

UNCLASSIFIED

**Department of Defense  
Fiscal Year (FY) 2017 Request for Additional Appropriations**

March 2017



**Army**

*Justification Book of*

***Other Procurement, Army***

**Communications and Electronics Equipment, Budget Activity 2**

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## **PROCUREMENT OF OTHER PROCUREMENT, ARMY**

### **APPROPRIATION LANGUAGE**

For construction, procurement, production, and modification of Other Procurement, Army, equipment, including ordnance, spare parts, and accessories therefore; specialized equipment and training devices; expansion of public and private plants, including the land necessary therefore, for the foregoing purposes, and such lands and interests therein, may be acquired, and construction prosecuted thereon prior to approval of title; and procurement and installation of equipment, appliances, and machine tools in public and private plants; reserve plant and government and contractor-owned equipment layaway; and other expenses necessary for the foregoing purposes, \$8,021,167.00 to remain available for obligation until September 30, 2019.

### **COST STATEMENT**

The following Justification Books were prepared at a cost of \$69,900: Aircraft (ACFT), Missile (MSLS), Weapons & Tracked Combat Vehicles (WTCV), Ammunition (AMMO), 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 3, Budget Activity 4, Budget Activity 5A, Budget Activity 5B, Budget Activity 6, and Budget Activity 7.

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Army • Request for Additional Appropriations FY 2017 • Procurement

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

***Appropriation 2035A: Other Procurement, Army***

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52	02	64	B63000	Defensive CYBER Operations.....	2
56	02	73	BU0500	Installation Info Infrastructure Mod Program.....	4
62	02	80	BZ7316	DCGS-A (MIP).....	7
64	02	80	BA0326	TROJAN (MIP).....	9
65	02	80	BZ9750	Mod of In-Svc Equip (INTEL SPT) (MIP).....	11
69	02	80	BK5300	Biometric Tactical Collection Devices (MIP).....	13
70	02	83	B05201	Lightweight Counter Mortar Radar.....	15
74	02	83	BL5287	Family Of Persistent Surveillance Capabilities.....	17
78	02	86	KA3500	Night Vision Devices.....	19
79	02	86	K35110	Small Tactical Optical Rifle Mounted MLRF.....	21
80	02	86	BZ0501	Indirect Fire Protection Family Of Systems.....	23
85	02	86	W61990	JOINT BATTLE COMMAND - PLATFORM (JBC-P).....	26
88	02	86	BZ6501	Base Expeditary Targeting and Surv Sys.....	28
92	02	89	AD5070	AIR & MSL Defense Planning & Control Sys.....	30
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**Line Item Table of Contents (Alphabetically by Line Item Title)**

<b>Line Item Title</b>	<b>Line Item Number</b>	<b>Line #</b>	<b>BA</b>	<b>BSA</b>	<b>Page</b>
AIR & MSL Defense Planning & Control Sys	AD5070	92	02	89.....	30
Automated Data Processing Equip	BD3000	102	02	92.....	32
Base Expeditary Targeting and Surv Sys	BZ6501	88	02	86.....	28
Biometric Tactical Collection Devices (MIP)	BK5300	69	02	80.....	13
CI Automation Architecture	BK5284	47	02	36.....	1
DCGS-A (MIP)	BZ7316	62	02	80.....	7
Defensive CYBER Operations	B63000	52	02	64.....	2
Family Of Persistent Surveillance Capabilities	BL5287	74	02	83.....	17
Indirect Fire Protection Family Of Systems	BZ0501	80	02	86.....	23
Installation Info Infrastructure Mod Program	BU0500	56	02	73.....	4
JOINT BATTLE COMMAND - PLATFORM (JBC-P)	W61990	85	02	86.....	26
Lightweight Counter Mortar Radar	B05201	70	02	83.....	15
Mod of In-Svc Equip (INTEL SPT) (MIP)	BZ9750	65	02	80.....	11
Night Vision Devices	KA3500	78	02	86.....	19
Small Tactical Optical Rifle Mounted MLRF	K35110	79	02	86.....	21
TROJAN (MIP)	BA0326	64	02	80.....	9

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Department of the Army

March Budget Amendment to the FY 2017 President's Budget Request for BASE + Overseas Contingency Operations (OCO)  
 Exhibit P-1 March Budget Amendment to the FY 2017 President's Budget Request for BASE + Overseas Contingency Operations (OCO)  
 Total Obligational Authority  
 (Dollars in Thousands)

13 Mar 2017

Appropriation	FY 2017 PB Request Base	FY 2017 Mar Amended Request Base	FY 2017 Revised PB Request Base
Other Procurement, Army	5,873,949	449,345	6,323,294
Total Department of the Army	5,873,949	449,345	6,323,294

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Department of the Army  
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 Total Obligational Authority  
 (Dollars in Thousands) 13 Mar 2017

<u>Appropriation</u>	FY 2017 PB Request OCO	FY 2017 Nov Amended Request OCO	FY 2017 Mar Amended Request OCO	FY 2017 Total OCO Request
Other Procurement, Army	1,373,010	98,500	298,363	1,769,873
Total Department of the Army	1,373,010	98,500	298,363	1,769,873

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Department of the Army

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 Total Obligational Authority (Dollars in Thousands) 13 Mar 2017

Appropriation	FY 2017 Less Enacted Div. B, P.L. 114-254 OCO	FY 2017 Remaining PB Request OCO
Other Procurement, Army	-72,000	1,697,873
Total Department of the Army	-72,000	1,697,873



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 Total Obligational Authority  
 (Dollars in Thousands)

13 Mar 2017

Appropriation	FY 2017 PB Request wNov Amend Less Enacted PL 114-254 Base+OCO	FY 2017 Mar Amended Request Base+OCO	FY 2017 PB Remaining Base+OCO
Other Procurement, Army	7,273,459	747,708	8,021,167
Total Department of the Army	7,273,459	747,708	8,021,167

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March Budget Amendment to the FY 2017 President's Budget Request for BASE + Overseas Contingency Operations (OCO)  
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 Total Obligational Authority (Dollars in Thousands) 13 Mar 2017

Appropriation: Other Procurement, Army

Budget Activity	FY 2017 PB Request Base	FY 2017 Mar Amended Request Base	FY 2017 Revised PB Request Base
01. Tactical and Support Vehicles	842,481		842,481
02. Communications and Electronics Equipment	3,632,369	396,996	4,029,365
03. Other Support Equipment	1,371,856	52,349	1,424,205
04. Spare and Repair Parts	27,243		27,243
Total Other Procurement, Army	5,873,949	449,345	6,323,294

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 Total Obligational Authority  
 (Dollars in Thousands)

13 Mar 2017

Appropriation: Other Procurement, Army

Budget Activity	FY 2017 PB Request OCO	FY 2017 Nov Amended Request OCO	FY 2017 Mar Amended Request OCO	FY 2017 Total OCO Request
01. Tactical and Support Vehicles	876,512			876,512
02. Communications and Electronics Equipment	254,988	98,500	268,811	622,299
03. Other Support Equipment	241,510		29,552	271,062
04. Spare and Repair Parts				
Total Other Procurement, Army	1,373,010	98,500	298,363	1,769,873

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 Total Obligational Authority  
 (Dollars in Thousands) 13 Mar 2017

Appropriation: Other Procurement, Army

Budget Activity -----	FY 2017 Less Enacted Div. B, P.L. 114-254 OCO -----	FY 2017 Remaining PB Request OCO -----
01. Tactical and Support Vehicles		876,512
02. Communications and Electronics Equipment	-72,000	550,299
03. Other Support Equipment		271,062
04. Spare and Repair Parts		
Total Other Procurement, Army	-72,000	1,697,873

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 (Dollars in Thousands)

13 Mar 2017

## Appropriation: Other Procurement, Army

Budget Activity	FY 2017 PB Request wNov Amend Less Enacted PL 114-254 Base+OCO	FY 2017 Mar Amended Request Base+OCO	FY 2017 PB Remaining Base+OCO
-----	-----	-----	-----
01. Tactical and Support Vehicles	1,718,993		1,718,993
02. Communications and Electronics Equipment	3,913,857	665,807	4,579,664
03. Other Support Equipment	1,613,366	81,901	1,695,267
04. Spare and Repair Parts	27,243		27,243
Total Other Procurement, Army	7,273,459	747,708	8,021,167

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13 Mar 2017

Appropriation: 2035A Other Procurement, Army

Line No	Item Nomenclature	Ident Code	FY 2017 PB Request Base		FY 2017 Mar Amended Request Base		FY 2017 Revised PB Request Base		S e c
			Quantity	Cost	Quantity	Cost	Quantity	Cost	
<u>Budget Activity 01: Tactical and Support Vehicles</u>									
Tactical Vehicles									
1	Tactical Trailers/Dolly Sets	A		3,733				3,733	U
2	Semitrailers, Flatbed:	A		3,716				3,716	U
3	Ground Mobility Vehicles (GMV)	A		4,907				4,907	U
4	Joint Light Tactical Vehicle	A	1828	587,514			1828	587,514	U
5	Truck, Dump, 20t (CCE)			3,927				3,927	U
6	Family of Medium Tactical Veh (FMTV)		8	53,293			8	53,293	U
7	Firetrucks & Associated Firefighting Equip			7,460				7,460	U
8	Family of Heavy Tactical Vehicles (FHTV)		430	39,564			430	39,564	U
9	Pls Esp	A		11,856				11,856	U
10	Hvy Expanded Mobile Tactical Truck Ext Serv								U
11	Tactical Wheeled Vehicle Protection Kits	A		49,751				49,751	U
12	Modification of In Svc Equip			64,000				64,000	U
13	Mine-Resistant Ambush-Protected (MRAP) Mods	A		10,611				10,611	U
Non-Tactical Vehicles									
14	Heavy Armored Sedan			394				394	U
15	Nontactical Vehicles, Other	A		1,755				1,755	U
Total Tactical and Support Vehicles				842,481				842,481	

P-1AMF: Budget Amendment to the FY 2017 President's Budget Request (Published Version), as of March 13, 2017 at 11:19:15

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Appropriation: 2035A Other Procurement, Army

Line No	Item Nomenclature	Ident Code	FY 2017 PB Request OCO		FY 2017 Nov Amended Request OCO		FY 2017 Mar Amended Request OCO		FY 2017 Total OCO Request		S e c
			Quantity	Cost	Quantity	Cost	Quantity	Cost	Quantity	Cost	
Budget Activity 01: Tactical and Support Vehicles											
Tactical Vehicles											
1	Tactical Trailers/Dolly Sets	A									U
2	Semitrailers, Flatbed:	A		4,180					4,180		U
3	Ground Mobility Vehicles (GMV)	A									U
4	Joint Light Tactical Vehicle	A									U
5	Truck, Dump, 20t (CCE)										U
6	Family of Medium Tactical Veh (FMTV)		1092	299,476					1092	299,476	U
7	Firetrucks & Associated Firefighting Equip										U
8	Family of Heavy Tactical Vehicles (FHTV)		51	6,122					51	6,122	U
9	Pls Esp	A		106,358					106,358		U
10	Hvy Expanded Mobile Tactical Truck Ext Serv			203,766					203,766		U
11	Tactical Wheeled Vehicle Protection Kits	A		101,154					101,154		U
12	Modification of In Svc Equip			155,456					155,456		U
13	Mine-Resistant Ambush-Protected (MRAP) Mods	A									U
Non-Tactical Vehicles											
14	Heavy Armored Sedan										U
15	Nontactical Vehicles, Other	A									U
Total Tactical and Support Vehicles				876,512					876,512		

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Line No	Item Nomenclature	Ident Code	FY 2017 Less Enacted Div.B,P.L. 114-254		FY 2017 Remaining PB Request OCO		S e c
			Quantity	Cost	Quantity	Cost	
<u>Budget Activity 01: Tactical and Support Vehicles</u>							
Tactical Vehicles							
1	Tactical Trailers/Dolly Sets	A					U
2	Semitrailers, Flatbed:	A			4,180		U
3	Ground Mobility Vehicles (GMV)	A					U
4	Joint Light Tactical Vehicle	A					U
5	Truck, Dump, 20t (CCE)						U
6	Family of Medium Tactical Veh (FMTV)				1092	299,476	U
7	Firetrucks & Associated Firefighting Equip						U
8	Family of Heavy Tactical Vehicles (FHTV)				51	6,122	U
9	Pls Esp *	A				106,358	U
10	Hvy Expanded Mobile Tactical Truck Ext Serv					203,766	U
11	Tactical Wheeled Vehicle Protection Kits	A				101,154	U
12	Modification of In Svc Equip					155,456	U
13	Mine-Resistant Ambush-Protected (MRAP) Mods	A					U
Non-Tactical Vehicles							
14	Heavy Armored Sedan						U
15	Nontactical Vehicles, Other	A					U
Total Tactical and Support Vehicles						876,512	

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Appropriation: 2035A Other Procurement, Army

Line No	Item Nomenclature	Ident Code	FY 2017 PB Request wNov Amend Less Enacted PL 114-254 Base+OCO		FY 2017 Mar Amended Request Base+OCO		FY 2017 PB Remaining Base+OCO		S e c
			Quantity	Cost	Quantity	Cost	Quantity	Cost	
Budget Activity 01: Tactical and Support Vehicles									
Tactical Vehicles									
1	Tactical Trailers/Dolly Sets	A		3,733			3,733		U
2	Semitrailers, Flatbed:	A		7,896			7,896		U
3	Ground Mobility Vehicles (GMV)	A		4,907			4,907		U
4	Joint Light Tactical Vehicle	A	1828	587,514			1828	587,514	U
5	Truck, Dump, 20t (CCE)			3,927			3,927		U
6	Family of Medium Tactical Veh (FMTV)		1100	352,769			1100	352,769	U
7	Firetrucks & Associated Firefighting Equip			7,460			7,460		U
8	Family of Heavy Tactical Vehicles (FHTV)		481	45,686			481	45,686	U
9	Pls Esp	A		118,214			118,214		U
10	Hvy Expanded Mobile Tactical Truck Ext Serv			203,766			203,766		U
11	Tactical Wheeled Vehicle Protection Kits	A		150,905			150,905		U
12	Modification of In Svc Equip			219,456			219,456		U
13	Mine-Resistant Ambush-Protected (MRAP) Mods	A		10,611			10,611		U
Non-Tactical Vehicles									
14	Heavy Armored Sedan			394			394		U
15	Nontactical Vehicles, Other	A		1,755			1,755		U
Total Tactical and Support Vehicles				1,718,993			1,718,993		

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Appropriation: 2035A Other Procurement, Army

Line No	Item Nomenclature	Ident Code	FY 2017 PB Request Base		FY 2017 Mar Amended Request Base		FY 2017 Revised PB Request Base		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		427,598				427,598	U
17	Signal Modernization Program	A		58,250				58,250	U
18	Joint Incident Site Communications Capability	A		5,749				5,749	U
19	JCSE Equipment (USREDCOM)			5,068				5,068	U
Comm - Satellite Communications									
20	Defense Enterprise Wideband Satcom Systems			143,805				143,805	U
21	Transportable Tactical Command Communications	A		36,580				36,580	U
22	SHF Term			1,985				1,985	U
23	Smart-T (SPACE)			9,165				9,165	U
Comm - C3 System									
24	Army Global Cmd & Control Sys (AGCCS)	A		2,530				2,530	U
Comm - Combat Communications									
25	Handheld Manpack Small Form Fit (HMS)	A	5656	273,645	-5656			273,645	U
26	Mid-Tier Networking Vehicular Radio (MNVR)	A		25,017				25,017	U
27	Radio Terminal Set, Mids Lvt(2)	A		12,326				12,326	U
28	Tractor Desk			2,034				2,034	U
29	Tractor Ride			2,334				2,334	U

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Line No	Item Nomenclature	Ident Code	FY 2017 PB Request OCO		FY 2017 Nov Amended Request OCO		FY 2017 Mar Amended Request OCO		FY 2017 Total OCO Request		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		9,572						9,572	U
17	Signal Modernization Program	A									U
18	Joint Incident Site Communications Capability	A									U
19	JCSE Equipment (USREDCOM)										U
Comm - Satellite Communications											
20	Defense Enterprise Wideband Satcom Systems										U
21	Transportable Tactical Command Communications	A									U
22	SHF Term			24,000						24,000	U
23	Smart-T (SPACE)										U
Comm - C3 System											
24	Army Global Cmd & Control Sys (AGCCS)	A									U
Comm - Combat Communications											
25	Handheld Manpack Small Form Fit (HMS)	A									U
26	Mid-Tier Networking Vehicular Radio (MNVR)	A									U
27	Radio Terminal Set, Mids Lvt(2)	A									U
28	Tractor Desk										U
29	Tractor Ride										U

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Line No	Item Nomenclature	Ident Code	FY 2017 Less Enacted Div.B,P.L. 114-254 OCO		FY 2017 Remaining PB Request OCO		S e c
			Quantity	Cost	Quantity	Cost	
<u>Budget Activity 02: Communications and Electronics Equipment</u>							
Comm - Joint Communications							
16	Win-T - Ground Forces Tactical Network	A			9,572		U
17	Signal Modernization Program	A					U
18	Joint Incident Site Communications Capability	A					U
19	JCSE Equipment (USREDCOM)						U
Comm - Satellite Communications							
20	Defense Enterprise Wideband Satcom Systems						U
21	Transportable Tactical Command Communications	A					U
22	SHF Term				24,000		U
23	Smart-T (SPACE)						U
Comm - C3 System							
24	Army Global Cmd & Control Sys (AGCCS)	A					U
Comm - Combat Communications							
25	Handheld Manpack Small Form Fit (HMS)	A					U
26	Mid-Tier Networking Vehicular Radio (MNVR)	A					U
27	Radio Terminal Set, Mids Lvt(2)	A					U
28	Tractor Desk						U
29	Tractor Ride						U

P-1AMF: Budget Amendment to the FY 2017 President's Budget Request (Published Version), as of March 13, 2017 at 11:19:15

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			Quantity	Cost	Quantity	Cost	Quantity	Cost		
Budget Activity 02: Communications and Electronics Equipment										
Comm - Joint Communications										
16	Win-T - Ground Forces Tactical Network	A		437,170			437,170		U	
17	Signal Modernization Program	A		58,250			58,250		U	
18	Joint Incident Site Communications Capability	A		5,749			5,749		U	
19	JCSE Equipment (USREDCOM)			5,068			5,068		U	
Comm - Satellite Communications										
20	Defense Enterprise Wideband Satcom Systems			143,805			143,805		U	
21	Transportable Tactical Command Communications	A		36,580			36,580		U	
22	SHF Term			25,985			25,985		U	
23	Smart-T (SPACE)			9,165			9,165		U	
Comm - C3 System										
24	Army Global Cmd & Control Sys (AGCCS)	A		2,530			2,530		U	
Comm - Combat Communications										
25	Handheld Manpack Small Form Fit (HMS)	A	5656	273,645	-5656		273,645		U	
26	Mid-Tier Networking Vehicular Radio (MNVR)	A		25,017			25,017		U	
27	Radio Terminal Set, Mids Lvt(2)	A		12,326			12,326		U	
28	Tractor Desk			2,034			2,034		U	
29	Tractor Ride			2,334			2,334		U	

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Appropriation: 2035A Other Procurement, Army

Line No	Item Nomenclature	Ident Code	FY 2017 PB Request Base		FY 2017 Mar Amended Request Base		FY 2017 Revised PB Request Base		S e c
			Quantity	Cost	Quantity	Cost	Quantity	Cost	
30	Spider Apla Remote Control Unit	A		1,985				1,985	U
31	Spider Family of Networked Munitions Incr	A		10,796				10,796	U
32	Tactical Communications and Protective System	A		3,607				3,607	U
33	Unified Command Suite	A		14,295				14,295	U
34	Family of Med Comm for Combat Casualty Care	A		19,893				19,893	U
Comm - Intelligence Comm									
36	CI Automation Architecture	A		1,388				1,388	U
37	Army CA/MISO GPF Equipment	A		5,494				5,494	U
Information Security									
38	Family of Biometrics	A		2,978				2,978	U
39	Communications Security (COMSEC)	A		131,356				131,356	U
40	Defensive CYBER Operations	A		15,132		12,000		27,132	U
Comm - Long Haul Communications									
41	Base Support Communications			27,452				27,452	U
Comm - Base Communications									
42	Information Systems			122,055				122,055	U
43	Emergency Management Modernization Program	A	1	4,286	-1			4,286	U
44	Installation Info Infrastructure Mod Program	A		131,794		195,200		326,994	U

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Department of the Army  
 March Budget Amendment to the FY 2017 President's Budget Request for BASE + Overseas Contingency Operations (OCO)  
 Exhibit P-1 March Budget Amendment to the FY 2017 President's Budget Request for BASE + Overseas Contingency Operations (OCO)  
 Total Obligational Authority  
 (Dollars in Thousands) 13 Mar 2017

