	-	-	-	-	-

Note: Subtotals or Totals in this Exhibit P-5 may not be exact or add, due to rounding.

Cost Elements	Prior Years			FY 2014			FY 2015			FY 2016 Base			FY 2016 OCO			FY 2016 Total		
	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)
Hardware Cost																		
Non Recurring Cost																		
Multimedia/Visual Information Systems ^(†)	204,573.000	1	204.573	324.000	1	0.324	-	-	-	-	-	-	-	-	-	-	-	-
Subtotal: Non Recurring Cost	-	-	204.573	-	-	0.324	-	-	-	-	-	-	-	-	-	-	-	-
Subtotal: Hardware Cost	-	-	204.573	-	-	0.324	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Cost	-	-	204.573	-	-	0.324	-	-	-	-	-	-	-	-	-	-	-	-

Secondary Distribution		FY 2014	FY 2015	FY 2016 Base	FY 2016 OCO	FY 2016 Total
Army	Quantity	-	-	-	-	-
	Total Obligation Authority	0.324	-	-	-	-
Total: Secondary Distribution	Quantity	-	-	-	-	-
	Total Obligation Authority	0.324	-	-	-	-

^(†) indicates the presence of a P-5a

UNCLASSIFIED

Exhibit P-5a, Procurement History and Planning: PB 2016 Army							Date: February 2015					
Appropriation / Budget Activity / Budget Sub Activity: 2035A / 02 / 95			P-1 Line Item Number / Title: BK5289 / Items Less Than \$5.0M (A/V)				Item Number / Title [DODIC]: BK5289 / Items Less Than \$5.0M (A/V)					
Cost Elements	O C O	FY	Contractor and Location	Method/Type or Funding Vehicle	Location of PCO	Award Date	Date of First Delivery	Qty (Each)	Unit Cost (\$ K)	Specs Avail Now?	Date Revision Available	RFP Issue Date
Multimedia/Visual Information Systems		2014	World Wide Technology, Inc. / Maryland Heights, MO	C / FFP	ACC-NJ, Fort Dix, NJ	Sep 2014	Oct 2014	1	324.000	N		

Remarks:
IT procurements consist of COTS/GOTS solutions; all quantities and unit costs vary by system configuration and site. ACC-NJ - Army Contracting Command-New Jersey

UNCLASSIFIED

Exhibit P-40, Budget Line Item Justification: PB 2016 Army **Date:** February 2015

Appropriation / Budget Activity / Budget Sub Activity: 2035A: Other Procurement, Army / BA 02: Communications and Electronics Equipment / BSA 95: Elect Equip - Audio Visual Sys (A/V)	P-1 Line Item Number / Title: BL5300 / Items Less Than \$5M (Surveying Equipment)
--	---

ID Code (A=Service Ready, B=Not Service Ready) :	Program Elements for Code B Items:						Other Related Program Elements:					
Resource Summary	Prior Years	FY 2014	FY 2015	FY 2016 Base	FY 2016 OCO	FY 2016 Total	FY 2017	FY 2018	FY 2019	FY 2020	To Complete	Total
Procurement Quantity (Units in Each)	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Cost (\$ in Millions)	52.007	1.615	5.437	4.242	-	4.242	2.009	3.430	1.993	1.408	Continuing	Continuing
Less PY Advance Procurement (\$ in Millions)	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P1) (\$ in Millions)	52.007	1.615	5.437	4.242	-	4.242	2.009	3.430	1.993	1.408	Continuing	Continuing
Plus CY Advance Procurement (\$ in Millions)	-	-	-	-	-	-	-	-	-	-	-	-
Total Obligation Authority (\$ in Millions)	52.007	1.615	5.437	4.242	-	4.242	2.009	3.430	1.993	1.408	Continuing	Continuing
<i>(The following Resource Summary rows are for informational purposes only. The corresponding budget requests are documented elsewhere.)</i>												
Initial Spares (\$ in Millions)	-	-	-	-	-	-	-	-	-	-	-	-
Flyaway Unit Cost (\$ in Thousands)	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Unit Cost (\$ in Thousands)	597.782	807.500	106.608	128.545	-	128.545	182.636	110.645	153.308	281.600	Continuing	Continuing

Description:

