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

February 2015



Army

Justification Book of

Other Procurement, Army

Other Support Equipment/Spares, Budget Activity 3/4

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

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Appropriation: 2035A Other Procurement, Army

Line No	Item Nomenclature	Ident Code	FY 2014 (Base & OCO)		FY 2015 Base Enacted		FY 2015 OCO Enacted		FY 2015 Total Enacted		S e c
			Quantity	Cost	Quantity	Cost	Quantity	Cost	Quantity	Cost	
Budget Activity 03: Other Support Equipment											
Chemical Defensive Equipment											
110	Protective Systems	A									U
111	Family of Non-Lethal Equipment (FNLE)	A				937				937	U
112	Base Defense Systems (BDS)	A		7,200		1,930				1,930	U
113	CBRN Defense	A		22,151		17,468				17,468	U
Bridging Equipment											
114	Tactical Bridging			8,188							U
115	Tactical Bridge, Float-Ribbon			23,101		5,442				5,442	U
116	Bridge Supplemental Set	A									U
117	Common Bridge Transporter (CBT) Recap	A		4,756		11,013				11,013	U
Engineer (Non-Construction) Equipment											
118	Grnd Standoff Mine Detectn Systm (GSTAMIDS)					37,649				37,649	U
119	HUSKY MOUNTED DETECTION SYSTEM (HMDS)	A				18,545				18,545	U
120	Robotic Combat Support System (RCSS)			6,490		4,701				4,701	U
121	EOD Robotics Systems Recapitalization	A		1,563		6,346				6,346	U
122	Explosive Ordnance Disposal Eqpmt (EOD EQPMT)			20,467		15,856				15,856	U
123	Remote Demolition Systems	A		100		4,485				4,485	U

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			Quantity	Cost	Quantity	Cost	Quantity	Cost	
Budget Activity 03: Other Support Equipment									
Chemical Defensive Equipment									
110	Protective Systems	A		248				248	U
111	Family of Non-Lethal Equipment (FNLE)	A		1,487				1,487	U
112	Base Defense Systems (BDS)	A				4,035		4,035	U
113	CBRN Defense	A		26,302				26,302	U
Bridging Equipment									
114	Tactical Bridging			9,822				9,822	U
115	Tactical Bridge, Float-Ribbon			21,516				21,516	U
116	Bridge Supplemental Set	A		4,959				4,959	U
117	Common Bridge Transporter (CBT) Recap	A		52,546				52,546	U
Engineer (Non-Construction) Equipment									
118	Grnd Standoff Mine Detectn Systm (GSTAMIDS)			58,682				58,682	U
119	HUSKY MOUNTED DETECTION SYSTEM (HMDS)	A		13,565				13,565	U
120	Robotic Combat Support System (RCSS)			2,136				2,136	U
121	EOD Robotics Systems Recapitalization	A		6,960				6,960	U
122	Explosive Ordnance Disposal Eqpmt (EOD EQPMT)			17,424				17,424	U
123	Remote Demolition Systems	A		8,284				8,284	U

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			Quantity	Cost	Quantity	Cost	Quantity	Cost	Quantity	Cost	
124	< \$5m, Countermining Equipment	A		2,725		2,938				2,938	U
125	Family of Boats and Motors Combat Service Support Equipment	A									U
126	Heaters and ECU'S	A		6,269		9,235				9,235	U
127	Laundries, Showers And Latrines			200							U
128	Soldier Enhancement					1,677				1,677	U
129	Personnel Recovery Support System (PRSS)	A		23,632		10,728				10,728	U
130	Ground Soldier System	A	3483	54,428	4878	71,761			4878	71,761	U
131	Mobile Soldier Power	A									U
132	Force Provider	A	3	51,654				51,500		51,500	U
133	Field Feeding Equipment			28,799		15,179				15,179	U
134	Cargo Aerial Del & Personnel Parachute System			44,677		28,194		2,580		30,774	U
135	Mortuary Affairs Systems	A		3,242							U
136	Family of Engr Combat and Construction Sets	A		38,141		41,967				41,967	U
137	Items Less Than \$5M (Eng Spt)	A		5,859		20,090				20,090	U
	Petroleum Equipment										
138	Quality Surveillance Equipment	A				1,435				1,435	U
139	Distribution Systems, Petroleum & Water			42,288		40,692				40,692	U
	Medical Equipment										
140	Combat Support Medical			52,233		46,957				46,957	U

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Line No	Item Nomenclature	Ident Code	FY 2016 Base		FY 2016 OCO		FY 2016 Total		S e c
			Quantity	Cost	Quantity	Cost	Quantity	Cost	
124	< \$5m, Countermining Equipment	A		5,459				5,459	U
125	Family of Boats and Motors	A		8,429				8,429	U
	Combat Service Support Equipment								
126	Heaters and ECU'S	A		18,876				18,876	U
127	Laundries, Showers And Latrines								U
128	Soldier Enhancement			2,287				2,287	U
129	Personnel Recovery Support System (PRSS)	A		7,733				7,733	U
130	Ground Soldier System	A	3016	49,798			3016	49,798	U
131	Mobile Soldier Power	A		43,639				43,639	U
132	Force Provider	A			12	53,800	12	53,800	U
133	Field Feeding Equipment			13,118				13,118	U
134	Cargo Aerial Del & Personnel Parachute System			28,278		700		28,978	U
135	Mortuary Affairs Systems	A							U
136	Family of Engr Combat and Construction Sets	A		34,544				34,544	U
137	Items Less Than \$5M (Eng Spt)	A		595				595	U
	Petroleum Equipment								
138	Quality Surveillance Equipment	A		5,368				5,368	U
139	Distribution Systems, Petroleum & Water			35,381				35,381	U
	Medical Equipment								
140	Combat Support Medical			73,828				73,828	U

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			Quantity	Cost	Quantity	Cost	Quantity	Cost	Quantity	Cost	
Maintenance Equipment											
141	Mobile Maintenance Equipment Systems	A		12,177		23,758				23,758	U
142	Items Less Than \$5.0M (Maint Eq)	A		3,860		2,789				2,789	U
Construction Equipment											
143	Grader, Road Mtzd, Hvy, 6x4 (CCE)	A	7	2,000		5,827				5,827	U
144	Scrapers, Earthmoving	A	58	36,078		14,926				14,926	U
145	Compactor	A				4,348				4,348	U
146	Hydraulic Excavator	B	25	17,001		4,938				4,938	U
147	Tractor, Full Tracked	A		28,828		34,071				34,071	U
148	All Terrain Cranes	A		2,613		4,938				4,938	U
149	Plant, Asphalt Mixing					667				667	U
150	High Mobility Engineer Excavator (HMEE)	A		21,465							U
151	Enhanced Rapid Airfield Construction Capap	B		5,000		14,924				14,924	U
152	Family of Diver Support Equipment	A									U
153	Const Equip Esp			16,088		15,933				15,933	U
154	Items Less Than \$5.0M (Const Equip)	A		6,850		6,749				6,749	U
Rail Float Containerization Equipment											
155	Army Watercraft Esp	A				3,509				3,509	U
156	Items Less Than \$5.0M (Float/Rail)	A		8,437		2,166				2,166	U
Generators											
157	Generators and Associated Equip	A		40,129		115,190				115,190	U

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Line No	Item Nomenclature	Ident Code	FY 2016 Base		FY 2016 OCO		FY 2016 Total		S e c
			Quantity	Cost	Quantity	Cost	Quantity	Cost	
Maintenance Equipment									
141	Mobile Maintenance Equipment Systems	A		25,270				25,270	U
142	Items Less Than \$5.0M (Maint Eq)	A		2,760				2,760	U
Construction Equipment									
143	Grader, Road Mtzd, Hvy, 6x4 (CCE)	A		5,903				5,903	U
144	Scrapers, Earthmoving	A		26,125				26,125	U
145	Compactor	A							U
146	Hydraulic Excavator	B							U
147	Tractor, Full Tracked	A		27,156				27,156	U
148	All Terrain Cranes	A		16,750				16,750	U
149	Plant, Asphalt Mixing			984				984	U
150	High Mobility Engineer Excavator (HMER)	A		2,656				2,656	U
151	Enhanced Rapid Airfield Construction Capap	B		2,531				2,531	U
152	Family of Diver Support Equipment	A		446				446	U
153	Const Equip Esp			19,640				19,640	U
154	Items Less Than \$5.0M (Const Equip)	A		5,087				5,087	U
Rail Float Containerization Equipment									
155	Army Watercraft Esp	A		39,772				39,772	U
156	Items Less Than \$5.0M (Float/Rail)	A		5,835				5,835	U
Generators									
157	Generators and Associated Equip	A		166,356				166,356	U

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			Quantity	Cost	Quantity	Cost	Quantity	Cost	Quantity	Cost	
158	Tactical Electric Power Recapitalization Material Handling Equipment	A									U
159	Rough Terrain Container Handler (RTCH)	A		1,250							U
160	Family of Forklifts Training Equipment	A		8,377		14,327				14,327	U
161	Combat Training Centers Support			121,710		65,062				65,062	U
162	Training Devices, Nonsystem			215,428		106,295				106,295	U
163	Close Combat Tactical Trainer	A		33,197		13,406				13,406	U
164	Aviation Combined Arms Tactical Trainer			34,913		10,040				10,040	U
165	Gaming Technology In Support of Army Training Test Measure and Dig Equipment (TMD)			9,955		10,165				10,165	U
166	Calibration Sets Equipment			5,244		5,726				5,726	U
167	Integrated Family of Test Equipment (IFTE)			42,460		37,482				37,482	U
168	Test Equipment Modernization (TEMOD) Other Support Equipment			17,881		13,061				13,061	U
169	M25 STABILIZED BINOCULAR	A		5,110							U
170	Rapid Equipping Soldier Support Equipment	A		25,000		2,380		20,000		22,380	U
171	Physical Security Systems (OPAS)	A		47,055		30,686				30,686	U
172	Base Level Common Equipment			1,427		1,008				1,008	U
173	Modification of In-Svc Equipment (OPA-3)			69,037		98,559				98,559	U
174	Production Base Support (OTH)			177		1,697				1,697	U

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Line No	Item Nomenclature	Ident Code	FY 2016 Base		FY 2016 OCO		FY 2016 Total		S e c
			Quantity	Cost	Quantity	Cost	Quantity	Cost	
158	Tactical Electric Power Recapitalization Material Handling Equipment	A		11,505			11,505		U
159	Rough Terrain Container Handler (RTCH)	A							U
160	Family of Forklifts Training Equipment	A		17,496		10,486	27,982		U
161	Combat Training Centers Support			74,916			74,916		U
162	Training Devices, Nonsystem			303,236			303,236		U
163	Close Combat Tactical Trainer	A		45,210			45,210		U
164	Aviation Combined Arms Tactical Trainer			30,068			30,068		U
165	Gaming Technology In Support of Army Training Test Measure and Dig Equipment (TMD)			9,793			9,793		U
166	Calibration Sets Equipment			4,650			4,650		U
167	Integrated Family of Test Equipment (IFTE)			34,487			34,487		U
168	Test Equipment Modernization (TEMOD) Other Support Equipment			11,083			11,083		U
169	M25 STABILIZED BINOCULAR	A							U
170	Rapid Equipping Soldier Support Equipment	A		17,937		8,500	26,437		U
171	Physical Security Systems (OPA3)	A		52,040			52,040		U
172	Base Level Common Equipment			1,568			1,568		U
173	Modification of In-Svc Equipment (OPA-3)			64,219			64,219		U
174	Production Base Support (OTH)			1,525			1,525		U

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			Quantity	Cost	Quantity	Cost	Quantity	Cost	Quantity	Cost	
175	Special Equipment for User Testing			9,854		25,394				25,394	U
176	AMC Critical Items OPA3	A				12,975				12,975	U
177	Tractor Yard			8,000							U
Total Other Support Equipment				1,304,764		1,118,221		74,080		1,192,301	
Budget Activity 04: Spare and Repair Parts											

OPA2											
178	Initial Spares - C&E			29,700		36,032				36,032	U
Total Spare and Repair Parts				29,700		36,032				36,032	
Total Other Procurement, Army				5,846,344		4,747,523		773,583		5,521,106	

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Line No	Item Nomenclature	Ident Code	FY 2016 Base		FY 2016 OCO		FY 2016 Total		S e c
			Quantity	Cost	Quantity	Cost	Quantity	Cost	
175	Special Equipment for User Testing			3,268				3,268	U
176	AMC Critical Items OPA3	A							U
177	Tractor Yard			7,191				7,191	U
Total Other Support Equipment				1,588,727		77,521		1,666,248	
Budget Activity 04: Spare and Repair Parts									

OPA2									
178	Initial Spares - C&E			48,511				48,511	U
Total Spare and Repair Parts				48,511				48,511	
Total Other Procurement, Army				5,899,028		1,205,596		7,104,624	

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128	03	25	G01101	Personnel Recovery Support System (PRSS).....	144
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133	03	25	MA7804	Cargo Aerial Del & Personnel Parachute Systems.....	188
134	03	25	R16500	Mortuary Affairs Systems.....	203
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147	03	50	R06701	All Terrain Cranes.....	319
148	03	50	M08100	Plant, Asphalt Mixing.....	325
149	03	50	R05901	High Mobility Engineer Excavator (HMEE).....	327
150	03	50	R07001	Enhanced Rapid Airfield Construction Capap.....	336
151	03	50	R07005	Family of Diver Support Equipment.....	346
152	03	50	M05500	Const Equip ESP.....	349
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Aviation Combined Arms Tactical Trainer	NA0173	163	03	70.....	494
BRIDGE SUPPLEMENTAL SET	G06520	115	03	15.....	52
Base Defense Systems (BDS)	M90101	111	03	10.....	13
Base Level Common Equipment	MB7000	171	03	90.....	563
CBRN Defense	M01001	112	03	10.....	20
Calibration Sets Equipment	N10000	165	03	80.....	506
Cargo Aerial Del & Personnel Parachute Systems	MA7804	133	03	25.....	188
Close Combat Tactical Trainer	NA0170	162	03	70.....	486
Combat Support Medical	MN1000	139	03	40.....	258
Combat Training Centers Support	MA6600	160	03	70.....	439
Common Bridge Transporter (CBT) Recap	G07000	116	03	15.....	54
Compactor	X02300	144	03	50.....	304
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Family of Boats and Motors	R12001	124	03	20.....	126
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Gaming Technology In Support of Army Training	NA0176	164	03	70.....	501
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Grnd Standoff Mine Detectn Systm (GSTAMIDS)	R68400	117	03	20.....	62
Ground Soldier System	R80501	129	03	25.....	152
HUSKY MOUNTED DETECTION SYSTEM (HMDS)	R64001	118	03	20.....	70
Heaters and ECU's	MF9000	125	03	25.....	129
High Mobility Engineer Excavator (HMEE)	R05901	149	03	50.....	327
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Line Item Title	Line Item Number	Line #	BA	BSA	Page
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LAUNDRIES, SHOWERS AND LATRINES	M82700	126	03	25.....	138
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Modification Of In-Svc Equipment (OPA-3)	MA4500	172	03	90.....	565
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Remote Demolition Systems	M60001	122	03	20.....	106
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Line Item Title	Line Item Number	Line #	BA	BSA	Page
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Scrapers, Earthmoving	RA0100	143	03	50.....	299
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Exhibit P-40, Budget Line Item Justification: PB 2016 Army **Date:** February 2015

Appropriation / Budget Activity / Budget Sub Activity: 2035A: Other Procurement, Army / BA 03: Other Support Equipment / BSA 10: Chemical Defensive Equipment	P-1 Line Item Number / Title: W01103 / Protective Systems
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ID Code (A=Service Ready, B=Not Service Ready) :	Program Elements for Code B Items:	Other Related Program Elements:
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Resource Summary	Prior Years	FY 2014	FY 2015	FY 2016 Base	FY 2016 OCO	FY 2016 Total	FY 2017	FY 2018	FY 2019	FY 2020	To Complete	Total
Procurement Quantity <i>(Units in Each)</i>	-	-	-	-	-	-	12,715	10,154	10,756	-	-	33,625
Gross/Weapon System Cost <i>(\$ in Millions)</i>	69.629	-	-	0.248	-	0.248	1.761	1.647	1.707	-	-	74.992
Less PY Advance Procurement <i>(\$ in Millions)</i>	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P1) <i>(\$ in Millions)</i>	69.629	-	-	0.248	-	0.248	1.761	1.647	1.707	-	-	74.992
Plus CY Advance Procurement <i>(\$ in Millions)</i>	-	-	-	-	-	-	-	-	-	-	-	-
Total Obligation Authority <i>(\$ in Millions)</i>	69.629	-	-	0.248	-	0.248	1.761	1.647	1.707	-	-	74.992

(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>	-	-	-	31.000	-	31.000	0.138	0.162	0.159	-	-	2.230

Description:

Protective Systems includes Kits for Evidence Collection and Detainee processing (KECDP). KECDP will support Military Police conducting detainee processing at the point of capture during offensive, defensive, stability, or civil support operations. As a result of operational need, units conducting detainee capture and processing have developed numerous ad hoc kits that lack standardization and sufficient items of quantity and quality to hold or prosecute captured personnel associated with criminal, insurgency and terrorist activities. The current Prisoner of War (POW) Kit does not contain any of the equipment used in modern detainee operations at the point of capture. Units are placed in a position through changing policies and regulations to purchase items not funded through operational funds for point of capture detainee processing. The current kits are not effective or safe for the Service Member or those detained and has resulted in improperly attained or mishandled processing of evidence found at the point of capture which has resulted in the releasing of persons that continue to engage in insurgent activities leading to injury and death of U.S. and Coalition Forces. KECDP Estimated Army Acquisition Objective (AAO): Individual Point of Capture Kit (IPOCK) 22,589; Leaders Point of Capture Kit (LPOCK) 1,973; Team Evidence Collection Kit (TECK); 8,339 Platoon Evidence Collection Kit (PECK)760

FY13-17 BAIS funding has been moved to Base Defense Systems (M90202).

Secondary Distribution	FY 2014	FY 2015	FY 2016 Base	FY 2016 OCO	FY 2016 Total	FY 2017	FY 2018	FY 2019	FY 2020	
Army	Quantity	-	-	8	-	8	4,365	3,494	3,699	-
	Total Obligation Authority	-	-	0.248	-	0.248	0.630	0.600	0.620	-
ANG	Quantity	-	-	-	-	-	6,170	4,919	5,212	-
	Total Obligation Authority	-	-	-	-	-	0.844	0.784	0.814	-
AR	Quantity	-	-	-	-	-	2,180	1,741	1,845	-
	Total Obligation Authority	-	-	-	-	-	0.287	0.263	0.273	-

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

Appropriation / Budget Activity / Budget Sub Activity: 2035A: Other Procurement, Army / BA 03: Other Support Equipment / BSA 10: Chemical Defensive Equipment	P-1 Line Item Number / Title: W01103 / Protective Systems
--	---

ID Code (A=Service Ready, B=Not Service Ready) :		Program Elements for Code B Items:				Other Related Program Elements:				
Secondary Distribution		FY 2014	FY 2015	FY 2016 Base	FY 2016 OCO	FY 2016 Total	FY 2017	FY 2018	FY 2019	FY 2020
Total:	Quantity	-	-	8	-	8	12,715	10,154	10,756	-
Secondary Distribution	Total Obligation Authority	-	-	0.248	-	0.248	1.761	1.647	1.707	-

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

Appropriation / Budget Activity / Budget Sub Activity: 2035A: Other Procurement, Army / BA 03: Other Support Equipment / BSA 10: Chemical Defensive Equipment	P-1 Line Item Number / Title: W01103 / Protective Systems
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ID Code (A=Service Ready, B=Not Service Ready) :			Program Elements for Code B Items:			Other Related Program Elements:		
Exhibits Schedule			Prior Years	FY 2014	FY 2015	FY 2016 Base	FY 2016 OCO	FY 2016 Total
Title*	Exhibits	ID CD	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)
G30115 / Kits for Evid Collection and Detainee Proc (KECDP)	P-40a		- / -	- / -	- / -	8 / 0.248	- / -	8 / 0.248
Total Gross/Weapon System Cost			- / 69.629	- / -	- / -	- / 0.248	- / -	- / 0.248

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

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

Justification:
 FY16 Base procurement funding in the amount of \$.248 million supports market research and assists in start up of production efforts. KECDP kits will give our forces modernized and standardized evidence collection capability supporting the Military Police disciplines (Security and Mobility Support, Police Operations, & Detention Operations) and intelligence collection processes.

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

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Exhibit P-40a, Budget Item Justification For Aggregated Items: PB 2016 Army															Date: February 2015				
Appropriation / Budget Activity / Budget Sub Activity: 2035A / 03 / 10						P-1 Line Item Number / Title: W01103 / Protective Systems						Aggregated Items Title: Various							

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

Item Number / Title [DODIC]	ID CD	MDAP/MAIS Code	Prior Years			FY 2014			FY 2015			FY 2016 Base			FY 2016 OCO			FY 2016 Total		
			Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)
Kits for Evid Collection and Detainee Proc (KECDP)																				
G30115 / Kits for Evid Collection and Detainee Proc (KECDP)			-	-	-	-	-	-	-	-	-	31.000	8	0.248	-	-	-	31.000	8	0.248
<i>Secondary Distribution</i>																				
Army				-	-		-	-		-	-		8	0.248		-	-		8	0.248
ANG				-	-		-	-		-	-		-	-		-	-		-	-
AR				-	-		-	-		-	-		-	-		-	-		-	-
<i>Subtotal: Kits for Evid Collection and Detainee Proc (KECDP)</i>			-	-	-	-	-	-	-	-	-	-	-	0.248	-	-	-	-	-	0.248
Total			-	-	-	-	-	-	-	-	-	-	-	0.248	-	-	-	-	-	0.248

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

Appropriation / Budget Activity / Budget Sub Activity: 2035A: Other Procurement, Army / BA 03: Other Support Equipment / BSA 10: Chemical Defensive Equipment	P-1 Line Item Number / Title: M11205 / Family Of Non-Lethal Equipment (FNLE)
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Resource Summary	Prior Years	Program Elements for Code B Items:					Other Related Program Elements:					
		FY 2014	FY 2015	FY 2016 Base	FY 2016 OCO	FY 2016 Total	FY 2017	FY 2018	FY 2019	FY 2020	To Complete	Total
Procurement Quantity (Units in Each)	-	-	-	14	-	14	301	182	888	1,024	Continuing	Continuing
Gross/Weapon System Cost (\$ in Millions)	2.972	-	0.937	1.487	-	1.487	7.732	6.741	15.859	16.850	Continuing	Continuing
Less PY Advance Procurement (\$ in Millions)	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P1) (\$ in Millions)	2.972	-	0.937	1.487	-	1.487	7.732	6.741	15.859	16.850	Continuing	Continuing
Plus CY Advance Procurement (\$ in Millions)	-	-	-	-	-	-	-	-	-	-	-	-
Total Obligation Authority (\$ in Millions)	2.972	-	0.937	1.487	-	1.487	7.732	6.741	15.859	16.850	Continuing	Continuing

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

Initial Spares (\$ in Millions)	-	-	-	-	-	-	-	-	-	-	-	-
Flyaway Unit Cost (\$ in Thousands)	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Unit Cost (\$ in Thousands)	-	-	-	106.214	-	106.214	25.688	37.039	17.859	16.455	Continuing	Continuing

Description:

This line contains Non-Lethal Equipment, All Types. It currently contains the Acoustic Hailing Device (AHD).

M11309 The Acoustic Hailing Device (AHD) is a non-kinetic, long range hailing and warning device capable of producing highly directional sound beams to project warning tones and intelligible voice commands to distances of 300 meters with background noise present at the target's location. AHDs will support Military Police (MP) and Transportation units, to engage non-combatants during support and stability operations. Less than lethal force is desired and necessary to prevent and minimize civilian casualties. Equipment will allow Soldiers to effectively determine the intent of a person, crowd, vessel or vehicle at a safe distance and potentially deter them prior to escalating to lethal force. This item is Code B, not approved for service use.

M11206 The Remote Deployment Device (RDD) / Single Net solution (SNS) system is wheeled vehicle stopping system. The RDD is a hand-wound spring powered device with pulleys capable of deploying an SNS in 2 seconds. The SNS is a a single use net with spikes designed to stop wheeled vehicles up to 22,000 lbs. traveling up to 30 mph within 200 ft. The SNS can be hand emplaced or remotely deployed with an RDD from a standoff distance of up to 100 meters. The basis of issue is (1) RDD to 4 (SNS).

Secondary Distribution		FY 2014	FY 2015	FY 2016 Base	FY 2016 OCO	FY 2016 Total	FY 2017	FY 2018	FY 2019	FY 2020
Army	Quantity	-	-	14	-	14	301	59	285	328
	Total Obligation Authority	-	0.937	1.487	-	1.487	7.732	1.975	4.936	5.197
ANG	Quantity	-	-	-	-	-	-	90	445	514
	Total Obligation Authority	-	-	-	-	-	-	3.328	7.863	8.333
AR	Quantity	-	-	-	-	-	-	33	158	182
	Total Obligation Authority	-	-	-	-	-	-	1.438	3.060	3.320

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

Appropriation / Budget Activity / Budget Sub Activity: 2035A: Other Procurement, Army / BA 03: Other Support Equipment / BSA 10: Chemical Defensive Equipment	P-1 Line Item Number / Title: M11205 / Family Of Non-Lethal Equipment (FNLE)
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ID Code (A=Service Ready, B=Not Service Ready) : B	Program Elements for Code B Items:	Other Related Program Elements:
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Secondary Distribution		FY 2014	FY 2015	FY 2016 Base	FY 2016 OCO	FY 2016 Total	FY 2017	FY 2018	FY 2019	FY 2020
Total:	Quantity	-	-	14	-	14	301	182	888	1,024
Secondary Distribution	Total Obligation Authority	-	0.937	1.487	-	1.487	7.732	6.741	15.859	16.850

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

Appropriation / Budget Activity / Budget Sub Activity: 2035A: Other Procurement, Army / BA 03: Other Support Equipment / BSA 10: Chemical Defensive Equipment	P-1 Line Item Number / Title: M11205 / Family Of Non-Lethal Equipment (FNLE)
--	--

ID Code (A=Service Ready, B=Not Service Ready) : B			Program Elements for Code B Items:			Other Related Program Elements:		
Exhibits Schedule			Prior Years	FY 2014	FY 2015	FY 2016 Base	FY 2016 OCO	FY 2016 Total
Title*	Exhibits	ID CD	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)
M11309 / ACOUSTIC HAILING DEVICE (AHD)	P-5, P-5a, P-21	B	- / 2.972	- / -	- / 0.937	14 / 1.487	- / -	14 / 1.487
Total Gross/Weapon System Cost			- / 2.972	- / -	- / 0.937	14 / 1.487	- / -	14 / 1.487

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

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

Justification:
 FY 2016 Base procurement dollars in the amount of \$1.487 million supports procurement of 14 AHDs. Funding also supports qualification testing and logistics demonstration.

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.

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Exhibit P-5, Cost Analysis: PB 2016 Army		Date: February 2015
Appropriation / Budget Activity / Budget Sub Activity: 2035A / 03 / 10	P-1 Line Item Number / Title: M11205 / Family Of Non-Lethal Equipment (FNLE)	Item Number / Title [DODIC]: M11309 / ACOUSTIC HAILING DEVICE (AHD)

ID Code (A=Service Ready, B=Not Service Ready) : B	MDAP/MAIS Code:
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Resource Summary	Prior Years	FY 2014	FY 2015	FY 2016 Base	FY 2016 OCO	FY 2016 Total
Procurement Quantity (<i>Units in Each</i>)	-	-	-	14	-	14
Gross/Weapon System Cost (<i>\$ in Millions</i>)	2.972	-	0.937	1.487	-	1.487
Less PY Advance Procurement (<i>\$ in Millions</i>)	-	-	-	-	-	-
Net Procurement (P1) (<i>\$ in Millions</i>)	2.972	-	0.937	1.487	-	1.487
Plus CY Advance Procurement (<i>\$ in Millions</i>)	-	-	-	-	-	-
Total Obligation Authority (<i>\$ in Millions</i>)	2.972	-	0.937	1.487	-	1.487

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

Initial Spares (<i>\$ in Millions</i>)	-	-	-	-	-	-
Gross/Weapon System Unit Cost (<i>\$ in Thousands</i>)	-	-	-	106.214	-	106.214

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

Cost Elements	Prior Years			FY 2014			FY 2015			FY 2016 Base			FY 2016 OCO			FY 2016 Total		
	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)
Hardware Cost																		
Recurring Cost																		
Acoustic Hailing Device System ^(†)	-	-	-	-	-	-	-	-	-	26.750	14	0.375	-	-	-	26.750	14	0.375
<i>Subtotal: Recurring Cost</i>	-	-	-	-	-	-	-	-	-	-	-	0.375	-	-	-	-	-	0.375
<i>Subtotal: Hardware Cost</i>	-	-	-	-	-	-	-	-	-	-	-	0.375	-	-	-	-	-	0.375
Support Cost																		
Production Engineering	-	-	2.972	-	-	-	-	-	0.720	-	-	0.724	-	-	-	-	-	0.724
Testing	-	-	-	-	-	-	-	-	0.217	-	-	0.239	-	-	-	-	-	0.239
Log Demonstration	-	-	-	-	-	-	-	-	-	-	-	0.150	-	-	-	-	-	0.150
<i>Subtotal: Support Cost</i>	-	-	2.972	-	-	-	-	-	0.937	-	-	1.113	-	-	-	-	-	1.113
Gross/Weapon System Cost	-	-	2.972	-	-	-	-	-	0.937	106.214	14	1.487	-	-	-	106.214	14	1.487

Secondary Distribution		FY 2014	FY 2015	FY 2016 Base	FY 2016 OCO	FY 2016 Total
Army	Quantity	-	-	14	-	14
	Total Obligation Authority	-	0.937	1.487	-	1.487
Total:	Quantity	-	-	14	-	14
Secondary Distribution	Total Obligation Authority	-	0.937	1.487	-	1.487

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Exhibit P-5, Cost Analysis: PB 2016 Army		Date: February 2015
Appropriation / Budget Activity / Budget Sub Activity: 2035A / 03 / 10	P-1 Line Item Number / Title: M11205 / Family Of Non-Lethal Equipment (FNLE)	Item Number / Title [DODIC]: M11309 / ACOUSTIC HAILING DEVICE (AHD)
ID Code (A=Service Ready, B=Not Service Ready) : B		MDAP/MAIS Code:

(†) indicates the presence of a P-5a

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Exhibit P-5a, Procurement History and Planning: PB 2016 Army							Date: February 2015					
Appropriation / Budget Activity / Budget Sub Activity: 2035A / 03 / 10			P-1 Line Item Number / Title: M11205 / Family Of Non-Lethal Equipment (FNLE)				Item Number / Title [DODIC]: M11309 / ACOUSTIC HAILING DEVICE (AHD)					
Cost Elements	O C O	FY	Contractor and Location	Method/Type or Funding Vehicle	Location of PCO	Award Date	Date of First Delivery	Qty (Each)	Unit Cost (\$ K)	Specs Avail Now?	Date Revision Available	RFP Issue Date
Acoustic Hailing Device System ^(†)		2016	TBS / TBS	C / FFP	Picatinny, NJ	May 2016	Sep 2017	14	26.750	Y		

^(†) indicates the presence of a P-21

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Exhibit P-21, Production Schedule: PB 2016 Army														Date: February 2015															
Appropriation / Budget Activity / Budget Sub Activity: 2035A / 03 / 10										P-1 Line Item Number / Title: M11205 / Family Of Non-Lethal Equipment (FNLE)										Item Number / Title [DODIC]: M11309 / ACOUSTIC HAILING DEVICE (AHD)									

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

Acoustic Hailing Device System																																
1	2016	ARMY		14	-	14										A	-	-	-	-	-	-	-	-	-	-	-	-	-	-	14	-

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Exhibit P-21, Production Schedule: PB 2016 Army				Date: February 2015				
Appropriation / Budget Activity / Budget Sub Activity: 2035A / 03 / 10			P-1 Line Item Number / Title: M11205 / Family Of Non-Lethal Equipment (FNLE)				Item Number / Title [DODIC]: M11309 / ACOUSTIC HAILING DEVICE (AHD)	

MFR Ref #	MFR Name - Location	Production Rates (Each / Year)			Procurement Leadtime (Months)							
		MSR For 2016	1-8-5 For 2016	MAX For 2016	Initial			Reorder				
					ALT Prior to Oct 1	ALT After Oct 1	Mfg PLT	ALT Prior to Oct 1	ALT After Oct 1	Mfg PLT	Total After Oct 1	
1	TBS - TBS	10	125	200	15	15	4	19	15	15	2	17

Remarks:

Production rates shown are monthly.