Appropriation: 2035A Other Procurement, Army

Line No	Item Nomenclature	Ident Code	FY 2017 PB Request OCO		FY 2017 Nov Amended Request OCO		FY 2017 Mar Amended Request OCO		FY 2017 Total OCO Request		S e c
			Quantity	Cost	Quantity	Cost	Quantity	Cost	Quantity	Cost	
30	Spider Apla Remote Control Unit	A									U
31	Spider Family of Networked Munitions Incr	A									U
32	Tactical Communications and Protective System	A									U
33	Unified Command Suite	A									U
34	Family of Med Comm for Combat Casualty Care Comm - Intelligence Comm	A									U
36	CI Automation Architecture	A		1,550				8,500		10,050	U
37	Army CA/MISO GPF Equipment Information Security	A									U
38	Family of Biometrics	A									U
39	Communications Security (COMSEC)	A		1,928						1,928	U
40	Defensive CYBER Operations Comm - Long Haul Communications	A				26,500				26,500	U
41	Base Support Communications Comm - Base Communications										U
42	Information Systems										U
43	Emergency Management Modernization Program	A									U
44	Installation Info Infrastructure Mod Program	A		20,510						20,510	U

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 (Dollars in Thousands) 13 Mar 2017

Appropriation: 2035A Other Procurement, Army

Line No	Item Nomenclature	Ident Code	FY 2017 Less Enacted Div.B,P.L. 114-254 OCO		FY 2017 Remaining PB Request OCO		S e c
			Quantity	Cost	Quantity	Cost	
30	Spider Apla Remote Control Unit	A					U
31	Spider Family of Networked Munitions Incr	A					U
32	Tactical Communications and Protective System	A					U
33	Unified Command Suite	A					U
34	Family of Med Comm for Combat Casualty Care	A					U
Comm - Intelligence Comm							
36	CI Automation Architecture	A			10,050		U
37	Army CA/MISO GPF Equipment	A					U
Information Security							
38	Family of Biometrics	A					U
39	Communications Security (COMSEC)	A			1,928		U
40	Defensive CYBER Operations	A			26,500		U
Comm - Long Haul Communications							
41	Base Support Communications						U
Comm - Base Communications							
42	Information Systems						U
43	Emergency Management Modernization Program	A					U
44	Installation Info Infrastructure Mod Program	A			20,510		U



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Appropriation: 2035A Other Procurement, Army

Line No	Item Nomenclature	Ident Code	FY 2017 PB Request wNov Amend Less Enacted PL 114-254 Base+OCO		FY 2017 Mar Amended Request Base+OCO		FY 2017 PB Remaining Base+OCO		S e c
			Quantity	Cost	Quantity	Cost	Quantity	Cost	
30	Spider Apla Remote Control Unit	A		1,985				1,985	U
31	Spider Family of Networked Munitions Incr	A		10,796				10,796	U
32	Tactical Communications and Protective System	A		3,607				3,607	U
33	Unified Command Suite	A		14,295				14,295	U
34	Family of Med Comm for Combat Casualty Care	A		19,893				19,893	U
	Comm - Intelligence Comm								
36	CI Automation Architecture	A		2,938		8,500		11,438	U
37	Army CA/MISO GPF Equipment	A		5,494				5,494	U
	Information Security								
38	Family of Biometrics	A		2,978				2,978	U
39	Communications Security (COMSEC)	A		133,284				133,284	U
40	Defensive CYBER Operations	A		41,632		12,000		53,632	U
	Comm - Long Haul Communications								
41	Base Support Communications			27,452				27,452	U
	Comm - Base Communications								
42	Information Systems			122,055				122,055	U
43	Emergency Management Modernization Program	A	1	4,286	-1			4,286	U
44	Installation Info Infrastructure Mod Program	A		152,304		195,200		347,504	U

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Line No	Item Nomenclature	Ident Code	FY 2017 PB Request Base		FY 2017 Mar Amended Request Base		FY 2017 Revised PB Request Base		S e c
			Quantity	Cost	Quantity	Cost	Quantity	Cost	
Elect Equip - Tact Int Rel Act (TIARA)									
46	JTT/CIBS-M	B		5,337				5,337	U
47	DCGS-A (MIP)			242,514				242,514	U
48	Joint Tactical Ground Station (JTAGS)	A		4,417				4,417	U
49	Trojan (MIP)	B		17,455		1,120		18,575	U
50	Mod of In-Svc Equip (Intel Spt) (MIP)			44,965				44,965	U
51	CI HUMINT Auto Reprting and Coll(CHARCS)			7,658				7,658	U
52	Close Access Target Reconnaissance (CATR)			7,970				7,970	U
53	Machine Foreign Language Translation System-M	A		545				545	U
54	Biometric Tactical Collection Devices (MIP)	A							U
Elect Equip - Electronic Warfare (EW)									
55	Lightweight Counter Mortar Radar	A		74,038				74,038	U
56	EW Planning & Management Tools (EWPMT)	A		3,235				3,235	U
57	Air Vigilance (AV)	A		733				733	U
58	Family Of Persistent Surveillance Capabilitie	A		1,740				1,740	U
59	Counterintelligence/Security Countermeasures			455				455	U
60	CI Modernization	A		176				176	U
Elect Equip - Tactical Surv. (Tac Surv)									
61	Sentinel Mods			40,171				40,171	U

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Line No	Item Nomenclature	Ident Code	FY 2017 PB Request OCO		FY 2017 Nov Amended Request OCO		FY 2017 Mar Amended Request OCO		FY 2017 Total OCO Request		S e c
			Quantity	Cost	Quantity	Cost	Quantity	Cost	Quantity	Cost	
Elect Equip - Tact Int Rel Act (TIARA)											
46	JTT/CIBS-M	B									U
47	DCGS-A (MIP)			33,032				10,000		43,032	U
48	Joint Tactical Ground Station (JTAGS)	A									U
49	Trojan (MIP)	B		3,305				3,800		7,105	U
50	Mod of In-Svc Equip (Intel Spt) (MIP)							540		540	U
51	CI HUMINT Auto Reprting and Coll(CHARCS)			7,233						7,233	U
52	Close Access Target Reconnaissance (CATR)										U
53	Machine Foreign Language Translation System-M	A									U
54	Biometric Tactical Collection Devices (MIP)	A		5,670				8,750		14,420	U
Elect Equip - Electronic Warfare (EW)											
55	Lightweight Counter Mortar Radar	A		25,892				30,800		56,692	U
56	EW Planning & Management Tools (EWPMT)	A									U
57	Air Vigilance (AV)	A									U
58	Family Of Persistent Surveillance Capabilitie	A		11,610				21,191		32,801	U
59	Counterintelligence/Security Countermeasures			23,890						23,890	U
60	CI Modernization	A									U
Elect Equip - Tactical Surv. (Tac Surv)											
61	Sentinel Mods										U

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Line No	Item Nomenclature	Ident Code	FY 2017 Less Enacted Div.B,P.L. 114-254 OCO		FY 2017 Remaining PB Request OCO		S e c
			Quantity	Cost	Quantity	Cost	
	Elect Equip - Tact Int Rel Act (TIARA)						
46	JTT/CIBS-M	B					U
47	DCGS-A (MIP)				43,032		U
48	Joint Tactical Ground Station (JTAGS)	A					U
49	Trojan (MIP)	B			7,105		U
50	Mod of In-Svc Equip (Intel Spt) (MIP)				540		U
51	CI HUMINT Auto Reprting and Coll(CHARCS)				7,233		U
52	Close Access Target Reconnaissance (CATR)						U
53	Machine Foreign Language Translation System-M	A					U
54	Biometric Tactical Collection Devices (MIP)	A			14,420		U
	Elect Equip - Electronic Warfare (EW)						
55	Lightweight Counter Mortar Radar	A			56,692		U
56	EW Planning & Management Tools (EWPMT)	A					U
57	Air Vigilance (AV)	A					U
58	Family Of Persistent Surveillance Capabilitie	A			32,801		U
59	Counterintelligence/Security Countermeasures				23,890		U
60	CI Modernization	A					U
	Elect Equip - Tactical Surv. (Tac Surv)						
61	Sentinel Mods						U

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Line No	Item Nomenclature	Ident Code	FY 2017 PB Request wNov Amend Less Enacted PL 114-254 Base+OCO		FY 2017 Mar Amended Request Base+OCO		FY 2017 PB Remaining Base+OCO		S e c	
			Quantity	Cost	Quantity	Cost	Quantity	Cost		
Elect Equip - Tact Int Rel Act (TIARA)										
46	JTT/CIBS-M	B		5,337				5,337	U	
47	DCGS-A (MIP)			275,546	10,000			285,546	U	
48	Joint Tactical Ground Station (JTAGS)	A		4,417				4,417	U	
49	Trojan (MIP)	B		20,760	4,920			25,680	U	
50	Mod of In-Svc Equip (Intel Spt) (MIP)			44,965	540			45,505	U	
51	CI HUMINT Auto Reprting and Coll (CHARCS)			14,891				14,891	U	
52	Close Access Target Reconnaissance (CATR)			7,970				7,970	U	
53	Machine Foreign Language Translation System-M	A		545				545	U	
54	Biometric Tactical Collection Devices (MIP)	A		5,670	8,750			14,420	U	
Elect Equip - Electronic Warfare (EW)										
55	Lightweight Counter Mortar Radar	A		99,930	30,800			130,730	U	
56	EW Planning & Management Tools (EWPMT)	A		3,235				3,235	U	
57	Air Vigilance (AV)	A		733				733	U	
58	Family Of Persistent Surveillance Capabilitie	A		13,350	21,191			34,541	U	
59	Counterintelligence/Security Countermeasures			24,345				24,345	U	
60	CI Modernization	A		176				176	U	
Elect Equip - Tactical Surv. (Tac Surv)										
61	Sentinel Mods			40,171				40,171	U	

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Line No	Item Nomenclature	Ident Code	FY 2017 PB Request Base		FY 2017 Mar Amended Request Base		FY 2017 Revised PB Request Base		S e c	
			Quantity	Cost	Quantity	Cost	Quantity	Cost		
62	Night Vision Devices	A		163,029		26,141		189,170	U	
63	Small Tactical Optical Rifle Mounted MLRF			15,885		2,958		18,843	U	
64	Base Expeditary Targeting and Surv Sys	A							U	
65	Indirect Fire Protection Family of Systems	A		48,427		39,670		88,097	U	
66	Family of Weapon Sights (FWS)	A		55,536				55,536	U	
67	Artillery Accuracy Equip			4,187				4,187	U	
68	Joint Battle Command - Platform (JBC-P)	A		137,501		90,072		227,573	U	
69	Joint Effects Targeting System (JETS)			50,726				50,726	U	
70	Mod of In-Svc Equip (LLDR)	A		28,058				28,058	U	
71	Computer Ballistics: LHMBC XM32	A		5,924				5,924	U	
72	Mortar Fire Control System			22,331				22,331	U	
73	Counterfire Radars			314,509				314,509	U	
Elect Equip - Tactical C2 Systems										
74	Fire Support C2 Family	A		8,660				8,660	U	
75	AIR & MSL Defense Planning & Control Sys			54,376		2,205		56,581	U	
76	IAMD Battle Command System	A		204,969				204,969	U	
77	Life Cycle Software Support (LCSS)			4,718				4,718	U	
78	Network Management Initialization and Service	A		11,063				11,063	U	
79	Maneuver Control System (MCS)	A		151,318				151,318	U	

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Line No	Item Nomenclature	Ident Code	FY 2017 PB Request OCO		FY 2017 Nov Amended Request OCO		FY 2017 Mar Amended Request OCO		FY 2017 Total OCO Request		S e c
			Quantity	Cost	Quantity	Cost	Quantity	Cost	Quantity	Cost	
62	Night Vision Devices	A									U
63	Small Tactical Optical Rifle Mounted MLRF										U
64	Base Expeditary Targeting and Surv Sys	A					82,590		82,590		U
65	Indirect Fire Protection Family of Systems	A		4,270		72,000		102,640		178,910	U
66	Family of Weapon Sights (FWS)	A									U
67	Artillery Accuracy Equip										U
68	Joint Battle Command - Platform (JBC-P)	A									U
69	Joint Effects Targeting System (JETS)										U
70	Mod of In-Svc Equip (LLDR)	A									U
71	Computer Ballistics: LHMBC XM32	A									U
72	Mortar Fire Control System			2,572						2,572	U
73	Counterfire Radars										U
Elect Equip - Tactical C2 Systems											
74	Fire Support C2 Family	A									U
75	AIR & MSL Defense Planning & Control Sys		31	69,958					31	69,958	U
76	IAMD Battle Command System	A									U
77	Life Cycle Software Support (LCSS)										U
78	Network Management Initialization and Service	A									U
79	Maneuver Control System (MCS)	A									U

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Line No	Item Nomenclature	Ident Code	FY 2017 Less Enacted Div.B,P.L. 114-254 OCO		FY 2017 Remaining PB Request OCO		S e c
			Quantity	Cost	Quantity	Cost	
62	Night Vision Devices	A					U
63	Small Tactical Optical Rifle Mounted MLRF						U
64	Base Expeditary Targeting and Surv Sys	A			82,590		U
65	Indirect Fire Protection Family of Systems	A		-72,000	106,910		U
66	Family of Weapon Sights (FWS)	A					U
67	Artillery Accuracy Equip						U
68	Joint Battle Command - Platform (JBC-P)	A					U
69	Joint Effects Targeting System (JETS)						U
70	Mod of In-Svc Equip (LLDR)	A					U
71	Computer Ballistics: LHMCB XM32	A					U
72	Mortar Fire Control System				2,572		U
73	Counterfire Radars						U
Elect Equip - Tactical C2 Systems							
74	Fire Support C2 Family	A					U
75	AIR & MSL Defense Planning & Control Sys				31	69,958	U
76	IAMD Battle Command System	A					U
77	Life Cycle Software Support (LCSS)						U
78	Network Management Initialization and Service	A					U
79	Maneuver Control System (MCS)	A					U

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Line No	Item Nomenclature	Ident Code	FY 2017 PB Request wNov Amend Less Enacted PL 114-254 Base+OCO		FY 2017 Mar Amended Request Base+OCO		FY 2017 PB Remaining Base+OCO		S e c	
			Quantity	Cost	Quantity	Cost	Quantity	Cost		
62	Night Vision Devices	A		163,029		26,141		189,170	U	
63	Small Tactical Optical Rifle Mounted MLRF			15,885		2,958		18,843	U	
64	Base Expeditary Targeting and Surv Sys	A				82,590		82,590	U	
65	Indirect Fire Protection Family of Systems	A		52,697		142,310		195,007	U	
66	Family of Weapon Sights (FWS)	A		55,536				55,536	U	
67	Artillery Accuracy Equip			4,187				4,187	U	
68	Joint Battle Command - Platform (JBC-P)	A		137,501		90,072		227,573	U	
69	Joint Effects Targeting System (JETS)			50,726				50,726	U	
70	Mod of In-Svc Equip (LLDR)	A		28,058				28,058	U	
71	Computer Ballistics: LHMCB XM32	A		5,924				5,924	U	
72	Mortar Fire Control System			24,903				24,903	U	
73	Counterfire Radars			314,509				314,509	U	
Elect Equip - Tactical C2 Systems										
74	Fire Support C2 Family	A		8,660				8,660	U	
75	AIR & MSL Defense Planning & Control Sys		31	124,334		2,205	31	126,539	U	
76	IAMD Battle Command System	A		204,969				204,969	U	
77	Life Cycle Software Support (LCSS)			4,718				4,718	U	
78	Network Management Initialization and Service	A		11,063				11,063	U	
79	Maneuver Control System (MCS)	A		151,318				151,318	U	

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Line No	Item Nomenclature	Ident Code	FY 2017 PB Request Base		FY 2017 Mar Amended Request Base		FY 2017 Revised PB Request Base		S e c
			Quantity	Cost	Quantity	Cost	Quantity	Cost	
80	Global Combat Support System-Army (GCSS-A)	A		155,660				155,660	U
81	Integrated Personnel and Pay System-Army (IPP)	A		4,214				4,214	U
82	Reconnaissance and Surveying Instrument Set	A		16,185				16,185	U
83	Mod of In-Svc Equipment (ENFIRE)	A		1,565				1,565	U
	Elect Equip - Automation								
84	Army Training Modernization			17,693				17,693	U
85	Automated Data Processing Equip			107,960		27,630		135,590	U
86	General Fund Enterprise Business Systems Fam	A		6,416				6,416	U
87	High Perf Computing Mod Pgm (HPCMP)	A		58,614				58,614	U
88	Contract Writing System	A		986				986	U
89	Reserve Component Automation Sys (RCAS)			23,828				23,828	U
	Elect Equip - Audio Visual Sys (A/V)								
90	Tactical Digital Media	A		1,191				1,191	U
91	Items Less Than \$5M (Surveying Equipment)			1,995				1,995	U
	Elect Equip - Support								
92	Production Base Support (C-E)			403				403	U
999	Classified Programs			4,436				4,436	U
Total Communications and Electronics Equipment				3,632,369		396,996		4,029,365	

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Line No	Item Nomenclature	Ident Code	FY 2017 PB Request OCO		FY 2017 Nov Amended Request OCO		FY 2017 Mar Amended Request OCO		FY 2017 Total OCO Request		S e c
			Quantity	Cost	Quantity	Cost	Quantity	Cost	Quantity	Cost	
80	Global Combat Support System-Army (GCSS-A)	A									U
81	Integrated Personnel and Pay System-Army (IPP)	A									U
82	Reconnaissance and Surveying Instrument Set	A									U
83	Mod of In-Svc Equipment (ENFIRE)	A									U
	Elect Equip - Automation										
84	Army Training Modernization										U
85	Automated Data Processing Equip			9,900					9,900		U
86	General Fund Enterprise Business Systems Fam	A									U
87	High Perf Computing Mod Pgm (HPCMP)	A									U
88	Contract Writing System	A									U
89	Reserve Component Automation Sys (RCAS)										U
	Elect Equip - Audio Visual Sys (A/V)										
90	Tactical Digital Media	A									U
91	Items Less Than \$5M (Surveying Equipment)			96					96		U
	Elect Equip - Support										
92	Production Base Support (C-E)										U
999	Classified Programs										U
	Total Communications and Electronics Equipment			254,988		98,500		268,811	622,299		

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 Exhibit P-1 March Budget Amendment to the FY 2017 President's Budget Request for BASE + Overseas Contingency Operations (OCO)  
 Total Obligational Authority (Dollars in Thousands) 13 Mar 2017

Appropriation: 2035A Other Procurement, Army

Line No	Item Nomenclature	Ident Code	FY 2017 Less Enacted Div.B,P.L. 114-254 OCO		FY 2017 Remaining PB Request OCO		S e c
			Quantity	Cost	Quantity	Cost	
80	Global Combat Support System-Army (GCSS-A)	A					U
81	Integrated Personnel and Pay System-Army (IPP)	A					U
82	Reconnaissance and Surveying Instrument Set	A					U
83	Mod of In-Svc Equipment (ENFIRE)	A					U
	Elect Equip - Automation						
84	Army Training Modernization						U
85	Automated Data Processing Equip				9,900		U
86	General Fund Enterprise Business Systems Fam	A					U
87	High Perf Computing Mod Pgm (HPCMP)	A					U
88	Contract Writing System	A					U
89	Reserve Component Automation Sys (RCAS)						U
	Elect Equip - Audio Visual Sys (A/V)						
90	Tactical Digital Media	A					U
91	Items Less Than \$5M (Surveying Equipment)					96	U
	Elect Equip - Support						
92	Production Base Support (C-E)						U
999	Classified Programs						U
	Total Communications and Electronics Equipment			-72,000	550,299		

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Appropriation: 2035A Other Procurement, Army

Line No	Item Nomenclature	Ident Code	FY 2017 PB Request wNov Amend Less Enacted PL 114-254 Base+OCO		FY 2017 Mar Amended Request Base+OCO		FY 2017 PB Remaining Base+OCO		S e c	
			Quantity	Cost	Quantity	Cost	Quantity	Cost		
80	Global Combat Support System-Army (GCSS-A)	A		155,660			155,660		U	
81	Integrated Personnel and Pay System-Army (IPP)	A		4,214			4,214		U	
82	Reconnaissance and Surveying Instrument Set	A		16,185			16,185		U	
83	Mod of In-Svc Equipment (ENFIRE)	A		1,565			1,565		U	
	Elect Equip - Automation									
84	Army Training Modernization			17,693			17,693		U	
85	Automated Data Processing Equip			117,860		27,630	145,490		U	
86	General Fund Enterprise Business Systems Fam	A		6,416			6,416		U	
87	High Perf Computing Mod Pgm (HPCMP)	A		58,614			58,614		U	
88	Contract Writing System	A		986			986		U	
89	Reserve Component Automation Sys (RCAS)			23,828			23,828		U	
	Elect Equip - Audio Visual Sys (A/V)									
90	Tactical Digital Media	A		1,191			1,191		U	
91	Items Less Than \$5M (Surveying Equipment)			2,091			2,091		U	
	Elect Equip - Support									
92	Production Base Support (C-E)			403			403		U	
999	Classified Programs			4,436			4,436		U	
Total Communications and Electronics Equipment				3,913,857		665,807	4,579,664			