This budget line supports the procurement and upgrade of the Automated Integrated Survey Instrument (AIS), Digital Levels and Global Positioning System - Survey (GPS-S). This equipment supports the survey mission of both the Topographic and Construction Engineer. Capabilities provided by this equipment enable engineers to establish the geodetic control necessary to support Artillery (e.g., placement of weapons platforms), Aviation (e.g., aircraft registration, safety surveys) and Topographic support. GPS-S integrates Selective Availability, Anti-Spoofing Module (SAASM) and Precise Positioning System GPS software upgrades into a Commercial Off the Shelf (COTS) GPS for military survey applications. Additionally, this equipment supports Construction Engineering surveys (e.g., roads, buildings, logistics sites, staging areas, airfield construction). Software functionality, included as part of this procurement, allows the user to accomplish the design work necessary for site design and construction (e.g., material calculations, labor, resources).

GPS-Survey Army Acquisition Objective (AAO) = 364
 GPS-S Hardware and Software are Commercial Off the Shelf (COTS) and Government Off the Shelf (GOTS) procurements.

Secondary Distribution		FY 2014	FY 2015	FY 2016 Base	FY 2016 OCO	FY 2016 Total	FY 2017	FY 2018	FY 2019	FY 2020
Army	Quantity	-	-	-	-	-	-	-	-	-
	Total Obligation Authority	-	2.701	2.218	-	2.218	0.410	1.430	0.639	-
ANG	Quantity	-	-	-	-	-	-	-	-	-
	Total Obligation Authority	0.634	1.704	1.128	-	1.128	0.784	1.000	0.677	0.704
AR	Quantity	-	-	-	-	-	-	-	-	-
	Total Obligation Authority	0.981	1.032	0.896	-	0.896	0.815	1.000	0.677	0.704
Total:	Quantity	-	-	-	-	-	-	-	-	-

UNCLASSIFIED

Exhibit P-40, Budget Line Item Justification: PB 2016 Army							Date: February 2015			
Appropriation / Budget Activity / Budget Sub Activity: 2035A: Other Procurement, Army / BA 02: Communications and Electronics Equipment / BSA 95: Elect Equip - Audio Visual Sys (A/V)					P-1 Line Item Number / Title: BL5300 / Items Less Than \$5M (Surveying Equipment)					
ID Code (A=Service Ready, B=Not Service Ready) :			Program Elements for Code B Items:			Other Related Program Elements:				
Secondary Distribution		FY 2014	FY 2015	FY 2016 Base	FY 2016 OCO	FY 2016 Total	FY 2017	FY 2018	FY 2019	FY 2020
Secondary Distribution	Total Obligation Authority	1.615	5.437	4.242	-	4.242	2.009	3.430	1.993	1.408

UNCLASSIFIED

Exhibit P-40, Budget Line Item Justification: PB 2016 Army **Date:** February 2015

Appropriation / Budget Activity / Budget Sub Activity: 2035A: Other Procurement, Army / BA 02: Communications and Electronics Equipment / BSA 95: Elect Equip - Audio Visual Sys (A/V)	P-1 Line Item Number / Title: BL5300 / Items Less Than \$5M (Surveying Equipment)
---	---

ID Code (A=Service Ready, B=Not Service Ready) :			Program Elements for Code B Items:			Other Related Program Elements:		
Exhibits Schedule			Prior Years	FY 2014	FY 2015	FY 2016 Base	FY 2016 OCO	FY 2016 Total
Title*	Exhibits	ID CD	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)
BL5300 / Items Less Than \$5M (Surveying Equipment)	P-5, P-5a		- / 52.007	- / 1.615	- / 5.437	- / 4.242	- / -	- / 4.242
Total Gross/Weapon System Cost			- / 52.007	- / 1.615	- / 5.437	- / 4.242	- / -	- / 4.242

*Title represents 1) the Number / Title for Items; 2) the Number / Title [DODIC] for Ammunition; and/or 3) the Number / Title (Modification Type) for Modifications.
 Note: Totals in this Exhibit P-40 set may not be exact or add due to rounding.

Justification:
 FY 2016 Base procurement dollars in the amount of \$4.242 million supports the procurement of up to 33 Global Positioning System - Survey (GPS-S) for Active Duty, National Guard and Army Reserve units to meet Army Force Generation (ARFORGEN) requirements..

In accordance with Section 1815 of the FY2008 National Defense Authorization Act (P.L. 110-181), this item is necessary for use by the active and reserve components of the Armed Forces for homeland defense missions, domestic emergency responses, and providing military support to civil authorities.