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

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

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

Appropriation / Budget Activity / Budget Sub Activity: 2035A: Other Procurement, Army / BA 03: Other Support Equipment / BSA 10: Chemical Defensive Equipment	P-1 Line Item Number / Title: M90101 / Base Defense Systems (BDS)
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ID Code (A=Service Ready, B=Not Service Ready) :	Program Elements for Code B Items:						Other Related Program Elements:					
Resource Summary	Prior Years	FY 2014	FY 2015	FY 2016 Base	FY 2016 OCO	FY 2016 Total	FY 2017	FY 2018	FY 2019	FY 2020	To Complete	Total
Procurement Quantity (Units in Each)	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Cost (\$ in Millions)	-	7.200	1.930	-	4.035	4.035	1.983	12.355	29.944	36.161	Continuing	Continuing
Less PY Advance Procurement (\$ in Millions)	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P1) (\$ in Millions)	-	7.200	1.930	-	4.035	4.035	1.983	12.355	29.944	36.161	Continuing	Continuing
Plus CY Advance Procurement (\$ in Millions)	-	-	-	-	-	-	-	-	-	-	-	-
Total Obligation Authority (\$ in Millions)	-	7.200	1.930	-	4.035	4.035	1.983	12.355	29.944	36.161	Continuing	Continuing
<i>(The following Resource Summary rows are for informational purposes only. The corresponding budget requests are documented elsewhere.)</i>												
Initial Spares (\$ in Millions)	-	-	-	-	-	-	-	-	-	-	-	-
Flyaway Unit Cost (\$ in Thousands)	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Unit Cost (\$ in Thousands)	-	-	-	-	-	-	-	-	-	-	-	-

Description:

Base Defense Systems (BDS) includes Non-Intrusive Inspection Systems (NIIS) (M90108), Battlefield Anti-Intrusion System (BAIS) (M90202), Lighting Kit Motion Detection (LKMD) (M90204), Integrated Ground Security, Surveillance and Response Capability (IGSSR-C)(M90106) and Integrated Base Defense (IBD) Kitting (M90115)

NIIS is a family of systems that inspects for the presence of explosives, weapons and other contraband in vehicles, cargo containers and personnel from a distance providing stand-off ballistic and blast protection. The current family of systems includes the Z-backscatter Van (ZBV), Military Mobile Vehicle and Cargo Inspection System (MMVACIS) and personnel scanners such as the Secure-1000. All systems are either mobile or fully relocatable. It is a force multiplier that maximizes protection of personnel, equipment and installations while minimizing manpower requirements. NIIS provides the capability to non-intrusively inspect vehicles, cargo containers and personnel for the presence of explosives, weapons or other contraband which can kill or injure Soldiers and destroy critical warfighting materiel. NIIS supports the urgent need for Counter-Improvised Explosive Device equipment to support military operations.

BAIS is a compact, modular, light-weight, unattended tactical ground seismic/acoustic sensor that provides tactical units and Forward Operating Bases with an enhanced force protection capability. BAIS enhances force protection and provides early detection and warning of personnel and wheeled or tracked vehicles, increasing situational awareness during defensive and ambush-type operations. BAIS can be integrated into a layered system of systems force protection plan for small tactical units. BAIS is also one of the sub-systems included in the Force Protection Suite that is part of the Base Expeditionary Targeting and Surveillance System, Combined, employed in Forward Operating Bases (FOB) and Combat Outpost (COP) defense and force protection. BAIS provides combat Soldiers a force multiplier force protection system that significantly increases the combat potential and Soldier survivability, enhancing the probability of successful mission accomplishment. BAIS replaces the Platoon Early Warning System (PEWS), which is no longer in production. The Army Acquisition Objective (AAO) is 8,933 systems.

LKMD is a lightweight, man-portable, easily emplaced and recoverable motion activated warning device. LKMD provides an early detection and warning capability enhancing force protection and situational awareness during all types of combat operations. LKMD is a motion activated (Infrared (IR) and Microwave) warning and illumination (visible light, IR and strobe) system. LKMD can be employed in a stand-alone configuration or as part of an integrated protection plan. LKMD provides small-unit Commanders with close-in warning of imminent intrusion and illuminates the intrusion where it occurs, permitting easier identification and facilitating appropriate responses. LKMD systems will be organic to appropriate tactical units. LKMD provides support systems to Army units either operating in or deploying to combat theaters, thereby increasing force protection posture. The Army fielding plan, based on the approved Basis of Issue Plan, requires systems be provided to the following types of units: Military Police, Infantry, Armor and Combat Engineers. LKMD replaces the M49 Trip Flare, Electronic which is no longer in production. The Army Acquisition Objective (AAO) is 23,545 systems.

The IGSSR-C is a Joint Requirement that provides a layered approach to integrate sensors, sensor systems and unmanned systems with automated fusion capabilities to create an in-depth security, surveillance and response Force Protection (FP) COP capability for CONUS fixed, OCONUS semi-fixed or expeditionary elements in all Operating Environments (OE). This capability will enable rapid decision analysis,

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

Appropriation / Budget Activity / Budget Sub Activity: 2035A: Other Procurement, Army / BA 03: Other Support Equipment / BSA 10: Chemical Defensive Equipment	P-1 Line Item Number / Title: M90101 / Base Defense Systems (BDS)
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ID Code (A=Service Ready, B=Not Service Ready) :	Program Elements for Code B Items:	Other Related Program Elements:
speed the response process as well as increase information dissemination horizontally and vertically along the chain of command and with outside supporting organizations. IGSSR-C is a software centric fusion engine that connects legacy and emerging FP systems, legacy Chemical, Biological, Radiological, Nuclear, and Explosive (CBRNE), unmanned systems, biometric identification and forensic data systems. The desired end state is to achieve interoperability with current and emerging FP systems used by Joint Forces, Department of Defense (DoD) agencies and multi-national forces.		
The purpose of IBD Kitting is to harvest and refurbish physical security and FP Non-Standard Equipment and package them into integrated and interoperable IBD capabilities. IBD packages support expeditionary ground operations and provide a bridge to the enduring IBD capability. IBD kits are integrated into a System of Systems (SoS) to provide an interim IBD capability to increase protective effectiveness, enhance situational awareness and reduce troop-to-task requirements.		

Secondary Distribution		FY 2014	FY 2015	FY 2016 Base	FY 2016 OCO	FY 2016 Total	FY 2017	FY 2018	FY 2019	FY 2020
Army	Quantity	-	-	-	-	-	-	-	-	-
	Total Obligation Authority	7.200	1.930	-	4.035	4.035	1.983	12.355	29.944	36.161
Total: Secondary Distribution	Quantity	-	-	-	-	-	-	-	-	-
	Total Obligation Authority	7.200	1.930	-	4.035	4.035	1.983	12.355	29.944	36.161

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

Appropriation / Budget Activity / Budget Sub Activity: 2035A: Other Procurement, Army / BA 03: Other Support Equipment / BSA 10: Chemical Defensive Equipment	P-1 Line Item Number / Title: M90101 / Base Defense Systems (BDS)
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ID Code (A=Service Ready, B=Not Service Ready) :			Program Elements for Code B Items:			Other Related Program Elements:		
Exhibits Schedule			Prior Years	FY 2014	FY 2015	FY 2016 Base	FY 2016 OCO	FY 2016 Total
Title*	Exhibits	ID CD	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)
M90115 / INTEG BASE DEF NONSTAND EQUIP (IBD NS-E) KITTING	P-5		- / -	- / -	- / -	- / -	- / 4.035	- / 4.035
M90202 / BATTLEFIELD ANTI-INTRUSION SYSTEM (BAIS)	P-5		- / -	- / 5.080	- / -	- / -	- / -	- / -
M90204 / LIGHTING KIT, MOTION DETECTOR (LKMD), AN/GAR-2	P-40a		- / -	- / 2.120	- / 1.930	- / -	- / -	- / -
Total Gross/Weapon System Cost			- / -	- / 7.200	- / 1.930	- / -	- / 4.035	- / 4.035

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

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

Justification:
 FY16 OCO procurement of \$4.035 million will provide 32 IBD packages: X-Small (14), Small (5), Medium (5), Large (4), Small Training (3), Large Training (1).

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Exhibit P-5, Cost Analysis: PB 2016 Army		Date: February 2015
Appropriation / Budget Activity / Budget Sub Activity: 2035A / 03 / 10	P-1 Line Item Number / Title: M90101 / Base Defense Systems (BDS)	Item Number / Title [DODIC]: M90115 / INTEG BASE DEF NONSTAND EQUIP (IBD NS-E) KITTING

ID Code (A=Service Ready, B=Not Service Ready) :	MDAP/MAIS Code:
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Resource Summary	Prior Years	FY 2014	FY 2015	FY 2016 Base	FY 2016 OCO	FY 2016 Total
Procurement Quantity (<i>Units in Each</i>)	-	-	-	-	-	-
Gross/Weapon System Cost (<i>\$ in Millions</i>)	-	-	-	-	4.035	4.035
Less PY Advance Procurement (<i>\$ in Millions</i>)	-	-	-	-	-	-
Net Procurement (P1) (<i>\$ in Millions</i>)	-	-	-	-	4.035	4.035
Plus CY Advance Procurement (<i>\$ in Millions</i>)	-	-	-	-	-	-
Total Obligation Authority (<i>\$ in Millions</i>)	-	-	-	-	4.035	4.035

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

Initial Spares (<i>\$ in Millions</i>)	-	-	-	-	-	-
Gross/Weapon System Unit Cost (<i>\$ in Thousands</i>)	-	-	-	126.094	-	126.094

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

Cost Elements	Prior Years			FY 2014			FY 2015			FY 2016 Base			FY 2016 OCO			FY 2016 Total		
	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)
Flyaway Cost																		
Recurring Cost																		
IBD Govt Program Management Support	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.333	-	-	0.333
IBD Equipment Receipt	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.782	-	-	0.782
IBD Equipment Catalog	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.332	-	-	0.332
IBD Container Refurbishment	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.148	-	-	0.148
IBD Package Assembly	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1.391	-	-	1.391
IBD Kit Transportation	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.727	-	-	0.727
IBD Quality Assurance	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.322	-	-	0.322
<i>Subtotal: Recurring Cost</i>	-	-	-	-	-	-	-	-	-	-	-	-	-	-	4.035	-	-	4.035
<i>Subtotal: Flyaway Cost</i>	-	-	-	-	-	-	-	-	-	-	-	-	-	-	4.035	-	-	4.035
Gross/Weapon System Cost	-	-	-	-	-	-	-	-	-	126.094	-	-	-	-	4.035	126.094	-	4.035

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

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Exhibit P-5, Cost Analysis: PB 2016 Army		Date: February 2015
Appropriation / Budget Activity / Budget Sub Activity: 2035A / 03 / 10	P-1 Line Item Number / Title: M90101 / Base Defense Systems (BDS)	Item Number / Title [DODIC]: M90115 / INTEG BASE DEF NONSTAND EQUIP (IBD NS-E) KITTING

ID Code (A=Service Ready, B=Not Service Ready) :	MDAP/MAIS Code:
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Secondary Distribution		FY 2014	FY 2015	FY 2016 Base	FY 2016 OCO	FY 2016 Total
	Total Obligation Authority	-	-	-	4.035	4.035
Total:	Quantity	-	-	-	-	-
Secondary Distribution	Total Obligation Authority	-	-	-	4.035	4.035

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Exhibit P-5, Cost Analysis: PB 2016 Army		Date: February 2015
Appropriation / Budget Activity / Budget Sub Activity: 2035A / 03 / 10		P-1 Line Item Number / Title: M90101 / Base Defense Systems (BDS)
		Item Number / Title [DODIC]: M90202 / BATTLEFILELD ANTI-INTRUSION SYSTEM (BAIS)

ID Code (A=Service Ready, B=Not Service Ready) :	MDAP/MAIS Code:
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Resource Summary	Prior Years	FY 2014	FY 2015	FY 2016 Base	FY 2016 OCO	FY 2016 Total
Procurement Quantity <i>(Units in Each)</i>	-	-	-	-	-	-
Gross/Weapon System Cost <i>(\$ in Millions)</i>	-	5.080	-	-	-	-
Less PY Advance Procurement <i>(\$ in Millions)</i>	-	-	-	-	-	-
Net Procurement (P1) <i>(\$ in Millions)</i>	-	5.080	-	-	-	-
Plus CY Advance Procurement <i>(\$ in Millions)</i>	-	-	-	-	-	-
Total Obligation Authority <i>(\$ in Millions)</i>	-	5.080	-	-	-	-

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

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

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

Cost Elements	Prior Years			FY 2014			FY 2015			FY 2016 Base			FY 2016 OCO			FY 2016 Total		
	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)
Flyaway Cost																		
Recurring Cost																		
Fielding Support	-	-	-	-	-	3.033	-	-	-	-	-	-	-	-	-	-	-	-
Government Program Management Support	-	-	-	-	-	0.300	-	-	-	-	-	-	-	-	-	-	-	-
SETA Contract Support	-	-	-	-	-	1.747	-	-	-	-	-	-	-	-	-	-	-	-
<i>Subtotal: Recurring Cost</i>	-	-	-	-	-	5.080	-	-	-	-	-	-	-	-	-	-	-	-
<i>Subtotal: Flyaway Cost</i>	-	-	-	-	-	5.080	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Cost	-	-	-	-	-	5.080	-	-	-	-	-	-	-	-	-	-	-	-

Secondary Distribution		FY 2014	FY 2015	FY 2016 Base	FY 2016 OCO	FY 2016 Total
Army	Quantity	-	-	-	-	-
	Total Obligation Authority	5.080	-	-	-	-
Total:	Quantity	-	-	-	-	-
Secondary Distribution	Total Obligation Authority	5.080	-	-	-	-

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

Appropriation / Budget Activity / Budget Sub Activity: 2035A / 03 / 10	P-1 Line Item Number / Title: M90101 / Base Defense Systems (BDS)	Aggregated Items Title: Various
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Note: Subtotals or Totals in this Exhibit P-40a may not be exact or add, due to rounding.

Item Number / Title [DODIC]	ID CD	MDAP/MAIS Code	Prior Years			FY 2014			FY 2015			FY 2016 Base			FY 2016 OCO			FY 2016 Total		
			Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)
LIGHTING KIT, MOTION DETECTOR (LKMD), AN/GAR-2																				
M90204 / LIGHTING KIT, MOTION DETECTOR (LKMD), AN/GAR-2			-			-		2.120			1.930									
<i>Secondary Distribution</i>																				
Army				-		-		2.120		-	1.930								-	
<i>Subtotal: LIGHTING KIT, MOTION DETECTOR (LKMD), AN/GAR-2</i>																				
			-		-		-	2.120		-	1.930								-	
Total			-		-		-	2.120		-	1.930								-	

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

Appropriation / Budget Activity / Budget Sub Activity: 2035A: Other Procurement, Army / BA 03: Other Support Equipment / BSA 10: Chemical Defensive Equipment	P-1 Line Item Number / Title: M01001 / CBRN Defense
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ID Code (A=Service Ready, B=Not Service Ready) :	Program Elements for Code B Items:						Other Related Program Elements:					
Resource Summary	Prior Years	FY 2014	FY 2015	FY 2016 Base	FY 2016 OCO	FY 2016 Total	FY 2017	FY 2018	FY 2019	FY 2020	To Complete	Total
Procurement Quantity (Units in Each)	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Cost (\$ in Millions)	229.122	22.151	17.468	26.302	-	26.302	15.456	14.713	18.617	9.912	Continuing	Continuing
Less PY Advance Procurement (\$ in Millions)	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P1) (\$ in Millions)	229.122	22.151	17.468	26.302	-	26.302	15.456	14.713	18.617	9.912	Continuing	Continuing
Plus CY Advance Procurement (\$ in Millions)	-	-	-	-	-	-	-	-	-	-	-	-
Total Obligation Authority (\$ in Millions)	229.122	22.151	17.468	26.302	-	26.302	15.456	14.713	18.617	9.912	Continuing	Continuing
<i>(The following Resource Summary rows are for informational purposes only. The corresponding budget requests are documented elsewhere.)</i>												
Initial Spares (\$ in Millions)	-	-	-	-	-	-	-	-	-	-	-	-
Flyaway Unit Cost (\$ in Thousands)	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Unit Cost (\$ in Thousands)	-	-	-	-	-	-	-	-	-	-	-	-

Description:

Funds acquisition of critically required Chemical Biological equipment needed to support Army mission requirements in five primary categories: Collective Protection (M01006), Decontamination (M01007), Contamination Avoidance (M01008), Individual Protection (M99001), and Weapons of Mass Destruction (WMD) Elimination (M01011). Collective protection platforms include hard and soft wall shelters, vehicles, and structures. The Decontamination program consists of the Joint Service Transportable Decontamination System, Small Scale (JSTDS-SS). The Contamination Avoidance program includes systems that provide detection, identification, collection and reporting of Chemical, Biological, Radiological and Nuclear (CBRN) hazards. The Individual Protection program provides Protective Masks and test equipment. The WMD Elimination (M01011) procurement efforts support missions to systematically detect, locate, characterize, identify, secure, disable and/or destroy WMD weapons, materials and related capabilities within CONUS, OCONUS and Theater.

Secondary Distribution	FY 2014	FY 2015	FY 2016 Base	FY 2016 OCO	FY 2016 Total	FY 2017	FY 2018	FY 2019	FY 2020
Army	Quantity	-	-	-	-	-	-	-	-
	Total Obligation Authority	22.151	17.468	26.302	-	26.302	13.821	1.039	1.607
ANG	Quantity	-	-	-	-	-	-	-	-
	Total Obligation Authority	-	-	-	-	0.350	0.324	-	3.360
AR	Quantity	-	-	-	-	-	-	-	-
	Total Obligation Authority	-	-	-	-	1.285	13.350	17.010	2.250
Total: Secondary Distribution	Quantity	-	-	-	-	-	-	-	-
	Total Obligation Authority	22.151	17.468	26.302	-	26.302	15.456	14.713	18.617

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

Appropriation / Budget Activity / Budget Sub Activity:
2035A: Other Procurement, Army / BA 03: Other Support Equipment / BSA 10:
Chemical Defensive Equipment **P-1 Line Item Number / Title:**
M01001 / CBRN Defense

ID Code (A=Service Ready, B=Not Service Ready) :			Program Elements for Code B Items:			Other Related Program Elements:		
Exhibits Schedule			Prior Years	FY 2014	FY 2015	FY 2016 Base	FY 2016 OCO	FY 2016 Total
Title*	Exhibits	ID CD	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)
M01006 / COLLECTIVE PROTECTION (CP)	P-5, P-5a, P-21		- / 9.868	- / 17.992	- / 2.963	- / 21.343	- / -	- / 21.343
M01011 / CBRNE WMD - Elimination	P-40a		- / 23.537	- / 4.159	- / 14.505	- / 4.959	- / -	- / 4.959
Total Gross/Weapon System Cost			- / 229.122	- / 22.151	- / 17.468	- / 26.302	- / -	- / 26.302

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

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

Justification:
FY16 Base dollars in the amount of \$21.343 million supports the procurement of 16 of the 607 Army Acquisition Objective for Chemical Biological Protective Shelter (CBPS) Systems. The CBPS provides the Forward Surgical Team (FST) and the Area Support Medical Company (ASMC) with a CB protective shelter system that allows their mission to continue in a chemical/biological environment. The FST and ASMC, which by doctrine must function together, are critical assets to the Brigade Combat Team Commander. The CBPS also provides chemical protective shelter capabilities to the Role 1 Medical Treatment Facility (MTF)/Battalion Aide Station (BAS) mission.

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.

FY16 Base Procurement funding in the amount of \$4.959 million will procure 56 National Fire Protection Act (NFPA) Class One Personal Protective Equipment (PPE) suits, 1,430 NFPA Class Two PPE suits, and 3,052 NFPA Class Three PPE suits. Funding supports Commercial Off The Shelf (COTS) Personal Protective Equipment (PPE) Stockpile efforts in support of United States Army North (ARNORTH) Defense CBRNE Response Force (DCRF) and Command and Control CBRNE Response Element (C2CRE) units. This effort supports Headquarters, Department of Army (DA) Operational Project (OPROJ) P24 dated 03 Jun 11 for U. S. Army North (ARNORTH) Logistics Support to Joint Task Force/DA.

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Exhibit P-5, Cost Analysis: PB 2016 Army		Date: February 2015
Appropriation / Budget Activity / Budget Sub Activity: 2035A / 03 / 10		P-1 Line Item Number / Title: M01001 / CBRN Defense
		Item Number / Title [DODIC]: M01006 / COLLECTIVE PROTECTION (CP)

ID Code (A=Service Ready, B=Not Service Ready) :	MDAP/MAIS Code:
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Resource Summary	Prior Years	FY 2014	FY 2015	FY 2016 Base	FY 2016 OCO	FY 2016 Total
Procurement Quantity (Units in Each)	-	-	-	-	-	-
Gross/Weapon System Cost (\$ in Millions)	9.868	17.992	2.963	21.343	-	21.343
Less PY Advance Procurement (\$ in Millions)	-	-	-	-	-	-
Net Procurement (P1) (\$ in Millions)	9.868	17.992	2.963	21.343	-	21.343
Plus CY Advance Procurement (\$ in Millions)	-	-	-	-	-	-
Total Obligation Authority (\$ in Millions)	9.868	17.992	2.963	21.343	-	21.343

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

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

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

Cost Elements	Prior Years			FY 2014			FY 2015			FY 2016 Base			FY 2016 OCO			FY 2016 Total		
	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)
Flyaway Cost																		
Recurring Cost																		
CB Protective Shelter ^(†)	-	-	9.868	1,635.636	11	17.992	1,414.500	2	2.829	1,139.180	18	20.505	-	-	-	1,139.180	18	20.505
Bed Reinforcement Kit	-	-	-	-	-	-	6.000	2	0.012	8.500	18	0.153	-	-	-	8.500	18	0.153
Stowage Bay Kit	-	-	-	-	-	-	4.500	2	0.009	0.450	18	0.008	-	-	-	0.450	18	0.008
M98 Filter Set	-	-	-	-	-	-	1.250	4	0.005	1.250	36	0.045	-	-	-	1.250	36	0.045
Handheld Remote Control Radio Device	-	-	-	-	-	-	1.000	2	0.002	2.156	18	0.039	-	-	-	2.156	18	0.039
Total Package Fielding (Spares)	-	-	-	-	-	-	-	-	-	12.500	18	0.225	-	-	-	12.500	18	0.225
New Equipment Training	-	-	-	-	-	-	-	-	0.020	10.563	18	0.190	-	-	-	10.563	18	0.190
Subtotal: Recurring Cost	-	-	9.868	-	-	17.992	-	-	2.877	-	-	21.165	-	-	-	-	-	21.165
Subtotal: Flyaway Cost	-	-	9.868	-	-	17.992	-	-	2.877	-	-	21.165	-	-	-	-	-	21.165
Support Cost																		
Engineering Support	-	-	-	-	-	-	-	-	0.086	-	-	0.178	-	-	-	-	-	0.178
Subtotal: Support Cost	-	-	-	-	-	-	-	-	0.086	-	-	0.178	-	-	-	-	-	0.178
Gross/Weapon System Cost	-	-	9.868	-	-	17.992	-	-	2.963	-	-	21.343	-	-	-	-	-	21.343

UNCLASSIFIED

Exhibit P-5, Cost Analysis: PB 2016 Army		Date: February 2015
Appropriation / Budget Activity / Budget Sub Activity: 2035A / 03 / 10	P-1 Line Item Number / Title: M01001 / CBRN Defense	Item Number / Title [DODIC]: M01006 / COLLECTIVE PROTECTION (CP)

ID Code (A=Service Ready, B=Not Service Ready) :	MDAP/MAIS Code:
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Secondary Distribution		FY 2014	FY 2015	FY 2016 Base	FY 2016 OCO	FY 2016 Total
Army	Quantity	-	-	-	-	-
	Total Obligation Authority	17.992	2.963	21.343	-	21.343
Total:	Quantity	-	-	-	-	-
Secondary Distribution	Total Obligation Authority	17.992	2.963	21.343	-	21.343

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

UNCLASSIFIED

Exhibit P-5a, Procurement History and Planning: PB 2016 Army							Date: February 2015					
Appropriation / Budget Activity / Budget Sub Activity: 2035A / 03 / 10			P-1 Line Item Number / Title: M01001 / CBRN Defense				Item Number / Title [DODIC]: M01006 / COLLECTIVE PROTECTION (CP)					

Cost Elements	O C O	FY	Contractor and Location	Method/Type or Funding Vehicle	Location of PCO	Award Date	Date of First Delivery	Qty <i>(Each)</i>	Unit Cost <i>(\$ K)</i>	Specs Avail Now?	Date Revision Available	RFP Issue Date
CB Protective Shelter ^(†)		2014	Smiths Detection / Edgewood	C / FFP	ACC, APG, NCD, Natick, MA	May 2014	Jan 2016	11	1,635.636	N		
CB Protective Shelter ^(†)		2015	Smiths Detection / Edgewood	C / FFP	ACC, APG, NCD, Natick, MA	Apr 2015	Mar 2016	2	1,414.500	N		
CB Protective Shelter ^(†)		2016	Smiths Detection / Edgewood	C / FFP	ACC, APG, NCD, Natick, MA	Jan 2016	Nov 2016	18	1,139.180	N		

^(†) indicates the presence of a P-21

Remarks:

New Firm Fixed price contract will be a Build-To-Print contract that utilizes the Technical Data Package (TDP) from the existing contract.

UNCLASSIFIED

Exhibit P-21, Production Schedule: PB 2016 Army		Date: February 2015
Appropriation / Budget Activity / Budget Sub Activity: 2035A / 03 / 10		P-1 Line Item Number / Title: M01001 / CBRN Defense
		Item Number / Title [DODIC]: M01006 / COLLECTIVE PROTECTION (CP)

MFR Ref #	MFR Name - Location	Production Rates (Each / Month)			Procurement Leadtime (Months)							
		MSR For 2016	1-8-5 For 2016	MAX For 2016	Initial			Reorder				
					ALT Prior to Oct 1	ALT After Oct 1	Mfg PLT	ALT Prior to Oct 1	ALT After Oct 1	Mfg PLT	Total After Oct 1	
1	Smiths Detection - Edgewood	2	5	18	-	-	-	-	-	2	11	13

Remarks:

Production rates shown are monthly.

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

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

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

Appropriation / Budget Activity / Budget Sub Activity: 2035A / 03 / 10	P-1 Line Item Number / Title: M01001 / CBRN Defense	Aggregated Items Title: Various
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Note: Subtotals or Totals in this Exhibit P-40a may not be exact or add, due to rounding.

Item Number / Title [DODIC]	ID CD	MDAP/MAIS Code	Prior Years			FY 2014			FY 2015			FY 2016 Base			FY 2016 OCO			FY 2016 Total		
			Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)
CBRNE WMD - Elimination																				
M01011 / CBRNE WMD - Elimination			-	-	23.537	-	-	4.159	-	-	14.505	-	-	4.959	-	-	-	-	-	4.959
<i>Secondary Distribution</i>																				
Army				-	-		-	4.159		-	14.505		-	4.959		-	-		-	4.959
<i>Subtotal: CBRNE WMD - Elimination</i>			-	-	23.537	-	-	4.159	-	-	14.505	-	-	4.959	-	-	-	-	-	4.959
Total			-	-	23.537	-	-	4.159	-	-	14.505	-	-	4.959	-	-	-	-	-	4.959

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

Appropriation / Budget Activity / Budget Sub Activity: 2035A: Other Procurement, Army / BA 03: Other Support Equipment / BSA 15: Bridging Equipment	P-1 Line Item Number / Title: MX0100 / Tactical Bridging
--	--

ID Code (A=Service Ready, B=Not Service Ready) : B			Program Elements for Code B Items:					Other Related Program Elements:				
Resource Summary	Prior Years	FY 2014	FY 2015	FY 2016 Base	FY 2016 OCO	FY 2016 Total	FY 2017	FY 2018	FY 2019	FY 2020	To Complete	Total
Procurement Quantity (Units in Each)	-	-	-	-	-	-	1	2	4	4	Continuing	Continuing
Gross/Weapon System Cost (\$ in Millions)	829.697	8.188	-	9.822	-	9.822	11.773	16.610	20.876	25.043	Continuing	Continuing
Less PY Advance Procurement (\$ in Millions)	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P1) (\$ in Millions)	829.697	8.188	-	9.822	-	9.822	11.773	16.610	20.876	25.043	Continuing	Continuing
Plus CY Advance Procurement (\$ in Millions)	-	-	-	-	-	-	-	-	-	-	-	-
Total Obligation Authority (\$ in Millions)	829.697	8.188	-	9.822	-	9.822	11.773	16.610	20.876	25.043	Continuing	Continuing
<i>(The following Resource Summary rows are for informational purposes only. The corresponding budget requests are documented elsewhere.)</i>												
Initial Spares (\$ in Millions)	-	-	-	-	-	-	-	-	-	-	-	-
Flyaway Unit Cost (\$ in Thousands)	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Unit Cost (\$ in Thousands)	-	-	-	9,822.000	-	9,822.000	11,773.000	8,305.000	5,219.000	6,260.750	Continuing	Continuing

Description:

The Line of Communication Bridge (LOCB) system provides a 50 meter dry gap crossing capability and a 280 meter wet gap crossing capability to the Multi-Role Bridge Company (MRBC). The LOCB supports up to Military Load Class (MLC) 120 tracked and MLC 150 (caution) wheeled equipment. The LOCB has a roadway width of 4.5 meters. Each 50 meter fixed LOCB system consists of girder beams, cross bracing, decking, guard rails, erection and anchorage sets, tools and all associated hardware, and will come with a ramp set, 5 meter pier, and ground beams. Additionally available will be pedestrian walkways. The 280 meter float LOCB system will consist of the same hardware as the 50 meter LOCB, and will come with floatation equipment. One 50 meter fixed LOCB will be fielded per MRBC. Forty 50 meter fixed LOCBs and 5 280 meter float LOCBs will be located in Army Prepositioned Stock for rapid deployment to the theater of operations. Also U.S. Army Engineering School will have 6 50 meter fixed LOCBs and 2 130 meter float LOCBs for training.

The Dry Support Bridge (DSB) is a mobile, rapidly erected, modular military bridging system used by the MRBC. The 40 Meter DSB can span a 40-meter gap or two 20-meter gaps. The 46 Meter DSB can span a 46-meter gap or two 28-meter gaps (with the 46-meter upgrade). Both have a crossing capability of MLC 100 Wheeled/MLC 80 Tracked. The DSB has a road width of 4.3 meters and an emplacement time of 90 minutes or less, with little or no site preparation. The DSB will support the Joint Force Commander's ability to employ and sustain forces throughout the global battle space.