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Appropriation: 2035A Other Procurement, Army

Line No	Item Nomenclature	Ident Code	FY 2017 PB Request Base		FY 2017 Mar Amended Request Base		FY 2017 Revised PB Request Base		S e c	
			Quantity	Cost	Quantity	Cost	Quantity	Cost		
<u>Budget Activity 03: Other Support Equipment</u>										
Chemical Defensive Equipment										
93	Protective Systems	A		2,966		10,500		13,466	U	
94	Family of Non-Lethal Equipment (FNLE)	A		9,795				9,795	U	
95	Base Defense Systems (BDS)	A							U	
96	CBRN Defense	A		17,922		25,000		42,922	U	
Bridging Equipment										
97	Tactical Bridging			13,553				13,553	U	
98	Tactical Bridge, Float-Ribbon			25,244				25,244	U	
99	Bridge Supplemental Set	A		983				983	U	
100	Common Bridge Transporter (CBT) Recap	A		25,176				25,176	U	
Engineer (Non-Construction) Equipment										
101	Grnd Standoff Mine Detectn Systm (GSTAMIDS)			39,350				39,350	U	
102	Area Mine Detection System (AMDS)	A		10,500				10,500	U	
103	Husky Mounted Detection System (HMDS)	A		274				274	U	
104	Robotic Combat Support System (RCSS)			2,951				2,951	U	
105	EOD Robotics Systems Recapitalization	A		1,949				1,949	U	
106	Robotics and Applique Systems			5,203				5,203	U	
107	Explosive Ordnance Disposal Eqpmt (EOD EQPMT)			5,570				5,570	U	

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Appropriation: 2035A Other Procurement, Army

Line No	Item Nomenclature	Ident Code	FY 2017 PB Request OCO		FY 2017 Nov Amended Request OCO		FY 2017 Mar Amended Request OCO		FY 2017 Total OCO Request		S e c
			Quantity	Cost	Quantity	Cost	Quantity	Cost	Quantity	Cost	
Budget Activity 03: Other Support Equipment											
Chemical Defensive Equipment											
93	Protective Systems	A									U
94	Family of Non-Lethal Equipment (FNLE)	A									U
95	Base Defense Systems (BDS)	A					26,572		26,572		U
96	CBRN Defense	A		1,841			2,980		4,821		U
Bridging Equipment											
97	Tactical Bridging			26,000					26,000		U
98	Tactical Bridge, Float-Ribbon										U
99	Bridge Supplemental Set	A									U
100	Common Bridge Transporter (CBT) Recap	A									U
Engineer (Non-Construction) Equipment											
101	Grnd Standoff Mine Detectn Sysm (GSTAMIDS)										U
102	Area Mine Detection System (AMDS)	A									U
103	Husky Mounted Detection System (HMDS)	A									U
104	Robotic Combat Support System (RCSS)										U
105	EOD Robotics Systems Recapitalization	A									U
106	Robotics and Applique Systems			268					268		U
107	Explosive Ordnance Disposal Eqpmt (EOD EQPMT)										U

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Appropriation: 2035A Other Procurement, Army

Line No	Item Nomenclature	Ident Code	FY 2017 Less Enacted Div.B,P.L. 114-254 OCO		FY 2017 Remaining PB Request OCO		S e c -
			Quantity	Cost	Quantity	Cost	
<u>Budget Activity 03: Other Support Equipment</u>							
Chemical Defensive Equipment							
93	Protective Systems	A					U
94	Family of Non-Lethal Equipment (FNLE)	A					U
95	Base Defense Systems (BDS)	A			26,572		U
96	CBRN Defense	A			4,821		U
Bridging Equipment							
97	Tactical Bridging				26,000		U
98	Tactical Bridge, Float-Ribbon						U
99	Bridge Supplemental Set	A					U
100	Common Bridge Transporter (CBT) Recap Engineer (Non-Construction) Equipment	A					U
101	Grnd Standoff Mine Detectn Sysm (GSTAMIDS)						U
102	Area Mine Detection System (AMDS)	A					U
103	Husky Mounted Detection System (HMDS)	A					U
104	Robotic Combat Support System (RCSS)						U
105	EOD Robotics Systems Recapitalization	A					U
106	Robotics and Applique Systems				268		U
107	Explosive Ordnance Disposal Eqpmt (EOD EQPMT)						U

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 (Dollars in Thousands)

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Line No	Item Nomenclature	Ident Code	FY 2017 PB Request wNov Amend Less Enacted PL 114-254 Base+OCO		FY 2017 Mar Amended Request Base+OCO		FY 2017 PB Remaining Base+OCO		S e c	
			Quantity	Cost	Quantity	Cost	Quantity	Cost		
Budget Activity 03: Other Support Equipment										
Chemical Defensive Equipment										
93	Protective Systems	A		2,966		10,500		13,466	U	
94	Family of Non-Lethal Equipment (FNLE)	A		9,795				9,795	U	
95	Base Defense Systems (BDS)	A				26,572		26,572	U	
96	CBRN Defense	A		19,763		27,980		47,743	U	
Bridging Equipment										
97	Tactical Bridging			39,553				39,553	U	
98	Tactical Bridge, Float-Ribbon			25,244				25,244	U	
99	Bridge Supplemental Set	A		983				983	U	
100	Common Bridge Transporter (CBT) Recap	A		25,176				25,176	U	
Engineer (Non-Construction) Equipment										
101	Grnd Standoff Mine Detectn Sysm (GSTAMIDS)			39,350				39,350	U	
102	Area Mine Detection System (AMDS)	A		10,500				10,500	U	
103	Husky Mounted Detection System (HMDS)	A		274				274	U	
104	Robotic Combat Support System (RCSS)			2,951				2,951	U	
105	EOD Robotics Systems Recapitalization	A		1,949				1,949	U	
106	Robotics and Applique Systems			5,471				5,471	U	
107	Explosive Ordnance Disposal Eqpmt (EOD EQPMT)			5,570				5,570	U	

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Line No	Item Nomenclature	Ident Code	FY 2017 PB Request Base		FY 2017 Mar Amended Request Base		FY 2017 Revised PB Request Base		S e c
			Quantity	Cost	Quantity	Cost	Quantity	Cost	
108	Remote Demolition Systems	A		6,238			6,238		U
109	< \$5m, Countermine Equipment	A		836			836		U
110	Family of Boats and Motors	A		3,171			3,171		U
	Combat Service Support Equipment								
111	Heaters and ECU'S	A		18,707			18,707		U
112	Soldier Enhancement			2,112			2,112		U
113	Personnel Recovery Support System (PRSS)	A		10,856			10,856		U
114	Ground Soldier System	A		32,419			32,419		U
115	Mobile Soldier Power	A		30,014			30,014		U
116	Force Provider	A							U
117	Field Feeding Equipment			12,544			12,544		U
118	Cargo Aerial Del & Personnel Parachute System			18,509			18,509		U
119	Family of Engr Combat and Construction Sets	A		29,384			29,384		U
120	Items Less Than \$5M (Eng Spt)	A							U
	Petroleum Equipment								
121	Quality Surveillance Equipment	A		4,487			4,487		U
122	Distribution Systems, Petroleum & Water			42,656			42,656		U
	Medical Equipment								
123	Combat Support Medical			59,761			59,761		U

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Appropriation: 2035A Other Procurement, Army

Line No	Item Nomenclature	Ident Code	FY 2017 PB Request OCO		FY 2017 Nov Amended Request OCO		FY 2017 Mar Amended Request OCO		FY 2017 Total OCO Request		S e c
			Quantity	Cost	Quantity	Cost	Quantity	Cost	Quantity	Cost	
108	Remote Demolition Systems	A									U
109	< \$5m, Countermine Equipment	A									U
110	Family of Boats and Motors	A		280						280	U
	Combat Service Support Equipment										
111	Heaters and ECU'S	A		894						894	U
112	Soldier Enhancement										U
113	Personnel Recovery Support System (PRSS)	A									U
114	Ground Soldier System	A									U
115	Mobile Soldier Power	A									U
116	Force Provider	A		53,800						53,800	U
117	Field Feeding Equipment			2,665						2,665	U
118	Cargo Aerial Del & Personnel Parachute System			2,400						2,400	U
119	Family of Engr Combat and Construction Sets	A		9,789						9,789	U
120	Items Less Than \$5M (Eng Spt)	A		300						300	U
	Petroleum Equipment										
121	Quality Surveillance Equipment	A		4,800						4,800	U
122	Distribution Systems, Petroleum & Water		174	78,240					174	78,240	U
	Medical Equipment										
123	Combat Support Medical			5,763						5,763	U

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Appropriation: 2035A Other Procurement, Army

Line No	Item Nomenclature	Ident Code	FY 2017 Less Enacted Div.B,P.L. 114-254 OCO		FY 2017 Remaining PB Request OCO		S e c
			Quantity	Cost	Quantity	Cost	
108	Remote Demolition Systems	A					U
109	< \$5m, Countermining Equipment	A					U
110	Family of Boats and Motors Combat Service Support Equipment	A			280		U
111	Heaters and ECU'S	A			894		U
112	Soldier Enhancement						U
113	Personnel Recovery Support System (PRSS)	A					U
114	Ground Soldier System	A					U
115	Mobile Soldier Power	A					U
116	Force Provider	A			53,800		U
117	Field Feeding Equipment				2,665		U
118	Cargo Aerial Del & Personnel Parachute System				2,400		U
119	Family of Engr Combat and Construction Sets	A			9,789		U
120	Items Less Than \$5M (Eng Spt) Petroleum Equipment	A			300		U
121	Quality Surveillance Equipment	A			4,800		U
122	Distribution Systems, Petroleum & Water Medical Equipment				174	78,240	U
123	Combat Support Medical					5,763	U

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 Total Obligational Authority  
 (Dollars in Thousands)

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Line No	Item Nomenclature	Ident Code	FY 2017 PB Request wNov Amend Less Enacted PL 114-254 Base+OCO		FY 2017 Mar Amended Request Base+OCO		FY 2017 PB Remaining Base+OCO		S e c	
			Quantity	Cost	Quantity	Cost	Quantity	Cost		
108	Remote Demolition Systems	A		6,238			6,238		U	
109	< \$5m, Countermine Equipment	A		836			836		U	
110	Family of Boats and Motors	A		3,451			3,451		U	
	Combat Service Support Equipment									
111	Heaters and ECU'S	A		19,601			19,601		U	
112	Soldier Enhancement			2,112			2,112		U	
113	Personnel Recovery Support System (PRSS)	A		10,856			10,856		U	
114	Ground Soldier System	A		32,419			32,419		U	
115	Mobile Soldier Power	A		30,014			30,014		U	
116	Force Provider	A		53,800			53,800		U	
117	Field Feeding Equipment			15,209			15,209		U	
118	Cargo Aerial Del & Personnel Parachute System			20,909			20,909		U	
119	Family of Engr Combat and Construction Sets	A		39,173			39,173		U	
120	Items Less Than \$5M (Eng Spt)	A		300			300		U	
	Petroleum Equipment									
121	Quality Surveillance Equipment	A		9,287			9,287		U	
122	Distribution Systems, Petroleum & Water		174	120,896			174	120,896	U	
	Medical Equipment									
123	Combat Support Medical			65,524			65,524		U	

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Line No	Item Nomenclature	Ident Code	FY 2017 PB Request Base		FY 2017 Mar Amended Request Base		FY 2017 Revised PB Request Base		S e c	
			Quantity	Cost	Quantity	Cost	Quantity	Cost		
Maintenance Equipment										
124	Mobile Maintenance Equipment Systems	A		35,694				35,694	U	
125	Items Less Than \$5.0M (Maint Eq)	A		2,716				2,716	U	
Construction Equipment										
126	Grader, Road Mtzd, Hvy, 6x4 (CCE)	A		1,742				1,742	U	
127	Scrapers, Earthmoving	A		26,233				26,233	U	
128	Hydraulic Excavator	B		1,123				1,123	U	
129	Tractor, Full Tracked	A							U	
130	All Terrain Cranes	A		65,285				65,285	U	
131	High Mobility Engineer Excavator (HMEE)	A		1,743				1,743	U	
132	Enhanced Rapid Airfield Construction Capap	B		2,779				2,779	U	
133	Const Equip Esp			26,712				26,712	U	
134	Items Less Than \$5.0M (Const Equip)	A		6,649				6,649	U	
Rail Float Containerization Equipment										
135	Army Watercraft Esp	A		21,860				21,860	U	
136	Items Less Than \$5.0M (Float/Rail)	A		1,967				1,967	U	
Generators										
137	Generators and Associated Equip	A		113,266				113,266	U	
138	Tactical Electric Power Recapitalization	A		7,867				7,867	U	

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Line No	Item Nomenclature	Ident Code	FY 2017 PB Request OCO		FY 2017 Nov Amended Request OCO		FY 2017 Mar Amended Request OCO		FY 2017 Total OCO Request		S e c
			Quantity	Cost	Quantity	Cost	Quantity	Cost	Quantity	Cost	
Maintenance Equipment											
124	Mobile Maintenance Equipment Systems	A		1,609						1,609	U
125	Items Less Than \$5.0M (Maint Eq)	A		145						145	U
Construction Equipment											
126	Grader, Road Mtzd, Hvy, 6x4 (CCE)	A		3,047						3,047	U
127	Scrapers, Earthmoving	A									U
128	Hydraulic Excavator	B									U
129	Tractor, Full Tracked	A		4,426						4,426	U
130	All Terrain Cranes	A									U
131	High Mobility Engineer Excavator (HMEE)	A		2,900						2,900	U
132	Enhanced Rapid Airfield Construction Capap	B									U
133	Const Equip Esp										U
134	Items Less Than \$5.0M (Const Equip)	A		96						96	U
Rail Float Containerization Equipment											
135	Army Watercraft Esp	A									U
136	Items Less Than \$5.0M (Float/Rail)	A									U
Generators											
137	Generators and Associated Equip	A		31,761						31,761	U
138	Tactical Electric Power Recapitalization	A									U

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Appropriation: 2035A Other Procurement, Army

Line No	Item Nomenclature	Ident Code	FY 2017 Less Enacted Div.B,P.L. 114-254 OCO		FY 2017 Remaining PB Request OCO		S e c
			Quantity	Cost	Quantity	Cost	
Maintenance Equipment							
124	Mobile Maintenance Equipment Systems	A			1,609		U
125	Items Less Than \$5.0M (Maint Eq)	A			145		U
Construction Equipment							
126	Grader, Road Mtzd, Hvy, 6x4 (CCE)	A			3,047		U
127	Scrapers, Earthmoving	A					U
128	Hydraulic Excavator	B					U
129	Tractor, Full Tracked	A			4,426		U
130	All Terrain Cranes	A					U
131	High Mobility Engineer Excavator (HMEE)	A			2,900		U
132	Enhanced Rapid Airfield Construction Capap	B					U
133	Const Equip Esp						U
134	Items Less Than \$5.0M (Const Equip)	A			96		U
Rail Float Containerization Equipment							
135	Army Watercraft Esp	A					U
136	Items Less Than \$5.0M (Float/Rail)	A					U
Generators							
137	Generators and Associated Equip	A			31,761		U
138	Tactical Electric Power Recapitalization	A					U

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Line No	Item Nomenclature	Ident Code	FY 2017 PB Request wNov Amend Less Enacted PL 114-254 Base+OCO		FY 2017 Mar Amended Request Base+OCO		FY 2017 PB Remaining Base+OCO		S e c
			Quantity	Cost	Quantity	Cost	Quantity	Cost	
Maintenance Equipment									
124	Mobile Maintenance Equipment Systems	A		37,303				37,303	U
125	Items Less Than \$5.0M (Maint Eq)	A		2,861				2,861	U
Construction Equipment									
126	Grader, Road Mtzd, Hvy, 6x4 (CCE)	A		4,789				4,789	U
127	Scrapers, Earthmoving	A		26,233				26,233	U
128	Hydraulic Excavator	B		1,123				1,123	U
129	Tractor, Full Tracked	A		4,426				4,426	U
130	All Terrain Cranes	A		65,285				65,285	U
131	High Mobility Engineer Excavator (HMEE)	A		4,643				4,643	U
132	Enhanced Rapid Airfield Construction Capap	B		2,779				2,779	U
133	Const Equip Esp			26,712				26,712	U
134	Items Less Than \$5.0M (Const Equip)	A		6,745				6,745	U
Rail Float Containerization Equipment									
135	Army Watercraft Esp	A		21,860				21,860	U
136	Items Less Than \$5.0M (Float/Rail)	A		1,967				1,967	U
Generators									
137	Generators and Associated Equip	A		145,027				145,027	U
138	Tactical Electric Power Recapitalization	A		7,867				7,867	U

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Department of the Army

March Budget Amendment to the FY 2017 President's Budget Request for BASE + Overseas Contingency Operations (OCO)  
 Exhibit P-1 March Budget Amendment to the FY 2017 President's Budget Request for BASE + Overseas Contingency Operations (OCO)  
 Total Obligational Authority  
 (Dollars in Thousands)

13 Mar 2017

Appropriation: 2035A Other Procurement, Army

Line No	Item Nomenclature	Ident Code	FY 2017 PB Request Base		FY 2017 Mar Amended Request Base		FY 2017 Revised PB Request Base		S e c
			Quantity	Cost	Quantity	Cost	Quantity	Cost	
Material Handling Equipment									
139	Family of Forklifts	A		2,307				2,307	U
Training Equipment									
140	Combat Training Centers Support			75,359		5,349		80,708	U
141	Training Devices, Nonsystem			253,050				253,050	U
142	Close Combat Tactical Trainer	A		48,271		11,500		59,771	U
143	Aviation Combined Arms Tactical Trainer			40,000				40,000	U
144	Gaming Technology In Support of Army Training			11,543				11,543	U
Test Measure and Dig Equipment (TMD)									
145	Calibration Sets Equipment			4,963				4,963	U
146	Integrated Family of Test Equipment (IFTE)			29,781				29,781	U
147	Test Equipment Modernization (TEMOD)			6,342				6,342	U
Other Support Equipment									
148	M25 Stabilized Binocular	A		3,149				3,149	U
149	Rapid Equipping Soldier Support Equipment	A		18,003				18,003	U
150	Physical Security Systems (OPA3)	A		44,082				44,082	U
151	Base Level Common Equipment			2,168				2,168	U
152	Modification of In-Svc Equipment (OPA-3)			67,367				67,367	U
153	Production Base Support (OTH)			1,528				1,528	U

P-1AMF: Budget Amendment to the FY 2017 President's Budget Request (Published Version), as of March 13, 2017 at 11:19:15

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Department of the Army  
 March Budget Amendment to the FY 2017 President's Budget Request for BASE + Overseas Contingency Operations (OCO)  
 Exhibit P-1 March Budget Amendment to the FY 2017 President's Budget Request for BASE + Overseas Contingency Operations (OCO)  
 Total Obligational Authority  
 (Dollars in Thousands) 13 Mar 2017

Appropriation: 2035A Other Procurement, Army

Line No	Item Nomenclature	Ident Code	FY 2017 PB Request OCO		FY 2017 Nov Amended Request OCO		FY 2017 Mar Amended Request OCO		FY 2017 Total OCO Request		S e c
			Quantity	Cost	Quantity	Cost	Quantity	Cost	Quantity	Cost	
	Material Handling Equipment										
139	Family of Forklifts	A		846					846		U
	Training Equipment										
140	Combat Training Centers Support										U
141	Training Devices, Nonsystem										U
142	Close Combat Tactical Trainer	A									U
143	Aviation Combined Arms Tactical Trainer										U
144	Gaming Technology In Support of Army Training										U
	Test Measure and Dig Equipment (TMD)										
145	Calibration Sets Equipment										U
146	Integrated Family of Test Equipment (IFTE)										U
147	Test Equipment Modernization (TEMOD)			1,140					1,140		U
	Other Support Equipment										
148	M25 Stabilized Binocular	A									U
149	Rapid Equipping Soldier Support Equipment	A		8,500					8,500		U
150	Physical Security Systems (OPA3)	A									U
151	Base Level Common Equipment										U
152	Modification of In-Svc Equipment (OPA-3)										U
153	Production Base Support (OTH)										U

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## Department of the Army

March Budget Amendment to the FY 2017 President's Budget Request for BASE + Overseas Contingency Operations (OCO)  
 Exhibit P-1 March Budget Amendment to the FY 2017 President's Budget Request for BASE + Overseas Contingency Operations (OCO)  
 Total Obligational Authority  
 (Dollars in Thousands)