UNCLASSIFIED

Exhibit P-5, Cost Analysis: PB 2016 Army		Date: February 2015
Appropriation / Budget Activity / Budget Sub Activity: 2035A / 02 / 95	P-1 Line Item Number / Title: BL5300 / Items Less Than \$5M (Surveying Equipment)	Item Number / Title [DODIC]: BL5300 / Items Less Than \$5M (Surveying Equipment)

ID Code (A=Service Ready, B=Not Service Ready) :	MDAP/MAIS Code:
---	------------------------

Resource Summary	Prior Years	FY 2014	FY 2015	FY 2016 Base	FY 2016 OCO	FY 2016 Total
Procurement Quantity (Units in Each)	-	-	-	-	-	-
Gross/Weapon System Cost (\$ in Millions)	52.007	1.615	5.437	4.242	-	4.242
Less PY Advance Procurement (\$ in Millions)	-	-	-	-	-	-
Net Procurement (P1) (\$ in Millions)	52.007	1.615	5.437	4.242	-	4.242
Plus CY Advance Procurement (\$ in Millions)	-	-	-	-	-	-
Total Obligation Authority (\$ in Millions)	52.007	1.615	5.437	4.242	-	4.242

(The following Resource Summary rows are for informational purposes only. The corresponding budget requests are documented elsewhere.)

Initial Spares (\$ in Millions)	-	-	-	-	-	-
Gross/Weapon System Unit Cost (\$ in Thousands)	597.782	807.500	106.608	128.545	-	128.545

Note: Subtotals or Totals in this Exhibit P-5 may not be exact or add, due to rounding.

Cost Elements	Prior Years			FY 2014			FY 2015			FY 2016 Base			FY 2016 OCO			FY 2016 Total		
	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)
Flyaway Cost																		
Recurring Cost																		
GPS-S Systems ^(†)	-	-	1.050	71.000	2	0.142	73.000	51	3.723	76.000	33	2.508	-	-	-	76.000	33	2.508
Design Engineering	-	-	1.400	-	-	0.680	-	-	0.578	-	-	0.598	-	-	-	-	-	0.598
Total Package Fielding	-	-	0.500	-	-	-	-	-	0.405	-	-	0.405	-	-	-	-	-	0.405
Project Management and Administration	-	-	9.333	-	-	0.440	-	-	0.440	-	-	0.440	-	-	-	-	-	0.440
Matrix Support	-	-	2.285	-	-	0.353	-	-	0.159	-	-	0.159	-	-	-	-	-	0.159
Other	-	-	37.439	-	-	-	-	-	0.132	-	-	0.132	-	-	-	-	-	0.132
<i>Subtotal: Recurring Cost</i>	-	-	52.007	-	-	1.615	-	-	5.437	-	-	4.242	-	-	-	-	-	4.242
<i>Subtotal: Flyaway Cost</i>	-	-	52.007	-	-	1.615	-	-	5.437	-	-	4.242	-	-	-	-	-	4.242
Gross/Weapon System Cost	597.782	-	52.007	807.500	-	1.615	106.608	-	5.437	128.545	-	4.242	-	-	-	128.545	-	4.242

Secondary Distribution		FY 2014	FY 2015	FY 2016 Base	FY 2016 OCO	FY 2016 Total
Army	Quantity	-	-	-	-	-
	Total Obligation Authority	-	2.701	2.218	-	2.218
ANG	Quantity	-	-	-	-	-
	Total Obligation Authority	0.634	1.704	1.128	-	1.128
AR	Quantity	-	-	-	-	-

UNCLASSIFIED

Exhibit P-5, Cost Analysis: PB 2016 Army		Date: February 2015
Appropriation / Budget Activity / Budget Sub Activity: 2035A / 02 / 95	P-1 Line Item Number / Title: BL5300 / Items Less Than \$5M (Surveying Equipment)	Item Number / Title [DODIC]: BL5300 / Items Less Than \$5M (Surveying Equipment)

ID Code (A=Service Ready, B=Not Service Ready) :		MDAP/MAIS Code:				
Secondary Distribution		FY 2014	FY 2015	FY 2016 Base	FY 2016 OCO	FY 2016 Total
	Total Obligation Authority	0.981	1.032	0.896	-	0.896
Total:	Quantity	-	-	-	-	-
Secondary Distribution	Total Obligation Authority	1.615	5.437	4.242	-	4.242