Secondary Distribution		FY 2014	FY 2015	FY 2016 Base	FY 2016 OCO	FY 2016 Total	FY 2017	FY 2018	FY 2019	FY 2020
Army	Quantity	-	-	-	-	-	-	-	-	-
	Total Obligation Authority	8.188	-	9.822	-	9.822	11.773	16.610	15.225	-
ANG	Quantity	-	-	-	-	-	-	-	-	-
	Total Obligation Authority	-	-	-	-	-	-	-	5.651	12.522
AR	Quantity	-	-	-	-	-	-	-	-	-
	Total Obligation Authority	-	-	-	-	-	-	-	-	12.521

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

Appropriation / Budget Activity / Budget Sub Activity: 2035A: Other Procurement, Army / BA 03: Other Support Equipment / BSA 15: Bridging Equipment	P-1 Line Item Number / Title: MX0100 / Tactical Bridging
--	--

ID Code (A=Service Ready, B=Not Service Ready) : B		Program Elements for Code B Items:				Other Related Program Elements:				
Secondary Distribution		FY 2014	FY 2015	FY 2016 Base	FY 2016 OCO	FY 2016 Total	FY 2017	FY 2018	FY 2019	FY 2020
Total:	Quantity	-	-	-	-	-	-	-	-	-
Secondary Distribution	Total Obligation Authority	8.188	-	9.822	-	9.822	11.773	16.610	20.876	25.043

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

Appropriation / Budget Activity / Budget Sub Activity: 2035A: Other Procurement, Army / BA 03: Other Support Equipment / BSA 15: Bridging Equipment	P-1 Line Item Number / Title: MX0100 / Tactical Bridging
--	--

ID Code (A=Service Ready, B=Not Service Ready) : B			Program Elements for Code B Items:			Other Related Program Elements:		
Exhibits Schedule			Prior Years	FY 2014	FY 2015	FY 2016 Base	FY 2016 OCO	FY 2016 Total
Title*	Exhibits	ID CD	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)
G82400 / DRY SUPPORT BRIDGE	P-40a	A	- / 791.649	- / 1.824	- / -	- / -	- / -	- / -
G82404 / LINE OF COMMUNICATION BRIDGE LOCB	P-5, P-5a, P-21		- / 38.048	- / 6.364	- / -	- / 9.822	- / -	- / 9.822
Total Gross/Weapon System Cost			- / 829.697	- / 8.188	- / -	- / 9.822	- / -	- / 9.822

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

Justification:
 FY 16 Base procurement dollars in the amount of \$9.822 million supports the procurement of the first Low Rate Initial Production (LRIP) LOCB. Production is anticipated at Rock Island Arsenal (RIA) following a successful Milestone (MS) C decision. The LOCB system provides the United States Army with an enhanced support bridging capability to replace the obsolete, 1940s era Bailey Bridge (BB).

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

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

Appropriation / Budget Activity / Budget Sub Activity: 2035A / 03 / 15	P-1 Line Item Number / Title: MX0100 / Tactical Bridging	Aggregated Items Title: Various
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Note: Subtotals or Totals in this Exhibit P-40a may not be exact or add, due to rounding.

Item Number / Title [DODIC]	ID CD	MDAP/MAIS Code	Prior Years			FY 2014			FY 2015			FY 2016 Base			FY 2016 OCO			FY 2016 Total		
			Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)
DRY SUPPORT BRIDGE																				
G82400 / DRY SUPPORT BRIDGE	A		-	-	791.649	-	-	1.824	-	-	-	-	-	-	-	-	-	-	-	-
<i>Secondary Distribution</i>																				
Army				-	-		-	1.824		-	-		-	-		-	-		-	-
<i>Subtotal: DRY SUPPORT BRIDGE</i>			-	-	791.649	-	-	1.824	-	-	-	-	-	-	-	-	-	-	-	-
Total			-	-	791.649	-	-	1.824	-	-	-	-	-	-	-	-	-	-	-	-

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Exhibit P-5, Cost Analysis: PB 2016 Army		Date: February 2015
Appropriation / Budget Activity / Budget Sub Activity: 2035A / 03 / 15		P-1 Line Item Number / Title: MX0100 / Tactical Bridging
		Item Number / Title [DODIC]: G82404 / LINE OF COMMUNICATION BRIDGE LOCB

ID Code (A=Service Ready, B=Not Service Ready) :	MDAP/MAIS Code:
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Resource Summary	Prior Years	FY 2014	FY 2015	FY 2016 Base	FY 2016 OCO	FY 2016 Total
Procurement Quantity (Units in Each)	-	-	-	-	-	-
Gross/Weapon System Cost (\$ in Millions)	38.048	6.364	-	9.822	-	9.822
Less PY Advance Procurement (\$ in Millions)	-	-	-	-	-	-
Net Procurement (P1) (\$ in Millions)	38.048	6.364	-	9.822	-	9.822
Plus CY Advance Procurement (\$ in Millions)	-	-	-	-	-	-
Total Obligation Authority (\$ in Millions)	38.048	6.364	-	9.822	-	9.822

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

Initial Spares (\$ in Millions)	-	-	-	-	-	-
Gross/Weapon System Unit Cost (\$ in Thousands)	-	-	-	9,822.000	-	9,822.000

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

Cost Elements	Prior Years			FY 2014			FY 2015			FY 2016 Base			FY 2016 OCO			FY 2016 Total		
	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)
Flyaway Cost																		
Recurring Cost																		
1. Fixed Bridge ^(†)	-	-	35.798	-	-	-	-	-	-	5,072.000	1	5.072	-	-	-	5,072.000	1	5.072
2. M3 Container Roll-In/Out Platform	-	-	0.800	-	-	-	-	-	-	9.000	26	0.234	-	-	-	9.000	26	0.234
Data	-	-	-	-	-	-	-	-	-	-	-	1.000	-	-	-	-	-	1.000
Fielding	-	-	0.450	-	-	-	-	-	-	-	-	0.150	-	-	-	-	-	0.150
System Engineering/Program Management	-	-	1.000	-	-	6.364	-	-	-	-	-	1.100	-	-	-	-	-	1.100
Subtotal: Recurring Cost	-	-	38.048	-	-	6.364	-	-	-	-	-	7.556	-	-	-	-	-	7.556
Non Recurring Cost																		
Start Up Tooling/Fixtures	-	-	-	-	-	-	-	-	-	-	-	2.266	-	-	-	-	-	2.266
Subtotal: Non Recurring Cost	-	-	-	-	-	-	-	-	-	-	-	2.266	-	-	-	-	-	2.266
Subtotal: Flyaway Cost	-	-	38.048	-	-	6.364	-	-	-	-	-	9.822	-	-	-	-	-	9.822
Gross/Weapon System Cost	-	-	38.048	-	-	6.364	-	-	-	9,822.000	-	9.822	-	-	-	9,822.000	-	9.822

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

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Exhibit P-5, Cost Analysis: PB 2016 Army		Date: February 2015
Appropriation / Budget Activity / Budget Sub Activity: 2035A / 03 / 15	P-1 Line Item Number / Title: MX0100 / Tactical Bridging	Item Number / Title [DODIC]: G82404 / LINE OF COMMUNICATION BRIDGE LOCB

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

Secondary Distribution		FY 2014	FY 2015	FY 2016 Base	FY 2016 OCO	FY 2016 Total
	Total Obligation Authority	6.364	-	9.822	-	9.822
Total:	Quantity	-	-	-	-	-
Secondary Distribution	Total Obligation Authority	6.364	-	9.822	-	9.822

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

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Exhibit P-5a, Procurement History and Planning: PB 2016 Army							Date: February 2015					
Appropriation / Budget Activity / Budget Sub Activity: 2035A / 03 / 15			P-1 Line Item Number / Title: MX0100 / Tactical Bridging				Item Number / Title [DODIC]: G82404 / LINE OF COMMUNICATION BRIDGE LOCB					
Cost Elements	O C O	FY	Contractor and Location	Method/Type or Funding Vehicle	Location of PCO	Award Date	Date of First Delivery	Qty (Each)	Unit Cost (\$ K)	Specs Avail Now?	Date Revision Available	RFP Issue Date
1. Fixed Bridge ^(†)		2016	Rock Island Arsenal / Rock Island	MIPR	TACOM, Warren, MI	Jun 2016	Jun 2017	1	5,072.000	N		

^(†) indicates the presence of a P-21

Remarks:
Production to be completed pending MS C decision

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Exhibit P-21, Production Schedule: PB 2016 Army															Date: February 2015														
Appropriation / Budget Activity / Budget Sub Activity: 2035A / 03 / 15										P-1 Line Item Number / Title: MX0100 / Tactical Bridging										Item Number / Title [DODIC]: G82404 / LINE OF COMMUNICATION BRIDGE LOCB									

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

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Exhibit P-21, Production Schedule: PB 2016 Army							Date: February 2015					
Appropriation / Budget Activity / Budget Sub Activity: 2035A / 03 / 15				P-1 Line Item Number / Title: MX0100 / Tactical Bridging				Item Number / Title [DODIC]: G82404 / LINE OF COMMUNICATION BRIDGE LOCB				

MFR Ref #	MFR Name - Location	Production Rates (Each / Year)			Procurement Leadtime (Months)							
		MSR For 2016	1-8-5 For 2016	MAX For 2016	Initial			Reorder				
					ALT Prior to Oct 1	ALT After Oct 1	Mfg PLT	ALT Prior to Oct 1	ALT After Oct 1	Mfg PLT	Total After Oct 1	
1	Rock Island Arsenal - Rock Island	1	2	4	-	4	12	16	-	4	6	10

Remarks:
 Production rates are an estimate until development is complete.

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

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

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

Appropriation / Budget Activity / Budget Sub Activity: 2035A: Other Procurement, Army / BA 03: Other Support Equipment / BSA 15: Bridging Equipment	P-1 Line Item Number / Title: MA8890 / Tactical Bridge, Float-Ribbon
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ID Code (A=Service Ready, B=Not Service Ready) : A		Program Elements for Code B Items:					Other Related Program Elements:					
Resource Summary	Prior Years	FY 2014	FY 2015	FY 2016 Base	FY 2016 OCO	FY 2016 Total	FY 2017	FY 2018	FY 2019	FY 2020	To Complete	Total
Procurement Quantity (Units in Each)	14	-	-	-	-	-	89	113	17	14	Continuing	Continuing
Gross/Weapon System Cost (\$ in Millions)	1,196.906	23.101	5.442	21.516	-	21.516	62.655	79.322	14.772	12.167	Continuing	Continuing
Less PY Advance Procurement (\$ in Millions)	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P1) (\$ in Millions)	1,196.906	23.101	5.442	21.516	-	21.516	62.655	79.322	14.772	12.167	Continuing	Continuing
Plus CY Advance Procurement (\$ in Millions)	-	-	-	-	-	-	-	-	-	-	-	-
Total Obligation Authority (\$ in Millions)	1,196.906	23.101	5.442	21.516	-	21.516	62.655	79.322	14.772	12.167	Continuing	Continuing
<i>(The following Resource Summary rows are for informational purposes only. The corresponding budget requests are documented elsewhere.)</i>												
Initial Spares (\$ in Millions)	-	-	-	-	-	-	-	-	-	-	-	-
Flyaway Unit Cost (\$ in Thousands)	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Unit Cost (\$ in Thousands)	85,493.286	-	-	896.500	-	896.500	703.989	701.965	868.941	869.071	Continuing	Continuing

Description:

The Tactical Float Ribbon Bridge line supports the Multi-Role Bridge Company (MRBC). One Tactical Float Ribbon Bridge System consists of the Improved Ribbon Bridge (IRB) bays (30 Interior and 12 Ramp), 14 Propulsion Bridge Erection Boats (BEB) and 56 Common Bridge Transporters (CBT). These components are required to transport, launch, erect and retrieve up to 210 meters of floating bridge. The IRB has a Military Load Class (MLC) 96 wheeled (normal) and 110 (caution)/MLC 70 tracked (normal) and 85 (caution) and is used to transport weapon systems, Troops, and supplies over water when permanent bridges are not available. This capability will support the Joint Force Commander's ability to employ and sustain forces throughout the global battlespace. The Army plans to have 25 MRBCs.

AAO IRB Interior Bays: 1128
 AAO IRB Ramp Bays: 454
 AAO BEB: 379

Secondary Distribution		FY 2014	FY 2015	FY 2016 Base	FY 2016 OCO	FY 2016 Total	FY 2017	FY 2018	FY 2019	FY 2020
Army	Quantity	-	-	-	-	-	-	-	-	-
	Total Obligation Authority	23.101	5.442	21.516	-	21.516	-	-	-	-
Total: Secondary Distribution	Quantity	-	-	-	-	-	-	-	-	-
	Total Obligation Authority	23.101	5.442	21.516	-	21.516	-	-	-	-

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

Appropriation / Budget Activity / Budget Sub Activity:
2035A: Other Procurement, Army / BA 03: Other Support Equipment / BSA 15: Bridging Equipment

P-1 Line Item Number / Title:
MA8890 / Tactical Bridge, Float-Ribbon

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

Exhibits Schedule			Prior Years	FY 2014	FY 2015	FY 2016 Base	FY 2016 OCO	FY 2016 Total
Title*	Exhibits	ID CD	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)
M26600 / BRIDGE, FLOAT-RIBBON, BAYS	P-5, P-5a, P-21	A	- / 546.873	- / 8.505	- / -	- / -	- / -	- / -
M27200 / BRIDGE, FLOAT-RIBBON, PROPULSION	P-5, P-5a, P-21	A	- / 132.799	- / 14.596	- / 5.442	- / 21.516	- / -	- / 21.516
Total Gross/Weapon System Cost			14 / 1,196.906	- / 23.101	- / 5.442	- / 21.516	- / -	- / 21.516

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

Justification:
 FY 2016 Base procurement dollars in the amount of \$21.516 million supports the procurement of 24 BEBs for Active Army unit requirements. The newly designed BEB will improve fleet readiness by improving the basic design to meet current survivability, transportability, and interoperability requirements. Funding supports a balanced investment strategy for the Army's approved force structure and Army Force Generation (ARFORGEN) requirements.

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.

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Exhibit P-5, Cost Analysis: PB 2016 Army		Date: February 2015
Appropriation / Budget Activity / Budget Sub Activity: 2035A / 03 / 15	P-1 Line Item Number / Title: MA8890 / Tactical Bridge, Float-Ribbon	Item Number / Title [DODIC]: M26600 / BRIDGE, FLOAT-RIBBON, BAYS

ID Code (A=Service Ready, B=Not Service Ready) : A	MDAP/MAIS Code:
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Resource Summary	Prior Years	FY 2014	FY 2015	FY 2016 Base	FY 2016 OCO	FY 2016 Total
Procurement Quantity (Units in Each)	-	-	-	-	-	-
Gross/Weapon System Cost (\$ in Millions)	546.873	8.505	-	-	-	-
Less PY Advance Procurement (\$ in Millions)	-	-	-	-	-	-
Net Procurement (P1) (\$ in Millions)	546.873	8.505	-	-	-	-
Plus CY Advance Procurement (\$ in Millions)	-	-	-	-	-	-
Total Obligation Authority (\$ in Millions)	546.873	8.505	-	-	-	-

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

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

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

Cost Elements	Prior Years			FY 2014			FY 2015			FY 2016 Base			FY 2016 OCO			FY 2016 Total		
	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)
Flyaway Cost																		
Recurring Cost																		
1. Bays Hardware-Interior Bays ^(†)	170.000	2,570	436.899	296.000	16	4.736	-	-	-	-	-	-	-	-	-	-	-	-
2. Bays Hardware-Ramp Bays ^(†)	150.000	285	42.750	386.000	4	1.544	-	-	-	-	-	-	-	-	-	-	-	-
3. Bridge Adapter Pallet	-	-	32.664	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Data	-	-	1.496	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Fielding	-	-	18.094	-	-	1.000	-	-	-	-	-	-	-	-	-	-	-	-
System Engineering/Program Management	-	-	14.969	-	-	1.225	-	-	-	-	-	-	-	-	-	-	-	-
<i>Subtotal: Recurring Cost</i>	-	-	<i>546.873</i>	-	-	<i>8.505</i>	-	-	-	-	-	-	-	-	-	-	-	-
<i>Subtotal: Flyaway Cost</i>	-	-	<i>546.873</i>	-	-	<i>8.505</i>	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Cost	-	-	546.873	-	-	8.505	-	-	-	-	-	-	-	-	-	-	-	-

Secondary Distribution		FY 2014	FY 2015	FY 2016 Base	FY 2016 OCO	FY 2016 Total
Army	Quantity	-	-	-	-	-
	Total Obligation Authority	8.505	-	-	-	-
Total:	Quantity	-	-	-	-	-

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Exhibit P-5, Cost Analysis: PB 2016 Army			Date: February 2015			
Appropriation / Budget Activity / Budget Sub Activity: 2035A / 03 / 15		P-1 Line Item Number / Title: MA8890 / Tactical Bridge, Float-Ribbon		Item Number / Title [DODIC]: M26600 / BRIDGE, FLOAT-RIBBON, BAYS		
ID Code (A=Service Ready, B=Not Service Ready) : A			MDAP/MAIS Code:			
Secondary Distribution		FY 2014	FY 2015	FY 2016 Base	FY 2016 OCO	FY 2016 Total
Secondary Distribution	Total Obligation Authority	8.505	-	-	-	-

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

UNCLASSIFIED

Exhibit P-5a, Procurement History and Planning: PB 2016 Army							Date: February 2015					
Appropriation / Budget Activity / Budget Sub Activity: 2035A / 03 / 15			P-1 Line Item Number / Title: MA8890 / Tactical Bridge, Float-Ribbon				Item Number / Title [DODIC]: M26600 / BRIDGE, FLOAT-RIBBON, BAYS					
Cost Elements	O C O	FY	Contractor and Location	Method/Type or Funding Vehicle	Location of PCO	Award Date	Date of First Delivery	Qty (Each)	Unit Cost (\$ K)	Specs Avail Now?	Date Revision Available	RFP Issue Date
1. Bays Hardware-Interior Bays ^(†)		2014	GDELS-G / Kaiserslautern	SS / FFP	TACOM, Warren, MI	Jan 2014	Feb 2015	16	296.000	N	Jan 2005	
2. Bays Hardware- Ramp Bays ^(†)		2014	GDELS-G / Kaiserslautern	SS / FFP	TACOM, Warren, MI	Jan 2014	Feb 2015	4	386.000	N	Jan 2005	

^(†) indicates the presence of a P-21

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Exhibit P-21, Production Schedule: PB 2016 Army															Date: February 2015														
Appropriation / Budget Activity / Budget Sub Activity: 2035A / 03 / 15										P-1 Line Item Number / Title: MA8890 / Tactical Bridge, Float-Ribbon										Item Number / Title [DODIC]: M26600 / BRIDGE, FLOAT-RIBBON, BAYS									

Cost Elements <i>(Units in Each)</i>						Fiscal Year 2014													Fiscal Year 2015														
O C C O	M F R #	FY	SERVICE	PROC QTY	ACCEPT PRIOR TO 1 OCT 2013	BAL DUE AS OF 1 OCT	Calendar Year 2014													Calendar Year 2015													
							O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	B A L		
1. Bays Hardware-Interior Bays																																	
Prior Years Deliveries: 2570																																	
1	2014	ARMY (I)		16	-	16					A	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	6	5	5		-
2. Bays Hardware- Ramp Bays																																	
Prior Years Deliveries: 285																																	
2	2014	ARMY (II)		4	-	4					A	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	2	1	1		-	
							O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	B A L		

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Exhibit P-21, Production Schedule: PB 2016 Army		Date: February 2015
Appropriation / Budget Activity / Budget Sub Activity: 2035A / 03 / 15		P-1 Line Item Number / Title: MA8890 / Tactical Bridge, Float-Ribbon
		Item Number / Title [DODIC]: M26600 / BRIDGE, FLOAT-RIBBON, BAYS

MFR Ref #	MFR Name - Location	Production Rates (Each / Month)			Procurement Leadtime (Months)							
		MSR For 2016	1-8-5 For 2016	MAX For 2016	Initial				Reorder			
					ALT Prior to Oct 1	ALT After Oct 1	Mfg PLT	Total After Oct 1	ALT Prior to Oct 1	ALT After Oct 1	Mfg PLT	Total After Oct 1
1	GDELS-G - Kaiserslautern	1	18	26	-	4	13	17	-	4	13	17
2	GDELS-G - Kaiserslautern	1	18	26	-	4	13	17	-	4	13	17

Remarks:
Production rates are monthly.

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

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

Service/Agency Suffixes:

(I) BASE

(II) BASE

UNCLASSIFIED

Exhibit P-5, Cost Analysis: PB 2016 Army		Date: February 2015
Appropriation / Budget Activity / Budget Sub Activity: 2035A / 03 / 15		P-1 Line Item Number / Title: MA8890 / Tactical Bridge, Float-Ribbon
		Item Number / Title [DODIC]: M27200 / BRIDGE, FLOAT-RIBBON, PROPULSION

ID Code (A=Service Ready, B=Not Service Ready) : A	MDAP/MAIS Code:
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Resource Summary	Prior Years	FY 2014	FY 2015	FY 2016 Base	FY 2016 OCO	FY 2016 Total
Procurement Quantity (Units in Each)	-	-	-	-	-	-
Gross/Weapon System Cost (\$ in Millions)	132.799	14.596	5.442	21.516	-	21.516
Less PY Advance Procurement (\$ in Millions)	-	-	-	-	-	-
Net Procurement (P1) (\$ in Millions)	132.799	14.596	5.442	21.516	-	21.516
Plus CY Advance Procurement (\$ in Millions)	-	-	-	-	-	-
Total Obligation Authority (\$ in Millions)	132.799	14.596	5.442	21.516	-	21.516

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

Initial Spares (\$ in Millions)	-	-	-	-	-	-
Gross/Weapon System Unit Cost (\$ in Thousands)	960.714	2,432.667	907.000	896.500	-	896.500

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

Cost Elements	Prior Years			FY 2014			FY 2015			FY 2016 Base			FY 2016 OCO			FY 2016 Total		
	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)
Flyaway Cost																		
Recurring Cost																		
Hardware ^(†)	446.946	258	115.312	621.000	6	3.726	621.000	6	3.726	621.000	24	14.904	-	-	-	621.000	24	14.904
Bridge Adapter Pallet	-	-	-	-	-	-	-	-	-	60.000	24	1.440	-	-	-	60.000	24	1.440
Crew Protection Kit	-	-	-	-	-	-	-	-	-	30.625	24	0.735	-	-	-	30.625	24	0.735
Data	-	-	8.087	-	-	7.070	-	-	0.025	-	-	-	-	-	-	-	-	-
Fielding	-	-	0.500	-	-	0.100	-	-	0.030	-	-	0.060	-	-	-	-	-	0.060
System Test & Evaluation, Production	-	-	0.900	-	-	1.500	-	-	-	-	-	2.177	-	-	-	-	-	2.177
System Engineering/ Program Management	-	-	3.000	-	-	2.200	-	-	1.661	-	-	2.200	-	-	-	-	-	2.200
Engineering Changes	-	-	5.000	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
<i>Subtotal: Recurring Cost</i>	-	-	132.799	-	-	14.596	-	-	5.442	-	-	21.516	-	-	-	-	-	21.516
<i>Subtotal: Flyaway Cost</i>	-	-	132.799	-	-	14.596	-	-	5.442	-	-	21.516	-	-	-	-	-	21.516
Gross/Weapon System Cost	960.714	-	132.799	2,432.667	-	14.596	907.000	-	5.442	896.500	-	21.516	-	-	-	896.500	-	21.516

Secondary Distribution	FY 2014	FY 2015	FY 2016 Base	FY 2016 OCO	FY 2016 Total
Army	-	-	-	-	-
Quantity	-	-	-	-	-
Total Obligation Authority	14.596	5.442	21.516	-	21.516
Total:	-	-	-	-	-

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Exhibit P-5, Cost Analysis: PB 2016 Army				Date: February 2015		
Appropriation / Budget Activity / Budget Sub Activity: 2035A / 03 / 15		P-1 Line Item Number / Title: MA8890 / Tactical Bridge, Float-Ribbon		Item Number / Title [DODIC]: M27200 / BRIDGE, FLOAT-RIBBON, PROPULSION		
ID Code (A=Service Ready, B=Not Service Ready) : A			MDAP/MAIS Code:			
Secondary Distribution		FY 2014	FY 2015	FY 2016 Base	FY 2016 OCO	FY 2016 Total
Secondary Distribution	Total Obligation Authority	14.596	5.442	21.516	-	21.516

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

UNCLASSIFIED

Exhibit P-5a, Procurement History and Planning: PB 2016 Army							Date: February 2015					
Appropriation / Budget Activity / Budget Sub Activity: 2035A / 03 / 15			P-1 Line Item Number / Title: MA8890 / Tactical Bridge, Float-Ribbon				Item Number / Title [DODIC]: M27200 / BRIDGE, FLOAT-RIBBON, PROPULSION					
Cost Elements	O C O	FY	Contractor and Location	Method/Type or Funding Vehicle	Location of PCO	Award Date	Date of First Delivery	Qty <i>(Each)</i>	Unit Cost <i>(\$ K)</i>	Specs Avail Now?	Date Revision Available	RFP Issue Date
Hardware ^(t)		2014	Birdon America Inc / Denver	C / FFP	TACOM, Warren, MI	Jun 2014	Jun 2015	6	621.000	N		
Hardware ^(t)		2015	Birdon America Inc / Denver	C / FFP	TACOM, Warren, MI	Apr 2015	Dec 2015	6	621.000	N		
Hardware ^(t)		2016	Birdon America Inc / Denver	C / FFP	TACOM, Warren, MI	Apr 2016	Dec 2016	24	621.000	N		

^(t) indicates the presence of a P-21

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Exhibit P-21, Production Schedule: PB 2016 Army													Date: February 2015																
Appropriation / Budget Activity / Budget Sub Activity: 2035A / 03 / 15								P-1 Line Item Number / Title: MA8890 / Tactical Bridge, Float-Ribbon											Item Number / Title [DODIC]: M27200 / BRIDGE, FLOAT-RIBBON, PROPULSION										

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

Hardware																																						
Prior Years Deliveries: 258																																						
1	2014	ARMY (III)	6	6	-																											-						
1	2015	ARMY (IV)	6	-	6	-	-	2	2	2																											-	
1	2016	ARMY (V)	24	-	24														A	-	-	-	-	-	-	-	2	2	2	2	2	2	2	2	2	2	2	4
						O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	B A L								

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Exhibit P-21, Production Schedule: PB 2016 Army														Date: February 2015															
Appropriation / Budget Activity / Budget Sub Activity: 2035A / 03 / 15										P-1 Line Item Number / Title: MA8890 / Tactical Bridge, Float-Ribbon										Item Number / Title [DODIC]: M27200 / BRIDGE, FLOAT-RIBBON, PROPULSION									

Cost Elements <i>(Units in Each)</i>						Fiscal Year 2018												Fiscal Year 2019													
O C C O	M F R #	FY	SERVICE	PROC QTY	ACCEPT PRIOR TO 1 OCT 2017	BAL DUE AS OF 1 OCT	Calendar Year 2018												Calendar Year 2019												
							O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	B A L
Hardware																															
Prior Years Deliveries: 258																															
	1	2014	ARMY (III)	6	6	-																									
	1	2015	ARMY (IV)	6	6	-																									
	1	2016	ARMY (V)	24	20	4	2	2																							
							O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	B A L

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Exhibit P-21, Production Schedule: PB 2016 Army				Date: February 2015					
Appropriation / Budget Activity / Budget Sub Activity: 2035A / 03 / 15			P-1 Line Item Number / Title: MA8890 / Tactical Bridge, Float-Ribbon				Item Number / Title [DODIC]: M27200 / BRIDGE, FLOAT-RIBBON, PROPULSION		

MFR Ref #	MFR Name - Location	Production Rates (Each / Month)			Procurement Leadtime (Months)							
		MSR For 2016	1-8-5 For 2016	MAX For 2016	Initial			Reorder				
					ALT Prior to Oct 1	ALT After Oct 1	Mfg PLT	ALT Prior to Oct 1	ALT After Oct 1	Mfg PLT	Total After Oct 1	
1	Birdon America Inc - Denver	2	6	8	-	14	12	26	-	4	8	12

Remarks:
Production rates are monthly.FY14 contract award delayed due to protest.