13 Mar 2017

Appropriation: 2035A Other Procurement, Army

Line No	Item Nomenclature	Ident Code	FY 2017 Less Enacted Div.B,P.L. 114-254 OCO		FY 2017 Remaining PB Request OCO		S e c
			Quantity	Cost	Quantity	Cost	
	Material Handling Equipment						
139	Family of Forklifts	A			846		U
	Training Equipment						
140	Combat Training Centers Support						U
141	Training Devices, Nonsystem						U
142	Close Combat Tactical Trainer	A					U
143	Aviation Combined Arms Tactical Trainer						U
144	Gaming Technology In Support of Army Training						U
	Test Measure and Dig Equipment (TMD)						
145	Calibration Sets Equipment						U
146	Integrated Family of Test Equipment (IFTE)						U
147	Test Equipment Modernization (TEMOD)				1,140		U
	Other Support Equipment						
148	M25 Stabilized Binocular	A					U
149	Rapid Equipping Soldier Support Equipment	A			8,500		U
150	Physical Security Systems (OPA3)	A					U
151	Base Level Common Equipment						U
152	Modification of In-Svc Equipment (OPA-3)						U
153	Production Base Support (OTH)						U

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Department of the Army  
 March Budget Amendment to the FY 2017 President's Budget Request for BASE + Overseas Contingency Operations (OCO)  
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 Total Obligational Authority  
 (Dollars in Thousands)

13 Mar 2017

Appropriation: 2035A Other Procurement, Army

Line No	Item Nomenclature	Ident Code	FY 2017 PB Request wNov Amend Less Enacted PL 114-254 Base+OCO		FY 2017 Mar Amended Request Base+OCO		FY 2017 PB Remaining Base+OCO		S e c
			Quantity	Cost	Quantity	Cost	Quantity	Cost	
Material Handling Equipment									
139	Family of Forklifts	A		3,153			3,153		U
Training Equipment									
140	Combat Training Centers Support			75,359		5,349	80,708		U
141	Training Devices, Nonsystem			253,050			253,050		U
142	Close Combat Tactical Trainer	A		48,271		11,500	59,771		U
143	Aviation Combined Arms Tactical Trainer			40,000			40,000		U
144	Gaming Technology In Support of Army Training			11,543			11,543		U
Test Measure and Dig Equipment (TMD)									
145	Calibration Sets Equipment			4,963			4,963		U
146	Integrated Family of Test Equipment (IFTE)			29,781			29,781		U
147	Test Equipment Modernization (TEMOD)			7,482			7,482		U
Other Support Equipment									
148	M25 Stabilized Binocular	A		3,149			3,149		U
149	Rapid Equipping Soldier Support Equipment	A		26,503			26,503		U
150	Physical Security Systems (OPA3)	A		44,082			44,082		U
151	Base Level Common Equipment			2,168			2,168		U
152	Modification of In-Svc Equipment (OPA-3)			67,367			67,367		U
153	Production Base Support (OTH)			1,528			1,528		U

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Department of the Army

March Budget Amendment to the FY 2017 President's Budget Request for BASE + Overseas Contingency Operations (OCO)  
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 Total Obligational Authority (Dollars in Thousands) 13 Mar 2017

Appropriation: 2035A Other Procurement, Army

Line No	Item Nomenclature	Ident Code	FY 2017 PB Request Base		FY 2017 Mar Amended Request Base		FY 2017 Revised PB Request Base		S e c
			Quantity	Cost	Quantity	Cost	Quantity	Cost	
154	Special Equipment for User Testing			8,289				8,289	U
155	Tractor Yard			6,888				6,888	U
Total Other Support Equipment				1,371,856		52,349		1,424,205	
Budget Activity 04: Spare and Repair Parts									
OPA2									
156	Initial Spares - C&E			27,243				27,243	U
Total Spare and Repair Parts				27,243				27,243	
Total Other Procurement, Army				5,873,949		449,345		6,323,294	

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Department of the Army  
 March Budget Amendment to the FY 2017 President's Budget Request for BASE + Overseas Contingency Operations (OCO)  
 Exhibit P-1 March Budget Amendment to the FY 2017 President's Budget Request for BASE + Overseas Contingency Operations (OCO)  
 Total Obligational Authority  
 (Dollars in Thousands)

13 Mar 2017

Appropriation: 2035A Other Procurement, Army

Line No	Item Nomenclature	Ident Code	FY 2017 PB Request OCO		FY 2017 Nov Amended Request OCO		FY 2017 Mar Amended Request OCO		FY 2017 Total OCO Request		S e c
			Quantity	Cost	Quantity	Cost	Quantity	Cost	Quantity	Cost	
154	Special Equipment for User Testing										U
155	Tractor Yard										U
	Total Other Support Equipment			241,510				29,552		271,062	
Budget Activity 04: Spare and Repair Parts											
-----											
OPA2											
156	Initial Spares - C&E										U
	Total Spare and Repair Parts										
	Total Other Procurement, Army			1,373,010		98,500		298,363		1,769,873	

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Department of the Army

March Budget Amendment to the FY 2017 President's Budget Request for BASE + Overseas Contingency Operations (OCO)  
 Exhibit P-1 March Budget Amendment to the FY 2017 President's Budget Request for BASE + Overseas Contingency Operations (OCO)  
 Total Obligational Authority  
 (Dollars in Thousands) 13 Mar 2017

Appropriation: 2035A Other Procurement, Army

Line No	Item Nomenclature	Ident Code	FY 2017 Less Enacted Div.B,P.L. 114-254 OCO		FY 2017 Remaining PB Request OCO		S e c
			Quantity	Cost	Quantity	Cost	
154	Special Equipment for User Testing						U
155	Tractor Yard						U
	Total Other Support Equipment				271,062		
Budget Activity 04: Spare and Repair Parts							
OPA2							
156	Initial Spares - C&E						U
	Total Spare and Repair Parts						
	Total Other Procurement, Army			-72,000	1,697,873		



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Department of the Army  
 March Budget Amendment to the FY 2017 President's Budget Request for BASE + Overseas Contingency Operations (OCO)  
 Exhibit P-1 March Budget Amendment to the FY 2017 President's Budget Request for BASE + Overseas Contingency Operations (OCO)  
 Total Obligational Authority  
 (Dollars in Thousands) 13 Mar 2017

Appropriation: 2035A Other Procurement, Army

Line No	Item Nomenclature	Ident Code	FY 2017 PB Request wNov Amend Less Enacted PL 114-254 Base+OCO		FY 2017 Mar Amended Request Base+OCO		FY 2017 PB Remaining Base+OCO		S e c	
			Quantity	Cost	Quantity	Cost	Quantity	Cost		
154	Special Equipment for User Testing			8,289			8,289		U	
155	Tractor Yard			6,888			6,888		U	
Total Other Support Equipment				1,613,366		81,901	1,695,267			
Budget Activity 04: Spare and Repair Parts										
-----										
OPA2										
156	Initial Spares - C&E			27,243			27,243		U	
Total Spare and Repair Parts				27,243			27,243			
Total Other Procurement, Army				7,273,459		747,708	8,021,167			

**UNCLASSIFIED**

**Exhibit P-40, Budget Line Item Justification:** Request for Additional Appropriations 2017 Army **Date:** March 2017

<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 2035A: Other Procurement, Army / BA 02: Communications and Electronics Equipment / BSA 36: Comm - Intelligence Comm	<b>P-1 Line Item Number / Title:</b> BK5284 / CI Automation Architecture
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<b>ID Code</b> (A=Service Ready, B=Not Service Ready):	<b>Program Elements for Code B Items:</b> N/A	<b>Other Related Program Elements:</b> N/A
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**Line Item MDAP/MAIS Code:** N/A

Resource Summary	Prior Years	FY 2015	FY 2016	FY 2017 Base	FY 2017 OCO	FY 2017 Total	FY 2018	FY 2019	FY 2020	FY 2021	To Complete	Total
Procurement Quantity ( <i>Units in Each</i> )	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Cost ( <i>\$ in Millions</i> )	68.429	3.371	1.349	1.388	10.050	11.438	1.407	1.427	1.441	1.459	Continuing	Continuing
Less PY Advance Procurement ( <i>\$ in Millions</i> )	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P-1) ( <i>\$ in Millions</i> )	68.429	3.371	1.349	1.388	10.050	11.438	1.407	1.427	1.441	1.459	Continuing	Continuing
Plus CY Advance Procurement ( <i>\$ in Millions</i> )	-	-	-	-	-	-	-	-	-	-	-	-
<b>Total Obligation Authority (<i>\$ in Millions</i>)</b>	<b>68.429</b>	<b>3.371</b>	<b>1.349</b>	<b>1.388</b>	<b>10.050</b>	<b>11.438</b>	<b>1.407</b>	<b>1.427</b>	<b>1.441</b>	<b>1.459</b>	<b>Continuing</b>	<b>Continuing</b>

*(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 the Army, as a member of the DoD counterintelligence (CI) community with advanced CI operational equipment to enhance Army's ability to contour the global threat through significant improvements in information sharing, common situational awareness, and knowledge management in a joint operational environment.

Secondary Distribution	FY 2015	FY 2016	FY 2017 Base	FY 2017 OCO	FY 2017 Total	FY 2018	FY 2019	FY 2020	FY 2021
Army	Quantity	-	-	-	-	-	-	-	-
	Total Obligation Authority	3.371	1.349	1.388	10.050	11.438	1.407	1.427	1.441
<b>Total:</b> Secondary Distribution	Quantity	-	-	-	-	-	-	-	-
	<b>Total Obligation Authority</b>	<b>3.371</b>	<b>1.349</b>	<b>1.388</b>	<b>10.050</b>	<b>11.438</b>	<b>1.407</b>	<b>1.427</b>	<b>1.441</b>

**Justification:**

FY 2017 Base funding in the amount of \$1.388 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.

FY 2017 OCO funding in the amount of \$1.550 million supports the Deployable Counterintelligence and Human Intelligence Portal (DCHIP), Tactical Counterintelligence Operations Portal (TCOP), and web-based CI and HUMINT tools used at the tactical and operational echelons in the ARCENT AOR. Funds provide mission critical hardware, including Deployable Counterintelligence and HUMINT communications and threat equipment including non-MTOE automation equipment that is required by deployed CI and HUMINT soldiers.

Amendment Justification: This FY 2017 OCO increase of \$8.500 million supports classified efforts. Details will be provided under separate cover upon request.

**UNCLASSIFIED**

**Exhibit P-40, Budget Line Item Justification:** Request for Additional Appropriations 2017 Army **Date:** March 2017

<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 2035A: Other Procurement, Army / BA 02: Communications and Electronics Equipment / BSA 64: Information Security	<b>P-1 Line Item Number / Title:</b> B63000 / Defensive CYBER Operations
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<b>ID Code</b> (A=Service Ready, B=Not Service Ready):	<b>Program Elements for Code B Items:</b> N/A	<b>Other Related Program Elements:</b> 0605041A
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**Line Item MDAP/MAIS Code:** N/A

Resource Summary	Prior Years	FY 2015	FY 2016	FY 2017 Base	FY 2017 OCO	FY 2017 Total	FY 2018	FY 2019	FY 2020	FY 2021	To Complete	Total
Procurement Quantity ( <i>Units in Each</i> )	-	-	-	5	-	5	5	15	15	15	Continuing	Continuing
Gross/Weapon System Cost ( <i>\$ in Millions</i> )	-	-	-	27.132	26.500	53.632	25.836	37.203	44.898	48.995	Continuing	Continuing
Less PY Advance Procurement ( <i>\$ in Millions</i> )	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P-1) ( <i>\$ in Millions</i> )	-	-	-	27.132	26.500	53.632	25.836	37.203	44.898	48.995	Continuing	Continuing
Plus CY Advance Procurement ( <i>\$ in Millions</i> )	-	-	-	-	-	-	-	-	-	-	-	-
<b>Total Obligation Authority (<i>\$ in Millions</i>)</b>	-	-	-	<b>27.132</b>	<b>26.500</b>	<b>53.632</b>	<b>25.836</b>	<b>37.203</b>	<b>44.898</b>	<b>48.995</b>	<b>Continuing</b>	<b>Continuing</b>

*(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> )	-	-	-	5,426.400	-	10,726.400	5,167.200	2,480.200	2,993.200	3,266.333	Continuing	Continuing

**Description:**

This budget line is a continuation of CYBER efforts that started in the Information System Security Program, TA0600.

This budget line does not procure weapons systems or produce end items for weapons systems. All IT procurements consist of COTS solutions; all quantities and unit costs vary by system configuration and site.

The Army's Defensive Cyberspace Operations (DCO) activities are a construct of active cyberspace defenses which provide synchronized, real-time capability to discover, detect, analyze, and mitigate threats and vulnerabilities to DoD networks and systems. They provide initial capabilities that enable passive and active cyberspace defense operations to preserve friendly cyberspace capabilities and protect data, networks, net-centric capabilities, and other designated systems. DCO consists of the following critical capabilities:

- DCO-Infrastructure (DCO-I) Tactical and Enterprise (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 (software baseline to secure key cyber terrain and protect DoD websites)
- Big Data Analytics (leverage Defense Information System Agency (DISA) Acropolis analytics)

Defensive Cyber teams design, build, and test advanced Cyber tools and infrastructure that enables active defense of the network from tactical Command Posts up through Post Camp and Station Home Station Mission Command. This capability will enable integration of the Cyber Mission Force with Regional and Local Cyber Network Defense elements. These tools will provide cutting edge hardware and software, integrated with existing infrastructure and tools to facilitate Active Defensive Cyber operations. 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.

Secondary Distribution	FY 2015	FY 2016	FY 2017 Base	FY 2017 OCO	FY 2017 Total	FY 2018	FY 2019	FY 2020	FY 2021
Army									
Quantity	-	-	5	-	5	5	15	15	15
Total Obligation Authority	-	-	27.132	26.500	53.632	25.836	37.203	44.898	48.995

**UNCLASSIFIED**

**Exhibit P-40, Budget Line Item Justification:** Request for Additional Appropriations 2017 Army **Date:** March 2017

<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 2035A: Other Procurement, Army / BA 02: Communications and Electronics Equipment / BSA 64: Information Security	<b>P-1 Line Item Number / Title:</b> B63000 / Defensive CYBER Operations
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<b>ID Code</b> (A=Service Ready, B=Not Service Ready):	<b>Program Elements for Code B Items:</b> N/A	<b>Other Related Program Elements:</b> 0605041A
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**Line Item MDAP/MAIS Code:** N/A

Secondary Distribution		FY 2015	FY 2016	FY 2017 Base	FY 2017 OCO	FY 2017 Total	FY 2018	FY 2019	FY 2020	FY 2021
<b>Total:</b>	<b>Quantity</b>	-	-	5	-	5	5	15	15	15
<b>Secondary Distribution</b>	<b>Total Obligation Authority</b>	-	-	27.132	26.500	53.632	25.836	37.203	44.898	48.995

**Justification:**  
 FY 2017 DCO Enterprise Infrastructure Base procurement dollars in the amount of \$15.132 million supports the procurement of equipment, engineering, integration, configuration management, testing, training, accreditation, and fielding of defensive cyberspace infrastructure and capabilities as outlined in the US Army Training and Doctrine Command (TRADOC) Information Systems Capability Development Document (IS CDD) for DCO; US Army Cyber Command (ARCYBER) Operational Needs Statement (ONS) 14-19545 for DCO-I dated 6 Jan 14; ONS 14-20079 for CPT Support; ONS 14-19420 for Web Scanning dated 29 Oct 13; and ONS 14-19419 for Big Data Analytics dated 29 Oct 13.

FY17 OCO Amendment funding in the amount of \$26.5 million supports JUONS ST-007. Details are classified. Effort is executing \$20.98 million OMA OCO via Rapid Acquisition Authority properly identified under this program line.

TOTAL CYBER JUONS FY17 OCO Amendment is \$87.0 million, arrayed into three lines of effort: this line, RDTE BLIN 119 Defense Cyber Operations 0605041A, and RDTE BLIN 114 Tractor Tire 06005032A. Total Rapid Acquisition Authority (RAA) being executed against this effort in OPA/RDTE lines is \$37.96 million. An additional \$.5 million is for OMA requirements, for a total RAA effort of \$38.46 million. RAA was sourced with OMA OCO.

Amendment Justification: This increase provides an additional \$12.000 million to procure cyber tools for a host of analysis, visualization and response requirements above the PB 2017, Rapid Acquisition Authority (RAA) and FY 2017 OCO Amendment Requests.

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-40, Budget Line Item Justification:** Request for Additional Appropriations 2017 Army **Date:** March 2017

<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 2035A: Other Procurement, Army / BA 02: Communications and Electronics Equipment / BSA 73: Comm - Base Communications	<b>P-1 Line Item Number / Title:</b> BU0500 / Installation Info Infrastructure Mod Program
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<b>ID Code</b> (A=Service Ready, B=Not Service Ready):	<b>Program Elements for Code B Items:</b> N/A	<b>Other Related Program Elements:</b> N/A
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**Line Item MDAP/MAIS Code:** N/A

Resource Summary	Prior Years	FY 2015	FY 2016	FY 2017 Base	FY 2017 OCO	FY 2017 Total	FY 2018	FY 2019	FY 2020	FY 2021	To Complete	Total
Procurement Quantity ( <i>Units in Each</i> )	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Cost ( <i>\$ in Millions</i> )	3,518.564	151.265	102.996	326.994	20.510	347.504	178.640	242.751	235.232	224.679	Continuing	Continuing
Less PY Advance Procurement ( <i>\$ in Millions</i> )	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P-1) ( <i>\$ in Millions</i> )	3,518.564	151.265	102.996	326.994	20.510	347.504	178.640	242.751	235.232	224.679	Continuing	Continuing
Plus CY Advance Procurement ( <i>\$ in Millions</i> )	-	-	-	-	-	-	-	-	-	-	-	-
<b>Total Obligation Authority</b> ( <i>\$ in Millions</i> )	<b>3,518.564</b>	<b>151.265</b>	<b>102.996</b>	<b>326.994</b>	<b>20.510</b>	<b>347.504</b>	<b>178.640</b>	<b>242.751</b>	<b>235.232</b>	<b>224.679</b>	<b>Continuing</b>	<b>Continuing</b>

*(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 budget line does not procure weapons systems or produce end items for weapon systems. All IT procurements consist of COTS solutions; all quantities and unit costs vary by system configuration and site.

**BU0530:**

The Installation Information Infrastructure Modernization Program (I3MP) modernizes and refreshes the classified and unclassified Networks on Army posts/camps/stations across the globe. Installation-level network infrastructure is comprised of the electronics, wiring, and security equipment required to provide voice, video, and data communications to traditional business users and Warfighters. Specific systems the program fields include classified and unclassified switching components of the installation network, network paths (outside plant - wires connecting all users and switching systems to one another), and power and HVAC needed to support operating the upgraded network equipment once installed. I3MP is at the very foundation of the Army and DoD Enterprise information technology modernization strategy to evolve a single converged data, voice, and video network; this strategy is referred to as Everything over Internet Protocol (EoIP). The converged network enables Unified Capabilities (UC) and the Joint Information Environment (JIE), and eliminates the need and costs to manage/maintain three separate networks on installations. I3MP engineers, designs, and fields standardized, converged, UC-ready, secure Installation Campus Area Network (ICAN) infrastructure using Commercial-off-the-Shelf (COTS) solutions. This infrastructure gives tactical and strategic end-users connectivity across the installation and the wide-area DOD Information Network (DODIN). The network I3MP modernizes enables soldiers to maintain their warfighting systems and their proficiency on the systems by running across the installation network while they are not deployed 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. In Korea, I3MP continues to support IT engineering for the Yongsan Relocation Plan/Land Partnership Plan to reduce the U.S. forces footprint and consolidate operations at Camp Humphries. It also resources the communications network backbone infrastructure for Joint communications on the Korean peninsula with phased replacement of the obsolete Asynchronous Transfer Mode (ATM)/Synchronous Optical Networking (SONET) infrastructure (62 ATM nodes circa 1997/28 SONET nodes circa 1999), that provide data, voice, and video communications.

**BU0510:**

OPERATION ATLANTIC RESOLVE (OAR) NETWORK: Overseas Contingency Operations (OCO) within the I3MP line specifically support the The Operation Atlantic Resolve (OAR) network provides coalition mission support, Command and Control (C2), Intelligence, and collaboration capabilities to the US and Allied Partner Nations participating in OAR activities. It supports the European Reassurance Initiative and will enable local and distributed training across the EUCOM AOR. The network serves as the central operational synchronization platform to enable coalition multi-national training and execution at the tactical and operational level spanning Central Region to the Baltics.

**BU3610:**

**UNCLASSIFIED**

**Exhibit P-40, Budget Line Item Justification:** Request for Additional Appropriations 2017 Army **Date:** March 2017

<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 2035A: Other Procurement, Army / BA 02: Communications and Electronics Equipment / BSA 73: Comm - Base Communications	<b>P-1 Line Item Number / Title:</b> BU0500 / Installation Info Infrastructure Mod Program
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<b>ID Code</b> (A=Service Ready, B=Not Service Ready):	<b>Program Elements for Code B Items:</b> N/A	<b>Other Related Program Elements:</b> N/A
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**Line Item MDAP/MAIS Code:** N/A

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.

U.S. EMBASSY KABUL COMMUNICATIONS: Divests command, control, communications, and computers (C4) and satellite communications from United States Forces-Afghanistan (USFOR-A)/DoD sites into the U.S. Embassy Complex in Kabul. Transition supports equipment required to reduce signal latency and reduce long-haul line usage, improving overall IT data and security services for the Coalition Joint Task Force-Operation Inherent Resolve(CJTF-OIR) area of operations. This will improve the CJTF leadership's ability to mission command CJTF-OIR operational assets in their AO.