(t) indicates the presence of a P-5a

UNCLASSIFIED

Exhibit P-5a, Procurement History and Planning: PB 2016 Army **Date:** February 2015

Appropriation / Budget Activity / Budget Sub Activity: 2035A / 02 / 95	P-1 Line Item Number / Title: BL5300 / Items Less Than \$5M (Surveying Equipment)	Item Number / Title [DODIC]: BL5300 / Items Less Than \$5M (Surveying Equipment)
--	---	--

Cost Elements	O C O	FY	Contractor and Location	Method/Type or Funding Vehicle	Location of PCO	Award Date	Date of First Delivery	Qty <i>(Each)</i>	Unit Cost <i>(\$ K)</i>	Specs Avail Now?	Date Revision Available	RFP Issue Date
GPS-S Systems		2014	TAG Inc / Sterling, VA	C / FFP	AGC, Alexandria VA	Jun 2014	Jun 2015	2	71.000			
GPS-S Systems		2015	TAG Inc / Sterling, VA	C / FFP	AGC, Alexandria VA	Jan 2015	Jan 2016	51	73.000			
GPS-S Systems		2016	TAG Inc / Sterling, VA	C / FFP	AGC, Alexandria VA	Jan 2016	Jan 2017	33	76.000			

Remarks:
 GPS-S Hardware and Software are Commercial Off the Shelf (COTS) and Government Off the Shelf (GOTS) procurements.
 GPS-S is Selected Availability Anti-Spoofing Module enabled to support military operations.

UNCLASSIFIED

Exhibit P-40, Budget Line Item Justification: PB 2016 Army **Date:** February 2015

Appropriation / Budget Activity / Budget Sub Activity: 2035A: Other Procurement, Army / BA 02: Communications and Electronics Equipment / BSA 98: Elect Equip - Support	P-1 Line Item Number / Title: BF5400 / Production Base Support (C-E)
--	--

ID Code (A=Service Ready, B=Not Service Ready) :	Program Elements for Code B Items:	Other Related Program Elements:
---	---	--

Resource Summary	Prior Years	FY 2014	FY 2015	FY 2016 Base	FY 2016 OCO	FY 2016 Total	FY 2017	FY 2018	FY 2019	FY 2020	To Complete	Total
Procurement Quantity <i>(Units in Each)</i>	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Cost <i>(\$ in Millions)</i>	113.777	0.554	0.426	0.425	-	0.425	0.432	0.500	0.512	0.522	-	117.148
Less PY Advance Procurement <i>(\$ in Millions)</i>	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P1) <i>(\$ in Millions)</i>	113.777	0.554	0.426	0.425	-	0.425	0.432	0.500	0.512	0.522	-	117.148
Plus CY Advance Procurement <i>(\$ in Millions)</i>	-	-	-	-	-	-	-	-	-	-	-	-
Total Obligation Authority <i>(\$ in Millions)</i>	113.777	0.554	0.426	0.425	-	0.425	0.432	0.500	0.512	0.522	-	117.148

(The following Resource Summary rows are for informational purposes only. The corresponding budget requests are documented elsewhere.)

Initial Spares <i>(\$ in Millions)</i>	-	-	-	-	-	-	-	-	-	-	-	-
Flyaway Unit Cost <i>(\$ in Thousands)</i>	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Unit Cost <i>(\$ in Thousands)</i>	-	-	-	-	-	-	-	-	-	-	-	-

Description:

This program provides funding to the Army Test and Evaluation Command (ATEC) to establish, modernize, expand or replace test facilities used in production testing of Communications and Electronic equipment. It sustains Army production test capabilities through upgrade and replacement of instrumentation and equipment that is technologically and/or economically obsolete. Modernization of test instrumentation and equipment provides increased automation and efficiencies, improved data quality and quantity and cost avoidances to Army Program Managers. Programmed funding will be used to upgrade or replace production test instrumentation and equipment at the Electronic Proving Ground (EPG), Fort Huachuca, AZ.