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

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

Service/Agency Suffixes:

- (III) BASE
- (IV) BASE
- (V) BASE

UNCLASSIFIED

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

Appropriation / Budget Activity / Budget Sub Activity: 2035A: Other Procurement, Army / BA 03: Other Support Equipment / BSA 15: Bridging Equipment	P-1 Line Item Number / Title: G06520 / BRIDGE SUPPLEMENTAL SET
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ID Code (A=Service Ready, B=Not Service Ready) :	Program Elements for Code B Items:						Other Related Program Elements:					
Resource Summary	Prior Years	FY 2014	FY 2015	FY 2016 Base	FY 2016 OCO	FY 2016 Total	FY 2017	FY 2018	FY 2019	FY 2020	To Complete	Total
Procurement Quantity (Units in Each)	-	-	-	5	-	5	4	5	4	-	-	18
Gross/Weapon System Cost (\$ in Millions)	-	-	-	4.959	-	4.959	3.965	4.956	3.965	-	-	17.845
Less PY Advance Procurement (\$ in Millions)	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P1) (\$ in Millions)	-	-	-	4.959	-	4.959	3.965	4.956	3.965	-	-	17.845
Plus CY Advance Procurement (\$ in Millions)	-	-	-	-	-	-	-	-	-	-	-	-
Total Obligation Authority (\$ in Millions)	-	-	-	4.959	-	4.959	3.965	4.956	3.965	-	-	17.845

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

Initial Spares (\$ in Millions)	-	-	-	-	-	-	-	-	-	-	-	-
Flyaway Unit Cost (\$ in Thousands)	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Unit Cost (\$ in Thousands)	-	-	-	991.800	-	991.800	991.250	991.200	991.250	-	-	991.389

Description:

The Bridge Supplemental Set (BSS) is a set of equipment that will support US Army Engineers during bridging operations. The BSS is composed of several subsystems, including the Anchorage Kit, Bridge Protection Device, Site Stability, Power Generator, and Special Tools as well as Containers and/or Racks for storage, organization, and transport. The Anchorage kit is a means to hold float bridging such as Improved Ribbon Bridge (IRB) in place during extended emplacements. The Bridge Protection Device is utilized to stop debris from contacting float bridging assets while emplaced. The Site Stability enhances traction for traffic to and from the bridging site in soft, muddy, or sandy crossing conditions. The Power Generator and Special tools will come from existing Army inventory through General Service Agency (GSA). An M1077 flatracks or equivalent will be utilized for protection, security, transportation, and storage of all the sub-systems based on architecture or layout. All of the sub-systems (Anchorage, Site Stability, Bridge Protection, Power Generation and Special Tools) must be transported on a total of four or fewer M1077 Pallets or equivalent and be capable of being transported by the Common Bridge Transporter (under 22,000 Lbs per load). A load is described as one pallet and its contents to include the weight of the pallet itself. The BSS unit of issue will be two per Multi-Role Bridge Company (MRBC).
AAO: 56

Secondary Distribution	FY 2014	FY 2015	FY 2016 Base	FY 2016 OCO	FY 2016 Total	FY 2017	FY 2018	FY 2019	FY 2020
Army									
Quantity	-	-	5	-	5	4	5	4	-
Total Obligation Authority	-	-	4.959	-	4.959	3.965	4.956	3.965	-
Total: Secondary Distribution									
Quantity	-	-	5	-	5	4	5	4	-
Total Obligation Authority	-	-	4.959	-	4.959	3.965	4.956	3.965	-

Justification:

UNCLASSIFIED

Exhibit P-40, Budget Line Item Justification: PB 2016 Army		Date: February 2015
Appropriation / Budget Activity / Budget Sub Activity: 2035A: Other Procurement, Army / BA 03: Other Support Equipment / BSA 15: Bridging Equipment		P-1 Line Item Number / Title: G06520 / BRIDGE SUPPLEMENTAL SET
ID Code (A=Service Ready, B=Not Service Ready) :	Program Elements for Code B Items:	Other Related Program Elements:
<p>FY 2016 Base Procurement dollars in the amount of \$4.959 million procures 5 Bridge Supplemental Sets in support of Active Army Requirements. FY 2016 funding will field the 35th Engineer Training Battalion at Fort Leonard Wood, Missouri with one Bridge Supplemental Set. The 74th MRBC at Fort Hood, Texas and 50th MRBC at Fort Leonard Wood, Missouri will receive two Bridge Supplemental Sets each per the distribution requirements. All three locations are active component units.</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>		

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

Appropriation / Budget Activity / Budget Sub Activity: 2035A: Other Procurement, Army / BA 03: Other Support Equipment / BSA 15: Bridging Equipment	P-1 Line Item Number / Title: G07000 / Common Bridge Transporter (CBT) Recap
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ID Code (A=Service Ready, B=Not Service Ready) :	Program Elements for Code B Items:						Other Related Program Elements:					
Resource Summary	Prior Years	FY 2014	FY 2015	FY 2016 Base	FY 2016 OCO	FY 2016 Total	FY 2017	FY 2018	FY 2019	FY 2020	To Complete	Total
Procurement Quantity (Units in Each)	-	32	34	120	-	120	47	50	17	29	-	329
Gross/Weapon System Cost (\$ in Millions)	-	4.756	11.013	52.546	-	52.546	23.577	27.345	11.762	20.079	-	151.078
Less PY Advance Procurement (\$ in Millions)	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P1) (\$ in Millions)	-	4.756	11.013	52.546	-	52.546	23.577	27.345	11.762	20.079	-	151.078
Plus CY Advance Procurement (\$ in Millions)	-	-	-	-	-	-	-	-	-	-	-	-
Total Obligation Authority (\$ in Millions)	-	4.756	11.013	52.546	-	52.546	23.577	27.345	11.762	20.079	-	151.078

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

Initial Spares (\$ in Millions)	-	-	-	-	-	-	-	-	-	-	-	-
Flyaway Unit Cost (\$ in Thousands)	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Unit Cost (\$ in Thousands)	-	148.625	323.912	437.883	-	437.883	501.638	546.900	691.882	692.379	-	459.204

Description:

The M1977A4 Common Bridge Transporter (CBT) and M1064 Palletized Load System Trailer (PLST) are part of the Ribbon Bridge System. The CBT transports and launches the Bridge Erection Boat (BEB) and Improved Ribbon Bridge (IRB) Bays using the M14 Improved Boat Cradle (IBC) and the M15 Bridge Adapter Pallet (BAP) in the Multi-Role Bridge Company (MRBC). The CBT is also the transporter and launch vehicle for the Rapidly Emplaced Bridge System (REBS) supporting the 9 Stryker Brigade Combat Teams (SBCT) and 5 Airborne Companies. The Army plans to recapitalize 50% of the CBT fleet; 12 MRBCs (56 each), 9 SBCTs (4 each), 5 Airborne Companies (2 each), 1 Theater Provided Equipment (TPE) set (56) and 12 CBTs in the training base.

AAO: 786

Secondary Distribution	FY 2014	FY 2015	FY 2016 Base	FY 2016 OCO	FY 2016 Total	FY 2017	FY 2018	FY 2019	FY 2020	
Army	Quantity	32	34	120	-	120	47	50	17	29
	Total Obligation Authority	4.756	11.013	52.546	-	52.546	23.577	27.345	11.762	20.079
Total: Secondary Distribution	Quantity	32	34	120	-	120	47	50	17	29
	Total Obligation Authority	4.756	11.013	52.546	-	52.546	23.577	27.345	11.762	20.079

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

Appropriation / Budget Activity / Budget Sub Activity: 2035A: Other Procurement, Army / BA 03: Other Support Equipment / BSA 15: Bridging Equipment	P-1 Line Item Number / Title: G07000 / Common Bridge Transporter (CBT) Recap
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ID Code (A=Service Ready, B=Not Service Ready) :			Program Elements for Code B Items:			Other Related Program Elements:		
Exhibits Schedule			Prior Years	FY 2014	FY 2015	FY 2016 Base	FY 2016 OCO	FY 2016 Total
Title*	Exhibits	ID CD	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)
G07000 / Common Bridge Transporter (CBT) Recap	P-5, P-5a, P-21		- / -	32 / 4.756	34 / 11.013	120 / 52.546	- / -	120 / 52.546
Total Gross/Weapon System Cost			- / -	32 / 4.756	34 / 11.013	120 / 52.546	- / -	120 / 52.546

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

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

Justification:
 FY 2016 Base procurement dollars in the amount of \$52.546 million supports the recapitalization of 120 Common Bridge Transporters. The currently fielded M1977A0 and M1977A2 CBTs have significant obsolescence issues due to armor, electrical, and powertrain improvements. The M1977A4 provides the Soldier with key survivability requirements to include a Long Term Armor Strategy (LTAS) compliant cab, new engine and transmission, air ride suspension, anti-lock brakes and traction control, and an updated electrical system to support current and future communications equipment and diagnostic/prognostics systems.

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

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Exhibit P-5, Cost Analysis: PB 2016 Army		Date: February 2015
Appropriation / Budget Activity / Budget Sub Activity: 2035A / 03 / 15	P-1 Line Item Number / Title: G07000 / Common Bridge Transporter (CBT) Recap	Item Number / Title [DODIC]: G07000 / Common Bridge Transporter (CBT) Recap

ID Code (A=Service Ready, B=Not Service Ready) :	MDAP/MAIS Code:
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Resource Summary	Prior Years	FY 2014	FY 2015	FY 2016 Base	FY 2016 OCO	FY 2016 Total
Procurement Quantity (Units in Each)	-	32	34	120	-	120
Gross/Weapon System Cost (\$ in Millions)	-	4.756	11.013	52.546	-	52.546
Less PY Advance Procurement (\$ in Millions)	-	-	-	-	-	-
Net Procurement (P1) (\$ in Millions)	-	4.756	11.013	52.546	-	52.546
Plus CY Advance Procurement (\$ in Millions)	-	-	-	-	-	-
Total Obligation Authority (\$ in Millions)	-	4.756	11.013	52.546	-	52.546

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

Initial Spares (\$ in Millions)	-	-	-	-	-	-
Gross/Weapon System Unit Cost (\$ in Thousands)	-	148.625	323.912	437.883	-	437.883

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

Cost Elements	Prior Years			FY 2014			FY 2015			FY 2016 Base			FY 2016 OCO			FY 2016 Total		
	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)
Flyaway Cost																		
Recurring Cost																		
M1977A4 CBT RECAP ^(†)	-	-	-	63.000	32	2.016	245.000	34	8.330	375.000	120	45.000	-	-	-	375.000	120	45.000
FRET	-	-	-	-	-	0.440	-	-	0.958	-	-	5.160	-	-	-	-	-	5.160
Engineering Changes	-	-	-	-	-	-	-	-	0.050	-	-	0.100	-	-	-	-	-	0.100
System Engineering/ Program Management	-	-	-	-	-	0.900	-	-	1.350	-	-	1.500	-	-	-	-	-	1.500
Data	-	-	-	-	-	1.100	-	-	0.025	-	-	-	-	-	-	-	-	-
Fielding	-	-	-	-	-	0.300	-	-	0.300	-	-	0.786	-	-	-	-	-	0.786
<i>Subtotal: Recurring Cost</i>	-	-	-	-	-	4.756	-	-	11.013	-	-	52.546	-	-	-	-	-	52.546
<i>Subtotal: Flyaway Cost</i>	-	-	-	-	-	4.756	-	-	11.013	-	-	52.546	-	-	-	-	-	52.546
Gross/Weapon System Cost	-	-	-	148.625	32	4.756	323.912	34	11.013	437.883	120	52.546	-	-	-	437.883	120	52.546

Secondary Distribution		FY 2014	FY 2015	FY 2016 Base	FY 2016 OCO	FY 2016 Total
Army	Quantity	32	34	120	-	120
	Total Obligation Authority	4.756	11.013	52.546	-	52.546
Total:	Quantity	32	34	120	-	120
Secondary Distribution	Total Obligation Authority	4.756	11.013	52.546	-	52.546

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Exhibit P-5, Cost Analysis: PB 2016 Army		Date: February 2015
Appropriation / Budget Activity / Budget Sub Activity: 2035A / 03 / 15	P-1 Line Item Number / Title: G07000 / Common Bridge Transporter (CBT) Recap	Item Number / Title [DODIC]: G07000 / Common Bridge Transporter (CBT) Recap
ID Code (A=Service Ready, B=Not Service Ready) :		MDAP/MAIS Code:
^(†) indicates the presence of a P-5a		

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Exhibit P-5a, Procurement History and Planning: PB 2016 Army							Date: February 2015					
Appropriation / Budget Activity / Budget Sub Activity: 2035A / 03 / 15			P-1 Line Item Number / Title: G07000 / Common Bridge Transporter (CBT) Recap				Item Number / Title [DODIC]: G07000 / Common Bridge Transporter (CBT) Recap					

Cost Elements	O C O	FY	Contractor and Location	Method/Type or Funding Vehicle	Location of PCO	Award Date	Date of First Delivery	Qty <i>(Each)</i>	Unit Cost <i>(\$ K)</i>	Specs Avail Now?	Date Revision Available	RFP Issue Date
M1977A4 CBT RECAP ^(†)		2014	Oshkosh Corp / Oshkosh	SS / FFP	TACOM, Warren, MI	Mar 2015	Nov 2015	32	63.000	N		
M1977A4 CBT RECAP ^(†)		2015	Oshkosh Corp / Oshkosh	SS / FFP	TACOM, Warren, MI	Mar 2015	Nov 2015	34	245.000	N		
M1977A4 CBT RECAP ^(†)		2016	Oshkosh Corp / Oshkosh	SS / FFP	TACOM, Warren, MI	Mar 2016	Nov 2016	120	375.000	N		

^(†) indicates the presence of a P-21

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Exhibit P-21, Production Schedule: PB 2016 Army																							Date: February 2015								
Appropriation / Budget Activity / Budget Sub Activity: 2035A / 03 / 15										P-1 Line Item Number / Title: G07000 / Common Bridge Transporter (CBT) Recap										Item Number / Title [DODIC]: G07000 / Common Bridge Transporter (CBT) Recap											
Cost Elements (Units in Each)							Fiscal Year 2015										Fiscal Year 2016														
O C C O	M F R #	FY	SERVICE	PROC QTY	ACCEPT PRIOR TO 1 OCT 2014	BAL DUE AS OF 1 OCT	Calendar Year 2015										Calendar Year 2016														
							O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	B A L
M1977A4 CBT RECAP																															
	1	2014	ARMY	32	-	32																									
	1	2015	ARMY	34	-	34																									
	1	2016	ARMY	120	-	120																									
							O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	B A L

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Exhibit P-21, Production Schedule: PB 2016 Army														Date: February 2015															
Appropriation / Budget Activity / Budget Sub Activity: 2035A / 03 / 15										P-1 Line Item Number / Title: G07000 / Common Bridge Transporter (CBT) Recap										Item Number / Title [DODIC]: G07000 / Common Bridge Transporter (CBT) Recap									

Cost Elements <i>(Units in Each)</i>						Fiscal Year 2017														Fiscal Year 2018														
O C C #	M F R #	FY	SERVICE	PROC QTY	ACCEPT PRIOR TO 1 OCT 2016	BAL DUE AS OF 1 OCT	Calendar Year 2017														Calendar Year 2018													
							O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	B A L			
M1977A4 CBT RECAP																																		
	1	2014	ARMY	32	32	-																												
	1	2015	ARMY	34	34	-																												
	1	2016	ARMY	120	-	120	-	10	10	10	10	10	10	10	10	10	10																	
							O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	B A L			

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Exhibit P-21, Production Schedule: PB 2016 Army		Date: February 2015
Appropriation / Budget Activity / Budget Sub Activity: 2035A / 03 / 15		P-1 Line Item Number / Title: G07000 / Common Bridge Transporter (CBT) Recap
		Item Number / Title [DODIC]: G07000 / Common Bridge Transporter (CBT) Recap

MFR Ref #	MFR Name - Location	Production Rates (Each / Month)			Procurement Leadtime (Months)							
		MSR For 2016	1-8-5 For 2016	MAX For 2016	Initial				Reorder			
					ALT Prior to Oct 1	ALT After Oct 1	Mfg PLT	Total After Oct 1	ALT Prior to Oct 1	ALT After Oct 1	Mfg PLT	Total After Oct 1
1	Oshkosh Corp - Oshkosh	20	924	2,520	-	18	8	26	-	6	8	14

Remarks:
 Government EOQ 1-8-5 production rate (924/month) accommodates mix of government and commercial production on contractor's integrated production line. Max rate (2520/month) reflects contractor capacity using second and third shifts dedicated to government production. Production rates may change if another contractor is awarded the contract. Minimum production is one heavy truck per day.

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

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

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

Appropriation / Budget Activity / Budget Sub Activity: 2035A: Other Procurement, Army / BA 03: Other Support Equipment / BSA 20: Engineer (Non-Construction) Equipment	P-1 Line Item Number / Title: R68400 / Grnd Standoff Mine Detectn Sysm (GSTAMIDS)
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ID Code (A=Service Ready, B=Not Service Ready) :			Program Elements for Code B Items:					Other Related Program Elements:				
Resource Summary	Prior Years	FY 2014	FY 2015	FY 2016 Base	FY 2016 OCO	FY 2016 Total	FY 2017	FY 2018	FY 2019	FY 2020	To Complete	Total
Procurement Quantity (Units in Each)	-	-	155	342	-	342	31	108	107	65	Continuing	Continuing
Gross/Weapon System Cost (\$ in Millions)	-	-	37.649	58.682	-	58.682	17.634	29.670	30.038	19.531	Continuing	Continuing
Less PY Advance Procurement (\$ in Millions)	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P1) (\$ in Millions)	-	-	37.649	58.682	-	58.682	17.634	29.670	30.038	19.531	Continuing	Continuing
Plus CY Advance Procurement (\$ in Millions)	-	-	-	-	-	-	-	-	-	-	-	-
Total Obligation Authority (\$ in Millions)	-	-	37.649	58.682	-	58.682	17.634	29.670	30.038	19.531	Continuing	Continuing
<i>(The following Resource Summary rows are for informational purposes only. The corresponding budget requests are documented elsewhere.)</i>												
Initial Spares (\$ in Millions)	-	-	-	-	-	-	-	-	-	-	-	-
Flyaway Unit Cost (\$ in Thousands)	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Unit Cost (\$ in Thousands)	-	-	242.897	171.585	-	171.585	568.839	274.722	280.729	300.477	Continuing	Continuing

Description:

This is an All Types line covering ground vehicle mounted or towed landmine detection, marking and neutralization systems. This Program Element contributes to Area Access (A2) to support unified land operations and improve soldier survivability. This line is used to procure Improvised Explosive Devices (IED) and landmine detection, interrogation, neutralization, protection, Area Access, route clearance and area clearance capabilities. Procurement of improved detection, interrogation, neutralization and protection capabilities for mine, IED and Explosive Hazard threats are needed as technology becomes available. This exhibit contains the following programs:

Vehicle Optics Sensor System (VOSS)

VOSS provides a telescoping, gyro-stabilized, high resolution, triple sensor (day camera, Image Intensify Night Vision Sensor and an Infrared Sensor) surveillance system to optically detect from standoff distances, explosive hazards (Improvised Explosive Device (IEDs) and landmines), and their trigger sources. VOSS is mounted on Medium Mine Protected Vehicles (MMPV) located within Route Clearance Platoons and Explosive Ordnance Disposal (EOD) Companies. PM Ground Sensors received an Acquisition Decision Memorandum (ADM) for a successful MS-C decision from the Milestone Decision Authority (MDA), Program Executive Office Intelligence Electronic Warfare and Sensors (PEO IEW&S) on 7 November 2014. PM Ground Sensors is pursuing an acquisition approach which harvests Quick Reaction Capability (QRC) procured systems for refresh and insertion into the Program of Record (POR). The refresh and repair effort will be conducted at Tobyhanna Army Depot.

Explosive Hazard Pre-Detonation (EHP)

EHP provides the capability of a Roller System (on the MMPV Type II), Debris Blower (on the Buffalo Mine Protected Clearance Vehicle), and Wire Neutralization (on the Husky based Vehicle Mounted Mine Detection system). EHP enhances route clearance capabilities while on the move to detect (by encounter), neutralize and survive against a full spectrum of explosive hazard landmines, IEDs, Explosively Formed Penetrator, unexploded ordnance, battlefield munitions and trigger their mechanisms while conducting route clearance operations.

Mine Clearing Vehicle (MCV)

The M1271 Mine Clearing Vehicle is a medium, commercially available, blast protected, mechanical flail. The MCV is a manually controlled, self powered vehicle with an adjustable depth flail head designed to clear large areas of anti-tank and anti-personnel land mines.

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

Appropriation / Budget Activity / Budget Sub Activity: 2035A: Other Procurement, Army / BA 03: Other Support Equipment / BSA 20: Engineer (Non-Construction) Equipment	P-1 Line Item Number / Title: R68400 / Grnd Standoff Mine Detectn Syst (GSTAMIDS)
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ID Code (A=Service Ready, B=Not Service Ready) :		Program Elements for Code B Items:				Other Related Program Elements:				
Secondary Distribution		FY 2014	FY 2015	FY 2016 Base	FY 2016 OCO	FY 2016 Total	FY 2017	FY 2018	FY 2019	FY 2020
Army	Quantity	-	103	200	-	200	17	40	33	18
	Total Obligation Authority	-	24.838	48.032	-	48.032	8.369	12.279	7.762	2.904
ANG	Quantity	-	26	-	-	-	2	42	52	29
	Total Obligation Authority	-	6.405	-	-	-	3.047	13.449	15.530	14.542
AR	Quantity	-	26	142	-	142	12	26	22	18
	Total Obligation Authority	-	6.406	10.650	-	10.650	6.218	3.942	6.746	2.085
Total:	Quantity	-	155	342	-	342	31	108	107	65
Secondary Distribution	Total Obligation Authority	-	37.649	58.682	-	58.682	17.634	29.670	30.038	19.531

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

Appropriation / Budget Activity / Budget Sub Activity: 2035A: Other Procurement, Army / BA 03: Other Support Equipment / BSA 20: Engineer (Non-Construction) Equipment	P-1 Line Item Number / Title: R68400 / Grnd Standoff Mine Detectn Systm (GSTAMIDS)
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ID Code (A=Service Ready, B=Not Service Ready) :			Program Elements for Code B Items:			Other Related Program Elements:		
Exhibits Schedule			Prior Years	FY 2014	FY 2015	FY 2016 Base	FY 2016 OCO	FY 2016 Total
Title*	Exhibits	ID CD	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)
R68102 / GRND STANDOFF MINE DETECTN SYSM (GSTAMIDS)BLK 1	P-5, P-5a, P-21		- / -	- / -	155 / 37.649	342 / 58.682	- / -	342 / 58.682
Total Gross/Weapon System Cost			- / -	- / -	155 / 37.649	342 / 58.682	- / -	342 / 58.682

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

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

Justification:
 FY 2016 Base procurement dollars in the amount of \$31.719 million supports the VOSS refresh and upgrade effort at Tobyhanna Army Depot.
 FY2016 Base procurement dollars in the amount of \$21.152 million also supports the procurement quantities of EHP Roller System and quantities to complete the Debris Blower Army Acquisition Objective, Completes Logistic Development (Operator and Maintenance Manuals), Engineering Change Proposals (ECPs) to Virtual Clearance Training Suites (VCTS) to incorporate EHP capabilities into the current fleet of Route Clearance Virtual Trainers, and Training Aids (i.e. Desk Top Trainers and Live Training Aids), and \$5.811 million supports the fielding of previously procured MCVs with Interim Contractor Support (ICS), and ECPs to VCTS to incorporate MCV capabilities into the current fleet of Route Clearance Trainers.

Total FY2016 Base procurement dollars in this funding line are \$58,682 million.

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Exhibit P-5, Cost Analysis: PB 2016 Army					Date: February 2015			
Appropriation / Budget Activity / Budget Sub Activity: 2035A / 03 / 20			P-1 Line Item Number / Title: R68400 / Grnd Standoff Mine Detectn Systm (GSTAMIDS)			Item Number / Title [DODIC]: R68102 / GRND STANDOFF MINE DETECTN SYSM (GSTAMIDS)BLK 1		
ID Code (A=Service Ready, B=Not Service Ready) :					MDAP/MAIS Code:			
Resource Summary			Prior Years	FY 2014	FY 2015	FY 2016 Base	FY 2016 OCO	FY 2016 Total
Procurement Quantity (Units in Each)			-	-	155	342	-	342
Gross/Weapon System Cost (\$ in Millions)			-	-	37.649	58.682	-	58.682
Less PY Advance Procurement (\$ in Millions)			-	-	-	-	-	-
Net Procurement (P1) (\$ in Millions)			-	-	37.649	58.682	-	58.682
Plus CY Advance Procurement (\$ in Millions)			-	-	-	-	-	-
Total Obligation Authority (\$ in Millions)			-	-	37.649	58.682	-	58.682
<i>(The following Resource Summary rows are for informational purposes only. The corresponding budget requests are documented elsewhere.)</i>								
Initial Spares (\$ in Millions)			-	-	-	-	-	-
Gross/Weapon System Unit Cost (\$ in Thousands)			-	-	242.897	171.585	-	171.585

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

Cost Elements	Prior Years			FY 2014			FY 2015			FY 2016 Base			FY 2016 OCO			FY 2016 Total		
	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)
Hardware Cost																		
Recurring Cost																		
EHP Program Mgt	-	-	-	-	-	-	-	-	-	-	-	2.500	-	-	-	-	-	2.500
EHP VCTS (ECPs) / Training Aids	-	-	-	-	-	-	-	-	-	-	-	5.113	-	-	-	-	-	5.113
Roller System Production ^(t)	-	-	-	-	-	-	-	-	-	215.000	2	0.430	-	-	-	215.000	2	0.430
Debris Blower Production ^(t)	-	-	-	-	-	-	-	-	-	40.800	156	6.365	-	-	-	40.800	156	6.365
Debris Blower STTE	-	-	-	-	-	-	-	-	-	-	-	0.078	-	-	-	-	-	0.078
Debris Blower Fielding	-	-	-	-	-	-	-	-	-	-	-	1.300	-	-	-	-	-	1.300
Debris Blower Spares	-	-	-	-	-	-	-	-	-	-	-	0.312	-	-	-	-	-	0.312
EHP Log Development	-	-	-	-	-	-	-	-	7.300	-	-	5.054	-	-	-	-	-	5.054
MCV Fielding support	-	-	-	-	-	-	-	-	1.500	-	-	1.576	-	-	-	-	-	1.576
MCV VCTS (ECPs)	-	-	-	-	-	-	-	-	-	-	-	4.235	-	-	-	-	-	4.235
HW Refresh Effort	-	-	-	-	-	-	99.239	155	15.382	105.505	184	19.413	-	-	-	105.505	184	19.413
DLA & CECOM Spares	-	-	-	-	-	-	-	-	2.796	-	-	-	-	-	-	-	-	-
Engineering Support	-	-	-	-	-	-	-	-	1.161	-	-	1.029	-	-	-	-	-	1.029
Project Management Office	-	-	-	-	-	-	-	-	1.770	-	-	1.913	-	-	-	-	-	1.913
Logistics Support	-	-	-	-	-	-	-	-	0.665	-	-	0.704	-	-	-	-	-	0.704

UNCLASSIFIED

Exhibit P-5, Cost Analysis: PB 2016 Army		Date: February 2015
Appropriation / Budget Activity / Budget Sub Activity: 2035A / 03 / 20	P-1 Line Item Number / Title: R68400 / Grnd Standoff Mine Detectn Systm (GSTAMIDS)	Item Number / Title [DODIC]: R68102 / GRND STANDOFF MINE DETECTN SYSM (GSTAMIDS)BLK 1

ID Code (A=Service Ready, B=Not Service Ready) :	MDAP/MAIS Code:
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Note: Subtotals or Totals in this Exhibit P-5 may not be exact or add, due to rounding.

Cost Elements	Prior Years			FY 2014			FY 2015			FY 2016 Base			FY 2016 OCO			FY 2016 Total		
	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)
Tobyhanna Refresh Labor	-	-	-	-	-	-	-	-	0.835	-	-	1.691	-	-	-	-	-	1.691
Fielding	-	-	-	-	-	-	-	-	2.347	-	-	2.603	-	-	-	-	-	2.603
Virtual Clearance Training Suite HW	-	-	-	-	-	-	-	-	2.231	-	-	-	-	-	-	-	-	-
Initial Spares	-	-	-	-	-	-	-	-	1.662	-	-	2.389	-	-	-	-	-	2.389
TYAD Fabrication of Cables & Brushguard	-	-	-	-	-	-	-	-	-	-	-	1.977	-	-	-	-	-	1.977
<i>Subtotal: Recurring Cost</i>	-	-	-	-	-	-	-	-	37.649	-	-	58.682	-	-	-	-	-	58.682
<i>Subtotal: Hardware Cost</i>	-	-	-	-	-	-	-	-	37.649	-	-	58.682	-	-	-	-	-	58.682
Gross/Weapon System Cost	-	-	-	-	-	-	242.897	155	37.649	171.585	342	58.682	-	-	-	171.585	342	58.682

Secondary Distribution		FY 2014	FY 2015	FY 2016 Base	FY 2016 OCO	FY 2016 Total
Army	Quantity	-	103	200	-	200
	Total Obligation Authority	-	24.838	48.032	-	48.032
ANG	Quantity	-	26	-	-	-
	Total Obligation Authority	-	6.405	-	-	-
AR	Quantity	-	26	142	-	142
	Total Obligation Authority	-	6.406	10.650	-	10.650
Total: Secondary Distribution	Quantity	-	155	342	-	342
	Total Obligation Authority	-	37.649	58.682	-	58.682

(†) indicates the presence of a P-5a

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Exhibit P-5a, Procurement History and Planning: PB 2016 Army							Date: February 2015					
Appropriation / Budget Activity / Budget Sub Activity: 2035A / 03 / 20			P-1 Line Item Number / Title: R68400 / Grnd Standoff Mine Detectn Systm (GSTAMIDS)				Item Number / Title [DODIC]: R68102 / GRND STANDOFF MINE DETECTN SYSM (GSTAMIDS)BLK 1					

Cost Elements	O C O	FY	Contractor and Location	Method/Type or Funding Vehicle	Location of PCO	Award Date	Date of First Delivery	Qty <i>(Each)</i>	Unit Cost <i>(\$ K)</i>	Specs Avail Now?	Date Revision Available	RFP Issue Date
Roller System Production ^(†)		2016	TBS / TBS	MIPR	TACOM, Warren, MI	Dec 2015	May 2016	2	215.000			
Debris Blower Production ^(†)		2016	Buffalo Turbine / Springville, NY	SS / FFP	TACOM, Warren, MI	Mar 2016	Jun 2016	156	40.800	N		

^(†) indicates the presence of a P-21

Remarks:

EHP - Roller System is to be acquired through the Depot System.

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Exhibit P-21, Production Schedule: PB 2016 Army		Date: February 2015
Appropriation / Budget Activity / Budget Sub Activity: 2035A / 03 / 20		P-1 Line Item Number / Title: R68400 / Grnd Standoff Mine Detectn Systm (GSTAMIDS)
		Item Number / Title [DODIC]: R68102 / GRND STANDOFF MINE DETECTN SYSM (GSTAMIDS)BLK 1

MFR Ref #	MFR Name - Location	Production Rates (Each / Month)			Procurement Leadtime (Months)							
		MSR For 2016	1-8-5 For 2016	MAX For 2016	Initial			Reorder				
					ALT Prior to Oct 1	ALT After Oct 1	Mfg PLT	ALT Prior to Oct 1	ALT After Oct 1	Mfg PLT	Total After Oct 1	
1	TBS - TBS	1	5	10	-	3	5	8	-	3	2	5
2	Buffalo Turbine - Springville, NY	1	13	26	-	6	3	9	-	-	-	-

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

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

Appropriation / Budget Activity / Budget Sub Activity: 2035A: Other Procurement, Army / BA 03: Other Support Equipment / BSA 20: Engineer (Non-Construction) Equipment	P-1 Line Item Number / Title: R64001 / HUSKY MOUNTED DETECTION SYSTEM (HMDS)
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ID Code (A=Service Ready, B=Not Service Ready) :	Program Elements for Code B Items:						Other Related Program Elements:					
Resource Summary	Prior Years	FY 2014	FY 2015	FY 2016 Base	FY 2016 OCO	FY 2016 Total	FY 2017	FY 2018	FY 2019	FY 2020	To Complete	Total
Procurement Quantity (Units in Each)	-	-	84	40	-	40	22	87	127	144	-	504
Gross/Weapon System Cost (\$ in Millions)	-	-	18.545	13.565	-	13.565	14.446	54.828	91.117	97.123	-	289.624
Less PY Advance Procurement (\$ in Millions)	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P1) (\$ in Millions)	-	-	18.545	13.565	-	13.565	14.446	54.828	91.117	97.123	-	289.624
Plus CY Advance Procurement (\$ in Millions)	-	-	-	-	-	-	-	-	-	-	-	-
Total Obligation Authority (\$ in Millions)	-	-	18.545	13.565	-	13.565	14.446	54.828	91.117	97.123	-	289.624

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

Initial Spares (\$ in Millions)	-	-	-	-	-	-	-	-	-	-	-	-
Flyaway Unit Cost (\$ in Thousands)	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Unit Cost (\$ in Thousands)	-	-	220.774	339.125	-	339.125	656.636	630.207	717.457	674.465	-	574.651

Description:

This line is used to procure Improvised Explosive Devices (IED) and landmine detection, interrogation, neutralization, protection, route clearance and area clearance capabilities required for future battlefields. Procurements of improved detection, neutralization, and protection capabilities for mine and IED threats are expected as technology becomes available.

The Husky Mounted Detection System (HMDS) is a counter-explosive device capability that provides standoff detection and marking of metallic and low-metallic surface-laid and shallow-buried antitank landmines, unexploded ordnance, trigger mechanisms, and deep buried metallic improvised explosive devices (IEDs) and metallic encased caches in support of route and area-clearance operations. It provides area access and freedom of movement for the Commander. HMDS is a mission equipment package, mounted on the Husky route clearance vehicle, which consists of a Ground Penetrating Radar (GPR), Deep Buried Detection (DBD) capability, and Semi-Autonomous Control (SAC) capability. Program is broken out into three increments. The GPR (Increment A1) will detect and accurately mark a broad spectrum of suspected explosive hazards and trigger mechanisms in a wider range of road surfaces and varying soil conditions. The DBD capability (Increment A2) will detect and accurately mark suspected deep buried metallic Improvised Explosive Devices (IEDs) and metallic encased caches. The SAC capability (Increment B) will enable an operator to remotely and semi-autonomously control all functions of the Husky and HMDS from inside the Mine Protected Clearance Vehicle, improving survivability of the operator during the detection mission. The HMDS Common Operating Group (COG) is comprised of the Common Installation Kits, DBD Trainer and GPR Trainer. The Army Acquisition Objective for the GPR trainer, GPR, DBD, SAC, and COG are as follows: 696, 696, 348, 348, and 696.