COALITION PARTNER NETWORK (CPN-X), KUWAIT: Ensures Coalition Network Infrastructure is survivable and efficient at their Points of Presence (POP) in Camp Arifjan, Kuwait. The current infrastructures for these networks were created with recycled Government Furnished Equipment (GFE), in order to create an initial POP for each network for the CJTF-OIR operational requirements; however, the initial set up did not include a redundancy and maintenance (technical refresh) plan. The POP for the CPN-X POP is at Camp Arifjan, Kuwait. The Network/ Server infrastructure should support approximately 1000 users on CPN-X network.

BU2000:  
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).

<b>Secondary Distribution</b>		<b>FY 2015</b>	<b>FY 2016</b>	<b>FY 2017 Base</b>	<b>FY 2017 OCO</b>	<b>FY 2017 Total</b>	<b>FY 2018</b>	<b>FY 2019</b>	<b>FY 2020</b>	<b>FY 2021</b>
Army	Quantity	-	-	-	-	-	-	-	-	-
	Total Obligation Authority	151.265	102.996	326.994	20.510	347.504	178.640	242.751	235.232	224.679
<b>Total: Secondary Distribution</b>	<b>Quantity</b>	-	-	-	-	-	-	-	-	-
	<b>Total Obligation Authority</b>	<b>151.265</b>	<b>102.996</b>	<b>326.994</b>	<b>20.510</b>	<b>347.504</b>	<b>178.640</b>	<b>242.751</b>	<b>235.232</b>	<b>224.679</b>

**Justification:**  
BU0530:  
FY 2017 Base procurement dollars in the amount of \$130.316 million supports CONUS/OCONUS engineering and modernizing the complete networks on Army installations in CONUS and two areas in Europe. This will result in a single voice, video, and data network at these locations vice the three networks currently running simultaneously on them. In addition to the full implementations of I3MP, the program is taking advantage of the purchasing power of buying in bulk by conducting large commodity purchases of high speed Information Campus Area Network (ICAN) level switching devices. With over 20 installations already upgraded with these high power and capacity switches, intent is to field these at ten to twelve additional installations in FY17. Converging separate voice, video, and data networks and running over high capacity electronics support delivering the DoD mandated Unified Capabilities (UC) and ultimately reduce operation and management costs for the enterprise.

**UNCLASSIFIED**

<b>Exhibit P-40, Budget Line Item Justification:</b> Request for Additional Appropriations 2017 Army		<b>Date:</b> March 2017
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 2035A: Other Procurement, Army / BA 02: Communications and Electronics Equipment / BSA 73: Comm - Base Communications		<b>P-1 Line Item Number / Title:</b> BU0500 / Installation Info Infrastructure Mod Program
<b>ID Code</b> (A=Service Ready, B=Not Service Ready):	<b>Program Elements for Code B Items:</b> N/A	<b>Other Related Program Elements:</b> N/A
<b>Line Item MDAP/MAIS Code:</b> N/A		

BU0510:  
FY 2017 OCO procurement dollars in the amount of \$4.500 million procures EUCOM OAR Network core services (Email, chat, Voice over Internet Protocol (VoIP), Web services, global address lists, and video teleconferencing), information assurance hardware/software, end user equipment, and installation services. The FY17 OCO funding also procures support to the COCOM requirement for unit equipment sets to deter potential adversaries and support the European Reassurance Initiatives.

BU3610:  
FY 2017 Base procurement dollars in the amount of \$2.921 million procures the technical engineering service support that facilitates design reviews for the full technical upgrades of TCFs.

FY 2017 Overseas Contingency Operations (OCO) procurement dollars in the amount of \$13.010 million funds the transition of Department of Defense (DoD) command, control, communications, and computers (C2/C4) and Satellite Communications during Operation Freedom Sentinel (OFS) Phase III from divested United States Forces-Afghanistan (USFOR-A)/DoD sites into the U.S. Embassy Complex in Kabul. FY17 OCO procurement dollars also funds procurement and install of specialized, theater-specific equipment for the Mission Command Node-Technical Control Facilities (MCN-TCF) at Camp Arifjan, Kuwait.

FY 2017 OCO procurement dollars in the amount of \$3.000 million supports the Coalition Partner Network, Kuwait, infrastructure for approximately 1000 users on CPN-X network. Equipment includes routers, switches, servers, storage, TACLANES, and other security devices.

BU2000:  
FY 2017 Base procurement dollars in the amount of \$1.557 million procures 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).

Amendment Justification: This increase provides an additional \$195.200 million to modernize the Global Network infrastructure above the PB 2017 Request. This infrastructure is the backbone upon which all Army Warfighters and Cyber Protection Teams (CPTs) rely to maintain command and control of deployed and deploying forces, ensuring effective operation and defense of a single, end-to-end network.

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:** Request for Additional Appropriations 2017 Army **Date:** March 2017

<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 2035A: Other Procurement, Army / BA 02: Communications and Electronics Equipment / BSA 80: Elect Equip - Tact Int Rel Act (TIARA)	<b>P-1 Line Item Number / Title:</b> BZ7316 / DCGS-A (MIP)
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<b>ID Code</b> (A=Service Ready, B=Not Service Ready):	<b>Program Elements for Code B Items:</b> N/A	<b>Other Related Program Elements:</b> 0305208A
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**Line Item MDAP/MAIS Code:** N/A

Resource Summary	Prior Years	FY 2015	FY 2016	FY 2017 Base	FY 2017 OCO	FY 2017 Total	FY 2018	FY 2019	FY 2020	FY 2021	To Complete	Total
Procurement Quantity ( <i>Units in Each</i> )	10,577	3,234	2,087	2,022	-	2,022	2,111	2,270	-	-	Continuing	Continuing
Gross/Weapon System Cost ( <i>\$ in Millions</i> )	2,401.247	192.038	304.408	242.514	43.032	285.546	273.518	283.944	-	-	Continuing	Continuing
Less PY Advance Procurement ( <i>\$ in Millions</i> )	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P-1) ( <i>\$ in Millions</i> )	2,401.247	192.038	304.408	242.514	43.032	285.546	273.518	283.944	-	-	Continuing	Continuing
Plus CY Advance Procurement ( <i>\$ in Millions</i> )	-	-	-	-	-	-	-	-	-	-	-	-
<b>Total Obligation Authority (<i>\$ in Millions</i>)</b>	<b>2,401.247</b>	<b>192.038</b>	<b>304.408</b>	<b>242.514</b>	<b>43.032</b>	<b>285.546</b>	<b>273.518</b>	<b>283.944</b>	-	-	<b>Continuing</b>	<b>Continuing</b>

*(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> )	227.025	59.381	145.859	119.938	-	141.220	129.568	125.085	-	-	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 Army Resourcing Priority List (ARPL).

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 ARPL. 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:** Request for Additional Appropriations 2017 Army **Date:** March 2017

<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 2035A: Other Procurement, Army / BA 02: Communications and Electronics Equipment / BSA 80: Elect Equip - Tact Int Rel Act (TIARA)	<b>P-1 Line Item Number / Title:</b> BZ7316 / DCGS-A (MIP)
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<b>ID Code</b> (A=Service Ready, B=Not Service Ready):	<b>Program Elements for Code B Items:</b> N/A	<b>Other Related Program Elements:</b> 0305208A
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**Line Item MDAP/MAIS Code:** N/A

(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 2015	FY 2016	FY 2017 Base	FY 2017 OCO	FY 2017 Total	FY 2018	FY 2019	FY 2020	FY 2021
Army	Quantity	2,710	1,372	1,321	-	1,321	1,404	1,491	-	-
	Total Obligation Authority	165.137	249.763	188.138	43.032	231.170	218.333	217.079	-	-
ANG	Quantity	453	587	573	-	573	579	651	-	-
	Total Obligation Authority	24.742	49.990	49.711	-	49.711	50.520	62.200	-	-
AR	Quantity	71	128	128	-	128	128	128	-	-
	Total Obligation Authority	2.159	4.655	4.665	-	4.665	4.665	4.665	-	-
<b>Total: Secondary Distribution</b>	<b>Quantity</b>	<b>3,234</b>	<b>2,087</b>	<b>2,022</b>	<b>-</b>	<b>2,022</b>	<b>2,111</b>	<b>2,270</b>	<b>-</b>	<b>-</b>
	<b>Total Obligation Authority</b>	<b>192.038</b>	<b>304.408</b>	<b>242.514</b>	<b>43.032</b>	<b>285.546</b>	<b>273.518</b>	<b>283.944</b>	<b>-</b>	<b>-</b>

**Justification:**  
FY2017 Base funding in the amount of \$242.514 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, to network enable and provide enhanced ISR PED capabilities IAW the Army's Equipping Strategy. Funding supports the ARPL by equipping and training next deployers with the current DCGS-A software release. Fieldings will encompass 250 units across 30 states. Funding will provide for the acquisition of the Cross Doman Solution Suite (CDSS) in order to support the fielding of Version 3.2.5 software, which will also transition to Increment 2. 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. Funding supports continued alignment with Army COE objectives.

FY2017 OCO funding in the amount of \$33.032 million is required to procure hardware and software to allow deployed units to conduct intelligence reach and reach-back operations. Funds also procure the required hardware and software needed to maintain the effectiveness of DCGS-A capabilities and infra-structure supporting in-theater Intelligence, Surveillance, and Reconnaissance (ISR).

Amendment Justification: This increase requests an additional \$10.000 million in Overseas Contingency Operations (OCO) funds to procure Distributed Common Ground System-Army (DCGS-A) equipment above the PB 2017 Request. This equipment will support an additional (5th) training team to 2 Division Headquarters (HQs), 5 Brigade Combat Teams (BCTs), 2 Combat Aviation Brigades (CABs) and 2 Maneuver Enhancement Brigades (MEBs) in Army Central Command (ARCENT) Area of Operation (AOR).

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.

COMMENT: Quantities on the P40 breakdown do not equal quantities on the P5 because systems are comprised of varying configurations of hardware and software components.

**UNCLASSIFIED**

**Exhibit P-40, Budget Line Item Justification:** Request for Additional Appropriations 2017 Army **Date:** March 2017

<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 2035A: Other Procurement, Army / BA 02: Communications and Electronics Equipment / BSA 80: Elect Equip - Tact Int Rel Act (TIARA)	<b>P-1 Line Item Number / Title:</b> BA0326 / TROJAN (MIP)
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<b>ID Code</b> (A=Service Ready, B=Not Service Ready):	<b>Program Elements for Code B Items:</b> N/A	<b>Other Related Program Elements:</b> 0303032A
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**Line Item MDAP/MAIS Code:** N/A

Resource Summary	Prior Years	FY 2015	FY 2016	FY 2017 Base	FY 2017 OCO	FY 2017 Total	FY 2018	FY 2019	FY 2020	FY 2021	To Complete	Total
Procurement Quantity ( <i>Units in Each</i> )	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Cost ( <i>\$ in Millions</i> )	446.688	15.214	20.471	18.575	7.105	25.680	13.202	13.956	14.403	14.591	Continuing	Continuing
Less PY Advance Procurement ( <i>\$ in Millions</i> )	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P-1) ( <i>\$ in Millions</i> )	446.688	15.214	20.471	18.575	7.105	25.680	13.202	13.956	14.403	14.591	Continuing	Continuing
Plus CY Advance Procurement ( <i>\$ in Millions</i> )	-	-	-	-	-	-	-	-	-	-	-	-
<b>Total Obligation Authority (<i>\$ in Millions</i>)</b>	<b>446.688</b>	<b>15.214</b>	<b>20.471</b>	<b>18.575</b>	<b>7.105</b>	<b>25.680</b>	<b>13.202</b>	<b>13.956</b>	<b>14.403</b>	<b>14.591</b>	<b>Continuing</b>	<b>Continuing</b>

*(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> )	-	-	-	1,939.444	-	1,939.444	-	-	-	-	Continuing	Continuing

**Description:**

TROJAN, as an Army Intelligence system, has been providing direct support and an operational readiness capability to soldiers since 1983. TROJAN provides 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:** Request for Additional Appropriations 2017 Army **Date:** March 2017

<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 2035A: Other Procurement, Army / BA 02: Communications and Electronics Equipment / BSA 80: Elect Equip - Tact Int Rel Act (TIARA)	<b>P-1 Line Item Number / Title:</b> BA0326 / TROJAN (MIP)
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<b>ID Code</b> (A=Service Ready, B=Not Service Ready):	<b>Program Elements for Code B Items:</b> N/A	<b>Other Related Program Elements:</b> 0303032A
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**Line Item MDAP/MAIS Code:** N/A

Secondary Distribution		FY 2015	FY 2016	FY 2017 Base	FY 2017 OCO	FY 2017 Total	FY 2018	FY 2019	FY 2020	FY 2021
Army	Quantity	-	-	-	-	-	-	-	-	-
	Total Obligation Authority	15.214	20.471	18.575	7.105	25.680	13.202	13.956	14.403	14.591
<b>Total: Secondary Distribution</b>	Quantity	-	-	-	-	-	-	-	-	-
	<b>Total Obligation Authority</b>	<b>15.214</b>	<b>20.471</b>	<b>18.575</b>	<b>7.105</b>	<b>25.680</b>	<b>13.202</b>	<b>13.956</b>	<b>14.403</b>	<b>14.591</b>

**Justification:**

FY2017 Base funding in the amount of \$17.455 million funds requirements for TROJAN NexGEN and TROJAN SPIRIT.

TROJAN NexGEN: Funds collection and processing system upgrades required to maintain the TROJAN NexGEN system strategic architecture commonality. 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.

TROJAN SPIRIT: Funds procure pre-planned product improvements for modernization/refresh of 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 (TNOC) interface upgrades. Funds the upgrades and support of TROJAN SPIRIT terminals required for current and emerging operational missions in support of Regionally Aligned Forces (RAF), Global Response Forces (GRF) and Army Contingency Forces (ACF) until capability is fielded by PM mission command.

FY2017 OCO funding in the amount of \$3.305 million funds reset and recapitalization of deployed systems to meet standard configuration and type classification while also addressing the modernization of multiple TROJAN NexGEN systems that were not previously upgraded due to mission requirements in support of contingency operations. Funds also support a full reset of the TROJAN Support Desk, which provides 24/7 support to the warfighter, to ensure compatibility with all TROJAN forward deployed and sanctuary systems/facilities. Funds purchase equipment, installation, training and materials for enduring TROJAN intelligence operations systems to provide the Military Intelligence Brigades with an enduring capability in support of Contingency Operations.

Amendment Justification: This increase requests an additional \$1.120 million to upgrade 6 TROJAN SPIRIT terminals above the PB 2017. These terminals will retain accreditation to operate on the National Security Agency (NSA) network.

Amendment Justification: This increase requests an additional \$3.800 million in Overseas Contingency Operations (OCO) funds to procure 1 intelligence sensor pay load system above the PB 2017 Request. In support of worldwide counter Intel Operations.

**UNCLASSIFIED**

**Exhibit P-40, Budget Line Item Justification:** Request for Additional Appropriations 2017 Army **Date:** March 2017

<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 2035A: Other Procurement, Army / BA 02: Communications and Electronics Equipment / BSA 80: Elect Equip - Tact Int Rel Act (TIARA)	<b>P-1 Line Item Number / Title:</b> BZ9750 / Mod of In-Svc Equip (INTEL SPT) (MIP)
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<b>ID Code</b> (A=Service Ready, B=Not Service Ready):	<b>Program Elements for Code B Items:</b> N/A	<b>Other Related Program Elements:</b> N/A
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**Line Item MDAP/MAIS Code:** N/A

Resource Summary	Prior Years	FY 2015	FY 2016	FY 2017 Base	FY 2017 OCO	FY 2017 Total	FY 2018	FY 2019	FY 2020	FY 2021	To Complete	Total
Procurement Quantity ( <i>Units in Each</i> )	-	8	10	22	-	22	8	23	14	-	Continuing	Continuing
Gross/Weapon System Cost ( <i>\$ in Millions</i> )	121.779	3.901	3.978	44.965	0.540	45.505	34.303	47.841	56.068	86.439	Continuing	Continuing
Less PY Advance Procurement ( <i>\$ in Millions</i> )	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P-1) ( <i>\$ in Millions</i> )	121.779	3.901	3.978	44.965	0.540	45.505	34.303	47.841	56.068	86.439	Continuing	Continuing
Plus CY Advance Procurement ( <i>\$ in Millions</i> )	-	-	-	-	-	-	-	-	-	-	-	-
<b>Total Obligation Authority (<i>\$ in Millions</i>)</b>	<b>121.779</b>	<b>3.901</b>	<b>3.978</b>	<b>44.965</b>	<b>0.540</b>	<b>45.505</b>	<b>34.303</b>	<b>47.841</b>	<b>56.068</b>	<b>86.439</b>	<b>Continuing</b>	<b>Continuing</b>

*(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> )	-	487.625	397.800	2,043.864	-	2,068.409	4,287.875	2,080.043	4,004.857	-	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 provide 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 Multi-Function Teams (MFTs), Stryker Brigade Combat Teams (SBCTs), and Expeditionary-Military Intelligence Brigades (E-MIBs). 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.

Prophet Enhanced Modifications MIP (BZ9753): A new baby SSN (BZ9753) is a new start in FY17. In FY17, PdM Prophet will begin modernization to retrofit, test, train, and support previously fielded PE systems not currently hosted on a prime mover to the latest mounted configuration. Prophet Enhanced is the tactical commander's sole organic ground-based SIGINT/Electronic Warfare system for the Multi-Function Teams (MFTs), Stryker Brigade Combat Teams (SBCTs), and Expeditionary-Military Intelligence Brigades (E-MIBs). 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. It also incorporates the ability for rapid integration of Technical Insertions and Pre-Planned Product Improvements to ensure operational relevance.

Secondary Distribution	FY 2015	FY 2016	FY 2017 Base	FY 2017 OCO	FY 2017 Total	FY 2018	FY 2019	FY 2020	FY 2021	
Army	Quantity	8	10	22	-	22	8	23	14	-
	Total Obligation Authority	3.901	3.978	44.965	0.540	45.505	34.303	47.841	56.068	86.439
<b>Total:</b> Secondary Distribution	<b>Quantity</b>	<b>8</b>	<b>10</b>	<b>22</b>	<b>-</b>	<b>22</b>	<b>8</b>	<b>23</b>	<b>14</b>	<b>-</b>
	<b>Total Obligation Authority</b>	<b>3.901</b>	<b>3.978</b>	<b>44.965</b>	<b>0.540</b>	<b>45.505</b>	<b>34.303</b>	<b>47.841</b>	<b>56.068</b>	<b>86.439</b>

**Justification:**

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<b>Exhibit P-40, Budget Line Item Justification:</b> Request for Additional Appropriations 2017 Army		<b>Date:</b> March 2017
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 2035A: Other Procurement, Army / BA 02: Communications and Electronics Equipment / BSA 80: Elect Equip - Tact Int Rel Act (TIARA)		<b>P-1 Line Item Number / Title:</b> BZ9750 / Mod of In-Svc Equip (INTEL SPT) (MIP)
<b>ID Code</b> (A=Service Ready, B=Not Service Ready):	<b>Program Elements for Code B Items:</b> N/A	<b>Other Related Program Elements:</b> N/A
<b>Line Item MDAP/MAIS Code:</b> N/A		
<p>FY 2017 Base procurement funding in the amount of \$4.055 million will support the procurement, integration, and documentation of the next generation Manpack receiver signal-of-interest (SOI) enhancement for Prophet Enhanced. An upgraded Manpack capability will ensure that Prophet remains relevant against modern threats, providing an open architecture that allows capability integration to address advanced signal types in a constantly changing spectrum environment.</p> <p>FY 2017 Base procurement funding in the amount of \$40.910 million supports the modernization of 12 legacy systems, plus associated support, integration and testing for these systems. FY2017 Training/Fielding represents the delivery and New Equipment Training (NET) of the FY2016 PE systems on the current production contract.</p> <p>All funding is for the Active component.</p> <p>Amendment Justification: This increase requests an additional \$0.540 million in Overseas Contingency Operations (OCO) funds provide integration and developmental activities above the PB 2017 Request. This funding supports United States Army Europe Operational Needs Statement (ONS) 16-21509.</p>		

**UNCLASSIFIED**

**Exhibit P-40, Budget Line Item Justification:** Request for Additional Appropriations 2017 Army **Date:** March 2017

<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 2035A: Other Procurement, Army / BA 02: Communications and Electronics Equipment / BSA 80: Elect Equip - Tact Int Rel Act (TIARA)	<b>P-1 Line Item Number / Title:</b> BK5300 / Biometric Tactical Collection Devices (MIP)
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<b>ID Code</b> (A=Service Ready, B=Not Service Ready):	<b>Program Elements for Code B Items:</b> N/A	<b>Other Related Program Elements:</b> N/A
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**Line Item MDAP/MAIS Code:** N/A

Resource Summary	Prior Years	FY 2015	FY 2016	FY 2017 Base	FY 2017 OCO	FY 2017 Total	FY 2018	FY 2019	FY 2020	FY 2021	To Complete	Total
Procurement Quantity ( <i>Units in Each</i> )	-	-	-	-	2,000	2,000	-	-	-	-	-	2,000
Gross/Weapon System Cost ( <i>\$ in Millions</i> )	-	-	-	-	14.420	14.420	-	-	-	-	-	14.420
Less PY Advance Procurement ( <i>\$ in Millions</i> )	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P-1) ( <i>\$ in Millions</i> )	-	-	-	-	14.420	14.420	-	-	-	-	-	14.420
Plus CY Advance Procurement ( <i>\$ in Millions</i> )	-	-	-	-	-	-	-	-	-	-	-	-
<b>Total Obligation Authority</b> ( <i>\$ in Millions</i> )	-	-	-	-	<b>14.420</b>	<b>14.420</b>	-	-	-	-	-	<b>14.420</b>

*(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> )	-	-	-	-	7.210	7.210	-	-	-	-	-	7.210

**Description:**

The Army has two biometric tactical collection devices, the Biometric Automated Toolset-Army (BAT-A) Kit and BAT-A Handheld (HH). These two devices support the Army Force Protection Mission and Identity Dominance Mission. The devices collect, match, store and share biometric and contextual information on Known & Suspected Terrorists, potential adversaries, host nation personnel, and third country nationals. Recipients of collected biometric and contextual information include DoD organizations, other U.S. government agencies, and Coalition Partners. The capability has been deployed in a combat zone for the past decade and continued use in Afghanistan is projected based on the precedent set during the U.S. withdrawal from Iraq. The devices are also used by non-Military Intelligence personnel (Infantry and Military Police). The devices provide the Army tactical biometric collection capability to capture an adversary or neutral person's biometric data and enroll them into the DoD enterprise authoritative biometric database to positively identify and verify the identity of actual or potential adversaries. U.S. forces are currently operating unilaterally or in combination with joint, multinational, and interagency partners, to identify unknown individuals and verify the identity of person(s) across the full range of military operations.