UNCLASSIFIED

Exhibit P-40, Budget Line Item Justification: PB 2016 Army **Date:** February 2015

Appropriation / Budget Activity / Budget Sub Activity: 2035A: Other Procurement, Army / BA 02: Communications and Electronics Equipment / BSA 98: Elect Equip - Support	P-1 Line Item Number / Title: BF5400 / Production Base Support (C-E)
--	--

Exhibits Schedule			Program Elements for Code B Items:			Other Related Program Elements:		
			Prior Years	FY 2014	FY 2015	FY 2016 Base	FY 2016 OCO	FY 2016 Total
Title*	Exhibits	ID CD	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)
BA5000 / PROVISION OF INDUSTRIAL FACILITIES	P-40a		- / 113.777	- / 0.554	- / 0.426	- / 0.425	- / -	- / 0.425
Total Gross/Weapon System Cost			- / 113.777	- / 0.554	- / 0.426	- / 0.425	- / -	- / 0.425

*Title represents 1) the Number / Title for Items; 2) the Number / Title [DODIC] for Ammunition; and/or 3) the Number / Title (Modification Type) for Modifications.

Note: Totals in this Exhibit P-40 set may not be exact or add due to rounding.

Justification:
 FY 2016 Base procurement dollars in the amount of \$0.425 million supports the ongoing modernization of EPG's Global Positioning System (GPS) testing lab to the new military signal standards. It will purchase two differential GPS receivers for ground truth, upgrade GPS transmitter system and upgrade GPS data collection software to collect and analyze new coded data blocks. The majority of the instrumentation being upgraded or replaced is obsolete and has met or exceeded its economic life. This instrumentation is required to ensure complete and accurate test data is collected and safety and environmental hazards are minimized. Benefits of this project include increased test efficiencies and decreased costs and risks to Army Program Managers.

IAW Section 1815 of the FY08 NDAA this item is necessary for use by the active components and reserve components of the Armed Forces for homeland defense missions, domestic emergency responses, and providing military support to civil authorities.

UNCLASSIFIED

Exhibit P-40a, Budget Item Justification For Aggregated Items: PB 2016 Army															Date: February 2015				
Appropriation / Budget Activity / Budget Sub Activity: 2035A / 02 / 98								P-1 Line Item Number / Title: BF5400 / Production Base Support (C-E)							Aggregated Items Title: Various				

Note: Subtotals or Totals in this Exhibit P-40a may not be exact or add, due to rounding.

Item Number / Title [DODIC]	ID CD	MDAP/MAIS Code	Prior Years			FY 2014			FY 2015			FY 2016 Base			FY 2016 OCO			FY 2016 Total		
			Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)
PROVISION OF INDUSTRIAL FACILITIES																				
BA5000 / PROVISION OF INDUSTRIAL FACILITIES			-	-	113.777	-	-	0.554	-	-	0.426	-	-	0.425	-	-	-	-	-	0.425
<i>Subtotal: PROVISION OF INDUSTRIAL FACILITIES</i>			-	-	113.777	-	-	0.554	-	-	0.426	-	-	0.425	-	-	-	-	-	0.425
Total			-	-	113.777	-	-	0.554	-	-	0.426	-	-	0.425	-	-	-	-	-	0.425

UNCLASSIFIED

Exhibit P-40, Budget Line Item Justification: PB 2016 Army **Date:** February 2015

Appropriation / Budget Activity / Budget Sub Activity: 2035A: Other Procurement, Army / BA 02: Communications and Electronics Equipment / BSA 98: Elect Equip - Support	P-1 Line Item Number / Title: B88801 / BCT Emerging Technologies
--	--

ID Code (A=Service Ready, B=Not Service Ready) :	Program Elements for Code B Items:	Other Related Program Elements:
---	---	--

Resource Summary	Prior Years	FY 2014	FY 2015	FY 2016 Base	FY 2016 OCO	FY 2016 Total	FY 2017	FY 2018	FY 2019	FY 2020	To Complete	Total
Procurement Quantity <i>(Units in Each)</i>	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Cost <i>(\$ in Millions)</i>	-	-	-	7.438	-	7.438	7.510	7.587	7.664	7.741	-	37.940
Less PY Advance Procurement <i>(\$ in Millions)</i>	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P1) <i>(\$ in Millions)</i>	-	-	-	7.438	-	7.438	7.510	7.587	7.664	7.741	-	37.940
Plus CY Advance Procurement <i>(\$ in Millions)</i>	-	-	-	-	-	-	-	-	-	-	-	-
Total Obligation Authority <i>(\$ in Millions)</i>	-	-	-	7.438	-	7.438	7.510	7.587	7.664	7.741	-	37.940

(The following Resource Summary rows are for informational purposes only. The corresponding budget requests are documented elsewhere.)