Secondary Distribution		FY 2014	FY 2015	FY 2016 Base	FY 2016 OCO	FY 2016 Total	FY 2017	FY 2018	FY 2019	FY 2020
Army	Quantity	-	50	20	-	20	-	21	19	-
	Total Obligation Authority	-	11.127	6.783	-	6.783	-	11.706	10.361	-
ANG	Quantity	-	17	10	-	10	11	33	54	79
	Total Obligation Authority	-	4.080	3.391	-	3.391	6.405	17.558	22.328	34.814
AR	Quantity	-	17	10	-	10	11	33	54	65

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

Appropriation / Budget Activity / Budget Sub Activity: 2035A: Other Procurement, Army / BA 03: Other Support Equipment / BSA 20: Engineer (Non-Construction) Equipment	P-1 Line Item Number / Title: R64001 / HUSKY MOUNTED DETECTION SYSTEM (HMDS)
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ID Code (A=Service Ready, B=Not Service Ready) :		Program Elements for Code B Items:				Other Related Program Elements:				
Secondary Distribution	FY 2014	FY 2015	FY 2016 Base	FY 2016 OCO	FY 2016 Total	FY 2017	FY 2018	FY 2019	FY 2020	
Total Obligation Authority	-	3.338	3.391	-	3.391	6.405	17.558	22.328	27.504	
Total:										
Secondary Distribution										
Quantity	-	84	40	-	40	22	87	127	144	
Total Obligation Authority	-	18.545	13.565	-	13.565	12.810	46.822	55.017	62.318	

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

Appropriation / Budget Activity / Budget Sub Activity:
 2035A: Other Procurement, Army / BA 03: Other Support Equipment / BSA 20:
 Engineer (Non-Construction) Equipment **P-1 Line Item Number / Title:**
 R64001 / HUSKY MOUNTED DETECTION SYSTEM (HMDS)

ID Code (A=Service Ready, B=Not Service Ready) :			Program Elements for Code B Items:			Other Related Program Elements:		
Exhibits Schedule			Prior Years	FY 2014	FY 2015	FY 2016 Base	FY 2016 OCO	FY 2016 Total
Title*	Exhibits	ID CD	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)
R64002 / HMDS - GROUND PENETRATING RADAR	P-5, P-5a, P-21		- / -	- / -	84 / 18.545	- / -	- / -	- / -
R64005 / HMDS - Common Operating Group (COG)	P-5, P-5a, P-21		- / -	- / -	- / -	40 / 13.565	- / -	40 / 13.565
Total Gross/Weapon System Cost			- / -	- / -	84 / 18.545	40 / 13.565	- / -	40 / 13.565

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

Justification:
 FY 2016 Base procurement dollars in the amount of \$13.565 million procures 40 HMDS Common Operating Group (COG), initial spare/repair parts and services needed to sustain the COG, and technical data necessary to transition the program to organic support.

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Exhibit P-5, Cost Analysis: PB 2016 Army		Date: February 2015
Appropriation / Budget Activity / Budget Sub Activity: 2035A / 03 / 20	P-1 Line Item Number / Title: R64001 / HUSKY MOUNTED DETECTION SYSTEM (HMDS)	Item Number / Title [DODIC]: R64002 / HMDS - GROUND PENETRATING RADAR

ID Code (A=Service Ready, B=Not Service Ready) :				MDAP/MAIS Code:					
Resource Summary				Prior Years	FY 2014	FY 2015	FY 2016 Base	FY 2016 OCO	FY 2016 Total
Procurement Quantity (<i>Units in Each</i>)				-	-	84	-	-	-
Gross/Weapon System Cost (<i>\$ in Millions</i>)				-	-	18.545	-	-	-
Less PY Advance Procurement (<i>\$ in Millions</i>)				-	-	-	-	-	-
Net Procurement (P1) (<i>\$ in Millions</i>)				-	-	18.545	-	-	-
Plus CY Advance Procurement (<i>\$ in Millions</i>)				-	-	-	-	-	-
Total Obligation Authority (<i>\$ in Millions</i>)				-	-	18.545	-	-	-
<i>(The following Resource Summary rows are for informational purposes only. The corresponding budget requests are documented elsewhere.)</i>									
Initial Spares (<i>\$ in Millions</i>)				-	-	-	-	-	-
Gross/Weapon System Unit Cost (<i>\$ in Thousands</i>)				-	-	220.774	-	-	-

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

Cost Elements	Prior Years			FY 2014			FY 2015			FY 2016 Base			FY 2016 OCO			FY 2016 Total		
	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)
Hardware Cost																		
Recurring Cost																		
HMDS GPR TRAINER ^(†)	-	-	-	-	-	-	127.100	84	10.676	-	-	-	-	-	-	-	-	-
Production Engineering	-	-	-	-	-	-	-	-	0.278	-	-	-	-	-	-	-	-	-
Con/Integrated Logistics Support	-	-	-	-	-	-	-	-	0.726	-	-	-	-	-	-	-	-	-
Program Support	-	-	-	-	-	-	-	-	1.855	-	-	-	-	-	-	-	-	-
Technical Data	-	-	-	-	-	-	-	-	1.021	-	-	-	-	-	-	-	-	-
Engineering Changes	-	-	-	-	-	-	-	-	0.235	-	-	-	-	-	-	-	-	-
New Equipment Training	-	-	-	-	-	-	-	-	0.320	-	-	-	-	-	-	-	-	-
Production Phase Testing	-	-	-	-	-	-	-	-	0.203	-	-	-	-	-	-	-	-	-
Initial Spares/Repair Parts	-	-	-	-	-	-	-	-	2.810	-	-	-	-	-	-	-	-	-
Fielding/Initial Support Equipment	-	-	-	-	-	-	-	-	0.421	-	-	-	-	-	-	-	-	-
<i>Subtotal: Recurring Cost</i>	-	-	-	-	-	-	-	-	18.545	-	-	-	-	-	-	-	-	-
<i>Subtotal: Hardware Cost</i>	-	-	-	-	-	-	-	-	18.545	-	-	-	-	-	-	-	-	-
Gross/Weapon System Cost	-	-	-	-	-	-	220.774	84	18.545	-	-	-	-	-	-	-	-	-

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Exhibit P-5, Cost Analysis: PB 2016 Army		Date: February 2015
Appropriation / Budget Activity / Budget Sub Activity: 2035A / 03 / 20	P-1 Line Item Number / Title: R64001 / HUSKY MOUNTED DETECTION SYSTEM (HMDS)	Item Number / Title [DODIC]: R64002 / HMDS - GROUND PENETRATING RADAR

ID Code (A=Service Ready, B=Not Service Ready) :	MDAP/MAIS Code:
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Secondary Distribution		FY 2014	FY 2015	FY 2016 Base	FY 2016 OCO	FY 2016 Total
Army	Quantity	-	50	-	-	-
	Total Obligation Authority	-	11.127	-	-	-
ANG	Quantity	-	17	-	-	-
	Total Obligation Authority	-	4.080	-	-	-
AR	Quantity	-	17	-	-	-
	Total Obligation Authority	-	3.338	-	-	-
Total:	Quantity	-	84	-	-	-
Secondary Distribution	Total Obligation Authority	-	18.545	-	-	-

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

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Exhibit P-5a, Procurement History and Planning: PB 2016 Army							Date: February 2015					
Appropriation / Budget Activity / Budget Sub Activity: 2035A / 03 / 20			P-1 Line Item Number / Title: R64001 / HUSKY MOUNTED DETECTION SYSTEM (HMDS)				Item Number / Title [DODIC]: R64002 / HMDS - GROUND PENETRATING RADAR					
Cost Elements	O C O	FY	Contractor and Location	Method/Type or Funding Vehicle	Location of PCO	Award Date	Date of First Delivery	Qty <i>(Each)</i>	Unit Cost <i>(\$ K)</i>	Specs Avail Now?	Date Revision Available	RFP Issue Date
HMDS GPR TRAINER ^(†)		2015	Tobyhanna Army Depot / Tobyhanna	MIPR	CECOM, FT BELVOIR	Sep 2015	Dec 2015	84	127.100			

^(†) indicates the presence of a P-21

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Exhibit P-21, Production Schedule: PB 2016 Army															Date: February 2015														
Appropriation / Budget Activity / Budget Sub Activity: 2035A / 03 / 20										P-1 Line Item Number / Title: R64001 / HUSKY MOUNTED DETECTION SYSTEM (HMDS)										Item Number / Title [DODIC]: R64002 / HMDS - GROUND PENETRATING RADAR									

Cost Elements <i>(Units in Each)</i>						Fiscal Year 2015												Fiscal Year 2016												
O C C O	M F R #	FY	SERVICE	PROC QTY	ACCEPT PRIOR TO 1 OCT 2014	BAL DUE AS OF 1 OCT	Calendar Year 2015												Calendar Year 2016											
							O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P
HMDS GPR TRAINER																														
	1	2015	ARMY (VI)	84	-	84																								

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Exhibit P-21, Production Schedule: PB 2016 Army								Date: February 2015				
Appropriation / Budget Activity / Budget Sub Activity: 2035A / 03 / 20				P-1 Line Item Number / Title: R64001 / HUSKY MOUNTED DETECTION SYSTEM (HMDS)				Item Number / Title [DODIC]: R64002 / HMDS - GROUND PENETRATING RADAR				
		Production Rates (Each / Month)			Procurement Leadtime (Months)							
MFR Ref #	MFR Name - Location	MSR For 2016	1-8-5 For 2016	MAX For 2016	Initial				Reorder			
					ALT Prior to Oct 1	ALT After Oct 1	Mfg PLT	Total After Oct 1	ALT Prior to Oct 1	ALT After Oct 1	Mfg PLT	Total After Oct 1
1	Tobyhanna Army Depot - Tobyhanna	10	20	20	12	12	3	15	-	8	3	11

Remarks:

MS C occurs June 15

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

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

Service/Agency Suffixes:

^(VI) 2015

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Exhibit P-5, Cost Analysis: PB 2016 Army		Date: February 2015
Appropriation / Budget Activity / Budget Sub Activity: 2035A / 03 / 20	P-1 Line Item Number / Title: R64001 / HUSKY MOUNTED DETECTION SYSTEM (HMDS)	Item Number / Title [DODIC]: R64005 / HMDS - Common Operating Group (COG)

ID Code (A=Service Ready, B=Not Service Ready) :	MDAP/MAIS Code:
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Resource Summary	Prior Years	FY 2014	FY 2015	FY 2016 Base	FY 2016 OCO	FY 2016 Total
Procurement Quantity (Units in Each)	-	-	-	40	-	40
Gross/Weapon System Cost (\$ in Millions)	-	-	-	13.565	-	13.565
Less PY Advance Procurement (\$ in Millions)	-	-	-	-	-	-
Net Procurement (P1) (\$ in Millions)	-	-	-	13.565	-	13.565
Plus CY Advance Procurement (\$ in Millions)	-	-	-	-	-	-
Total Obligation Authority (\$ in Millions)	-	-	-	13.565	-	13.565

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

Initial Spares (\$ in Millions)	-	-	-	-	-	-
Gross/Weapon System Unit Cost (\$ in Thousands)	-	-	-	339.125	-	339.125

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

Cost Elements	Prior Years			FY 2014			FY 2015			FY 2016 Base			FY 2016 OCO			FY 2016 Total				
	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)		
Hardware Cost																				
Recurring Cost																				
HMDS Common Operating Group ^(†)	-	-	-	-	-	-	-	-	-	135.975	40	5.439	-	-	-	135.975	40	5.439		
<i>Subtotal: Recurring Cost</i>	-	-	-	-	-	-	-	-	-	-	-	5.439	-	-	-	-	-	5.439		
<i>Subtotal: Hardware Cost</i>	-	-	-	-	-	-	-	-	-	-	-	5.439	-	-	-	-	-	5.439		
Support Cost																				
Program Support	-	-	-	-	-	-	-	-	-	-	-	2.176	-	-	-	-	-	2.176		
Production Support	-	-	-	-	-	-	-	-	-	-	-	2.140	-	-	-	-	-	2.140		
Technical Data	-	-	-	-	-	-	-	-	-	-	-	1.210	-	-	-	-	-	1.210		
Engineering Changes	-	-	-	-	-	-	-	-	-	-	-	0.140	-	-	-	-	-	0.140		
New Equipment Training	-	-	-	-	-	-	-	-	-	-	-	0.790	-	-	-	-	-	0.790		
Initial Spares/Repair Parts	-	-	-	-	-	-	-	-	-	-	-	1.530	-	-	-	-	-	1.530		
Initial Support Equipment	-	-	-	-	-	-	-	-	-	-	-	0.140	-	-	-	-	-	0.140		
<i>Subtotal: Support Cost</i>	-	-	-	-	-	-	-	-	-	-	-	8.126	-	-	-	-	-	8.126		
Gross/Weapon System Cost	-	-	-	-	-	-	-	-	-	-	-	339.125	40	13.565	-	-	-	339.125	40	13.565

Secondary Distribution		FY 2014	FY 2015	FY 2016 Base	FY 2016 OCO	FY 2016 Total
Army	Quantity	-	-	20	-	20

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Exhibit P-5, Cost Analysis: PB 2016 Army		Date: February 2015
Appropriation / Budget Activity / Budget Sub Activity: 2035A / 03 / 20	P-1 Line Item Number / Title: R64001 / HUSKY MOUNTED DETECTION SYSTEM (HMDS)	Item Number / Title [DODIC]: R64005 / HMDS - Common Operating Group (COG)

ID Code (A=Service Ready, B=Not Service Ready) :		MDAP/MAIS Code:				
Secondary Distribution		FY 2014	FY 2015	FY 2016 Base	FY 2016 OCO	FY 2016 Total
	Total Obligation Authority	-	-	6.783	-	6.783
ANG	Quantity	-	-	10	-	10
	Total Obligation Authority	-	-	3.391	-	3.391
AR	Quantity	-	-	10	-	10
	Total Obligation Authority	-	-	3.391	-	3.391
Total:	Quantity	-	-	40	-	40
Secondary Distribution	Total Obligation Authority	-	-	13.565	-	13.565

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

UNCLASSIFIED

Exhibit P-5a, Procurement History and Planning: PB 2016 Army							Date: February 2015					
Appropriation / Budget Activity / Budget Sub Activity: 2035A / 03 / 20			P-1 Line Item Number / Title: R64001 / HUSKY MOUNTED DETECTION SYSTEM (HMDS)				Item Number / Title [DODIC]: R64005 / HMDS - Common Operating Group (COG)					
Cost Elements	O C O	FY	Contractor and Location	Method/Type or Funding Vehicle	Location of PCO	Award Date	Date of First Delivery	Qty (Each)	Unit Cost (\$ K)	Specs Avail Now?	Date Revision Available	RFP Issue Date
HMDS Common Operating Group ^(†)		2016	Tobyhanna Army Depot / Tobyhanna	MIPR	Aberdeen PG, Maryland	Mar 2016	Jun 2016	40	135.975			

^(†) indicates the presence of a P-21

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Exhibit P-21, Production Schedule: PB 2016 Army																							Date: February 2015									
Appropriation / Budget Activity / Budget Sub Activity: 2035A / 03 / 20											P-1 Line Item Number / Title: R64001 / HUSKY MOUNTED DETECTION SYSTEM (HMDS)											Item Number / Title [DODIC]: R64005 / HMDS - Common Operating Group (COG)										
Cost Elements <i>(Units in Each)</i>						Fiscal Year 2016													Fiscal Year 2017													
O C C O	M F R #	FY	SERVICE	PROC QTY	ACCEPT PRIOR TO 1 OCT 2015	BAL DUE AS OF 1 OCT	Calendar Year 2016													Calendar Year 2017											B A L	
							O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P		
HMDS Common Operating Group																																
	1	2016	ARMY	40	-	40							A	-	-	-	10	10	10	10									-			
							O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P		

UNCLASSIFIED

Exhibit P-21, Production Schedule: PB 2016 Army							Date: February 2015					
Appropriation / Budget Activity / Budget Sub Activity: 2035A / 03 / 20				P-1 Line Item Number / Title: R64001 / HUSKY MOUNTED DETECTION SYSTEM (HMDS)				Item Number / Title [DODIC]: R64005 / HMDS - Common Operating Group (COG)				
		Production Rates (Each / Month)			Procurement Leadtime (Months)							
MFR Ref #	MFR Name - Location	MSR For 2016	1-8-5 For 2016	MAX For 2016	Initial				Reorder			
					ALT Prior to Oct 1	ALT After Oct 1	Mfg PLT	Total After Oct 1	ALT Prior to Oct 1	ALT After Oct 1	Mfg PLT	Total After Oct 1
1	Tobyhanna Army Depot - Tobyhanna	1	5	10	-	4	2	6	-	4	2	6

Remarks:

New Start - can't award in 1st quarter.

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

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

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

Appropriation / Budget Activity / Budget Sub Activity:
2035A: Other Procurement, Army / BA 03: Other Support Equipment / BSA 20: Engineer (Non-Construction) Equipment

P-1 Line Item Number / Title:
M80400 / Robotic Combat Support System (RCSS)

ID Code (A=Service Ready, B=Not Service Ready) : **Program Elements for Code B Items:** **Other Related Program Elements:** 0604808A

Resource Summary	Prior Years	FY 2014	FY 2015	FY 2016 Base	FY 2016 OCO	FY 2016 Total	FY 2017	FY 2018	FY 2019	FY 2020	To Complete	Total
Procurement Quantity (Units in Each)	16	1	1	20	-	20	11	11	17	17	Continuing	Continuing
Gross/Weapon System Cost (\$ in Millions)	67.283	6.490	4.701	2.136	-	2.136	10.926	13.673	10.496	21.441	Continuing	Continuing
Less PY Advance Procurement (\$ in Millions)	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P1) (\$ in Millions)	67.283	6.490	4.701	2.136	-	2.136	10.926	13.673	10.496	21.441	Continuing	Continuing
Plus CY Advance Procurement (\$ in Millions)	-	-	-	-	-	-	-	-	-	-	-	-
Total Obligation Authority (\$ in Millions)	67.283	6.490	4.701	2.136	-	2.136	10.926	13.673	10.496	21.441	Continuing	Continuing

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

Initial Spares (\$ in Millions)	-	-	-	-	-	-	-	-	-	-	-	-
Flyaway Unit Cost (\$ in Thousands)	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Unit Cost (\$ in Thousands)	4,205.188	6,490.000	4,701.000	106.800	-	106.800	993.273	1,243.000	617.412	1,261.235	Continuing	Continuing

Description:

This Robotic Combat Support System (RCSS) Budget line procures the M160 and the Route Clearance and Interrogation System (RCIS).

The M160 is a 6.1-ton tracked, combat engineer vehicle designed for teleoperation by soldiers from either mounted or dismounted positions to perform area clearance of antipersonnel mine-sown areas. The revised Army Acquisition Objective (AAO) is 72. The M160 detonates or destroys anti-personnel mines in a 68-inch wide path through the action of a rotating chain and hammer flail system. The M160 provides standoff and increased protection for engineer units in conducting route and area clearance missions. It fills the Light Flail mission in the Area Clearance Family of Systems. The M160 is a modified Commercial Off The Shelf (COTS) system.

The Route Clearance and Interrogation System (RCIS) Type 1 and 2 will enable an operator to semi-autonomously control (tele-operate) a Type 1 (High Mobility Engineering Excavator (HMEE)) and semi-autonomously control of Type 2 (RG-31). The RCIS Type 1 (HMEE) enables the soldier to interrogate, classify and excavate deep buried explosive hazards, Improvised Explosive Devices (IEDs), and caches in a wide range of road surfaces and soil conditions. The RCIS Type 2 (RG-31) enables soldiers to semi-autonomously control the RG-31 and its payloads. RCIS procurement is scheduled to start in FY18.

Secondary Distribution	FY 2014	FY 2015	FY 2016 Base	FY 2016 OCO	FY 2016 Total	FY 2017	FY 2018	FY 2019	FY 2020
Army									
Quantity	1	1	-	-	-	5	5	17	17
Total Obligation Authority	6.490	4.701	-	-	-	5.343	9.288	10.496	21.441
ANG									
Quantity	-	-	-	-	-	6	-	-	-
Total Obligation Authority	-	-	-	-	-	5.583	-	-	-
AR									
Quantity	-	-	20	-	20	-	6	-	-

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

Appropriation / Budget Activity / Budget Sub Activity: 2035A: Other Procurement, Army / BA 03: Other Support Equipment / BSA 20: Engineer (Non-Construction) Equipment	P-1 Line Item Number / Title: M80400 / Robotic Combat Support System (RCSS)
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ID Code (A=Service Ready, B=Not Service Ready) : **Program Elements for Code B Items:** **Other Related Program Elements:** 0604808A

	Secondary Distribution	FY 2014	FY 2015	FY 2016 Base	FY 2016 OCO	FY 2016 Total	FY 2017	FY 2018	FY 2019	FY 2020
	Total Obligation Authority	-	-	2.136	-	2.136	-	4.385	-	-
Total:	Quantity	1	1	20	-	20	11	11	17	17
Secondary Distribution	Total Obligation Authority	6.490	4.701	2.136	-	2.136	10.926	13.673	10.496	21.441

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

Appropriation / Budget Activity / Budget Sub Activity: 2035A: Other Procurement, Army / BA 03: Other Support Equipment / BSA 20: Engineer (Non-Construction) Equipment	P-1 Line Item Number / Title: M80400 / Robotic Combat Support System (RCSS)
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ID Code (A=Service Ready, B=Not Service Ready) :	Program Elements for Code B Items:	Other Related Program Elements: 0604808A
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Exhibits Schedule			Prior Years	FY 2014	FY 2015	FY 2016 Base	FY 2016 OCO	FY 2016 Total
Title*	Exhibits	ID CD	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)
M80400 / Robotic Combat Support System (RCSS)	P-5, P-5a		16 / 67.283	1 / 6.490	1 / 4.701	20 / 2.136	- / -	20 / 2.136
Total Gross/Weapon System Cost			16 / 67.283	1 / 6.490	1 / 4.701	20 / 2.136	- / -	20 / 2.136

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

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

Justification:
 FY 2016 Base procurement dollars in the amount of \$2.136 million supports the Total Package Fielding of the M160s. The RCIS Low Rate Initial Production (LRIP) is planned for 2nd Quarter FY19.

The FY 2016 funding request was reduced for \$3.462 million to account for the availability of prior year execution balances.

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

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Exhibit P-5, Cost Analysis: PB 2016 Army		Date: February 2015
Appropriation / Budget Activity / Budget Sub Activity: 2035A / 03 / 20		P-1 Line Item Number / Title: M80400 / Robotic Combat Support System (RCSS)
		Item Number / Title [DODIC]: M80400 / Robotic Combat Support System (RCSS)

ID Code (A=Service Ready, B=Not Service Ready) :	MDAP/MAIS Code:
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Resource Summary	Prior Years	FY 2014	FY 2015	FY 2016 Base	FY 2016 OCO	FY 2016 Total
Procurement Quantity (Units in Each)	16	1	1	20	-	20
Gross/Weapon System Cost (\$ in Millions)	67.283	6.490	4.701	2.136	-	2.136
Less PY Advance Procurement (\$ in Millions)	-	-	-	-	-	-
Net Procurement (P1) (\$ in Millions)	67.283	6.490	4.701	2.136	-	2.136
Plus CY Advance Procurement (\$ in Millions)	-	-	-	-	-	-
Total Obligation Authority (\$ in Millions)	67.283	6.490	4.701	2.136	-	2.136

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

Initial Spares (\$ in Millions)	-	-	-	-	-	-
Gross/Weapon System Unit Cost (\$ in Thousands)	4,205.188	6,490.000	4,701.000	106.800	-	106.800

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

Cost Elements	Prior Years			FY 2014			FY 2015			FY 2016 Base			FY 2016 OCO			FY 2016 Total		
	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)
Flyaway Cost																		
Recurring Cost																		
M160 Fielding Program	-	-	-	-	-	-	-	-	-	94.000	20	1.880	-	-	-	94.000	20	1.880
M160 Mech Anti-Personnel Mine Clear ⁽¹⁾	515.000	115	59.225	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
System Technical Support/ECP	-	-	1.229	638.000	1	0.638	2,561.000	1	2.561	-	-	-	-	-	-	-	-	-
Initial Spares & Repair Parts M160	-	-	2.836	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
M160 Crew Kits ECP's	-	-	-	-	-	4.817	-	-	0.400	-	-	-	-	-	-	-	-	-
Transportation	-	-	2.478	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
PM Support M160	-	-	1.515	-	-	1.035	-	-	1.740	-	-	0.256	-	-	-	-	-	0.256
<i>Subtotal: Recurring Cost</i>	-	-	67.283	-	-	6.490	-	-	4.701	-	-	2.136	-	-	-	-	-	2.136
<i>Subtotal: Flyaway Cost</i>	-	-	67.283	-	-	6.490	-	-	4.701	-	-	2.136	-	-	-	-	-	2.136
Gross/Weapon System Cost	4,205.188	16	67.283	6,490.000	1	6.490	4,701.000	1	4.701	106.800	20	2.136	-	-	-	106.800	20	2.136

Secondary Distribution		FY 2014	FY 2015	FY 2016 Base	FY 2016 OCO	FY 2016 Total
Army	Quantity	1	1	-	-	-
	Total Obligation Authority	6.490	4.701	-	-	-

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Exhibit P-5, Cost Analysis: PB 2016 Army		Date: February 2015
Appropriation / Budget Activity / Budget Sub Activity: 2035A / 03 / 20	P-1 Line Item Number / Title: M80400 / Robotic Combat Support System (RCSS)	Item Number / Title [DODIC]: M80400 / Robotic Combat Support System (RCSS)

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

Secondary Distribution		FY 2014	FY 2015	FY 2016 Base	FY 2016 OCO	FY 2016 Total
AR	Quantity	-	-	20	-	20
	Total Obligation Authority	-	-	2.136	-	2.136
Total: Secondary Distribution	Quantity	1	1	20	-	20
	Total Obligation Authority	6.490	4.701	2.136	-	2.136

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

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Exhibit P-5a, Procurement History and Planning: PB 2016 Army							Date: February 2015					
Appropriation / Budget Activity / Budget Sub Activity: 2035A / 03 / 20			P-1 Line Item Number / Title: M80400 / Robotic Combat Support System (RCSS)				Item Number / Title [DODIC]: M80400 / Robotic Combat Support System (RCSS)					
Cost Elements	O C O	FY	Contractor and Location	Method/Type or Funding Vehicle	Location of PCO	Award Date	Date of First Delivery	Qty (Each)	Unit Cost (\$ K)	Specs Avail Now?	Date Revision Available	RFP Issue Date
M160 Mech Anti-Personnel Mine Clear		2016	TBD / TBD	SS / CPFF	TACOM Warren MI	Apr 2016	Sep 2016	-	-			

Remarks:
The M160 System is a Commercial-Off-The-Shelf (COTS) item so a P-21 is not required.

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

Appropriation / Budget Activity / Budget Sub Activity: 2035A: Other Procurement, Army / BA 03: Other Support Equipment / BSA 20: Engineer (Non-Construction) Equipment	P-1 Line Item Number / Title: W12001 / EOD Robotics Systems Recapitalization
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ID Code (A=Service Ready, B=Not Service Ready) :	Program Elements for Code B Items:						Other Related Program Elements:					
Resource Summary	Prior Years	FY 2014	FY 2015	FY 2016 Base	FY 2016 OCO	FY 2016 Total	FY 2017	FY 2018	FY 2019	FY 2020	To Complete	Total
Procurement Quantity (Units in Each)	-	17	145	121	-	121	120	88	83	81	Continuing	Continuing
Gross/Weapon System Cost (\$ in Millions)	-	1.563	6.346	6.960	-	6.960	6.940	5.218	4.956	4.956	Continuing	Continuing
Less PY Advance Procurement (\$ in Millions)	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P1) (\$ in Millions)	-	1.563	6.346	6.960	-	6.960	6.940	5.218	4.956	4.956	Continuing	Continuing
Plus CY Advance Procurement (\$ in Millions)	-	-	-	-	-	-	-	-	-	-	-	-
Total Obligation Authority (\$ in Millions)	-	1.563	6.346	6.960	-	6.960	6.940	5.218	4.956	4.956	Continuing	Continuing

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

Initial Spares (\$ in Millions)	-	-	-	-	-	-	-	-	-	-	-	-
Flyaway Unit Cost (\$ in Thousands)	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Unit Cost (\$ in Thousands)	-	91.941	43.766	57.521	-	57.521	57.833	59.295	59.711	61.185	Continuing	Continuing

Description:

Army Explosive Ordnance Disposal (EOD) Robotics Recapitalization Program encompasses the Man Transportable Robotic System (MTRS) family of robots. The large platform provides EOD teams with a peacetime/wartime remote, standoff capability to perform EOD reconnaissance, access sites, conduct render-safe procedures, "pick-up and carry away" hazardous material, and perform disposal tasks in a high-risk and/or contaminated environment. The medium platform is a two-person portable, lightweight robotic system used to perform missions where the other platform is too large to employ and is capable of being transported in the EOD team's response vehicle or in a helicopter. Recapitalization includes upgrading all platforms to the latest approved configuration.

Secondary Distribution		FY 2014	FY 2015	FY 2016 Base	FY 2016 OCO	FY 2016 Total	FY 2017	FY 2018	FY 2019	FY 2020
Army	Quantity	17	145	121	-	121	120	88	83	81
	Total Obligation Authority	1.563	6.346	6.960	-	6.960	6.940	5.218	4.956	4.956
Total: Secondary Distribution	Quantity	17	145	121	-	121	120	88	83	81
	Total Obligation Authority	1.563	6.346	6.960	-	6.960	6.940	5.218	4.956	4.956

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

Appropriation / Budget Activity / Budget Sub Activity: 2035A: Other Procurement, Army / BA 03: Other Support Equipment / BSA 20: Engineer (Non-Construction) Equipment	P-1 Line Item Number / Title: W12001 / EOD Robotics Systems Recapitalization
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ID Code (A=Service Ready, B=Not Service Ready) :			Program Elements for Code B Items:			Other Related Program Elements:		
Exhibits Schedule			Prior Years	FY 2014	FY 2015	FY 2016 Base	FY 2016 OCO	FY 2016 Total
Title*	Exhibits	ID CD	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)
W12001 / EOD Robotics Systems Recapitalization	P-5, P-5a, P-21		- / -	17 / 1.563	145 / 6.346	121 / 6.960	- / -	121 / 6.960
Total Gross/Weapon System Cost			- / -	17 / 1.563	145 / 6.346	121 / 6.960	- / -	121 / 6.960

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

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

Justification:
 FY 2016 Base procurement dollars in the amount of \$6.960 million procures refresh/recapitalization of 121 Man Transportable Robotic System (MTRS) platforms.

Funding for active component only.

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.