Secondary Distribution	FY 2015	FY 2016	FY 2017 Base	FY 2017 OCO	FY 2017 Total	FY 2018	FY 2019	FY 2020	FY 2021
Army	Quantity	-	-	-	2,000	2,000	-	-	-
	Total Obligation Authority	-	-	-	14.420	14.420	-	-	-
<b>Total: Secondary Distribution</b>	<b>Quantity</b>	-	-	-	<b>2,000</b>	<b>2,000</b>	-	-	-
	<b>Total Obligation Authority</b>	-	-	-	<b>14.420</b>	<b>14.420</b>	-	-	-

**Justification:**

FY 2017 Overseas Contingency Operations (OCO) procurement funding in the amount of \$5.670 million procures hardware required to reset obsolete peripherals in support of two (2) contingency operations. Funding provides reset of 770 Iris Capture Devices and 770 Fingerprint Capture Devices to refresh obsolete peripherals in support of Operation Freedom's Sentinel (OFS) - (\$4,366). Also, funding provides reset of 230 Iris Capture Devices and 230 Fingerprint Capture Devices to refresh obsolete peripherals in support of Operation Inherent Resolve for ISIL (OIS) - (\$1,304).

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<b>Exhibit P-40, Budget Line Item Justification:</b> Request for Additional Appropriations 2017 Army		<b>Date:</b> March 2017
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 2035A: Other Procurement, Army / BA 02: Communications and Electronics Equipment / BSA 80: Elect Equip - Tact Int Rel Act (TIARA)		<b>P-1 Line Item Number / Title:</b> BK5300 / Biometric Tactical Collection Devices (MIP)
<b>ID Code</b> (A=Service Ready, B=Not Service Ready):	<b>Program Elements for Code B Items:</b> N/A	<b>Other Related Program Elements:</b> N/A
<b>Line Item MDAP/MAIS Code:</b> N/A		
<p>The Biometric Automated Toolset - Army (BAT-A) requires both hardware reset and associated minor software integration to maintain operational viability. These devices have been in Iraq and Afghanistan well beyond the standard 3 – 6 years of useful electronic equipment life. BAT-A is the Army's Biometric Program of Record and failure to reset these devices will degrade the mission effectiveness of this enabler of Identity Dominance and Force Protection.</p> <p>Amendment Justification: This increase requests an additional \$8.750 million in Overseas Contingency Operations (OCO) funds to support JUONS CC-0548 in the CENTCOM AOR above the PB 2017 Request. The increased funding addresses emergent critical Force Protection requirements via the capabilities to capture and match facial biometrics from a distance, voice data, DNA and biometric information via contactless means. THIS IS A NEW START.</p>		

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**Exhibit P-40, Budget Line Item Justification:** Request for Additional Appropriations 2017 Army **Date:** March 2017

<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 2035A: Other Procurement, Army / BA 02: Communications and Electronics Equipment / BSA 83: Elect Equip - Electronic Warfare (EW)	<b>P-1 Line Item Number / Title:</b> B05201 / Lightweight Counter Mortar Radar
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<b>ID Code</b> (A=Service Ready, B=Not Service Ready):	<b>Program Elements for Code B Items:</b> N/A	<b>Other Related Program Elements:</b> 0604823A
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**Line Item MDAP/MAIS Code:** N/A

Resource Summary	Prior Years	FY 2015	FY 2016	FY 2017 Base	FY 2017 OCO	FY 2017 Total	FY 2018	FY 2019	FY 2020	FY 2021	To Complete	Total
Procurement Quantity ( <i>Units in Each</i> )	286	3	36	46	18	64	-	-	-	-	-	389
Gross/Weapon System Cost ( <i>\$ in Millions</i> )	615.395	29.358	63.472	74.038	56.692	130.730	10.855	9.618	-	-	-	859.428
Less PY Advance Procurement ( <i>\$ in Millions</i> )	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P-1) ( <i>\$ in Millions</i> )	615.395	29.358	63.472	74.038	56.692	130.730	10.855	9.618	-	-	-	859.428
Plus CY Advance Procurement ( <i>\$ in Millions</i> )	-	-	-	-	-	-	-	-	-	-	-	-
<b>Total Obligation Authority</b> ( <i>\$ in Millions</i> )	<b>615.395</b>	<b>29.358</b>	<b>63.472</b>	<b>74.038</b>	<b>56.692</b>	<b>130.730</b>	<b>10.855</b>	<b>9.618</b>	-	-	-	<b>859.428</b>

*(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> )	2,151.731	9,786.000	1,763.111	1,609.522	3,149.556	2,042.656	-	-	-	-	-	2,209.326

**Description:**

The AN/TPQ-50 Lightweight Counter Mortar Radar (LCMR) is a highly mobile radar that automatically detects, classifies, tracks, and locates the point of origin of projectiles fired from mortar, artillery, and rocket systems with sufficient accuracy for first round fire for effect. It mitigates close combat radar coverage gaps by providing 360 degrees of azimuth coverage from ranges of 500 meters to 10 kilometers and is capable of being deployed in two configurations, standalone or vehicle mounted. The AN/TPQ-50 system interoperates with battle command systems (BCSs) to provide the maneuver commander increased counterfire radar flexibility. The AN/TPQ-50 is deployed as part of the Counter-Rocket, Artillery, Mortar (C-RAM) system of systems. It provides data to the Forward Area Air Defense Command and Control (FAAD C2) node for the sense and warn force protection capability. The AN/TPQ-50 is currently fielded to multiple Continental United States (CONUS) and Outside Continental United States (OCONUS) locations to include support to Operation Inherent Resolve (OIR) and Operation Freedom Sentinel (OFS).

Army Acquisition Objective (AAO): 400

Secondary Distribution	FY 2015	FY 2016	FY 2017 Base	FY 2017 OCO	FY 2017 Total	FY 2018	FY 2019	FY 2020	FY 2021
Army									
Quantity	2	20	29	18	47	-	-	-	-
Total Obligation Authority	20.548	35.260	46.570	56.692	103.262	5.655	6.284	-	-
ANG									
Quantity	1	16	17	-	17	-	-	-	-
Total Obligation Authority	8.810	28.212	27.468	-	27.468	5.200	3.334	-	-
<b>Total: Secondary Distribution</b>	<b>3</b>	<b>36</b>	<b>46</b>	<b>18</b>	<b>64</b>	-	-	-	-
<b>Total Obligation Authority</b>	<b>29.358</b>	<b>63.472</b>	<b>74.038</b>	<b>56.692</b>	<b>130.730</b>	<b>10.855</b>	<b>9.618</b>	-	-

**Justification:**

Fiscal Year (FY) 2017 OPA Base funds of \$74.038 million will support the procurement of 46 AN/TPQ-50 Full Rate Production (FRP) systems.



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<b>Exhibit P-40, Budget Line Item Justification:</b> Request for Additional Appropriations 2017 Army		<b>Date:</b> March 2017
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 2035A: Other Procurement, Army / BA 02: Communications and Electronics Equipment / BSA 83: Elect Equip - Electronic Warfare (EW)		<b>P-1 Line Item Number / Title:</b> B05201 / Lightweight Counter Mortar Radar
<b>ID Code</b> (A=Service Ready, B=Not Service Ready):	<b>Program Elements for Code B Items:</b> N/A	<b>Other Related Program Elements:</b> 0604823A
<b>Line Item MDAP/MAIS Code:</b> N/A		
<p>The FY17 OCO includes \$25.892 million to support the Combatant Command (COCOM) requirement for unit equipment sets to deter potential adversaries and support the European Reassurance Initiatives. The procurements include 18 AN/TPQ-50 radars.</p> <p>Current force structure is: Twelve (12) radars per IFPC, Air Defense Artillery (ADA) Battalion Four (4) radars per Brigade Combat Team (BCT) Two (2) radars per Field Artillery Brigade (FAB) Two (2) radars per Division Artillery (DIVARTY) Two (2) radars per Special Troops Battalion, Ranger Regiment One (1) radar per Special Forces Battalion (SFB) One (1) radar per Support Battalion SF Group (SFG) One (1) radar per Ranger Battalion</p> <p>Amendment Justification: This increase requests an additional \$30.800 million in Overseas Contingency Operations (OCO) funds to procure 20 Q-50 LCMR replacement radars in support of Operation Inherent Resolve (OIR) above the PB 2017 Request.</p> <p>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.</p>		

**UNCLASSIFIED**

**Exhibit P-40, Budget Line Item Justification:** Request for Additional Appropriations 2017 Army **Date:** March 2017

<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 2035A: Other Procurement, Army / BA 02: Communications and Electronics Equipment / BSA 83: Elect Equip - Electronic Warfare (EW)	<b>P-1 Line Item Number / Title:</b> BL5287 / Family Of Persistent Surveillance Capabilities
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<b>ID Code</b> (A=Service Ready, B=Not Service Ready):	<b>Program Elements for Code B Items:</b> N/A	<b>Other Related Program Elements:</b> N/A
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**Line Item MDAP/MAIS Code:** N/A

Resource Summary	Prior Years	FY 2015	FY 2016	FY 2017 Base	FY 2017 OCO	FY 2017 Total	FY 2018	FY 2019	FY 2020	FY 2021	To Complete	Total
Procurement Quantity ( <i>Units in Each</i> )	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Cost ( <i>\$ in Millions</i> )	241.600	32.083	16.569	1.740	32.801	34.541	-	-	-	-	-	324.793
Less PY Advance Procurement ( <i>\$ in Millions</i> )	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P-1) ( <i>\$ in Millions</i> )	241.600	32.083	16.569	1.740	32.801	34.541	-	-	-	-	-	324.793
Plus CY Advance Procurement ( <i>\$ in Millions</i> )	-	-	-	-	-	-	-	-	-	-	-	-
<b>Total Obligation Authority (<i>\$ in Millions</i>)</b>	<b>241.600</b>	<b>32.083</b>	<b>16.569</b>	<b>1.740</b>	<b>32.801</b>	<b>34.541</b>	-	-	-	-	-	<b>324.793</b>

*(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:**

Persistent Surveillance Systems - Tethered (PSS-T) is a program of record comprised of 29 Large (formerly Persistent Threat Detection System (PTDS)) and 29 Medium (formerly Persistent Ground Surveillance System (PGSS)) sized Aerostats. PSS-T has been assigned to Army Program Executive Office for Intelligence, Electronic Warfare and Sensors (PEO IEW&S). Both tethered Aerostats are 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 Tactical Operations Center (TOC) Extension Kits, 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, coded laser target designation, 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, coded laser target designation, 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.

	Secondary Distribution	FY 2015	FY 2016	FY 2017 Base	FY 2017 OCO	FY 2017 Total	FY 2018	FY 2019	FY 2020	FY 2021
Army	Quantity	-	-	-	-	-	-	-	-	-
	Total Obligation Authority	32.083	16.569	1.740	32.801	34.541	-	-	-	-

**UNCLASSIFIED**

**Exhibit P-40, Budget Line Item Justification:** Request for Additional Appropriations 2017 Army **Date:** March 2017

<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 2035A: Other Procurement, Army / BA 02: Communications and Electronics Equipment / BSA 83: Elect Equip - Electronic Warfare (EW)	<b>P-1 Line Item Number / Title:</b> BL5287 / Family Of Persistent Surveillance Capabilities
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<b>ID Code</b> (A=Service Ready, B=Not Service Ready):	<b>Program Elements for Code B Items:</b> N/A	<b>Other Related Program Elements:</b> N/A
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**Line Item MDAP/MAIS Code:** N/A

Secondary Distribution		FY 2015	FY 2016	FY 2017 Base	FY 2017 OCO	FY 2017 Total	FY 2018	FY 2019	FY 2020	FY 2021
<b>Total:</b>	<b>Quantity</b>	-	-	-	-	-	-	-	-	-
<b>Secondary Distribution</b>	<b>Total Obligation Authority</b>	<b>32.083</b>	<b>16.569</b>	<b>1.740</b>	<b>32.801</b>	<b>34.541</b>	-	-	-	-

**Justification:**  
 FY 2017 Base procurement dollars in the amount of \$1.740 million supports the program management office.

FY 2017 Overseas Contingency Operations (OCO) procurement dollars in the amount of \$11.610 million provides one complete tether-up kit for Operation Freedom Sentinel (OFS) and one complete tether-up kit for Operation Inherent Resolve (OIR).

Amendment Justification: This increase requests an additional \$21.191 million in Overseas Contingency Operations (OCO) funds to procure ISR Sensor Package on Aerostats providing significant capability increase over the MX-20 above the PB 2017 Request. Funds will also provide for 6 tether-up replacement kits in order to sustain the fleet due to a high level of battle damage, which has depleted theater replacement kits faster than previously forecasted.

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.

All funds support the Active Component.

**UNCLASSIFIED**

**Exhibit P-40, Budget Line Item Justification:** Request for Additional Appropriations 2017 Army **Date:** March 2017

<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 2035A: Other Procurement, Army / BA 02: Communications and Electronics Equipment / BSA 86: Elect Equip - Tactical Surv. (Tac Surv)	<b>P-1 Line Item Number / Title:</b> KA3500 / Night Vision Devices
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<b>ID Code</b> (A=Service Ready, B=Not Service Ready):	<b>Program Elements for Code B Items:</b> N/A	<b>Other Related Program Elements:</b> 0604710A
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**Line Item MDAP/MAIS Code:** N/A

Resource Summary	Prior Years	FY 2015	FY 2016	FY 2017 Base	FY 2017 OCO	FY 2017 Total	FY 2018	FY 2019	FY 2020	FY 2021	To Complete	Total
Procurement Quantity ( <i>Units in Each</i> )	24,949	4,069	6,061	10,574	-	10,574	11,723	5,321	7,167	4,659	Continuing	Continuing
Gross/Weapon System Cost ( <i>\$ in Millions</i> )	1,373.214	103.656	124.216	189.170	-	189.170	155.740	101.006	117.251	90.636	Continuing	Continuing
Less PY Advance Procurement ( <i>\$ in Millions</i> )	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P-1) ( <i>\$ in Millions</i> )	1,373.214	103.656	124.216	189.170	-	189.170	155.740	101.006	117.251	90.636	Continuing	Continuing
Plus CY Advance Procurement ( <i>\$ in Millions</i> )	-	-	-	-	-	-	-	-	-	-	-	-
<b>Total Obligation Authority (<i>\$ in Millions</i>)</b>	<b>1,373.214</b>	<b>103.656</b>	<b>124.216</b>	<b>189.170</b>	<b>-</b>	<b>189.170</b>	<b>155.740</b>	<b>101.006</b>	<b>117.251</b>	<b>90.636</b>	<b>Continuing</b>	<b>Continuing</b>

*(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> )	55.041	25.475	20.494	17.890	-	17.890	13.285	18.983	16.360	19.454	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 Laser Target Locators (LTL). The LTL is a lightweight, handheld, laser target locator with day and thermal sight capability as well as an internal Global Positioning System (GPS) receiver. LTL 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. LTL improves speed, accuracy, and safety of use over previous systems of this type (e.g., Laser Target Locator System (LTLS)). In FY16 a competitive contract will be awarded for LTL II reducing size, weight, power consumption and cost.
- (4) K41500 - The Clip-on Sniper Night Sight (CoSNS), 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.
- (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.

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**Exhibit P-40, Budget Line Item Justification:** Request for Additional Appropriations 2017 Army **Date:** March 2017

<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 2035A: Other Procurement, Army / BA 02: Communications and Electronics Equipment / BSA 86: Elect Equip - Tactical Surv. (Tac Surv)	<b>P-1 Line Item Number / Title:</b> KA3500 / Night Vision Devices
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<b>ID Code</b> (A=Service Ready, B=Not Service Ready):	<b>Program Elements for Code B Items:</b> N/A	<b>Other Related Program Elements:</b> 0604710A
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**Line Item MDAP/MAIS Code:** N/A

(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 2015	FY 2016	FY 2017 Base	FY 2017 OCO	FY 2017 Total	FY 2018	FY 2019	FY 2020	FY 2021
Army	Quantity	1,546	4,815	7,914	-	7,914	8,666	3,776	6,505	4,160
	Total Obligation Authority	49.217	95.843	147.347	-	147.347	111.711	63.776	89.199	62.161
ANG	Quantity	1,872	1,246	2,660	-	2,660	3,057	1,545	481	499
	Total Obligation Authority	40.391	28.373	41.823	-	41.823	44.029	37.230	24.851	22.000
AR	Quantity	651	-	-	-	-	-	-	181	-
	Total Obligation Authority	14.048	-	-	-	-	-	-	3.201	6.475
<b>Total: Secondary Distribution</b>	<b>Quantity</b>	<b>4,069</b>	<b>6,061</b>	<b>10,574</b>	<b>-</b>	<b>10,574</b>	<b>11,723</b>	<b>5,321</b>	<b>7,167</b>	<b>4,659</b>
	<b>Total Obligation Authority</b>	<b>103.656</b>	<b>124.216</b>	<b>189.170</b>	<b>-</b>	<b>189.170</b>	<b>155.740</b>	<b>101.006</b>	<b>117.251</b>	<b>90.636</b>

**Justification:**  
FY 2017 Base procurement dollars in the amount of \$163.029 million supports the procurement of 9,878 Enhanced Night Vision Goggles, 696 Laser Target Location Modules, and associated fielding costs.

Amendment Justification: This increase requests an additional \$26.141 million to procure 2,396 AN/PSQ-20 Enhanced Night Vision Goggle (ENVG) lightweight, helmet mounted devices and the procurement of 65 Laser Target Locators (LTL) above the PB 2017 request. These items will fill existing unit authorizations.

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.64,256

**UNCLASSIFIED**

**Exhibit P-40, Budget Line Item Justification:** Request for Additional Appropriations 2017 Army **Date:** March 2017

<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 2035A: Other Procurement, Army / BA 02: Communications and Electronics Equipment / BSA 86: Elect Equip - Tactical Surv. (Tac Surv)	<b>P-1 Line Item Number / Title:</b> K35110 / Small Tactical Optical Rifle Mounted MLRF
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ID Code (A=Service Ready, B=Not Service Ready): A	Program Elements for Code B Items: N/A	Other Related Program Elements: 0604710A
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**Line Item MDAP/MAIS Code:** N/A

Resource Summary	Prior Years	FY 2015	FY 2016	FY 2017 Base	FY 2017 OCO	FY 2017 Total	FY 2018	FY 2019	FY 2020	FY 2021	To Complete	Total
Procurement Quantity ( <i>Units in Each</i> )	4,215	1,904	1,644	1,134	-	1,134	2,064	2,133	2,473	2,182	Continuing	Continuing
Gross/Weapon System Cost ( <i>\$ in Millions</i> )	98.706	18.520	23.216	18.843	-	18.843	22.979	23.846	27.633	24.216	Continuing	Continuing
Less PY Advance Procurement ( <i>\$ in Millions</i> )	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P-1) ( <i>\$ in Millions</i> )	98.706	18.520	23.216	18.843	-	18.843	22.979	23.846	27.633	24.216	Continuing	Continuing
Plus CY Advance Procurement ( <i>\$ in Millions</i> )	-	-	-	-	-	-	-	-	-	-	-	-
<b>Total Obligation Authority (<i>\$ in Millions</i>)</b>	<b>98.706</b>	<b>18.520</b>	<b>23.216</b>	<b>18.843</b>	<b>-</b>	<b>18.843</b>	<b>22.979</b>	<b>23.846</b>	<b>27.633</b>	<b>24.216</b>	<b>Continuing</b>	<b>Continuing</b>

*(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> )	23.418	9.727	14.122	16.616	-	16.616	11.133	11.180	11.174	11.098	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 Army Acquisition Objective (AAO) for STORM is 23,860.