Initial Spares <i>(\$ in Millions)</i>	-	-	-	-	-	-	-	-	-	-	-	-
Flyaway Unit Cost <i>(\$ in Thousands)</i>	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Unit Cost <i>(\$ in Thousands)</i>	-	-	-	-	-	-	-	-	-	-	-	-

Description:

Brigade Combat Team (BCT) Emerging Technologies provides funding for the procurement of Network Integration Evaluation (NIE) evaluated and Army approved commodities (hardware and software) and installation of these network enhancements onto Brigade Combat Team (BCT) vehicle platforms. These funds provide for the procurement and installation of hardware/software products/components, which are not a part of a current Program of Record (POR) and have been evaluated and approved through the Army's Agile NIE process for inclusion into the Army's Capability Sets (CS) Synchronized Fielding plan. Hardware/software products/component include the tested and approved system, vehicle mounting hardware (A-Kits), and ancillary equipment such as power amplifiers/splitters, GPS units, loudspeakers, routers, and battery isolators, filters, cables, connectors, AC inverters, utility outlets, environmental control units (ECU), fans, thermal & power switches, diplexers, and antennas.

This program is a new start in FY 2016.

Secondary Distribution	FY 2014	FY 2015	FY 2016 Base	FY 2016 OCO	FY 2016 Total	FY 2017	FY 2018	FY 2019	FY 2020
Army	Quantity	-	-	-	-	-	-	-	-
	Total Obligation Authority	-	-	7.438	-	7.438	7.510	7.587	7.664
Total: Secondary Distribution	Quantity	-	-	-	-	-	-	-	-
	Total Obligation Authority	-	-	7.438	-	7.438	7.510	7.587	7.664

UNCLASSIFIED

Exhibit P-40, Budget Line Item Justification: PB 2016 Army **Date:** February 2015

Appropriation / Budget Activity / Budget Sub Activity: 2035A: Other Procurement, Army / BA 02: Communications and Electronics Equipment / BSA 98: Elect Equip - Support	P-1 Line Item Number / Title: B88801 / BCT Emerging Technologies
--	--

ID Code (A=Service Ready, B=Not Service Ready) :			Program Elements for Code B Items:			Other Related Program Elements:		
Exhibits Schedule			Prior Years	FY 2014	FY 2015	FY 2016 Base	FY 2016 OCO	FY 2016 Total
Title*	Exhibits	ID CD	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)
B88801 / BCT Emerging Technologies	P-5		- / -	- / -	- / -	- / 7.438	- / -	- / 7.438
Total Gross/Weapon System Cost			- / -	- / -	- / -	- / 7.438	- / -	- / 7.438

*Title represents 1) the Number / Title for Items; 2) the Number / Title [DODIC] for Ammunition; and/or 3) the Number / Title (Modification Type) for Modifications.
 Note: Totals in this Exhibit P-40 set may not be exact or add due to rounding.

Justification:
 FY 2016 Base procurement dollars in the amount of \$7.438 million procures Network hardware/software products/components and associated vehicle mounting equipment (A-Kits) to meet Army emerging requirements for the Synchronized Integrated Fielding process in support of CS 16 and 17 fieldings depending on the length of the final Non-Reoccurring Engineering (NRE) and production timeline. These Network Improvements are designed to close Army gaps in support of the Army's Force 2025 Network Goals.

These hardware/software products will be acquired either through existing Army contracts and/or production options that are established as part of the NIE DP3 approval process. A-Kits and installation services will be acquired through established contracts with the vehicle manufacturers or integrators.

The exact procurement requirements are defined upon completion of each NIE, when all hardware/software products have gone through the evaluation and approval process. CS 16 and 17 request is based upon the results of planning for and executing CS 13 and 14; ASA(ALT) fielded four (4) IBCTs in CS 13 and will field six (6) IBCTs, two (2) SBCTs and one (1) Division HQ in CS 14.

IAW Section 1815 of the FY08 NDAA this item is necessary for use by the active components and reserve components of the Armed Forces for homeland defense missions, domestic emergency responses, and providing military support to civil authorities.