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Exhibit P-5, Cost Analysis: PB 2016 Army		Date: February 2015
Appropriation / Budget Activity / Budget Sub Activity: 2035A / 03 / 20	P-1 Line Item Number / Title: W12001 / EOD Robotics Systems Recapitalization	Item Number / Title [DODIC]: W12001 / EOD Robotics Systems Recapitalization

ID Code (A=Service Ready, B=Not Service Ready) :	MDAP/MAIS Code:
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Resource Summary	Prior Years	FY 2014	FY 2015	FY 2016 Base	FY 2016 OCO	FY 2016 Total
Procurement Quantity (<i>Units in Each</i>)	-	17	145	121	-	121
Gross/Weapon System Cost (<i>\$ in Millions</i>)	-	1.563	6.346	6.960	-	6.960
Less PY Advance Procurement (<i>\$ in Millions</i>)	-	-	-	-	-	-
Net Procurement (P1) (<i>\$ in Millions</i>)	-	1.563	6.346	6.960	-	6.960
Plus CY Advance Procurement (<i>\$ in Millions</i>)	-	-	-	-	-	-
Total Obligation Authority (<i>\$ in Millions</i>)	-	1.563	6.346	6.960	-	6.960

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

Initial Spares (<i>\$ in Millions</i>)	-	-	-	-	-	-
Gross/Weapon System Unit Cost (<i>\$ in Thousands</i>)	-	91.941	43.766	57.521	-	57.521

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

Cost Elements	Prior Years			FY 2014			FY 2015			FY 2016 Base			FY 2016 OCO			FY 2016 Total		
	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)
Hardware Cost																		
Recurring Cost																		
Man Transportable Robotic System (MTRS) ^(†)	-	-	-	86.029	17	1.463	36.531	145	5.297	47.732	121	5.776	-	-	-	47.732	121	5.776
<i>Subtotal: Recurring Cost</i>	-	-	-	-	-	1.462	-	-	5.297	-	-	5.776	-	-	-	-	-	5.776
<i>Subtotal: Hardware Cost</i>	-	-	-	-	-	1.462	-	-	5.297	-	-	5.776	-	-	-	-	-	5.776
Support Cost																		
Program Management	-	-	-	-	-	0.101	-	-	1.006	-	-	1.054	-	-	-	-	-	1.054
Transportation	-	-	-	-	-	-	-	-	0.043	-	-	0.043	-	-	-	-	-	0.043
New Equipment Training (NET)	-	-	-	-	-	-	-	-	-	-	-	0.088	-	-	-	-	-	0.088
<i>Subtotal: Support Cost</i>	-	-	-	-	-	0.101	-	-	1.049	-	-	1.185	-	-	-	-	-	1.185
Gross/Weapon System Cost	-	-	-	91.941	17	1.563	43.766	145	6.346	57.521	121	6.960	-	-	-	57.521	121	6.960

Secondary Distribution		FY 2014	FY 2015	FY 2016 Base	FY 2016 OCO	FY 2016 Total
Army	Quantity	17	145	121	-	121
	Total Obligation Authority	1.563	6.346	6.960	-	6.960
Total:	Quantity	17	145	121	-	121

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Exhibit P-5, Cost Analysis: PB 2016 Army				Date: February 2015		
Appropriation / Budget Activity / Budget Sub Activity: 2035A / 03 / 20		P-1 Line Item Number / Title: W12001 / EOD Robotics Systems Recapitalization		Item Number / Title [DODIC]: W12001 / EOD Robotics Systems Recapitalization		
ID Code (A=Service Ready, B=Not Service Ready) :			MDAP/MAIS Code:			
Secondary Distribution		FY 2014	FY 2015	FY 2016 Base	FY 2016 OCO	FY 2016 Total
Secondary Distribution	Total Obligation Authority	1.563	6.346	6.960	-	6.960

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

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Exhibit P-5a, Procurement History and Planning: PB 2016 Army							Date: February 2015					
Appropriation / Budget Activity / Budget Sub Activity: 2035A / 03 / 20			P-1 Line Item Number / Title: W12001 / EOD Robotics Systems Recapitalization				Item Number / Title [DODIC]: W12001 / EOD Robotics Systems Recapitalization					

Cost Elements	O C O	FY	Contractor and Location	Method/Type or Funding Vehicle	Location of PCO	Award Date	Date of First Delivery	Qty <i>(Each)</i>	Unit Cost <i>(\$ K)</i>	Specs Avail Now?	Date Revision Available	RFP Issue Date
Man Transportable Robotic System (MTRS) ^(†)		2014	Remotec, Inc. / Clinton, TN	SS / IDIQ	Indian Head, MD	Jul 2014	Mar 2015	17	86.029			
Man Transportable Robotic System (MTRS) ^(†)		2015	Qinetiq / Waltham MA	SS / IDIQ	Indian Head, MD	May 2015	Dec 2015	145	36.531			
Man Transportable Robotic System (MTRS) ^(†)		2016	Qinetiq / Waltham MA	SS / IDIQ	Indian Head, MD	May 2016	Sep 2016	121	47.732			

^(†) indicates the presence of a P-21

Remarks:
The U.S. Navy is the Single Manager for EOD Equipment.

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Exhibit P-21, Production Schedule: PB 2016 Army															Date: February 2015									
Appropriation / Budget Activity / Budget Sub Activity: 2035A / 03 / 20										P-1 Line Item Number / Title: W12001 / EOD Robotics Systems Recapitalization										Item Number / Title [DODIC]: W12001 / EOD Robotics Systems Recapitalization				

Cost Elements <i>(Units in Each)</i>						Fiscal Year 2014												Fiscal Year 2015													
O C C O	M F R #	FY	SERVICE	PROC QTY	ACCEPT PRIOR TO 1 OCT 2013	BAL DUE AS OF 1 OCT	Calendar Year 2014												Calendar Year 2015												
							O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	B A L
Man Transportable Robotic System (MTRS)																															
	1	2014	ARMY	17	-	17																									
	2	2015	ARMY	145	-	145																									
	2	2016	ARMY	121	-	121																									
							O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	B A L

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Exhibit P-21, Production Schedule: PB 2016 Army				Date: February 2015							
Appropriation / Budget Activity / Budget Sub Activity: 2035A / 03 / 20				P-1 Line Item Number / Title: W12001 / EOD Robotics Systems Recapitalization				Item Number / Title [DODIC]: W12001 / EOD Robotics Systems Recapitalization			

MFR Ref #	MFR Name - Location	Production Rates (Each / Month)			Procurement Leadtime (Months)							
		MSR For 2016	1-8-5 For 2016	MAX For 2016	Initial				Reorder			
					ALT Prior to Oct 1	ALT After Oct 1	Mfg PLT	Total After Oct 1	ALT Prior to Oct 1	ALT After Oct 1	Mfg PLT	Total After Oct 1
1	Remotec, Inc. - Clinton, TN	10	20	25	8	8	7	15	8	8	4	12
2	Qinetiq - Waltham MA	10	20	25	8	8	7	15	8	8	4	12

Remarks:
Production rates are monthly. The U.S. Navy is the Single Manager for EOD Equipment. Army deliveries are in conjunction with other Services' deliveries to meet the 1-8-5 production rate as a consolidated buy.

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

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

Appropriation / Budget Activity / Budget Sub Activity: 2035A: Other Procurement, Army / BA 03: Other Support Equipment / BSA 20: Engineer (Non-Construction) Equipment	P-1 Line Item Number / Title: MA9200 / Explosive Ordnance Disposal Eqpmt (EOD EQPMT)
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ID Code (A=Service Ready, B=Not Service Ready) :	Program Elements for Code B Items:						Other Related Program Elements:					
Resource Summary	Prior Years	FY 2014	FY 2015	FY 2016 Base	FY 2016 OCO	FY 2016 Total	FY 2017	FY 2018	FY 2019	FY 2020	To Complete	Total
Procurement Quantity (<i>Units in Each</i>)	-	6,828	133	164	-	164	137	127	182	193	Continuing	Continuing
Gross/Weapon System Cost (<i>\$ in Millions</i>)	-	20.467	15.856	17.424	-	17.424	28.178	26.577	37.993	41.531	Continuing	Continuing
Less PY Advance Procurement (<i>\$ in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P1) (<i>\$ in Millions</i>)	-	20.467	15.856	17.424	-	17.424	28.178	26.577	37.993	41.531	Continuing	Continuing
Plus CY Advance Procurement (<i>\$ in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Total Obligation Authority (<i>\$ in Millions</i>)	-	20.467	15.856	17.424	-	17.424	28.178	26.577	37.993	41.531	Continuing	Continuing
<i>(The following Resource Summary rows are for informational purposes only. The corresponding budget requests are documented elsewhere.)</i>												
Initial Spares (<i>\$ in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Flyaway Unit Cost (<i>\$ in Thousands</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Unit Cost (<i>\$ in Thousands</i>)	-	2.998	119.218	106.244	-	106.244	205.679	209.268	208.753	215.187	Continuing	Continuing

Description:

The Explosive Ordnance Disposal (EOD) equipment provides the capability to examine, identify, and defuse ordnance effectively and safely for Homeland Defense and Force Protection throughout the world. This equipment enables EOD soldiers to rapidly and safely render safe Unexploded Ordnance (UXO) and Improvised Explosive Devices (IEDs) that constitute a hazard to friendly operations, installations, personnel, or materiel. Also used for dismounted operations.

Future Radiographic System (FRS) -- The FRS provides the EOD soldier with the integrated capability to obtain real time digital x-ray images of fuzes and Improvised Explosive Devices (IEDs). The Army Acquisition Objective (AAO) for FRS is 627.

66mm Shape Charge -- The 66mm Shape Charge is a field-packable 66mm copper, shaped charge liner and plastic container to be used against a variety of targets, specifically deeply buried IEDs and Insensitive High Explosive (IHE) munitions, that utilizes a 'lumpy' liner design to effectively increase the diameter of penetration through the explosive casing. The Army Acquisition Objective (AAO) for 66mm Shape Charge is 6,631.

Improved Mechanical Remote Fuze Disassembly Kit (I-MRFDK) -- The I-MRFDK, AN/GJQ-34, provides a remote means to separate fusing systems from Improvised Explosive Devices (IEDs) and explosive ordnance. Remote operation is achieved by an Operator Console that controls all electrical and mechanical functions of the system at a distance via an Electromagnetic Interference (EMI) shielded cable. The Army Acquisition Objective (AAO) for I-MRFDK is 2.

The FY 2016 funding request was reduced for \$2.075 million to account for the availability of prior year execution balances.

Secondary Distribution	FY 2014	FY 2015	FY 2016 Base	FY 2016 OCO	FY 2016 Total	FY 2017	FY 2018	FY 2019	FY 2020
Army	5,474	93	123	-	123	72	91	131	139

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

Appropriation / Budget Activity / Budget Sub Activity: 2035A: Other Procurement, Army / BA 03: Other Support Equipment / BSA 20: Engineer (Non-Construction) Equipment	P-1 Line Item Number / Title: MA9200 / Explosive Ordnance Disposal Eqpmt (EOD EQPMT)
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ID Code (A=Service Ready, B=Not Service Ready) :		Program Elements for Code B Items:				Other Related Program Elements:				
Secondary Distribution		FY 2014	FY 2015	FY 2016 Base	FY 2016 OCO	FY 2016 Total	FY 2017	FY 2018	FY 2019	FY 2020
	Total Obligation Authority	16.373	12.843	12.700	-	12.700	20.493	19.329	27.762	30.218
ANG	Quantity	1,354	40	41	-	41	65	36	51	54
	Total Obligation Authority	4.094	3.013	4.724	-	4.724	7.685	7.248	10.231	11.313
Total:	Quantity	6,828	133	164	-	164	137	127	182	193
Secondary Distribution	Total Obligation Authority	20.467	15.856	17.424	-	17.424	28.178	26.577	37.993	41.531

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

Appropriation / Budget Activity / Budget Sub Activity: 2035A: Other Procurement, Army / BA 03: Other Support Equipment / BSA 20: Engineer (Non-Construction) Equipment	P-1 Line Item Number / Title: MA9200 / Explosive Ordnance Disposal Eqpmt (EOD EQPMT)
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ID Code (A=Service Ready, B=Not Service Ready) :			Program Elements for Code B Items:			Other Related Program Elements:		
Exhibits Schedule			Prior Years	FY 2014	FY 2015	FY 2016 Base	FY 2016 OCO	FY 2016 Total
Title*	Exhibits	ID CD	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)
MA9200 / Explosive Ordnance Disposal Eqpmt (EOD EQPMT)	P-5, P-5a, P-21		- / -	6,828 / 20.467	133 / 15.856	164 / 17.424	- / -	164 / 17.424
Total Gross/Weapon System Cost			- / -	6,828 / 20.467	133 / 15.856	164 / 17.424	- / -	164 / 17.424

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

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

Justification:
 FY 2016 Base procurement dollars in the amount of \$17.424 million procures equipment for modernization and uneconomically repairable assets, to include: 164 Future Radiographic Systems (FRS). EOD equipment will be fielded throughout the active Army and National Guard units. This equipment will increase operational capabilities of EOD units, as well as enhance the safety of EOD soldiers.

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.

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Exhibit P-5, Cost Analysis: PB 2016 Army													Date: February 2015						
Appropriation / Budget Activity / Budget Sub Activity: 2035A / 03 / 20						P-1 Line Item Number / Title: MA9200 / Explosive Ordnance Disposal Eqpmt (EOD EQPMT)						Item Number / Title [DODIC]: MA9200 / Explosive Ordnance Disposal Eqpmt (EOD EQPMT)							
ID Code (A=Service Ready, B=Not Service Ready) :									MDAP/MAIS Code:										
Resource Summary				Prior Years		FY 2014			FY 2015			FY 2016 Base			FY 2016 OCO		FY 2016 Total		
Procurement Quantity (<i>Units in Each</i>)				-		6,828			133			164			-		164		
Gross/Weapon System Cost (<i>\$ in Millions</i>)				-		20.467			15.856			17.424			-		17.424		
Less PY Advance Procurement (<i>\$ in Millions</i>)				-		-			-			-			-		-		
Net Procurement (P1) (<i>\$ in Millions</i>)				-		20.467			15.856			17.424			-		17.424		
Plus CY Advance Procurement (<i>\$ in Millions</i>)				-		-			-			-			-		-		
Total Obligation Authority (<i>\$ in Millions</i>)				-		20.467			15.856			17.424			-		17.424		
<i>(The following Resource Summary rows are for informational purposes only. The corresponding budget requests are documented elsewhere.)</i>																			
Initial Spares (<i>\$ in Millions</i>)				-		-			-			-			-		-		
Gross/Weapon System Unit Cost (<i>\$ in Thousands</i>)				-		2.998			119.218			106.244			-		106.244		
Note: Subtotals or Totals in this Exhibit P-5 may not be exact or add, due to rounding.																			
Cost Elements		Prior Years			FY 2014			FY 2015			FY 2016 Base			FY 2016 OCO			FY 2016 Total		
		Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)
Hardware Cost																			
Recurring Cost																			
Future Radiographic System (FRS) ^(t)		-	-	-	74.000	197	14.578	86.029	131	11.270	81.735	164	13.405	-	-	-	81.735	164	13.405
66mm Shape Charge ^(t)		-	-	-	0.115	6,631	0.763	-	-	-	-	-	-	-	-	-	-	-	-
I-MRFDK ^(t)		-	-	-	-	-	-	237.600	2	0.475	-	-	-	-	-	-	-	-	-
<i>Subtotal: Recurring Cost</i>		-	-	-	-	-	15.341	-	-	11.745	-	-	13.405	-	-	-	-	-	13.405
<i>Subtotal: Hardware Cost</i>		-	-	-	-	-	15.341	-	-	11.745	-	-	13.405	-	-	-	-	-	13.405
Support Cost																			
Program Support		-	-	-	-	-	4.876	-	-	3.704	-	-	3.693	-	-	-	-	-	3.693
New Equipment Training		-	-	-	-	-	0.250	-	-	0.307	-	-	0.219	-	-	-	-	-	0.219
Transportation for Fielding		-	-	-	-	-	-	-	-	0.100	-	-	0.107	-	-	-	-	-	0.107
<i>Subtotal: Support Cost</i>		-	-	-	-	-	5.126	-	-	4.111	-	-	4.019	-	-	-	-	-	4.019
Gross/Weapon System Cost		-	-	-	2.998	6,828	20.467	119.218	133	15.856	106.244	164	17.424	-	-	-	106.244	164	17.424
Secondary Distribution						FY 2014			FY 2015			FY 2016 Base			FY 2016 OCO		FY 2016 Total		
Army						Quantity			5,474			93			123		-		
						Total Obligation Authority			16.373			12.843			12.700		-		

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Exhibit P-5, Cost Analysis: PB 2016 Army		Date: February 2015
Appropriation / Budget Activity / Budget Sub Activity: 2035A / 03 / 20	P-1 Line Item Number / Title: MA9200 / Explosive Ordnance Disposal Eqpmt (EOD EQPMT)	Item Number / Title [DODIC]: MA9200 / Explosive Ordnance Disposal Eqpmt (EOD EQPMT)

ID Code (A=Service Ready, B=Not Service Ready) :	MDAP/MAIS Code:
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Secondary Distribution		FY 2014	FY 2015	FY 2016 Base	FY 2016 OCO	FY 2016 Total
ANG	Quantity	1,354	40	41	-	41
	Total Obligation Authority	4.094	3.013	4.724	-	4.724
Total:	Quantity	6,828	133	164	-	164
Secondary Distribution	Total Obligation Authority	20.467	15.856	17.424	-	17.424

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

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Exhibit P-5a, Procurement History and Planning: PB 2016 Army								Date: February 2015				
Appropriation / Budget Activity / Budget Sub Activity: 2035A / 03 / 20			P-1 Line Item Number / Title: MA9200 / Explosive Ordnance Disposal Eqpmt (EOD EQPMT)					Item Number / Title [DODIC]: MA9200 / Explosive Ordnance Disposal Eqpmt (EOD EQPMT)				
Cost Elements	O C O	FY	Contractor and Location	Method/Type or Funding Vehicle	Location of PCO	Award Date	Date of First Delivery	Qty (Each)	Unit Cost (\$ K)	Specs Avail Now?	Date Revision Available	RFP Issue Date
Future Radiographic System (FRS) ^(†)		2014	LEIDOS, INC. / Reston, VA	SS / FFP	Indian Head, MD	Jul 2014	May 2015	197	74.000			
Future Radiographic System (FRS) ^(†)		2015	LEIDOS, INC. / Reston, VA	SS / FFP	Indian Head, MD	May 2015	Feb 2016	131	86.029			
Future Radiographic System (FRS) ^(†)		2016	TBS / TBS02	C / FFP	Indian Head, MD	May 2016	Feb 2017	164	81.735			
66mm Shape Charge ^(†)		2014	TBS / TBS01	C / FFP	Picatinny Arsenal, NJ	Jan 2015	Aug 2015	6,631	0.115			
I-MRFDK ^(†)		2015	General Dynamics / Orlando, FL	SS / FFP	Indian Head, MD	May 2015	Dec 2015	2	237.600			

^(†) indicates the presence of a P-21

Remarks:
The U.S. Navy is the Single Manager for EOD Equipment.

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Exhibit P-21, Production Schedule: PB 2016 Army															Date: February 2015																
Appropriation / Budget Activity / Budget Sub Activity: 2035A / 03 / 20										P-1 Line Item Number / Title: MA9200 / Explosive Ordnance Disposal Eqpmt (EOD EQPMT)										Item Number / Title [DODIC]: MA9200 / Explosive Ordnance Disposal Eqpmt (EOD EQPMT)											

Cost Elements (Units in Each)					Fiscal Year 2016												Fiscal Year 2017														
O C C O	M F R #	FY	SERVICE	PROC QTY	ACCEPT PRIOR TO 1 OCT 2015	BAL DUE AS OF 1 OCT	Calendar Year 2016												Calendar Year 2017												B A L
							O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	
Future Radiographic System (FRS)																															
	1	2014	ARMY	197	56	141	19	19	21	21	21	21	19																-		
	1	2015	ARMY	131	-	131	-	-	-	-	5	5	7	26	27	32	29												-		
	2	2016	ARMY	164	-	164								A	-	-	-	-	-	-	-	-	32	32	32	32	26	10	-		
66mm Shape Charge																															
	3	2014	ARMY	6,631	1,170	5,461	585	585	585	585	585	585	585	585	585	196													-		
I-MRFDK																															
	4	2015	ARMY	2	-	2	-	-	2																				-		
							O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	B A L

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Exhibit P-21, Production Schedule: PB 2016 Army		Date: February 2015
Appropriation / Budget Activity / Budget Sub Activity: 2035A / 03 / 20		P-1 Line Item Number / Title: MA9200 / Explosive Ordnance Disposal Eqpmt (EOD EQPMT)
		Item Number / Title [DODIC]: MA9200 / Explosive Ordnance Disposal Eqpmt (EOD EQPMT)

MFR Ref #	MFR Name - Location	Production Rates (Each / Month)			Procurement Leadtime (Months)							
		MSR For 2016	1-8-5 For 2016	MAX For 2016	Initial				Reorder			
					ALT Prior to Oct 1	ALT After Oct 1	Mfg PLT	Total After Oct 1	ALT Prior to Oct 1	ALT After Oct 1	Mfg PLT	Total After Oct 1
1	LEIDOS, INC. - Reston, VA	10	32	32	8	8	9	17	8	8	9	17
2	TBS - TBS02	10	32	32	8	8	9	17	8	8	9	17
3	TBS - TBS01	100	600	1,000	8	8	7	15	6	6	4	10
4	General Dynamics - Orlando, FL	1	5	10	8	8	7	15	8	8	4	12

Remarks:
Production rates are monthly. The U.S. Navy is the Single Manager for EOD Equipment. Monthly FRS quantities for FY 2013 and FY 2014 procurements have been reduced and overlapped due to delays incurred from late contract and follow-on delivery order awards and vendor production issues.

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

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

Appropriation / Budget Activity / Budget Sub Activity: 2035A: Other Procurement, Army / BA 03: Other Support Equipment / BSA 20: Engineer (Non-Construction) Equipment	P-1 Line Item Number / Title: M60001 / Remote Demolition Systems
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ID Code (A=Service Ready, B=Not Service Ready) : A		Program Elements for Code B Items:					Other Related Program Elements:					
Resource Summary	Prior Years	FY 2014	FY 2015	FY 2016 Base	FY 2016 OCO	FY 2016 Total	FY 2017	FY 2018	FY 2019	FY 2020	To Complete	Total
Procurement Quantity (Units in Each)	516	-	18	142	-	142	-	-	-	-	Continuing	Continuing
Gross/Weapon System Cost (\$ in Millions)	24.468	0.100	4.485	8.284	-	8.284	1.444	-	-	-	Continuing	Continuing
Less PY Advance Procurement (\$ in Millions)	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P1) (\$ in Millions)	24.468	0.100	4.485	8.284	-	8.284	1.444	-	-	-	Continuing	Continuing
Plus CY Advance Procurement (\$ in Millions)	-	-	-	-	-	-	-	-	-	-	-	-
Total Obligation Authority (\$ in Millions)	24.468	0.100	4.485	8.284	-	8.284	1.444	-	-	-	Continuing	Continuing

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

Initial Spares (\$ in Millions)	-	-	-	-	-	-	-	-	-	-	-	-
Flyaway Unit Cost (\$ in Thousands)	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Unit Cost (\$ in Thousands)	47.419	-	249.167	58.338	-	58.338	-	-	-	-	Continuing	Continuing

Description:

This line includes Remote Demolition Systems, All Types. It includes Radio Frequency - Remote Activated Munition System (RF RAMS) and Magneto Induction - Remote Activated Munition System (MI RAMS) and other system components.

Radio Frequency Remote Activation Munition System (RF RAMS)(MK152) M60002 is a radio-controlled wireless firing device that provides the capability to wirelessly control the initiation and the detonation of demolition charges or the remote operation of other items such as laser markers and radio functioning munitions. The basic components of the RF RAMS are (1) MK26 Transmitter with two antennas, (6) MK16 Receivers with antennas and (1) M6 Battery Retainer which provides additional power for the transmitter. RF RAMS has a nominal range of 2 kilometers line-of-sight (LOS) and 5 kilometers LOS with the M6 Battery Retainer. The Shock Tube Initiator (XM50) is an associated component/interface that is required when using the MK152 to initiate Modernized Demolition Initiators M19, M21 and M23. This item is Code A, approved for service use.

Magneto Induction Remote Activation Munition System (M156)(MI RAMS)M60003 is a wireless firing device that provides the capability to wirelessly control the detonation of demolition charges or the remote operation of other items such as laser markers and radio functioning munitions. The basic components of the MI RAMS are (1) M27 Transmitter with one 2 meter loop antenna, (3) M39 Receivers with antennas and (1) M6 Battery Retainer which provides additional power for the transmitter. The M156 MI RAMS can penetrate through media such as caves, tunnels, fresh water, salt water, dense foliage and man-made structures. This capability eliminates any line-of-sight (LOS) requirements for MI RAMS. Maximum operating distances from M27 Transmitter to M39 Receiver will vary with the operating environment. The maximum operating distance is 150 meters through all natural media. When using the M6 Battery Retainer, the maximum operating distance is extended to 200 meters. Shock Tube Initiator (XM50) is an associated component/interface that is required when using the M156 to initiate Modernized Demolition Initiators M19, M21 and M23. The M85A1 is the inert functional trainer receiver for the M40 tactical receiver.

Secondary Distribution		FY 2014	FY 2015	FY 2016 Base	FY 2016 OCO	FY 2016 Total	FY 2017	FY 2018	FY 2019	FY 2020
Army	Quantity	-	8	63	-	63	-	-	-	-

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

Appropriation / Budget Activity / Budget Sub Activity: 2035A: Other Procurement, Army / BA 03: Other Support Equipment / BSA 20: Engineer (Non-Construction) Equipment	P-1 Line Item Number / Title: M60001 / Remote Demolition Systems
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ID Code (A=Service Ready, B=Not Service Ready) : A		Program Elements for Code B Items:				Other Related Program Elements:				
Secondary Distribution		FY 2014	FY 2015	FY 2016 Base	FY 2016 OCO	FY 2016 Total	FY 2017	FY 2018	FY 2019	FY 2020
	Total Obligation Authority	0.100	1.956	3.690	-	3.690	-	-	-	-
ANG	Quantity	-	3	53	-	53	-	-	-	-
	Total Obligation Authority	-	0.819	3.102	-	3.102	-	-	-	-
AR	Quantity	-	7	26	-	26	-	-	-	-
	Total Obligation Authority	-	1.710	1.492	-	1.492	-	-	-	-
Total:	Quantity	-	18	142	-	142	-	-	-	-
Secondary Distribution	Total Obligation Authority	0.100	4.485	8.284	-	8.284	-	-	-	-

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

Appropriation / Budget Activity / Budget Sub Activity: 2035A: Other Procurement, Army / BA 03: Other Support Equipment / BSA 20: Engineer (Non-Construction) Equipment	P-1 Line Item Number / Title: M60001 / Remote Demolition Systems
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ID Code (A=Service Ready, B=Not Service Ready) : A			Program Elements for Code B Items:			Other Related Program Elements:		
Exhibits Schedule			Prior Years	FY 2014	FY 2015	FY 2016 Base	FY 2016 OCO	FY 2016 Total
Title*	Exhibits	ID CD	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)
M60002 / RADIO FREQUENCY RAMS	P-5, P-5a, P-21	A	416 / 9.095	- / -	18 / 4.485	142 / 8.284	- / -	142 / 8.284
M60003 / MI RAMS	P-5	A	- / 15.373	- / 0.100	- / -	- / -	- / -	- / -
Total Gross/Weapon System Cost			516 / 24.468	- / 0.100	18 / 4.485	142 / 8.284	- / -	142 / 8.284

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

Justification:
 FY 2016 Base procurement dollars in the amount of \$8.284 million supports production of 142 RF RAMS sets.

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.

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

Appropriation / Budget Activity / Budget Sub Activity: 2035A / 03 / 20	P-1 Line Item Number / Title: M60001 / Remote Demolition Systems	Item Number / Title [DODIC]: M60002 / RADIO FREQUENCY RAMS
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ID Code (A=Service Ready, B=Not Service Ready) : A **MDAP/MAIS Code:**

Resource Summary	Prior Years	FY 2014	FY 2015	FY 2016 Base	FY 2016 OCO	FY 2016 Total
Procurement Quantity (Units in Each)	416	-	18	142	-	142
Gross/Weapon System Cost (\$ in Millions)	9.095	-	4.485	8.284	-	8.284
Less PY Advance Procurement (\$ in Millions)	-	-	-	-	-	-
Net Procurement (P1) (\$ in Millions)	9.095	-	4.485	8.284	-	8.284
Plus CY Advance Procurement (\$ in Millions)	-	-	-	-	-	-
Total Obligation Authority (\$ in Millions)	9.095	-	4.485	8.284	-	8.284

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

Initial Spares (\$ in Millions)	-	-	-	-	-	-
Gross/Weapon System Unit Cost (\$ in Thousands)	21.863	-	249.167	58.338	-	58.338

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

Cost Elements	Prior Years			FY 2014			FY 2015			FY 2016 Base			FY 2016 OCO			FY 2016 Total		
	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)
Flyaway Cost																		
Recurring Cost																		
RF RAMS Complete Set ^(†)	14.685	416	6.109	-	-	-	32.000	18	0.576	32.606	142	4.630	-	-	-	32.606	142	4.630
RF RAMS Shock Tube Initiator, XM50 ^(†)	-	-	-	-	-	-	1.352	1,700	2.298	1.377	1,800	2.479	-	-	-	1.377	1,800	2.479
RF RAMS Trainer / Receiver, M85A1 ^(†)	-	-	-	-	-	-	1.500	200	0.300	-	-	-	-	-	-	-	-	-
Production Engineering	-	-	2.224	-	-	-	-	-	1.146	-	-	1.175	-	-	-	-	-	1.175
Production Tooling	-	-	0.762	-	-	-	-	-	0.164	-	-	-	-	-	-	-	-	-
<i>Subtotal: Recurring Cost</i>	-	-	9.095	-	-	-	-	-	4.484	-	-	8.284	-	-	-	-	-	8.284
<i>Subtotal: Flyaway Cost</i>	-	-	9.095	-	-	-	-	-	4.484	-	-	8.284	-	-	-	-	-	8.284
Gross/Weapon System Cost	21.863	416	9.095	-	-	-	249.167	18	4.485	58.338	142	8.284	-	-	-	58.338	142	8.284

Secondary Distribution		FY 2014	FY 2015	FY 2016 Base	FY 2016 OCO	FY 2016 Total
Army	Quantity	-	8	63	-	63
	Total Obligation Authority	-	1.956	3.690	-	3.690
ANG	Quantity	-	3	53	-	53
	Total Obligation Authority	-	0.819	3.102	-	3.102
AR	Quantity	-	7	26	-	26

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

Appropriation / Budget Activity / Budget Sub Activity: 2035A / 03 / 20	P-1 Line Item Number / Title: M60001 / Remote Demolition Systems	Item Number / Title [DODIC]: M60002 / RADIO FREQUENCY RAMS
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ID Code (A=Service Ready, B=Not Service Ready) : A		MDAP/MAIS Code:				
Secondary Distribution		FY 2014	FY 2015	FY 2016 Base	FY 2016 OCO	FY 2016 Total
	Total Obligation Authority	-	1.710	1.492	-	1.492
Total:	Quantity	-	18	142	-	142
Secondary Distribution	Total Obligation Authority	-	4.485	8.284	-	8.284

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

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

Appropriation / Budget Activity / Budget Sub Activity: 2035A / 03 / 20	P-1 Line Item Number / Title: M60001 / Remote Demolition Systems	Item Number / Title [DODIC]: M60002 / RADIO FREQUENCY RAMS
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Cost Elements	O C O	FY	Contractor and Location	Method/Type or Funding Vehicle	Location of PCO	Award Date	Date of First Delivery	Qty <i>(Each)</i>	Unit Cost <i>(\$ K)</i>	Specs Avail Now?	Date Revision Available	RFP Issue Date
RF RAMS Complete Set ^(†)		2013	Raytheon / Indianapolis, IN	C / FP	Picatinny NJ	Oct 2013	Mar 2015	200	9.900			
RF RAMS Complete Set		2015	Raytheon / Indianapolis, IN	C / FP	Picatinny NJ	May 2015	Nov 2016	18	32.000			
RF RAMS Complete Set ^(†)		2016	TBS / TBS	C / FP	Picatinny NJ	May 2016	Aug 2017	142	32.606			
RF RAMS Shock Tube Initiator, XM50 ^(†)		2015	TBS / TBS	C / FP	Picatinny NJ	May 2015	Nov 2016	1,700	1.352			
RF RAMS Shock Tube Initiator, XM50 ^(†)		2016	TBS / TBS	C / FP	Picatinny NJ	Mar 2016	Mar 2017	1,800	1.377			
RF RAMS Trainer / Receiver, M85A1		2015	OGA/Work Order / ARL, MD	C / FP	Picatinny NJ	Aug 2015	Nov 2016	200	1.500			

^(†) indicates the presence of a P-21

Remarks:
 RF RAMS Complete Set will be a new contract in FY16
 RF RAMS STI, XM50 FY16 Year 1 Option to FY15 Contract Award

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

Appropriation / Budget Activity / Budget Sub Activity: 2035A / 03 / 20 **P-1 Line Item Number / Title:** M60001 / Remote Demolition Systems **Item Number / Title [DODIC]:** M60002 / RADIO FREQUENCY RAMS

Cost Elements <i>(Units in Each)</i>						Fiscal Year 2014												Fiscal Year 2015																	
O C O	M F R #	FY	SERVICE	PROC QTY	ACCEPT PRIOR TO 1 OCT 2013	BAL DUE AS OF 1 OCT	Calendar Year 2014												Calendar Year 2015																
							O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	B A L				
RF RAMS Complete Set																																			
Prior Years Deliveries: 216																																			
	1	2013	ARMY	200	-	200	A	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	2	2016	ARMY	142	-	142																													142
RF RAMS Shock Tube Initiator, XM50																																			
	3	2015	ARMY	1,700	-	1,700																													1,700
	3	2016	ARMY	1,800	-	1,800																													1,800
							O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	B A L				

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Exhibit P-21, Production Schedule: PB 2016 Army	Date: February 2015
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Appropriation / Budget Activity / Budget Sub Activity: 2035A / 03 / 20	P-1 Line Item Number / Title: M60001 / Remote Demolition Systems	Item Number / Title [DODIC]: M60002 / RADIO FREQUENCY RAMS
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MFR Ref #	MFR Name - Location	Production Rates (Each / Month)			Procurement Leadtime (Months)							
		MSR For 2016	1-8-5 For 2016	MAX For 2016	Initial				Reorder			
					ALT Prior to Oct 1	ALT After Oct 1	Mfg PLT	Total After Oct 1	ALT Prior to Oct 1	ALT After Oct 1	Mfg PLT	Total After Oct 1
1	Raytheon - Indianapolis, IN	5	20	50	8	8	18	26	6	6	12	18
2	TBS - TBS	5	20	300	8	8	18	26	6	6	12	18
3	TBS - TBS	5	20	300	8	8	18	26	6	6	12	18

Remarks:
Production rates shown are monthly.