Secondary Distribution		FY 2015	FY 2016	FY 2017 Base	FY 2017 OCO	FY 2017 Total	FY 2018	FY 2019	FY 2020	FY 2021
Army	Quantity	1,030	1,132	825	-	825	1,306	1,994	2,473	2,182
	Total Obligation Authority	10.020	15.986	14.482	-	14.482	14.506	22.293	27.633	24.216
ANG	Quantity	874	512	309	-	309	758	139	-	-
	Total Obligation Authority	8.500	7.230	4.361	-	4.361	8.473	1.553	-	-
<b>Total:</b>	<b>Quantity</b>	<b>1,904</b>	<b>1,644</b>	<b>1,134</b>	<b>-</b>	<b>1,134</b>	<b>2,064</b>	<b>2,133</b>	<b>2,473</b>	<b>2,182</b>
<b>Secondary Distribution</b>	<b>Total Obligation Authority</b>	<b>18.520</b>	<b>23.216</b>	<b>18.843</b>	<b>-</b>	<b>18.843</b>	<b>22.979</b>	<b>23.846</b>	<b>27.633</b>	<b>24.216</b>

**Justification:**

FY 2017 Base procurement dollars in the amount of \$15.885 million supports the procurement of 1,134 AN/PSQ-23C systems for fielding to small unit leaders and Snipers.

The FY 2017 funding request was reduced by \$3.101 million to account for the availability of prior year execution balances.

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<b>Exhibit P-40, Budget Line Item Justification:</b> Request for Additional Appropriations 2017 Army		<b>Date:</b> March 2017
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 2035A: Other Procurement, Army / BA 02: Communications and Electronics Equipment / BSA 86: Elect Equip - Tactical Surv. (Tac Surv)		<b>P-1 Line Item Number / Title:</b> K35110 / Small Tactical Optical Rifle Mounted MLRF
<b>ID Code</b> (A=Service Ready, B=Not Service Ready): A	<b>Program Elements for Code B Items:</b> N/A	<b>Other Related Program Elements:</b> 0604710A
<b>Line Item MDAP/MAIS Code:</b> N/A		
<p>Amendment Justification: This increase requests an additional \$2.958 million to procure 236 STORM SLX systems AN/PSQ-23B systems above the PB 2017 Request. These items will fill existing unit authorizations.</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-40, Budget Line Item Justification:** Request for Additional Appropriations 2017 Army **Date:** March 2017

<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 2035A: Other Procurement, Army / BA 02: Communications and Electronics Equipment / BSA 86: Elect Equip - Tactical Surv. (Tac Surv)	<b>P-1 Line Item Number / Title:</b> BZ0501 / Indirect Fire Protection Family Of Systems
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<b>ID Code</b> (A=Service Ready, B=Not Service Ready):	<b>Program Elements for Code B Items:</b> N/A	<b>Other Related Program Elements:</b> 0604741A
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**Line Item MDAP/MAIS Code:** N/A

Resource Summary	Prior Years	FY 2015	FY 2016	FY 2017 Base	FY 2017 OCO	FY 2017 Total	FY 2018	FY 2019	FY 2020	FY 2021	To Complete	Total
Procurement Quantity ( <i>Units in Each</i> )	292	184	312	193	87	280	-	-	-	-	-	1,068
Gross/Weapon System Cost ( <i>\$ in Millions</i> )	82.699	68.296	60.679	88.097	106.910	195.007	11.380	3.472	-	-	-	421.533
Less PY Advance Procurement ( <i>\$ in Millions</i> )	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P-1) ( <i>\$ in Millions</i> )	82.699	68.296	60.679	88.097	106.910	195.007	11.380	3.472	-	-	-	421.533
Plus CY Advance Procurement ( <i>\$ in Millions</i> )	-	-	-	-	-	-	-	-	-	-	-	-
<b>Total Obligation Authority (<i>\$ in Millions</i>)</b>	<b>82.699</b>	<b>68.296</b>	<b>60.679</b>	<b>88.097</b>	<b>106.910</b>	<b>195.007</b>	<b>11.380</b>	<b>3.472</b>	-	-	-	<b>421.533</b>

*(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> )	283.216	371.174	194.484	456.461	1,228.851	696.454	-	-	-	-	-	394.694

**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 warning devices, controllers, and dedicated communications devices between the existing radars, ADAM Cell, and warning systems. 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.

The 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 produced as a part of the C-RAM quick reaction capability for theater operations; the guns undergo reset prior to fielding. C-RAM Intercept transitioned to an acquisition program with the approval of the C-RAM Intercept 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 2QFY16.

Secondary Distribution		FY 2015	FY 2016	FY 2017 Base	FY 2017 OCO	FY 2017 Total	FY 2018	FY 2019	FY 2020	FY 2021
Army	Quantity	184	136	72	87	159	-	-	-	-
	Total Obligation Authority	68.296	36.729	72.104	106.910	179.014	2.097	0.002	-	-
ANG	Quantity	-	176	121	-	121	-	-	-	-
	Total Obligation Authority	-	23.950	15.993	-	15.993	9.283	3.470	-	-



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**Exhibit P-40, Budget Line Item Justification:** Request for Additional Appropriations 2017 Army **Date:** March 2017

<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 2035A: Other Procurement, Army / BA 02: Communications and Electronics Equipment / BSA 86: Elect Equip - Tactical Surv. (Tac Surv)	<b>P-1 Line Item Number / Title:</b> BZ0501 / Indirect Fire Protection Family Of Systems
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<b>ID Code</b> (A=Service Ready, B=Not Service Ready):	<b>Program Elements for Code B Items:</b> N/A	<b>Other Related Program Elements:</b> 0604741A
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**Line Item MDAP/MAIS Code:** N/A

Secondary Distribution		FY 2015	FY 2016	FY 2017 Base	FY 2017 OCO	FY 2017 Total	FY 2018	FY 2019	FY 2020	FY 2021
<b>Total:</b>	<b>Quantity</b>	184	312	193	87	280	-	-	-	-
<b>Secondary Distribution</b>	<b>Total Obligation Authority</b>	68.296	60.679	88.097	106.910	195.007	11.380	3.472	-	-

**Justification:**  
 FY 2017 Base procurement dollars in the amount of \$48.427 million provide for the procurement and fielding of the RAM Warn capability to 11 BCTs and 8 APS equipment sets, continues the fielding of LPWS Intercept assets and associated support equipment to the 5-5 and 2-44 ADA battalions, and provides C-RAM Intercept Interim Contractor Logistics Support (ICLS) until the units transition to organic sustainment.

The FY 2017 OCO funding in the amount of \$4.270 million supports the Combatant Command (COCOM) requirement for unit equipment sets to deter potential adversaries and support the European Reassurance Initiatives. The procurements include RAM Warn prepositioned European equipment sets.

Funding for Research, Development, Test and Evaluation (RDT&E) efforts are requested in Line #91 Air Defense Command, Control and Intelligence - Eng. Dev. program element 0604741A, project FG5 Counter Unmanned Aerial Systems.

An additional RAA package in the amount of \$76.000 million will be provided to support the CUAS Acceleration plan which fields existing capability and provides immediate protection to the most at risk sites in the shortest time frame and in accordance with Office of the Secretary of Defense (OSD) direction.

For transparency and in support of the Counter Unmanned Aerial System (UAS) Joint Operational Needs for Statement (JUONS) CC-0558, Project FG5 was created to support the identification, development, testing, evaluation and integration of technologies to provide an overall evolutionary capability to defeat small Unmanned Aerial systems (UAS) threats. The CUAS effort will provide the capability for the warfighter to comprehensively detect, identify and defeat enemy Group 1 and 2 light weight, low altitude UAS.

The CUAS effort involves a four phased development and testing approach of Counter UAS systems:

- Phase 0: Deploys available/interim capabilities to three high priority sites, conducts Operational Assessment in Theater. Systems will be stand-alone with full system characterization, operational and spectrum impacts evaluated in Phase 1. Phase 0 efforts have been funded by Joint Improvised-Threat Defeat Agency (JIDA).
- Phase 1: Limited Test at Yuma Proving Ground (YPG) takes an initial look at available systems on the network, development for sensors and other mature systems, experimental segment for emerging technology and initial fielding of selected sites.
- Phase 1a: Test multiple systems on the network, tests mature solutions and down selects the best solutions that will participate in Phase 2 (full JUON capability) and fielding to identified locations.
- Phase 2: Test fully networked, fixed/mobile capability, sustainable solution and deploy full JUON capability to all locations.

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.

Amendment Justification: This increase requests an additional \$39.670 million for procurement of long lead items in support of 15 additional Counter Rocket, Artillery and Mortar (C-RAM) intercept systems above the PB 2017 Request. These items will accelerate production by 8 months and are required to support 3 ONS: 16-21731, 17-21887 and 17-21817.

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<b>Exhibit P-40, Budget Line Item Justification:</b> Request for Additional Appropriations 2017 Army		<b>Date:</b> March 2017
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 2035A: Other Procurement, Army / BA 02: Communications and Electronics Equipment / BSA 86: Elect Equip - Tactical Surv. (Tac Surv)		<b>P-1 Line Item Number / Title:</b> BZ0501 / Indirect Fire Protection Family Of Systems
<b>ID Code</b> (A=Service Ready, B=Not Service Ready):	<b>Program Elements for Code B Items:</b> N/A	<b>Other Related Program Elements:</b> 0604741A
<b>Line Item MDAP/MAIS Code:</b> N/A		
Amendment Justification: This increase requests an additional \$102.640 million in Overseas Contingency Operations (OCO) funds to support the procurement of multiple kinetic kill capability systems above the PB 2017 Request. These systems will be used against threat Group 1 and 2 Unmanned Aerial Systems (UASs) supporting Operational Needs Statement (ONS) 17-21817 and 16-21613.		

**UNCLASSIFIED**

**Exhibit P-40, Budget Line Item Justification:** Request for Additional Appropriations 2017 Army **Date:** March 2017

<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 2035A: Other Procurement, Army / BA 02: Communications and Electronics Equipment / BSA 86: Elect Equip - Tactical Surv. (Tac Surv)	<b>P-1 Line Item Number / Title:</b> W61990 / JOINT BATTLE COMMAND - PLATFORM (JBC-P)
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<b>ID Code</b> (A=Service Ready, B=Not Service Ready):	<b>Program Elements for Code B Items:</b> N/A	<b>Other Related Program Elements:</b> 0203759A, 0604805A
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**Line Item MDAP/MAIS Code:** N/A

Resource Summary	Prior Years	FY 2015	FY 2016	FY 2017 Base	FY 2017 OCO	FY 2017 Total	FY 2018	FY 2019	FY 2020	FY 2021	To Complete	Total
Procurement Quantity ( <i>Units in Each</i> )	498	1,522	3,204	3,329	-	3,329	3,357	3,244	3,445	3,842	Continuing	Continuing
Gross/Weapon System Cost ( <i>\$ in Millions</i> )	415.341	87.892	133.339	227.573	-	227.573	139.088	135.010	143.338	158.706	Continuing	Continuing
Less PY Advance Procurement ( <i>\$ in Millions</i> )	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P-1) ( <i>\$ in Millions</i> )	415.341	87.892	133.339	227.573	-	227.573	139.088	135.010	143.338	158.706	Continuing	Continuing
Plus CY Advance Procurement ( <i>\$ in Millions</i> )	-	-	-	-	-	-	-	-	-	-	-	-
<b>Total Obligation Authority</b> ( <i>\$ in Millions</i> )	<b>415.341</b>	<b>87.892</b>	<b>133.339</b>	<b>227.573</b>	-	<b>227.573</b>	<b>139.088</b>	<b>135.010</b>	<b>143.338</b>	<b>158.706</b>	<b>Continuing</b>	<b>Continuing</b>

*(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> )	834.018	57.748	41.616	68.361	-	68.361	41.432	41.618	41.608	41.308	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, 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 continue to 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 a standardized set of computing technologies that enable secure and interoperable applications to be rapidly developed and executed across a variety of computing environments. The MCE leverages 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 2015	FY 2016	FY 2017 Base	FY 2017 OCO	FY 2017 Total	FY 2018	FY 2019	FY 2020	FY 2021	
Army	Quantity	1,119	2,355	2,447	-	2,447	2,467	2,384	2,532	2,823
	Total Obligation Authority	61.951	97.395	190.853	-	190.853	104.178	98.750	103.044	118.706
ANG	Quantity	236	497	516	-	516	521	504	535	597
	Total Obligation Authority	15.173	23.960	24.380	-	24.380	23.240	24.440	26.230	25.000
AR	Quantity	167	352	366	-	366	369	356	378	422
	Total Obligation Authority	10.768	11.984	12.340	-	12.340	11.670	11.820	14.064	15.000
<b>Total:</b>	<b>Quantity</b>	<b>1,522</b>	<b>3,204</b>	<b>3,329</b>	<b>-</b>	<b>3,329</b>	<b>3,357</b>	<b>3,244</b>	<b>3,445</b>	<b>3,842</b>
<b>Secondary Distribution</b>	<b>Total Obligation Authority</b>	<b>87.892</b>	<b>133.339</b>	<b>227.573</b>	<b>-</b>	<b>227.573</b>	<b>139.088</b>	<b>135.010</b>	<b>143.338</b>	<b>158.706</b>

**UNCLASSIFIED**

<b>Exhibit P-40, Budget Line Item Justification:</b> Request for Additional Appropriations 2017 Army		<b>Date:</b> March 2017
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 2035A: Other Procurement, Army / BA 02: Communications and Electronics Equipment / BSA 86: Elect Equip - Tactical Surv. (Tac Surv)		<b>P-1 Line Item Number / Title:</b> W61990 / JOINT BATTLE COMMAND - PLATFORM (JBC-P)
<b>ID Code</b> (A=Service Ready, B=Not Service Ready):	<b>Program Elements for Code B Items:</b> N/A	<b>Other Related Program Elements:</b> 0203759A, 0604805A
<b>Line Item MDAP/MAIS Code:</b> N/A		

**Justification:**  
Fiscal Year 2017 Base Procurement dollars in the amount of \$137.501 million supports the procurement of 2,896 vehicle platform computer systems, 433 Command Post systems, satellite transceivers, encryption devices, ancillary equipment, program management support, training, fielding, publications, support equipment, and Post Deployment Software and Support (PDSS).

Amendment Justification: This increase requests an additional \$90.072 million to procure of 5,599 Mobile Family of Computer Systems (MFOCS) and installation kits above the PB 2017 Request. These systems and kits will be fielded to four Armor Brigade Combat Teams (ABCTs), one Stryker Brigade Combat Team, one Infantry Brigade Combat Team and a mixture of enabling units.

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:** Request for Additional Appropriations 2017 Army **Date:** March 2017

<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 2035A: Other Procurement, Army / BA 02: Communications and Electronics Equipment / BSA 86: Elect Equip - Tactical Surv. (Tac Surv)	<b>P-1 Line Item Number / Title:</b> BZ6501 / Base Expeditary Targeting and Surv Sys
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<b>ID Code</b> (A=Service Ready, B=Not Service Ready): A	<b>Program Elements for Code B Items:</b> N/A	<b>Other Related Program Elements:</b> N/A
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**Line Item MDAP/MAIS Code:** N/A

Resource Summary	Prior Years	FY 2015	FY 2016	FY 2017 Base	FY 2017 OCO	FY 2017 Total	FY 2018	FY 2019	FY 2020	FY 2021	To Complete	Total
Procurement Quantity ( <i>Units in Each</i> )	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Cost ( <i>\$ in Millions</i> )	1,457.881	-	-	-	82.590	82.590	-	-	-	-	-	1,540.471
Less PY Advance Procurement ( <i>\$ in Millions</i> )	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P-1) ( <i>\$ in Millions</i> )	1,457.881	-	-	-	82.590	82.590	-	-	-	-	-	1,540.471
Plus CY Advance Procurement ( <i>\$ in Millions</i> )	-	-	-	-	-	-	-	-	-	-	-	-
<b>Total Obligation Authority</b> ( <i>\$ in Millions</i> )	<b>1,457.881</b>	-	-	-	<b>82.590</b>	<b>82.590</b>	-	-	-	-	-	<b>1,540.471</b>

*(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:**

Base Expeditionary Targeting and Surveillance System - Combined (BETSS-C) consists of mobile and semi-fixed sensors providing targeting and surveillance, force protection, and counter Improvised Explosive Devices (IED) capabilities for 360 degree day and night coverage. This effort will provide modular and scalable sensor architecture of "plug and play" common components that can be tailored to meet mission specific requirements. The integrated "Family of Systems" will be comprised of existing sensor systems that combine to meet the aggregated requirements of stated needs from deployed forces.

This capability is a Quick Reaction Capability (QRC) program that includes: Rapid Aerostat Initial Deployment (RAID), Cerberus and Cerberus Lite-Scout, Force Protection Suite (FPS), Mid Range Thermal Imagers (MRTI), Integrated Base Defense System of Systems (IBDSoS), Rapid Deployment Integrated Surveillance System (RDISS), Standard Ground Surveillance (SGS), and ancillary equipment.

Secondary Distribution	FY 2015	FY 2016	FY 2017 Base	FY 2017 OCO	FY 2017 Total	FY 2018	FY 2019	FY 2020	FY 2021
Army	Quantity	-	-	-	-	-	-	-	-
	Total Obligation Authority	-	-	-	82.590	82.590	-	-	-
<b>Total:</b> Secondary Distribution	Quantity	-	-	-	-	-	-	-	-
	Total Obligation Authority	-	-	-	<b>82.590</b>	<b>82.590</b>	-	-	-

**Justification:**

There is no FY 2013 funding.

All funding is for the Active component.

Amendment Justification: This increase requests an additional \$82.590 million in Overseas Contingency Operations (OCO) funds to procure 87 Infrared technology sensors with contract support and 39 Persistent Surveillance System-Ground (PSS-G) in 3 variants above the PB 2017 Request. The sensors will be deployed to Operation Inherent Resolve and support Operational Needs Statements 16-21668 and 16-21614.