UNCLASSIFIED

Exhibit P-5, Cost Analysis: PB 2016 Army **Date:** February 2015

Appropriation / Budget Activity / Budget Sub Activity: 2035A / 02 / 98	P-1 Line Item Number / Title: B88801 / BCT Emerging Technologies	Item Number / Title [DODIC]: B88801 / BCT Emerging Technologies
--	--	---

ID Code (A=Service Ready, B=Not Service Ready) :	MDAP/MAIS Code:
---	------------------------

Resource Summary	Prior Years	FY 2014	FY 2015	FY 2016 Base	FY 2016 OCO	FY 2016 Total
Procurement Quantity <i>(Units in Each)</i>	-	-	-	-	-	-
Gross/Weapon System Cost <i>(\$ in Millions)</i>	-	-	-	7.438	-	7.438
Less PY Advance Procurement <i>(\$ in Millions)</i>	-	-	-	-	-	-
Net Procurement (P1) <i>(\$ in Millions)</i>	-	-	-	7.438	-	7.438
Plus CY Advance Procurement <i>(\$ in Millions)</i>	-	-	-	-	-	-
Total Obligation Authority <i>(\$ in Millions)</i>	-	-	-	7.438	-	7.438

(The following Resource Summary rows are for informational purposes only. The corresponding budget requests are documented elsewhere.)

Initial Spares <i>(\$ in Millions)</i>	-	-	-	-	-	-
Gross/Weapon System Unit Cost <i>(\$ in Thousands)</i>	-	-	-	-	-	-

Note: Subtotals or Totals in this Exhibit P-5 may not be exact or add, due to rounding.

Cost Elements	Prior Years			FY 2014			FY 2015			FY 2016 Base			FY 2016 OCO			FY 2016 Total		
	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)
Flyaway Cost																		
Recurring Cost																		
CS 16 &17 Request	-	-	-	-	-	-	-	-	-	7,438.000	1	7.438	-	-	-	7,438.000	1	7.438
<i>Subtotal: Recurring Cost</i>	-	-	-	-	-	-	-	-	-	-	-	7.438	-	-	-	-	-	7.438
<i>Subtotal: Flyaway Cost</i>	-	-	-	-	-	-	-	-	-	-	-	7.438	-	-	-	-	-	7.438
Gross/Weapon System Cost	-	-	-	-	-	-	-	-	-	-	-	7.438	-	-	-	-	-	7.438

Secondary Distribution	FY 2014	FY 2015	FY 2016 Base	FY 2016 OCO	FY 2016 Total
Army					
Quantity	-	-	-	-	-
Total Obligation Authority	-	-	7.438	-	7.438
Total:					
Quantity	-	-	-	-	-
Total Obligation Authority	-	-	7.438	-	7.438

UNCLASSIFIED

Exhibit P-40, Budget Line Item Justification: PB 2016 Army **Date:** February 2015

Appropriation / Budget Activity / Budget Sub Activity: 2035A: Other Procurement, Army / BA 02: Communications and Electronics Equipment / BSA 36: Comm - Intelligence Comm	P-1 Line Item Number / Title: BD3910 / Classified
---	---

ID Code (A=Service Ready, B=Not Service Ready) :	Program Elements for Code B Items:						Other Related Program Elements:					
Resource Summary	Prior Years	FY 2014	FY 2015	FY 2016 Base	FY 2016 OCO	FY 2016 Total	FY 2017	FY 2018	FY 2019	FY 2020	To Complete	Total
Procurement Quantity (Units in Each)	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Cost (\$ in Millions)	0.001	-	-	-	-	-	-	-	-	-	-	0.001
Less PY Advance Procurement (\$ in Millions)	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P1) (\$ in Millions)	0.001	-	-	-	-	-	-	-	-	-	-	0.001
Plus CY Advance Procurement (\$ in Millions)	-	-	-	-	-	-	-	-	-	-	-	-
Total Obligation Authority (\$ in Millions)	0.001	-	-	-	-	-	-	-	-	-	-	0.001
<i>(The following Resource Summary rows are for informational purposes only. The corresponding budget requests are documented elsewhere.)</i>												
Initial Spares (\$ in Millions)	-	-	-	-	-	-	-	-	-	-	-	-
Flyaway Unit Cost (\$ in Thousands)	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Unit Cost (\$ in Thousands)	-	-	-	-	-	-	-	-	-	-	-	-

Description:

INFORMATION IDENTIFIED IN VOL II OF THE JOINT MILITARY INTELLIGENCE PROGRAM CONGRESSIONAL JUSTIFICATION BOOK.