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

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Exhibit P-5, Cost Analysis: PB 2016 Army													Date: February 2015					
Appropriation / Budget Activity / Budget Sub Activity: 2035A / 03 / 20						P-1 Line Item Number / Title: M60001 / Remote Demolition Systems						Item Number / Title [DODIC]: M60003 / MI RAMS						
ID Code (A=Service Ready, B=Not Service Ready) : A						MDAP/MAIS Code:												
Resource Summary				Prior Years		FY 2014		FY 2015		FY 2016 Base		FY 2016 OCO		FY 2016 Total				
Procurement Quantity (<i>Units in Each</i>)				-		-		-		-		-		-				
Gross/Weapon System Cost (<i>\$ in Millions</i>)				15.373		0.100		-		-		-		-				
Less PY Advance Procurement (<i>\$ in Millions</i>)				-		-		-		-		-		-				
Net Procurement (P1) (<i>\$ in Millions</i>)				15.373		0.100		-		-		-		-				
Plus CY Advance Procurement (<i>\$ in Millions</i>)				-		-		-		-		-		-				
Total Obligation Authority (<i>\$ in Millions</i>)				15.373		0.100		-		-		-		-				
<i>(The following Resource Summary rows are for informational purposes only. The corresponding budget requests are documented elsewhere.)</i>																		
Initial Spares (<i>\$ in Millions</i>)				-		-		-		-		-		-		-		
Gross/Weapon System Unit Cost (<i>\$ in Thousands</i>)				-		-		-		-		-		-		-		
Note: Subtotals or Totals in this Exhibit P-5 may not be exact or add, due to rounding.																		
Cost Elements	Prior Years			FY 2014			FY 2015			FY 2016 Base			FY 2016 OCO			FY 2016 Total		
	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)
Flyaway Cost																		
Recurring Cost																		
MI RAMS Complete Set	124.080	100	12.408	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Production Engineering	-	-	2.965	-	-	0.100	-	-	-	-	-	-	-	-	-	-	-	-
<i>Subtotal: Recurring Cost</i>	-	-	15.373	-	-	0.100	-	-	-	-	-	-	-	-	-	-	-	-
<i>Subtotal: Flyaway Cost</i>	-	-	15.373	-	-	0.100	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Cost	-	-	15.373	-	-	0.100	-	-	-	-	-	-	-	-	-	-	-	-
Secondary Distribution						FY 2014		FY 2015		FY 2016 Base		FY 2016 OCO		FY 2016 Total				
Army						Quantity		-		-		-		-				
						Total Obligation Authority		0.100		-		-		-				
Total: Secondary Distribution						Quantity		-		-		-		-				
						Total Obligation Authority		0.100		-		-		-				

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

Appropriation / Budget Activity / Budget Sub Activity: 2035A: Other Procurement, Army / BA 03: Other Support Equipment / BSA 20: Engineer (Non-Construction) Equipment	P-1 Line Item Number / Title: MA7700 / < \$5M, Countermining Equipment
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ID Code (A=Service Ready, B=Not Service Ready) : A	Program Elements for Code B Items:						Other Related Program Elements:					
Resource Summary	Prior Years	FY 2014	FY 2015	FY 2016 Base	FY 2016 OCO	FY 2016 Total	FY 2017	FY 2018	FY 2019	FY 2020	To Complete	Total
Procurement Quantity (Units in Each)	26	-	58	132	-	132	60	108	115	109	Continuing	Continuing
Gross/Weapon System Cost (\$ in Millions)	53.636	2.725	2.938	5.459	-	5.459	2.988	4.762	5.127	5.005	Continuing	Continuing
Less PY Advance Procurement (\$ in Millions)	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P1) (\$ in Millions)	53.636	2.725	2.938	5.459	-	5.459	2.988	4.762	5.127	5.005	Continuing	Continuing
Plus CY Advance Procurement (\$ in Millions)	-	-	-	-	-	-	-	-	-	-	-	-
Total Obligation Authority (\$ in Millions)	53.636	2.725	2.938	5.459	-	5.459	2.988	4.762	5.127	5.005	Continuing	Continuing

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

Initial Spares (\$ in Millions)	-	-	-	-	-	-	-	-	-	-	-	-
Flyaway Unit Cost (\$ in Thousands)	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Unit Cost (\$ in Thousands)	2,062.923	-	50.655	41.356	-	41.356	49.800	44.093	44.583	45.917	Continuing	Continuing

Description:

This line covers procurement of countermining equipment with a total cost of less than five million dollars. This line includes detectors, neutralizing devices, training aids and devices to support New Equipment Training (NET), initial entry training, and institutional training, as well as any related tasks. It also funds initial fielding and deployment of equipment to support Military Working Dogs.

The M303 Blasting Demolition Kit (BDK) contains shaped charge liners and other demolition items that are used to fabricate customized demolitions in the field. The kit can be procured as a whole kit or as individual components.

The Family of Military Working Dogs (MWD) includes the Specialized Search Dog (SSD), Mine Detection Dog (MDD), Patrol Narcotics Detection Dog (PNDD), and legacy Patrol Explosive Detector Dogs (PEDD). Items to be acquired for MWD support includes commercial kennels, scent kits, deployment kits, organizational kits and kits to support installation requirements.

Secondary Distribution		FY 2014	FY 2015	FY 2016 Base	FY 2016 OCO	FY 2016 Total	FY 2017	FY 2018	FY 2019	FY 2020
Army	Quantity	-	29	44	-	44	26	47	53	50
	Total Obligation Authority	1.891	1.469	1.859	-	1.859	1.324	2.047	2.473	2.301
ANG	Quantity	-	29	44	-	44	24	45	53	50
	Total Obligation Authority	0.637	1.469	1.800	-	1.800	1.150	1.935	2.468	2.300
AR	Quantity	-	-	44	-	44	10	16	9	9
	Total Obligation Authority	0.197	-	1.800	-	1.800	0.514	0.780	0.186	0.404
Total:	Quantity	-	58	132	-	132	60	108	115	109

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

Appropriation / Budget Activity / Budget Sub Activity: 2035A: Other Procurement, Army / BA 03: Other Support Equipment / BSA 20: Engineer (Non-Construction) Equipment	P-1 Line Item Number / Title: MA7700 / < \$5M, Countermining Equipment
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ID Code (A=Service Ready, B=Not Service Ready) : A		Program Elements for Code B Items:				Other Related Program Elements:				
Secondary Distribution		FY 2014	FY 2015	FY 2016 Base	FY 2016 OCO	FY 2016 Total	FY 2017	FY 2018	FY 2019	FY 2020
Secondary Distribution	Total Obligation Authority	2.725	2.938	5.459	-	5.459	2.988	4.762	5.127	5.005

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

Appropriation / Budget Activity / Budget Sub Activity:
 2035A: Other Procurement, Army / BA 03: Other Support Equipment / BSA 20:
 Engineer (Non-Construction) Equipment **P-1 Line Item Number / Title:**
 MA7700 / < \$5M, Countermine Equipment

ID Code (A=Service Ready, B=Not Service Ready) : A			Program Elements for Code B Items:			Other Related Program Elements:		
Exhibits Schedule			Prior Years	FY 2014	FY 2015	FY 2016 Base	FY 2016 OCO	FY 2016 Total
Title*	Exhibits	ID CD	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)
MA7700 / < \$5M, Countermine Equipment	P-5, P-5a, P-21	A	26 / 53.636	- / 2.725	58 / 2.938	132 / 5.459	- / -	132 / 5.459
Total Gross/Weapon System Cost			26 / 53.636	- / 2.725	58 / 2.938	132 / 5.459	- / -	132 / 5.459

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

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

Justification:
 FY 2016 Base procurement dollars in the amount of \$5.459 million procures initial fielding and deployment of 132 Blasting Demolition Kits to support initial fielding to combat engineers. War reserve requirements support OSD-approved Combatant Commander Operational Plans, Homeland Defense, and other OSD-directed missions. Training requirements support individual and collective training of Active and Reserve Component forces at Army schools, home station and the combined training centers. Test requirements support the development, fielding, safety and quality assurance of Army munitions and equipment throughout their life-cycle.

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Exhibit P-5, Cost Analysis: PB 2016 Army					Date: February 2015				
Appropriation / Budget Activity / Budget Sub Activity: 2035A / 03 / 20			P-1 Line Item Number / Title: MA7700 / < \$5M, Countermine Equipment				Item Number / Title [DODIC]: MA7700 / < \$5M, Countermine Equipment		
ID Code (A=Service Ready, B=Not Service Ready) : A					MDAP/MAIS Code:				
Resource Summary			Prior Years	FY 2014	FY 2015	FY 2016 Base	FY 2016 OCO	FY 2016 Total	
Procurement Quantity (Units in Each)			26	-	58	132	-	132	
Gross/Weapon System Cost (\$ in Millions)			53.636	2.725	2.938	5.459	-	5.459	
Less PY Advance Procurement (\$ in Millions)			-	-	-	-	-	-	
Net Procurement (P1) (\$ in Millions)			53.636	2.725	2.938	5.459	-	5.459	
Plus CY Advance Procurement (\$ in Millions)			-	-	-	-	-	-	
Total Obligation Authority (\$ in Millions)			53.636	2.725	2.938	5.459	-	5.459	
<i>(The following Resource Summary rows are for informational purposes only. The corresponding budget requests are documented elsewhere.)</i>									
Initial Spares (\$ in Millions)			-	-	-	-	-	-	
Gross/Weapon System Unit Cost (\$ in Thousands)			2,062.923	-	50.655	41.356	-	41.356	

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

Cost Elements	Prior Years			FY 2014			FY 2015			FY 2016 Base			FY 2016 OCO			FY 2016 Total		
	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)
Hardware Cost																		
Recurring Cost																		
M303 BDK/ Individual Hardware Components ^(†)	313.430	161	50.462	31.922	38	1.213	31.030	58	1.800	31.610	132	4.172	-	-	-	31.610	132	4.172
Deployable Kennels ^(†)	7.736	159	1.230	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Subtotal: Recurring Cost	-	-	51.692	-	-	1.213	-	-	1.800	-	-	4.173	-	-	-	-	-	4.173
Non Recurring Cost																		
Production Engineering - M303 BDK	-	-	1.542	-	-	1.058	-	-	1.138	-	-	1.286	-	-	-	-	-	1.286
Production Engineering - FMWD	-	-	-	-	-	0.166	-	-	-	-	-	-	-	-	-	-	-	-
Logistics - FMWD	-	-	-	-	-	0.133	-	-	-	-	-	-	-	-	-	-	-	-
Fielding - FMWD	-	-	-	-	-	0.100	-	-	-	-	-	-	-	-	-	-	-	-
FAT - FMWD	-	-	-	-	-	0.010	-	-	-	-	-	-	-	-	-	-	-	-
FAT - Blasting Demo Kit	-	-	0.142	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Shipping - FMWD	-	-	-	-	-	0.045	-	-	-	-	-	-	-	-	-	-	-	-
Engineering Change Proposal - BDK	-	-	0.100	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

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Exhibit P-5, Cost Analysis: PB 2016 Army		Date: February 2015
Appropriation / Budget Activity / Budget Sub Activity: 2035A / 03 / 20	P-1 Line Item Number / Title: MA7700 / < \$5M, Countermine Equipment	Item Number / Title [DODIC]: MA7700 / < \$5M, Countermine Equipment
ID Code (A=Service Ready, B=Not Service Ready) : A		MDAP/MAIS Code:

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

Cost Elements	Prior Years			FY 2014			FY 2015			FY 2016 Base			FY 2016 OCO			FY 2016 Total		
	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)
Technical Data Package Update - BDK	-	-	0.160	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
<i>Subtotal: Non Recurring Cost</i>	-	-	1.944	-	-	1.512	-	-	1.138	-	-	1.286	-	-	-	-	-	1.286
<i>Subtotal: Hardware Cost</i>	-	-	53.636	-	-	2.725	-	-	2.938	-	-	5.459	-	-	-	-	-	5.459
Gross/Weapon System Cost	2,062.923	26	53.636	-	-	2.725	50.655	58	2.938	41.356	132	5.459	-	-	-	41.356	132	5.459

Secondary Distribution		FY 2014	FY 2015	FY 2016 Base	FY 2016 OCO	FY 2016 Total
Army	Quantity	-	29	44	-	44
	Total Obligation Authority	1.891	1.469	1.859	-	1.859
ANG	Quantity	-	29	44	-	44
	Total Obligation Authority	0.637	1.469	1.800	-	1.800
AR	Quantity	-	-	44	-	44
	Total Obligation Authority	0.197	-	1.800	-	1.800
Total: Secondary Distribution	Quantity	-	58	132	-	132
	Total Obligation Authority	2.725	2.938	5.459	-	5.459

(†) indicates the presence of a P-5a

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Exhibit P-5a, Procurement History and Planning: PB 2016 Army							Date: February 2015					
Appropriation / Budget Activity / Budget Sub Activity: 2035A / 03 / 20				P-1 Line Item Number / Title: MA7700 / < \$5M, Countermine Equipment				Item Number / Title [DODIC]: MA7700 / < \$5M, Countermine Equipment				

Cost Elements	O C O	FY	Contractor and Location	Method/Type or Funding Vehicle	Location of PCO	Award Date	Date of First Delivery	Qty <i>(Each)</i>	Unit Cost <i>(\$ K)</i>	Specs Avail Now?	Date Revision Available	RFP Issue Date
M303 BDK/Individual Hardware Components ^(†)		2012	Spectra Technologies, LLC / Camden, AR	C / IDIQ	Picatinny Arsenal, NJ	Aug 2014	Feb 2016	135	24.538			
M303 BDK/Individual Hardware Components ^(†)		2013	Spectra Technologies, LLC / Camden, AR	C / IDIQ	Picatinny Arsenal, NJ	Aug 2014	Feb 2016	26	24.538			
M303 BDK/Individual Hardware Components ^(†)		2014	Spectra Technologies, LLC / Camden, AR	C / IDIQ	Picatinny Arsenal, NJ	Aug 2014	Feb 2016	38	31.922			
M303 BDK/Individual Hardware Components		2015	Spectra Technologies, LLC / Camden, AR	C / IDIQ	Picatinny Arsenal, NJ	Mar 2016	Mar 2017	58	31.030			
M303 BDK/Individual Hardware Components		2016	Spectra Technologies, LLC / Camden, AR	C / IDIQ	Picatinny Arsenal, NJ	Mar 2016	Mar 2017	132	31.610			
Deployable Kennels ^(†)		2013	Highland Engineering / Howell, MI	C / FP	Picatinny Arsenal, NJ	Sep 2014	Oct 2014	159	7.627			

^(†) indicates the presence of a P-21

Remarks:
FY2015 and FY2016 awards will be delivery orders on the contract awarded in FY2014 and will be combined for an economical procurement.

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Exhibit P-21, Production Schedule: PB 2016 Army		Date: February 2015
Appropriation / Budget Activity / Budget Sub Activity: 2035A / 03 / 20		P-1 Line Item Number / Title: MA7700 / < \$5M, Countermine Equipment
		Item Number / Title [DODIC]: MA7700 / < \$5M, Countermine Equipment

Cost Elements <i>(Units in Each)</i>					Fiscal Year 2016												Fiscal Year 2017														
O C C #	M F R #	FY	SERVICE	PROC QTY	ACCEPT PRIOR TO 1 OCT 2015	BAL DUE AS OF 1 OCT	Calendar Year 2016												Calendar Year 2017												B A L
							O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	
M303 BDK/Individual Hardware Components																															
1		2012	ARMY (VII)	135	-	135	-	-	-	-	-	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	7	-		
1		2013	ARMY (VIII)	26	-	26	-	-	-	-	-	8	8	8	2														-		
1		2014	ARMY (IX)	38	-	38	-	-	-	-	-	8	8	8	7	7													-		
Deployable Kennels																															
2		2013	ARMY	159	159	-																							-		
							O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	B A L

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Exhibit P-21, Production Schedule: PB 2016 Army								Date: February 2015				
Appropriation / Budget Activity / Budget Sub Activity: 2035A / 03 / 20					P-1 Line Item Number / Title: MA7700 / < \$5M, Countermine Equipment				Item Number / Title [DODIC]: MA7700 / < \$5M, Countermine Equipment			

MFR Ref #	MFR Name - Location	Production Rates (Each / Month)			Procurement Leadtime (Months)							
		MSR For 2016	1-8-5 For 2016	MAX For 2016	Initial				Reorder			
					ALT Prior to Oct 1	ALT After Oct 1	Mfg PLT	Total After Oct 1	ALT Prior to Oct 1	ALT After Oct 1	Mfg PLT	Total After Oct 1
1	Spectra Technologies, LLC - Camden, AR	10	35	35	15	15	18	33	3	3	12	15
2	Highland Engineering - Howell, MI	10	40	40	15	15	18	33	3	3	12	15

Remarks:
P21 forms begin in FY12. Prior to FY12 funding was less than five million.

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

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

Service/Agency Suffixes:

- (VII) BASE
- (VIII) BASE
- (IX) BASE

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

Appropriation / Budget Activity / Budget Sub Activity: 2035A: Other Procurement, Army / BA 03: Other Support Equipment / BSA 20: Engineer (Non-Construction) Equipment	P-1 Line Item Number / Title: R12001 / Family of Boats and Motors
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ID Code (A=Service Ready, B=Not Service Ready) :	Program Elements for Code B Items:						Other Related Program Elements:					
Resource Summary	Prior Years	FY 2014	FY 2015	FY 2016 Base	FY 2016 OCO	FY 2016 Total	FY 2017	FY 2018	FY 2019	FY 2020	To Complete	Total
Procurement Quantity (Units in Each)	-	-	-	299	-	299	94	157	243	334	-	1,127
Gross/Weapon System Cost (\$ in Millions)	-	-	-	8.429	-	8.429	3.224	4.348	6.019	7.620	-	29.640
Less PY Advance Procurement (\$ in Millions)	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P1) (\$ in Millions)	-	-	-	8.429	-	8.429	3.224	4.348	6.019	7.620	-	29.640
Plus CY Advance Procurement (\$ in Millions)	-	-	-	-	-	-	-	-	-	-	-	-
Total Obligation Authority (\$ in Millions)	-	-	-	8.429	-	8.429	3.224	4.348	6.019	7.620	-	29.640

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

Initial Spares (\$ in Millions)	-	-	-	-	-	-	-	-	-	-	-	-
Flyaway Unit Cost (\$ in Thousands)	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Unit Cost (\$ in Thousands)	-	-	-	28.191	-	28.191	34.298	27.694	24.770	22.814	-	26.300

Description:

The Family of Boats and Motors (FoBaM) consists of 3-person Pneumatic Combat Reconnaissance Craft (P-CRC), 7-person Inflatable Combat Raiding Craft (I-CRC), 15 person Inflatable Combat Assault Craft (I-CAC), Common Motor, and Rigid Inflatable Boat (RIB). The 3-person P-CRC, 7-person I-CRC, 15-person I-CAC, and Common Motor replace current outdated legacy systems. The RIB adds a new capability to the field. All systems support both engineer and special forces in a variety of operations such as: assault landings; reconnaissance and river crossing operations; infiltration and exfiltration; long-range surveillance; amphibious raid, surface swimming, dive, submarine, ravine, anti-mine, bridging, and air operations; underwater construction; underwater repair work; dam and pier repairs; light salvage; and humanitarian aid/disaster relief. Army Acquisition Objective (AAO) for FoBaM is: 7-person I-CRC 394, 15-person I-CAC 528, Common Motor 932, and RIB 29.

Funds in this program are realignment of funds from program Items Less than \$5M, SSN ML5301 for more efficient, effective program management.

Secondary Distribution	FY 2014	FY 2015	FY 2016 Base	FY 2016 OCO	FY 2016 Total	FY 2017	FY 2018	FY 2019	FY 2020	
Army	Quantity	-	-	113	-	113	55	89	135	113
	Total Obligation Authority	-	-	3.698	-	3.698	2.174	2.735	3.526	3.237
ANG	Quantity	-	-	167	-	167	35	60	94	145
	Total Obligation Authority	-	-	3.873	-	3.873	0.957	1.428	2.163	2.992
AR	Quantity	-	-	19	-	19	4	8	14	76
	Total Obligation Authority	-	-	0.858	-	0.858	0.093	0.185	0.330	1.391
Total:	Quantity	-	-	299	-	299	94	157	243	334
Secondary Distribution	Total Obligation Authority	-	-	8.429	-	8.429	3.224	4.348	6.019	7.620

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

Appropriation / Budget Activity / Budget Sub Activity: 2035A: Other Procurement, Army / BA 03: Other Support Equipment / BSA 20: Engineer (Non-Construction) Equipment	P-1 Line Item Number / Title: R12001 / Family of Boats and Motors
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ID Code (A=Service Ready, B=Not Service Ready) :			Program Elements for Code B Items:			Other Related Program Elements:		
Exhibits Schedule			Prior Years	FY 2014	FY 2015	FY 2016 Base	FY 2016 OCO	FY 2016 Total
Title*	Exhibits	ID CD	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)
R12010 / FoBAM Common Motor	P-40a		- / -	- / -	- / -	197 / 4.667	- / -	197 / 4.667
R12015 / FoBAM Rigid Inflatable Boat	P-40a		- / -	- / -	- / -	5 / 1.955	- / -	5 / 1.955
R12016 / FoBAM 7-Man Boat	P-40a		- / -	- / -	- / -	28 / 0.431	- / -	28 / 0.431
R12028 / FoBAM 15-Man Boat	P-40a		- / -	- / -	- / -	69 / 1.376	- / -	69 / 1.376
Total Gross/Weapon System Cost			- / -	- / -	- / -	299 / 8.429	- / -	299 / 8.429

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

Justification:
 FY16 Base procurement dollars in the amount of \$8.429 million supports a quantity of 197 Common Motors, 5 RIB, 28 7-person I-CRC, and 69 15-person I-CAC. Providing soldiers these systems will give them the capability to complete required missions, provide support to civil authorities and deter and defeat hybrid threats in support of Army Force Generation (ARFORGEN) requirements.

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.

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Exhibit P-40a, Budget Item Justification For Aggregated Items: PB 2016 Army															Date: February 2015				
Appropriation / Budget Activity / Budget Sub Activity: 2035A / 03 / 20							P-1 Line Item Number / Title: R12001 / Family of Boats and Motors								Aggregated Items Title: Various				

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

Item Number / Title [DODIC]	ID CD	MDAP/MAIS Code	Prior Years			FY 2014			FY 2015			FY 2016 Base			FY 2016 OCO			FY 2016 Total		
			Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)
FoBAM Common Motor																				
R12010 / FoBAM Common Motor			-	-	-	-	-	-	-	-	-	23.690	197	4.667	-	-	-	23.690	197	4.667
<i>Secondary Distribution</i>																				
Army				-	-	-	-	-	-	-	-		84	1.962		-	-		84	1.962
ANG				-	-	-	-	-	-	-	-		113	2.705		-	-		113	2.705
AR				-	-	-	-	-	-	-	-		-	-		-	-		-	-
R12015 / FoBAM Rigid Inflatable Boat			-	-	-	-	-	-	-	-	-	391.000	5	1.955	-	-	-	391.000	5	1.955
<i>Secondary Distribution</i>																				
Army				-	-	-	-	-	-	-	-		4	1.312		-	-		4	1.312
ANG				-	-	-	-	-	-	-	-		1	0.643		-	-		1	0.643
R12016 / FoBAM 7-Man Boat			-	-	-	-	-	-	-	-	-	15.393	28	0.431	-	-	-	15.393	28	0.431
<i>Secondary Distribution</i>																				
Army				-	-	-	-	-	-	-	-		18	0.286		-	-		18	0.286
ANG				-	-	-	-	-	-	-	-		10	0.145		-	-		10	0.145
R12028 / FoBAM 15-Man Boat			-	-	-	-	-	-	-	-	-	19.942	69	1.376	-	-	-	19.942	69	1.376
<i>Secondary Distribution</i>																				
Army				-	-	-	-	-	-	-	-		7	0.138		-	-		7	0.138
ANG				-	-	-	-	-	-	-	-		43	0.380		-	-		43	0.380
AR				-	-	-	-	-	-	-	-		19	0.858		-	-		19	0.858
<i>Subtotal: FoBAM Common Motor</i>			-	-	-	-	-	-	-	-	-	-	-	8.429	-	-	-	-	-	8.429
Total			-	-	-	-	-	-	-	-	-	-	-	8.429	-	-	-	-	-	8.429

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

Appropriation / Budget Activity / Budget Sub Activity: 2035A: Other Procurement, Army / BA 03: Other Support Equipment / BSA 25: Combat Service Support Equipment	P-1 Line Item Number / Title: MF9000 / Heaters and ECU's
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ID Code (A=Service Ready, B=Not Service Ready) :			Program Elements for Code B Items:					Other Related Program Elements: 0608804A				
Resource Summary	Prior Years	FY 2014	FY 2015	FY 2016 Base	FY 2016 OCO	FY 2016 Total	FY 2017	FY 2018	FY 2019	FY 2020	To Complete	Total
Procurement Quantity (<i>Units in Each</i>)	331	-	592	1,624	-	1,624	2,365	789	-	-	Continuing	Continuing
Gross/Weapon System Cost (<i>\$ in Millions</i>)	207.585	6.269	9.235	18.876	-	18.876	26.434	11.903	1.523	1.552	Continuing	Continuing
Less PY Advance Procurement (<i>\$ in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P1) (<i>\$ in Millions</i>)	207.585	6.269	9.235	18.876	-	18.876	26.434	11.903	1.523	1.552	Continuing	Continuing
Plus CY Advance Procurement (<i>\$ in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Total Obligation Authority (<i>\$ in Millions</i>)	207.585	6.269	9.235	18.876	-	18.876	26.434	11.903	1.523	1.552	Continuing	Continuing
<i>(The following Resource Summary rows are for informational purposes only. The corresponding budget requests are documented elsewhere.)</i>												
Initial Spares (<i>\$ in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Flyaway Unit Cost (<i>\$ in Thousands</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Unit Cost (<i>\$ in Thousands</i>)	627.145	-	15.600	11.623	-	11.623	11.177	15.086	-	-	Continuing	Continuing

Description:

The Improved Environmental Control Unit (IECU) program provides cooling and supplemental heating for Army tents and shelters. Systems range in size from 9,000 to 60,000 British Thermal Units/hour (BTU/hr) and are powered by common electrical currents supplied by both mobile electric power systems and standard commercial facilities. IECUs also provide dehumidification and filtering of air in support of environmentally sensitive electronic equipment in mobile shelters and vans. IECUs support critical electronic equipment that would not support the Army mission without proper environmental control. The majority of the supported weapon systems are command, control, and communication items. Other applications include medical facilities, force provider systems, support equipment, satellite communications, intelligence gathering systems, petroleum and water logistics laboratories, electronic shop sets, Test Measurement and Diagnostic Equipment (TMDE), aviation shop sets and topographic support sets.

The Improved Environmental Control Unit (IECU) program will provide a new generation of Environmental Control Units (ECUs) that use environmentally approved refrigerants, with zero ozone-depleting chemicals (ODCs), to replace the current Military Standard (MIL-STD) Family of ECUs. IECUs are required to replace currently fielded environmental control units in order to comply with statutory and regulatory restrictions on the use of Class II Ozone Depleting Chemicals (ODCs) and to increase the performance of military ECUs. They are form, fit and function replacements to the current MIL-STD ECUs. IECUs operate at wider operating temperatures, are more ruggedized than commercial ECUs, and employ embedded diagnostics and automatic safety controls. Technical improvements over existing military-standard ECUs will yield significant fuel and weight savings, reduction in scheduled maintenance, and increased reliability.

The 60,000 British Thermal Units per hour (BTU/H) Improved Environmental Control Unit (IECU) program replaces the heavy and inefficient fielded Environmental Control Units that utilize ozone depleting refrigerants. The 60,000 BTU/HR IECU will be a replacement for the existing Army 54,000-BTU/HR Environmental Control Unit (ECU) and Air Force developed 66,000-BTU/HR Field Deployable Environmental Control Unit. The 60,000 BTU/H IECU will be lighter in weight than the existing military ECUs.