**UNCLASSIFIED**

<b>Exhibit P-40, Budget Line Item Justification:</b> Request for Additional Appropriations 2017 Army		<b>Date:</b> March 2017
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 2035A: Other Procurement, Army / BA 02: Communications and Electronics Equipment / BSA 86: Elect Equip - Tactical Surv. (Tac Surv)		<b>P-1 Line Item Number / Title:</b> BZ6501 / Base Expeditary Targeting and Surv Sys
<b>ID Code</b> (A=Service Ready, B=Not Service Ready): A	<b>Program Elements for Code B Items:</b> N/A	<b>Other Related Program Elements:</b> N/A
<b>Line Item MDAP/MAIS Code:</b> N/A		

**UNCLASSIFIED**

**Exhibit P-40, Budget Line Item Justification:** Request for Additional Appropriations 2017 Army **Date:** March 2017

<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 2035A: Other Procurement, Army / BA 02: Communications and Electronics Equipment / BSA 89: Elect Equip - Tactical C2 Systems	<b>P-1 Line Item Number / Title:</b> AD5070 / AIR & MSL Defense Planning & Control Sys
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<b>ID Code</b> (A=Service Ready, B=Not Service Ready):	<b>Program Elements for Code B Items:</b> N/A	<b>Other Related Program Elements:</b> 0604741A
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**Line Item MDAP/MAIS Code:** N/A

Resource Summary	Prior Years	FY 2015	FY 2016	FY 2017 Base	FY 2017 OCO	FY 2017 Total	FY 2018	FY 2019	FY 2020	FY 2021	To Complete	Total
Procurement Quantity ( <i>Units in Each</i> )	193	5	6	9	31	40	2	2	1	1	Continuing	Continuing
Gross/Weapon System Cost ( <i>\$ in Millions</i> )	768.039	27.374	28.176	56.581	69.958	126.539	17.005	17.960	6.366	6.951	Continuing	Continuing
Less PY Advance Procurement ( <i>\$ in Millions</i> )	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P-1) ( <i>\$ in Millions</i> )	768.039	27.374	28.176	56.581	69.958	126.539	17.005	17.960	6.366	6.951	Continuing	Continuing
Plus CY Advance Procurement ( <i>\$ in Millions</i> )	-	-	-	-	-	-	-	-	-	-	-	-
<b>Total Obligation Authority (<i>\$ in Millions</i>)</b>	<b>768.039</b>	<b>27.374</b>	<b>28.176</b>	<b>56.581</b>	<b>69.958</b>	<b>126.539</b>	<b>17.005</b>	<b>17.960</b>	<b>6.366</b>	<b>6.951</b>	<b>Continuing</b>	<b>Continuing</b>

*(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> )	3,979.477	5,474.800	4,696.000	6,286.778	2,256.710	3,163.475	8,502.500	8,980.000	6,366.000	6,951.000	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 2015	FY 2016	FY 2017 Base	FY 2017 OCO	FY 2017 Total	FY 2018	FY 2019	FY 2020	FY 2021
Army	1	1	3	31	34	2	2	1	1
Total Obligation Authority	6.045	6.170	19.421	69.958	89.379	16.005	16.860	5.266	6.951
ANG	3	3	6	-	6	-	-	-	-
Total Obligation Authority	15.886	13.110	37.160	-	37.160	1.000	1.100	1.100	-
AR	1	2	-	-	-	-	-	-	-
Total Obligation Authority	5.443	8.896	-	-	-	-	-	-	-
<b>Total:</b>	<b>5</b>	<b>6</b>	<b>9</b>	<b>31</b>	<b>40</b>	<b>2</b>	<b>2</b>	<b>1</b>	<b>1</b>

**UNCLASSIFIED**

**Exhibit P-40, Budget Line Item Justification:** Request for Additional Appropriations 2017 Army **Date:** March 2017

<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 2035A: Other Procurement, Army / BA 02: Communications and Electronics Equipment / BSA 89: Elect Equip - Tactical C2 Systems	<b>P-1 Line Item Number / Title:</b> AD5070 / AIR & MSL Defense Planning & Control Sys
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<b>ID Code</b> (A=Service Ready, B=Not Service Ready):	<b>Program Elements for Code B Items:</b> N/A	<b>Other Related Program Elements:</b> 0604741A
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**Line Item MDAP/MAIS Code:** N/A

Secondary Distribution		FY 2015	FY 2016	FY 2017 Base	FY 2017 OCO	FY 2017 Total	FY 2018	FY 2019	FY 2020	FY 2021
Secondary Distribution	Total Obligation Authority	27.374	28.176	56.581	69.958	126.539	17.005	17.960	6.366	6.951

**Justification:**  
 FY 2017 Base procurement dollars in the amount of \$54.376 million procures 1 AMDPCS-A and 2 AMDPCS-B shelters for 263rd AAMDC, 1 AMDPCS-A and 1 AMDPCS-B for 678th ADA Bde, 1 ADAM Cell for a Maneuver Enhancement Brigade (MEB), and 3 AMDPCS-B shelters for Test Detachment. The FY17 OCO includes \$69.958 million to support the COCOM requirement for unit equipment sets to deter potential adversaries and support the European Reassurance Initiatives. The procurements include 2 AMDPCS-B shelters, 9 Battery Command Post (CP) shelters, 18 Sensor Command and Control (C2) shelters and 2 ADSIs.

Amendment Justification: This increase requests an additional \$2.205 million to procure 147 Joint Tactical Terminals (JTTs) processor upgrade kits above the PB 2017 Request. These kits provide connectivity to the Integrated Ballistic System (IBS) to prevent Air Defense units from receiving Tactical (or Theater) Ballistic Missile (TBM) Launch Early Warning data enabling real-time situational awareness to support air, ground and maritime operations.

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-40, Budget Line Item Justification:** Request for Additional Appropriations 2017 Army **Date:** March 2017

<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 2035A: Other Procurement, Army / BA 02: Communications and Electronics Equipment / BSA 92: Elect Equip - Automation	<b>P-1 Line Item Number / Title:</b> BD3000 / Automated Data Processing Equip
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<b>ID Code</b> (A=Service Ready, B=Not Service Ready):	<b>Program Elements for Code B Items:</b> N/A	<b>Other Related Program Elements:</b> N/A
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**Line Item MDAP/MAIS Code:** N/A

Resource Summary	Prior Years	FY 2015	FY 2016	FY 2017 Base	FY 2017 OCO	FY 2017 Total	FY 2018	FY 2019	FY 2020	FY 2021	To Complete	Total
Procurement Quantity ( <i>Units in Each</i> )	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Cost ( <i>\$ in Millions</i> )	3,373.225	134.782	106.427	135.590	9.900	145.490	76.799	68.970	97.998	103.829	Continuing	Continuing
Less PY Advance Procurement ( <i>\$ in Millions</i> )	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P-1) ( <i>\$ in Millions</i> )	3,373.225	134.782	106.427	135.590	9.900	145.490	76.799	68.970	97.998	103.829	Continuing	Continuing
Plus CY Advance Procurement ( <i>\$ in Millions</i> )	-	-	-	-	-	-	-	-	-	-	-	-
<b>Total Obligation Authority (<i>\$ in Millions</i>)</b>	<b>3,373.225</b>	<b>134.782</b>	<b>106.427</b>	<b>135.590</b>	<b>9.900</b>	<b>145.490</b>	<b>76.799</b>	<b>68.970</b>	<b>97.998</b>	<b>103.829</b>	<b>Continuing</b>	<b>Continuing</b>

*(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:**

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.

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.

**ITA RESOURCES (B01002):**

**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. This is not a new start, beginning in FY 2017 PITI funds were realigned from Standard Study Number BE4161, HQ Management Information Systems, to B01002, ITA Resources, for more efficient, effective program management in accordance with the Information Technology Agency (ITA) transition to the Joint Information Technology Service Provider Pentagon.

**ARMY DATA CENTER CONSOLIDATION PROGRAM (ADCCP) (B33010):**

**UNCLASSIFIED**

<b>Exhibit P-40, Budget Line Item Justification:</b> Request for Additional Appropriations 2017 Army		<b>Date:</b> March 2017
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 2035A: Other Procurement, Army / BA 02: Communications and Electronics Equipment / BSA 92: Elect Equip - Automation		<b>P-1 Line Item Number / Title:</b> BD3000 / Automated Data Processing Equip
<b>ID Code</b> (A=Service Ready, B=Not Service Ready):	<b>Program Elements for Code B Items:</b> N/A	<b>Other Related Program Elements:</b> N/A
<b>Line Item MDAP/MAIS Code:</b> N/A		
<p>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. In 2016, funds were realigned from Standard Study Number B33010, Army Data Center Consolidation Program, to the Army Computing Infrastructure program in BE4162, MACOM Automation, for more efficient, effective program management.</p> <p>OPTICAL DIGITAL EQUIP (BD3956):          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 68,000 users, ARIMS provides the central capability for sharing information that documents the conduct of the Army's business, contingency and war-time operations, and ensures economy and efficiency in documenting Army policies, decisions, and operations. 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 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, 6.7 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 (SLP) (BD7000):          LOGISTICS TECHNOLOGY ASSESSMENT (LTA): LTA invests in innovative information technology solutions that improve Army logistics processes by reducing demand and/or creating logistics efficiencies. LTA procures GOTS/COTS products and integrates them in a field-based system of systems assessment environment for use and implementation planning. Solutions include mobile applications 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. 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 (BE4161):          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</p>		

**UNCLASSIFIED**

<b>Exhibit P-40, Budget Line Item Justification:</b> Request for Additional Appropriations 2017 Army		<b>Date:</b> March 2017
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 2035A: Other Procurement, Army / BA 02: Communications and Electronics Equipment / BSA 92: Elect Equip - Automation		<b>P-1 Line Item Number / Title:</b> BD3000 / Automated Data Processing Equip
<b>ID Code</b> (A=Service Ready, B=Not Service Ready):	<b>Program Elements for Code B Items:</b> N/A	<b>Other Related Program Elements:</b> N/A
<b>Line Item MDAP/MAIS Code:</b> N/A		
<p>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 (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>U.S. FORCES KOREA (USFK) HEADQUARTERS (HQ) Command, Control, Communications, Computers and Information Technology (C4IT): The USFK HQ C4IT network provides the end user computing and application environments for USFK. It supports users at Yongsan, Camp Humphreys, and other sites on peninsula, with both classified and unclassified computing capabilities for US and alliance forces. 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. These networks support US and Alliance planning and C4 tools such as Theater Operational Planning Assessment System (TOPAS) and Theater Effects Base Operations (TEBO). These tools provide vital support to the theater's battle Command and Control capabilities by projecting and evaluating effects of Theater Operations in order to shape strategy, battle plans, and contingency operations on peninsula. Tools provide advanced concept technology demonstration as well as communications, computing and intelligence capabilities, tailored to peninsula operational requirements. Network infrastructure supports capabilities 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>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>3RD ARMY VIDEO TELECONFERENCE (VTC)/VOICE CROSS DOMAIN AND VTC BRIDGE: Provides VTC capability in support of 3rd Army Operation Inherent Resolve (OIR) operations. System will provide theater-specific equipment consisting of a VTC Cross Domain capability that will provide highly reliable, secure video and VTC capabilities for US and Coalition Partner Nation commanders and senior leaders for the Combined Joint Task Force (CJTF)-OIR. The intent is to link multiple classified enclaves and/or sites into one VTC Session to support, in real time, the CJTF's operational needs and enhance Mission Command with a Voice and Video Cross Domain Solution (V2CDS). System provides a bridge solution or Multi-point Control Unit (MCU) capable of, at minimum, 100 endpoints. It also modernizes 30 existing VTC suites in the CJTF staff directorates to be compatible with new system for optimal VTC service and performance.</p>		

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MACOM AUTOMATION SYSTEMS (BE4162):  
 ARMY COMPUTING INFRASTRUCTURE (ACI): The ACI resources equipment that provides for Joint Information Environment (JIE)-defined Installation Service Nodes (ISNs) at Army installations in the Continental United States (CONUS) and Outside Continental United States (OCONUS). The infrastructure that ACI procures is comprised of the Network Operations tools, ancillary equipment, and software vital to standardizing, managing, maintaining, and securing local ISNs and networks in a Common Operating Environment. This program supports the ongoing Army Data Center Consolidation Program (ADCCP), which is an approved data center/Information Technology (IT) inventory reduction and standardization program sanctioned by Army governance bodies in accordance with Federal and DoD CIO guidelines. The ACI also supports the Army Home Station Mission Command Center (HSMCC) initiative to ensure that Corps, Division, and theater-level Army headquarters have the appropriate and secure Video Conferencing (VTC) equipment to conduct Mission Command (MC) during all phases of operations. It leverages available network assets while preserving expensive satellite air time during periods of normal home-station operations and advances the level of service for vital Command and Control (C2) video communications. In addition, these enduring MC centers require common, standardized, and fixed operational capabilities that enable reach back and forward support, tactical MC suite availability, coalition communications, training, logistics, and lifecycle support.

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; it 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 is a secure data network and a federation of proven constructive and virtual simulations that provide a persistent, coherent, and integrated synthetic experimentation environment. It 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.

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, integrate 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.

ARMY TRAINING INFORMATION ARCHITECTURE (ATIA): 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. It is used by over 480,000 Active, Guard, and Reserve Soldiers and trainers in residence and is available to deployed Soldiers via distance learning.

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 ANV 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.

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<b>ID Code</b> (A=Service Ready, B=Not Service Ready):	<b>Program Elements for Code B Items:</b> N/A	<b>Other Related Program Elements:</b> N/A
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<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): The AFRICOM HQ ADPE provides the end user computing services and application environments for AFRICOM. It supports users at Kelly Barracks, Germany, and Molesworth, United Kingdom, with both classified and unclassified computing capabilities as well as the hardware supporting these services within the various AFRICOM offices. The systems and services include cyber protection and physical security measures to further automate infrastructure scanning and patching to identify security vulnerabilities, investigate security incidents, and take corrective actions. It provides unified communications servers integrating voice, teleconferencing, video teleconferencing, collaboration, and messaging services to enhance mission success throughout the area of operation. The video infrastructure supports increasing requirements for high definition video. It provides centralized management and control of physical and virtual servers to enhance computing capabilities and reduce the physical footprint of the hardware infrastructure that supports directory, file, and print services; web servers processing; storage and switching; data replication for Continuity of Operations Planning (COOP); and data recovery.</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 commander's tool to communicate in a virtual Family Readiness Group.</p> <p>THE JUDGE ADVOCATE GENERAL'S LEGAL CENTER AND SCHOOL (TJAGLCS) INFRASTRUCTURE: The Judge Advocate General's Legal Center &amp; School (TJAGLCS) trains over 6,000 students annually. The existing visual information systems in the Decker Auditorium is over 25 years old and at high risk for system failure. The outdated technology severely impedes the instructional capabilities of TJAGLCS's staff and faculty in both resident and Distributed Learning courses. The new system will replace outdated analog equipment with more reliable digital equipment in Decker Auditorium and classrooms.</p> <p>COMBINED OPERATIONS AND INTELLIGENCE CENTER (COIC) WALL ENGINE REPLACEMENT. The COIC wall supports Operation Inherent Resolve (OIR) 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 (BE4164): 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 USMEPCOM 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,</p>		

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<p>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/deploys 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 remains 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> <p>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.</p> <p>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.</p> <p>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. In 2016, USMA IT funds were 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 (BE4175):</p> <p>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. 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<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 2035A: Other Procurement, Army / BA 02: Communications and Electronics Equipment / BSA 92: Elect Equip - Automation	<b>P-1 Line Item Number / Title:</b> BD3000 / Automated Data Processing Equip
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<b>Secondary Distribution</b>		<b>FY 2015</b>	<b>FY 2016</b>	<b>FY 2017 Base</b>	<b>FY 2017 OCO</b>	<b>FY 2017 Total</b>	<b>FY 2018</b>	<b>FY 2019</b>	<b>FY 2020</b>	<b>FY 2021</b>
Army	Quantity	-	-	-	-	-	-	-	-	-
	Total Obligation Authority	134.782	106.427	135.590	9.900	145.490	76.799	68.970	97.998	103.829
<b>Total: Secondary Distribution</b>	Quantity	-	-	-	-	-	-	-	-	-
	<b>Total Obligation Authority</b>	<b>134.782</b>	<b>106.427</b>	<b>135.590</b>	<b>9.900</b>	<b>145.490</b>	<b>76.799</b>	<b>68.970</b>	<b>97.998</b>	<b>103.829</b>

**Justification:**  
**ITA RESOURCES (B01002):**  
 FY 2017 Base procurement dollars in the amount of \$41.219 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. This is not a new start, beginning in FY 2017 PITI funds were realigned from Standard Study Number BE4161, HQ Management Information Systems, to B01002, ITA Resources, for more efficient, effective program management in accordance with the Information Technology Agency (ITA) transition to the Joint Information Technology Service Provider Pentagon.

**ARMY DATA CENTER CONSOLIDATION PROGRAM (ADCCP) (B33010):**  
 FY 2017 ADCCP has no Base or OCO procurement request.

**OPTICAL DIGITAL EQUIP (BD3956):**  
 FY 2017 Base procurement dollars in the amount of \$1.354 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 2017 Base procurement dollars in the amount of \$0.749 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 (SLP) (BD7000):**  
 FY 2017 Base procurement dollars in the amount of \$0.992 million support LTA COTS/GOTS solutions that can be leveraged to create logistics efficiencies and reduce demand. These assets will be deployed at operationally relevant assessment environments 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 Army standard networks. FY17 funds will enable LTA to meet the objectives of the Deputy Chief

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<b>ID Code</b> (A=Service Ready, B=Not Service Ready):	<b>Program Elements for Code B Items:</b> N/A	<b>Other Related Program Elements:</b> N/A
<b>Line Item MDAP/MAIS Code:</b> N/A		
<p>of Staff G-4 to establish a connected logistics enterprise and establishes an enduring "sense and respond" logistics environment to identify opportunities to reduce Soldier touch points and decrease logistics demand through the integration of existing technologies.</p> <p>HQ MANAGEMENT INFORMATION SYSTEMS (BE4161):  FY 2017 Base procurement dollars in the amount of \$2.479 million support HQDA ADPE replacement of aged Video Teleconferencing (VTC) systems. The VTC systems include high definition monitors, cameras, integrated microphones, and Internet Protocol-based connectivity. Overall, Total Cost of Ownership (TCO) will be lowered for the Pentagon's Videoconferencing system. 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.</p> <p>FY 2017 PITI IT funds were realigned from Standard Study Number BE4161, HQ Management Information Systems, to B01002, ITA Resources, for more efficient, effective program management.</p> <p>FY 2017 Base procurement dollars in the amount of \$7.687 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 2017 Base procurement dollars in the amount of \$1.490 million support USFK HQ C4IT network requirements including Lifecycle Replacement of critical network support equipment (servers, switches, routers, etc.) for Theater Mission Command networks supporting the alliance.</p> <p>FY 2017 LAAWS has no Base or OCO procurement request.</p> <p>FY 2017 OCO procurement dollars in the amount of \$9.900 million procures VTC and MCU equipment to support a minimum of 100 endpoints and modernize 30 VTC suites at the CJTF.</p> <p>MACOM AUTOMATION SYSTEMS (BE4162):  FY 2017 Base procurement dollars in the amount of \$18.567 million supports ACI procurement of Network Operations tools, ancillary equipment, and software required to achieve a common operating environment for Army ISNs. It also provides network management, security hardware/software, servers, VTC equipment, and display systems needed for C2 oversight of deployed formations for four HSMCC implementations.  FY2017 Base procurement dollars in the amount of \$1.439 million support the BLCSE with routers, switches and video teleconferencing IT equipment.</p> <p>FY2017 Base procurement dollars in the amount of \$1.140 million support TIABCSTB infrastructure and control tools including servers, virtualization hardware, switches, and blade server kits.</p> <p>FY2017 Base procurement dollars in the amount of \$0.771 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>FY2017 Base procurement dollars in the amount of \$1.112 million support ANV with network equipment including servers, routers, switches, firewalls, Storage Area Network (SAN), and fiber optic cable.</p> <p>FY2017 ALTESS has no Base or OCO procurement request.</p> <p>FY 2017 Base procurement dollars in the amount of \$4.369 million support AFRICOM ADPE network devices, storage, computer hardware, and power supplies. It also procures Ethernet switches, servers (database, application, and/or web), and computing capabilities.</p> <p>FY2017 Base procurement dollars in the amount of \$0.408 million support AOS hardware procurements.</p>		



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<b>Exhibit P-40, Budget Line Item Justification:</b> Request for Additional Appropriations 2017 Army		<b>Date:</b> March 2017
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 2035A: Other Procurement, Army / BA 02: Communications and Electronics Equipment / BSA 92: Elect Equip - Automation		<b>P-1 Line Item Number / Title:</b> BD3000 / Automated Data Processing Equip
<b>ID Code</b> (A=Service Ready, B=Not Service Ready):	<b>Program Elements for Code B Items:</b> N/A	<b>Other Related Program Elements:</b> N/A
<b>Line Item MDAP/MAIS Code:</b> N/A		
<p>FY2017 Base procurement dollars in the amount of \$1.991 million support TJAGLCS infrastructure with replacement of visual information systems in the Decker Auditorium and classrooms. Funds enable life cycle replacement (LCR) of legacy analog videotape production equipment with modern digital video server-based systems. Procurements will replace old analog video cameras, production equipment, and projector displays with new digital camera systems and modular direct view OLED digital video displays (video walls).</p> <p>FY2017 COIC has no Base or OCO procurement request.</p> <p>PERSONNEL AUTOMATION SYSTEMS (BE4164): FY 2017 Base procurement dollars in the amount of 3.223 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 2017 Base procurement dollars in the amount of \$12.858 million support USMIRS lifecycle of applicant testing workstations, servers, network, backup/recovery, storage, telephony equipment, disaster recovery, 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. Approximately \$6 million will procure hardware and software required to establish a Continuity of Operations capability for MIRS and its associated applicant processing applications.</p> <p>FY 2017 ACCHR has no Base or OCO procurement request.</p> <p>FY 2017 Base procurement dollars in the amount of \$3.251 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 2017 KEYSTONE has no Base or OCO procurement request.</p> <p>FY 2017 USMA IT has no Base or OCO procurement request. Funds were realigned from Standard Study Number BE4164, Personnel Automation Systems, to BE4175, Personnel Automation Systems-West Point, in 2016 for more efficient, effective program management.</p> <p>PERSONNEL AUTOMATION SYSTEMS - WEST POINT (BE4175)</p> <p>FY 2017 Base procurement dollars in the amount of \$2.861 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); Academy Management System (AMS) Modernization - Phase I, Assessment of System and Critical Mission Functions; Distributed Antenna System (DAS) Phase III; Campus Wireless Expansion; Internet Content Filtering/Management System; Continuity of Operations Planning (COOP) services and storage; and the Defense Research and Engineering Network (DREN) network infrastructure.</p> <p>Amendment Justification: This increase requests an additional \$27.630 million to procure command and control hardware systems and installation at 6 CONUS installations above the PB 2017 Request. These systems will provide the Division and Corps Operational Commander distributed near real time Command and Control (C2) and Situational Awareness (SA) connectivity with the forward tactical edge, while in home station, allowing a continual operational presence both before, during and after operational deployment and mission operations. Systems will be installed at Forts Bliss, Bragg, Drum, Hood, Lewis and to the Army National Guard's 28th Infantry Division.</p>		