The Large Capacity Field Heater (LCFH) provides 400,000 BTUH. It is used to heat maintenance tents, specifically the Lightweight Maintenance Enclosure (LME), in cold environments so that soldiers can safely repair a wide variety of equipment such as trucks, tanks, helicopters, and air defense and field artillery systems. It is thermostatically controlled and uses either diesel or JP-8 fuel to produce heat. This supports the single fuel on the battlefield concept. The LCFH is mobile and delivers both heated and re-circulated fresh and vented air through sealed, detachable, flexible ducts. It is suitable for use in temperate and arctic environments. It replaces the dangerous, outdated, gasoline powered, 400,000 BTUH Herman Nelson Heater. The LCFH is safer for personnel operating equipment in enclosed areas because it eliminates carbon monoxide emissions within the shelters. The LCFH has many proven advantages over its Commercial-Off-The-Shelf (COTS) heater alternatives which include lower procurement/life cycle costs, higher operating efficiency, and significantly reduced fuel costs. The rugged LCFH also meets military's stringent transportation, health, safety, and environmental requirements and provides the soldier in the field a safe, maintainable and reliable heating system with built-in diagnostics to aid in simplified repairs and reduced down time to increase mission readiness.

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Exhibit P-40, Budget Line Item Justification: PB 2016 Army							Date: February 2015			
Appropriation / Budget Activity / Budget Sub Activity: 2035A: Other Procurement, Army / BA 03: Other Support Equipment / BSA 25: Combat Service Support Equipment					P-1 Line Item Number / Title: MF9000 / Heaters and ECU's					
ID Code (A=Service Ready, B=Not Service Ready) :			Program Elements for Code B Items:				Other Related Program Elements: 0608804A			

Secondary Distribution		FY 2014	FY 2015	FY 2016 Base	FY 2016 OCO	FY 2016 Total	FY 2017	FY 2018	FY 2019	FY 2020
Army	Quantity	-	355	864	-	864	1,276	409	-	-
	Total Obligation Authority	6.269	5.207	9.964	-	9.964	14.127	6.128	1.523	1.552
ANG	Quantity	-	213	559	-	559	844	270	-	-
	Total Obligation Authority	-	3.120	6.546	-	6.546	9.523	4.102	-	-
AR	Quantity	-	24	201	-	201	245	110	-	-
	Total Obligation Authority	-	0.908	2.366	-	2.366	2.784	1.673	-	-
Total: Secondary Distribution	Quantity	-	592	1,624	-	1,624	2,365	789	-	-
	Total Obligation Authority	6.269	9.235	18.876	-	18.876	26.434	11.903	1.523	1.552

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

Appropriation / Budget Activity / Budget Sub Activity: 2035A: Other Procurement, Army / BA 03: Other Support Equipment / BSA 25: Combat Service Support Equipment	P-1 Line Item Number / Title: MF9000 / Heaters and ECU's
--	--

ID Code (A=Service Ready, B=Not Service Ready) :			Program Elements for Code B Items:			Other Related Program Elements: 0608804A		
Exhibits Schedule			Prior Years	FY 2014	FY 2015	FY 2016 Base	FY 2016 OCO	FY 2016 Total
Title*	Exhibits	ID CD	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)
MF9303 / IMPROVED ENVIRONMENTAL CONTROL UNITS	P-5, P-5a, P-21		331 / 94.125	- / 6.269	592 / 9.235	1,624 / 18.876	- / -	1,624 / 18.876
Total Gross/Weapon System Cost			331 / 207.585	- / 6.269	592 / 9.235	1,624 / 18.876	- / -	1,624 / 18.876

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

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

Justification:
 FY16 Base procurement dollars in the amount of \$18.876 million supports the family of Improved Environmental Control Units 9,000 BTU/hr (British Thermal Units), 18,000 BTU/hr and 36,000 BTU/hr IECUs that are required as a component or separately authorized in support of fielded tactical weapon systems. They are required to fill existing shortages or provide replacement for assets that are over-aged, unsupportable, and not repairable. The IECUs are critical to the systems they support. Additionally, IECUs are required to fill urgent shortages on new fieldings of high priority weapon systems. They are used in select shelters which house critical life-saving operations in Combat Support Hospitals and storage of perishable supplies in Brigade Support Battalions. The 9,000 BTU/hr, 18,000 BTU/hr and 36,000 BTU/hr IECUs provide an EPA compliant capability to the force structure before commercial/military stocks of previously used refrigerant are exhausted and no longer available.

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 CFHmilitary support to civil authorities.

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Exhibit P-5, Cost Analysis: PB 2016 Army		Date: February 2015
Appropriation / Budget Activity / Budget Sub Activity: 2035A / 03 / 25	P-1 Line Item Number / Title: MF9000 / Heaters and ECU's	Item Number / Title [DODIC]: MF9303 / IMPROVED ENVIRONMENTAL CONTROL UNITS

ID Code (A=Service Ready, B=Not Service Ready) :	MDAP/MAIS Code:
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Resource Summary	Prior Years	FY 2014	FY 2015	FY 2016 Base	FY 2016 OCO	FY 2016 Total
Procurement Quantity (<i>Units in Each</i>)	331	-	592	1,624	-	1,624
Gross/Weapon System Cost (<i>\$ in Millions</i>)	94.125	6.269	9.235	18.876	-	18.876
Less PY Advance Procurement (<i>\$ in Millions</i>)	-	-	-	-	-	-
Net Procurement (P1) (<i>\$ in Millions</i>)	94.125	6.269	9.235	18.876	-	18.876
Plus CY Advance Procurement (<i>\$ in Millions</i>)	-	-	-	-	-	-
Total Obligation Authority (<i>\$ in Millions</i>)	94.125	6.269	9.235	18.876	-	18.876

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

Initial Spares (<i>\$ in Millions</i>)	-	-	-	-	-	-
Gross/Weapon System Unit Cost (<i>\$ in Thousands</i>)	284.366	-	15.600	11.623	-	11.623

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

Cost Elements	Prior Years			FY 2014			FY 2015			FY 2016 Base			FY 2016 OCO			FY 2016 Total		
	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)
Flyaway Cost																		
Recurring Cost																		
1. Engineering Support	-	-	17.373	-	-	3.122	-	-	0.782	-	-	0.799	-	-	-	-	-	0.799
2. Engineering Change Orders	-	-	2.164	-	-	0.057	-	-	0.060	-	-	0.061	-	-	-	-	-	0.061
3. Testing	-	-	2.100	-	-	0.050	-	-	0.200	-	-	0.061	-	-	-	-	-	0.061
4. System Fielding Support	-	-	1.150	-	-	-	-	-	0.376	-	-	0.500	-	-	-	-	-	0.500
5. System Assessment	-	-	-	-	-	0.100	-	-	0.055	-	-	0.081	-	-	-	-	-	0.081
6. Logistic Support	-	-	20.322	-	-	2.500	-	-	6.623	-	-	0.706	-	-	-	-	-	0.706
7. Data	-	-	0.900	-	-	-	-	-	0.598	-	-	0.051	-	-	-	-	-	0.051
8. Program Management Support	-	-	19.391	-	-	0.440	-	-	0.887	-	-	1.016	-	-	-	-	-	1.016
9,000 BTU/H ECU ^(†)	-	-	-	-	-	-	8.916	364	3.245	8.917	594	5.297	-	-	-	8.917	594	5.297
18,000 BTU/H ECU (208V 3PH/50/60Hz) ^(†)	-	-	-	-	-	-	9.656	76	0.734	9.657	584	5.640	-	-	-	9.657	584	5.640
18,000 BTU/H ECU (230V 1PH/50/60Hz) ^(†)	-	-	-	-	-	-	9.386	76	0.713	9.389	300	2.817	-	-	-	9.389	300	2.817
36,000 BTU/H ECU ^(†)	-	-	-	-	-	-	12.656	76	0.962	12.660	146	1.848	-	-	-	12.660	146	1.848

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Exhibit P-5, Cost Analysis: PB 2016 Army		Date: February 2015
Appropriation / Budget Activity / Budget Sub Activity: 2035A / 03 / 25	P-1 Line Item Number / Title: MF9000 / Heaters and ECU's	Item Number / Title [DODIC]: MF9303 / IMPROVED ENVIRONMENTAL CONTROL UNITS
ID Code (A=Service Ready, B=Not Service Ready) :		MDAP/MAIS Code:

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

Cost Elements	Prior Years			FY 2014			FY 2015			FY 2016 Base			FY 2016 OCO			FY 2016 Total		
	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)
60,000 BTU/H IECU (Full Rate)	9.720	3,161	30.725	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
<i>Subtotal: Recurring Cost</i>	-	-	94.125	-	-	6.269	-	-	9.235	-	-	18.876	-	-	-	-	-	18.876
<i>Subtotal: Flyaway Cost</i>	-	-	94.125	-	-	6.269	-	-	9.235	-	-	18.876	-	-	-	-	-	18.876
Gross/Weapon System Cost	284.366	331	94.125	-	-	6.269	15.600	592	9.235	11.623	1,624	18.876	-	-	-	11.623	1,624	18.876

Secondary Distribution		FY 2014	FY 2015	FY 2016 Base	FY 2016 OCO	FY 2016 Total
Army	Quantity	-	355	864	-	864
	Total Obligation Authority	6.269	5.207	9.964	-	9.964
ANG	Quantity	-	213	559	-	559
	Total Obligation Authority	-	3.120	6.546	-	6.546
AR	Quantity	-	24	201	-	201
	Total Obligation Authority	-	0.908	2.366	-	2.366
Total: Secondary Distribution	Quantity	-	592	1,624	-	1,624
	Total Obligation Authority	6.269	9.235	18.876	-	18.876

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

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Exhibit P-5a, Procurement History and Planning: PB 2016 Army							Date: February 2015					
Appropriation / Budget Activity / Budget Sub Activity: 2035A / 03 / 25			P-1 Line Item Number / Title: MF9000 / Heaters and ECU's				Item Number / Title [DODIC]: MF9303 / IMPROVED ENVIRONMENTAL CONTROL UNITS					

Cost Elements	O C O	FY	Contractor and Location	Method/Type or Funding Vehicle	Location of PCO	Award Date	Date of First Delivery	Qty <i>(Each)</i>	Unit Cost <i>(\$ K)</i>	Specs Avail Now?	Date Revision Available	RFP Issue Date
9,000 BTU/H ECU ^(†)		2015	Mainstream Engr / Rockledge, FL	C / FP	CECOM	Jul 2015	Jul 2016	364	8.916	N		
9,000 BTU/H ECU ^(†)		2016	Mainstream Engr / Rockledge, FL	C / FP	CECOM	Jan 2016	Jan 2017	594	8.917	N		
18,000 BTU/H ECU (208V 3PH/50/60Hz) ^(†)		2015	Mainstream Engr / Rockledge, FL	C / FP	CECOM	Jul 2015	Jul 2016	76	9.656	N		
18,000 BTU/H ECU (208V 3PH/50/60Hz) ^(†)		2016	Mainstream Engr / Rockledge, FL	C / FP	CECOM	Jan 2016	Jan 2017	584	9.657	N		
18,000 BTU/H ECU (230V 1PH/50/60Hz) ^(†)		2015	Mainstream Engr / Rockledge, FL	C / FP	CECOM	Jul 2015	Jul 2016	76	9.386	N		
18,000 BTU/H ECU (230V 1PH/50/60Hz) ^(†)		2016	Mainstream Engr / Rockledge, FL	C / FP	CECOM	Jan 2016	Jan 2017	300	9.389	N		
36,000 BTU/H ECU ^(†)		2015	Mainstream Engr / Rockledge, FL	C / FP	CECOM	Jul 2015	Jul 2016	76	12.656	N		
36,000 BTU/H ECU ^(†)		2016	Mainstream Engr / Rockledge, FL	C / FP	CECOM	Jan 2016	Jan 2017	146	12.660	N		

^(†) indicates the presence of a P-21

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Exhibit P-21, Production Schedule: PB 2016 Army		Date: February 2015
Appropriation / Budget Activity / Budget Sub Activity: 2035A / 03 / 25		P-1 Line Item Number / Title: MF9000 / Heaters and ECU's
Item Number / Title [DODIC]: MF9303 / IMPROVED ENVIRONMENTAL CONTROL UNITS		

MFR Ref #	MFR Name - Location	Production Rates (Each / Month)			Procurement Leadtime (Months)							
		MSR For 2016	1-8-5 For 2016	MAX For 2016	Initial				Reorder			
					ALT Prior to Oct 1	ALT After Oct 1	Mfg PLT	Total After Oct 1	ALT Prior to Oct 1	ALT After Oct 1	Mfg PLT	Total After Oct 1
1	Mainstream Engr - Rockledge, FL	600	1,000	3,000	6	10	12	22	6	4	12	16
2	Mainstream Engr - Rockledge, FL	600	1,000	3,000	6	10	12	22	6	4	12	16
3	Mainstream Engr - Rockledge, FL	600	1,000	3,000	6	10	12	22	6	4	12	16
4	Mainstream Engr - Rockledge, FL	600	1,000	3,000	6	10	12	22	6	4	12	16

Remarks:

All production rates shown on a yearly basis

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

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

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

Appropriation / Budget Activity / Budget Sub Activity: 2035A: Other Procurement, Army / BA 03: Other Support Equipment / BSA 25: Combat Service Support Equipment	P-1 Line Item Number / Title: M82700 / LAUNDRIES, SHOWERS AND LATRINES
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ID Code (A=Service Ready, B=Not Service Ready) :	Program Elements for Code B Items:						Other Related Program Elements:					
Resource Summary	Prior Years	FY 2014	FY 2015	FY 2016 Base	FY 2016 OCO	FY 2016 Total	FY 2017	FY 2018	FY 2019	FY 2020	To Complete	Total
Procurement Quantity (Units in Each)	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Cost (\$ in Millions)	10.435	0.200	-	-	-	-	-	-	-	-	-	10.635
Less PY Advance Procurement (\$ in Millions)	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P1) (\$ in Millions)	10.435	0.200	-	-	-	-	-	-	-	-	-	10.635
Plus CY Advance Procurement (\$ in Millions)	-	-	-	-	-	-	-	-	-	-	-	-
Total Obligation Authority (\$ in Millions)	10.435	0.200	-	-	-	-	-	-	-	-	-	10.635

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

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

Description:

Provides unit and field service equipment to enhance soldier efficiency, effectiveness, and sustainability. Items include laundries, latrines, showers and clothing repair which directly affect combat readiness and sustain combat power by promoting wellness and preventing disease. These efforts are in accordance with the standards determined by the Surgeon General. This program procures and fields a critical capability that supports the Army's transformation and maintains readiness through fielding and integrating new equipment. Products produced reduce sustainment requirements, related Combat Support/Combat Service Support (CS/CSS) lift demands, the overall combat zone footprint, and logistical support costs.

The Laundry Advanced System (LADS) is the Army's water-based, mobile field laundry system, with one LADS replacing up to four of the current M85 laundries. It consists of laundry-processing and water recycling equipment mounted on an International Standards Organization (ISO) certified frame, a 30 kilowatt (KW) Tactical Quiet Generator, all mounted on a 40 foot M871 trailer and towed by a 5-ton tractor. Each LADS will wash laundry for 500 soldiers per day using a dry-to-dry process (dirty clothes are placed in the drum and removed clean and dry at the end of the one-hour cycle). The LADS will recycle approximately 97 percent of the water used in the laundry process, reducing water consumption to under 500 gallons per day compared to over 20,000 gallons for four M85s (with only 20 gallons of waste water produced). The system is run by two operators per 10-hour shift; two shifts per day result in a 75 percent manpower reduction compared to the four-M85 laundry operation. This program procures and fields a critical capability that supports the Army's transformation by maintaining readiness through fielding and integrating new equipment and by reducing sustainment requirements, related Combat Support/Combat Service Support (CS/CSS) demands on lift, combat zone footprint, and costs for logistical support.

The Battlefield 12-head Shower enhances the mission support capability of the Field Service Company as this unit provides tactical field services (shower, laundry, and clothing renovation) to soldiers in forward areas. The primary mission of the Battlefield 12-head Shower is to provide hot showers for soldiers in the field. This shower will replace the antiquated 8 and 9-head showers that are no longer supportable. The system comes complete with a shelter, water heater, pumps and ancillary equipment and has a requirement to move once every 3 days in the field. The Army Acquisition Objective (AAO) for the 12-head Shower is 247.

The Clothing Repair Shop (CRS) provides the field Service Company's capability to perform its clothing renovation mission. It consists of commercial sewing, darning, button and heat sealing machines and associated items and work stations transported on a M105 trailer. Current equipment is no longer supportable and there is a severe shortage of assets.

The Army Acquisition Objective (AAO) for the CRS is 200.

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

Appropriation / Budget Activity / Budget Sub Activity: 2035A: Other Procurement, Army / BA 03: Other Support Equipment / BSA 25: Combat Service Support Equipment	P-1 Line Item Number / Title: M82700 / LAUNDRIES, SHOWERS AND LATRINES
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ID Code (A=Service Ready, B=Not Service Ready) :	Program Elements for Code B Items:	Other Related Program Elements:
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Secondary Distribution		FY 2014	FY 2015	FY 2016 Base	FY 2016 OCO	FY 2016 Total	FY 2017	FY 2018	FY 2019	FY 2020
Army	Quantity	-	-	-	-	-	-	-	-	-
	Total Obligation Authority	0.200	-	-	-	-	-	-	-	-
Total: Secondary Distribution	Quantity	-	-	-	-	-	-	-	-	-
	Total Obligation Authority	0.200	-	-	-	-	-	-	-	-

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

Appropriation / Budget Activity / Budget Sub Activity: 2035A: Other Procurement, Army / BA 03: Other Support Equipment / BSA 25: Combat Service Support Equipment	P-1 Line Item Number / Title: M82700 / LAUNDRIES, SHOWERS AND LATRINES
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ID Code (A=Service Ready, B=Not Service Ready) :			Program Elements for Code B Items:			Other Related Program Elements:		
Exhibits Schedule			Prior Years	FY 2014	FY 2015	FY 2016 Base	FY 2016 OCO	FY 2016 Total
Title*	Exhibits	ID CD	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)
M82708 / Containerized Batch Laundry	P-40a		- / 10.435	- / 0.200	- / -	- / -	- / -	- / -
Total Gross/Weapon System Cost			- / 10.435	- / 0.200	- / -	- / -	- / -	- / -

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

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

Justification:
 There are no FY16 Base procurement dollars for Laundries, Showers and Latrines.

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

Appropriation / Budget Activity / Budget Sub Activity: 2035A / 03 / 25	P-1 Line Item Number / Title: M82700 / LAUNDRIES, SHOWERS AND LATRINES	Aggregated Items Title: Various
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Note: Subtotals or Totals in this Exhibit P-40a may not be exact or add, due to rounding.

Item Number / Title [DODIC]	ID CD	MDAP/MAIS Code	Prior Years			FY 2014			FY 2015			FY 2016 Base			FY 2016 OCO			FY 2016 Total		
			Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)
Containerized Batch Laundry																				
M82708 / Containerized Batch Laundry			-	-	10.435	-	-	0.200	-	-	-	-	-	-	-	-	-	-	-	-
<i>Secondary Distribution</i>																				
Army			-	-	-	-	-	0.200	-	-	-	-	-	-	-	-	-	-	-	-
<i>Subtotal: Containerized Batch Laundry</i>			-	-	10.435	-	-	0.200	-	-	-	-	-	-	-	-	-	-	-	-
Total			-	-	10.435	-	-	0.200	-	-	-	-	-	-	-	-	-	-	-	-

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

Appropriation / Budget Activity / Budget Sub Activity: 2035A: Other Procurement, Army / BA 03: Other Support Equipment / BSA 25: Combat Service Support Equipment	P-1 Line Item Number / Title: MA6800 / Soldier Enhancement
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ID Code (A=Service Ready, B=Not Service Ready) : A		Program Elements for Code B Items:						Other Related Program Elements:				
Resource Summary	Prior Years	FY 2014	FY 2015	FY 2016 Base	FY 2016 OCO	FY 2016 Total	FY 2017	FY 2018	FY 2019	FY 2020	To Complete	Total
Procurement Quantity (<i>Units in Each</i>)	595	-	-	-	-	-	-	-	-	-	Continuing	Continuing
Gross/Weapon System Cost (<i>\$ in Millions</i>)	255.269	-	1.677	2.287	-	2.287	2.291	2.461	2.463	2.523	Continuing	Continuing
Less PY Advance Procurement (<i>\$ in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P1) (<i>\$ in Millions</i>)	255.269	-	1.677	2.287	-	2.287	2.291	2.461	2.463	2.523	Continuing	Continuing
Plus CY Advance Procurement (<i>\$ in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Total Obligation Authority (<i>\$ in Millions</i>)	255.269	-	1.677	2.287	-	2.287	2.291	2.461	2.463	2.523	Continuing	Continuing
<i>(The following Resource Summary rows are for informational purposes only. The corresponding budget requests are documented elsewhere.)</i>												
Initial Spares (<i>\$ in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Flyaway Unit Cost (<i>\$ in Thousands</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Unit Cost (<i>\$ in Thousands</i>)	429.024	-	-	-	-	-	-	-	-	-	Continuing	Continuing

Description:

The Soldier Enhancement Program (SEP) was established by the National Defense Authorization Act for Fiscal Years 1990 and 1991. The purpose of the SEP is to evaluate readily available Commercial Off the Shelf (COTS), Government Off the Shelf (GOTS) and Non-Developmental Items (NDI) equipment to increase the combat effectiveness of the Soldier. The Soldier Enhancement Program OPA3 provides the means of procuring individual equipment designed to increase Soldiers' operational effectiveness.

Secondary Distribution		FY 2014	FY 2015	FY 2016 Base	FY 2016 OCO	FY 2016 Total	FY 2017	FY 2018	FY 2019	FY 2020
Army	Quantity	-	-	-	-	-	-	-	-	-
	Total Obligation Authority	-	1.677	2.287	-	2.287	2.291	2.461	2.463	2.523
Total: Secondary Distribution	Quantity	-	-	-	-	-	-	-	-	-
	Total Obligation Authority	-	1.677	2.287	-	2.287	2.291	2.461	2.463	2.523

Justification:

FY2016 base procurement dollars in the amount of \$2.287 million supports procurement (COTS/GOTS/NDI) of approved hardware for Soldier evaluation. Items in this category include COTS/GOTS/NDI optics and accessories, night vision devices, and individual Soldier equipment.

"In accordance with Section 1815 of the FY 2008 National Defense Authorization Act (P.L. 110-181), this item is necessary for the 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."

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Exhibit P-40, Budget Line Item Justification: PB 2016 Army		Date: February 2015
Appropriation / Budget Activity / Budget Sub Activity: 2035A: Other Procurement, Army / BA 03: Other Support Equipment / BSA 25: Combat Service Support Equipment		P-1 Line Item Number / Title: MA6800 / Soldier Enhancement
ID Code (A=Service Ready, B=Not Service Ready) : A	Program Elements for Code B Items:	Other Related Program Elements:

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

Appropriation / Budget Activity / Budget Sub Activity: 2035A: Other Procurement, Army / BA 03: Other Support Equipment / BSA 25: Combat Service Support Equipment	P-1 Line Item Number / Title: G01101 / Personnel Recovery Support System (PRSS)
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ID Code (A=Service Ready, B=Not Service Ready) :		Program Elements for Code B Items:					Other Related Program Elements:					
Resource Summary	Prior Years	FY 2014	FY 2015	FY 2016 Base	FY 2016 OCO	FY 2016 Total	FY 2017	FY 2018	FY 2019	FY 2020	To Complete	Total
Procurement Quantity <i>(Units in Each)</i>	25,790	21,378	3,750	2,250	-	2,250	13,741	10,864	724	1,800	Continuing	Continuing
Gross/Weapon System Cost <i>(\$ in Millions)</i>	34.444	23.632	10.728	7.733	-	7.733	15.611	13.631	6.615	7.526	Continuing	Continuing
Less PY Advance Procurement <i>(\$ in Millions)</i>	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P1) <i>(\$ in Millions)</i>	34.444	23.632	10.728	7.733	-	7.733	15.611	13.631	6.615	7.526	Continuing	Continuing
Plus CY Advance Procurement <i>(\$ in Millions)</i>	-	-	-	-	-	-	-	-	-	-	-	-
Total Obligation Authority <i>(\$ in Millions)</i>	34.444	23.632	10.728	7.733	-	7.733	15.611	13.631	6.615	7.526	Continuing	Continuing
<i>(The following Resource Summary rows are for informational purposes only. The corresponding budget requests are documented elsewhere.)</i>												
Initial Spares <i>(\$ in Millions)</i>	-	-	-	-	-	-	-	-	-	-	-	-
Flyaway Unit Cost <i>(\$ in Thousands)</i>	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Unit Cost <i>(\$ in Thousands)</i>	1.336	1.105	2.861	3.437	-	3.437	1.136	1.255	9.137	4.181	Continuing	Continuing

Description:

The Personnel Recovery Support System (PRSS) consists of items including Secure Personal Locator Beacons and Personnel Recovery equipment items to report and locate isolated, missing, detained, and captured Soldiers.

Secondary Distribution		FY 2014	FY 2015	FY 2016 Base	FY 2016 OCO	FY 2016 Total	FY 2017	FY 2018	FY 2019	FY 2020
Army	Quantity	21,378	3,750	2,250	-	2,250	13,741	10,864	724	1,800
	Total Obligation Authority	23.632	10.728	7.733	-	7.733	15.611	13.631	6.615	7.526
Total:	Quantity	21,378	3,750	2,250	-	2,250	13,741	10,864	724	1,800
Secondary Distribution	Total Obligation Authority	23.632	10.728	7.733	-	7.733	15.611	13.631	6.615	7.526

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

Appropriation / Budget Activity / Budget Sub Activity: 2035A: Other Procurement, Army / BA 03: Other Support Equipment / BSA 25: Combat Service Support Equipment	P-1 Line Item Number / Title: G01101 / Personnel Recovery Support System (PRSS)
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ID Code (A=Service Ready, B=Not Service Ready) :			Program Elements for Code B Items:			Other Related Program Elements:		
Exhibits Schedule			Prior Years	FY 2014	FY 2015	FY 2016 Base	FY 2016 OCO	FY 2016 Total
Title*	Exhibits	ID CD	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)
G01101 / Personnel Recovery Support System (PRSS)	P-5, P-5a, P-21		25,790 / 34,444	21,378 / 23,632	3,750 / 10,728	2,250 / 7,733	- / -	2,250 / 7,733
Total Gross/Weapon System Cost			25,790 / 34,444	21,378 / 23,632	3,750 / 10,728	2,250 / 7,733	- / -	2,250 / 7,733

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

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

Justification:
 FY 16 Base procurement dollars in the amount of \$7.733 million supports procurement of Personnel Recovery Support System (PRSS) products that support the Army's capability to report and locate isolated, missing, detained, and captured Soldiers. Funding procures equipment and materiel to support a balanced investment strategy for the Army's approved force structure.

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.

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Exhibit P-5, Cost Analysis: PB 2016 Army		Date: February 2015
Appropriation / Budget Activity / Budget Sub Activity: 2035A / 03 / 25		P-1 Line Item Number / Title: G01101 / Personnel Recovery Support System (PRSS)
		Item Number / Title [DODIC]: G01101 / Personnel Recovery Support System (PRSS)

ID Code (A=Service Ready, B=Not Service Ready) :	MDAP/MAIS Code:
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Resource Summary	Prior Years	FY 2014	FY 2015	FY 2016 Base	FY 2016 OCO	FY 2016 Total
Procurement Quantity <i>(Units in Each)</i>	25,790	21,378	3,750	2,250	-	2,250
Gross/Weapon System Cost <i>(\$ in Millions)</i>	34.444	23.632	10.728	7.733	-	7.733
Less PY Advance Procurement <i>(\$ in Millions)</i>	-	-	-	-	-	-
Net Procurement (P1) <i>(\$ in Millions)</i>	34.444	23.632	10.728	7.733	-	7.733
Plus CY Advance Procurement <i>(\$ in Millions)</i>	-	-	-	-	-	-
Total Obligation Authority <i>(\$ in Millions)</i>	34.444	23.632	10.728	7.733	-	7.733

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

Initial Spares <i>(\$ in Millions)</i>	-	-	-	-	-	-
Gross/Weapon System Unit Cost <i>(\$ in Thousands)</i>	1.336	1.105	2.861	3.437	-	3.437

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

Cost Elements	Prior Years			FY 2014			FY 2015			FY 2016 Base			FY 2016 OCO			FY 2016 Total		
	Unit Cost <i>(\$ K)</i>	Qty <i>(Each)</i>	Total Cost <i>(\$ M)</i>	Unit Cost <i>(\$ K)</i>	Qty <i>(Each)</i>	Total Cost <i>(\$ M)</i>	Unit Cost <i>(\$ K)</i>	Qty <i>(Each)</i>	Total Cost <i>(\$ M)</i>	Unit Cost <i>(\$ K)</i>	Qty <i>(Each)</i>	Total Cost <i>(\$ M)</i>	Unit Cost <i>(\$ K)</i>	Qty <i>(Each)</i>	Total Cost <i>(\$ M)</i>	Unit Cost <i>(\$ K)</i>	Qty <i>(Each)</i>	Total Cost <i>(\$ M)</i>
Flyaway Cost																		
Recurring Cost																		
Personnel Recovery Equipment Items ^(†)	0.717	25,790	18.480	0.762	7,500	5.715	0.804	3,750	3.015	0.825	2,000	1.650	-	-	-	0.825	2,000	1.650
Secure Personal Locator Beacons ^(†)	-	-	-	-	-	-	-	-	-	1.108	250	0.277	-	-	-	1.108	250	0.277
MISC - Secure Personal Locator Beacons ^(†)	-	-	-	0.680	13,878	9.437	-	-	-	-	-	-	-	-	-	-	-	-
Initial Spares & Repair Parts	-	-	1.964	-	-	0.753	-	-	-	-	-	0.632	-	-	-	-	-	0.632
Support Equipment	-	-	1.299	-	-	0.140	-	-	-	-	-	0.340	-	-	-	-	-	0.340
Systems Test and Evaluation	-	-	0.066	-	-	-	-	-	0.195	-	-	-	-	-	-	-	-	-
Nonrecurring Engineering	-	-	1.042	-	-	0.325	-	-	3.824	-	-	0.605	-	-	-	-	-	0.605
Systems Integration and Engineering	-	-	1.417	-	-	0.874	-	-	1.185	-	-	0.672	-	-	-	-	-	0.672
Project Management Admin	-	-	1.136	-	-	1.413	-	-	0.677	-	-	0.740	-	-	-	-	-	0.740
Fielding	-	-	0.610	-	-	0.355	-	-	0.420	-	-	0.341	-	-	-	-	-	0.341
Contract Logistics/ Subject Expert Spt	-	-	8.420	-	-	4.620	-	-	1.412	-	-	2.476	-	-	-	-	-	2.476
Subtotal: Recurring Cost	-	-	34.445	-	-	23.632	-	-	10.728	-	-	7.733	-	-	-	-	-	7.733

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Exhibit P-5, Cost Analysis: PB 2016 Army		Date: February 2015
Appropriation / Budget Activity / Budget Sub Activity: 2035A / 03 / 25	P-1 Line Item Number / Title: G01101 / Personnel Recovery Support System (PRSS)	Item Number / Title [DODIC]: G01101 / Personnel Recovery Support System (PRSS)
ID Code (A=Service Ready, B=Not Service Ready) :		MDAP/MAIS Code:

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

Cost Elements	Prior Years			FY 2014			FY 2015			FY 2016 Base			FY 2016 OCO			FY 2016 Total		
	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)
<i>Subtotal: Flyaway Cost</i>	-	-	34.445	-	-	23.632	-	-	10.728	-	-	7.733	-	-	-	-	-	7.733
Gross/Weapon System Cost	1.336	25,790	34.444	1.105	21,378	23.632	2.861	3,750	10.728	3.437	2,250	7.733	-	-	-	3.437	2,250	7.733

Secondary Distribution		FY 2014	FY 2015	FY 2016 Base	FY 2016 OCO	FY 2016 Total
Army	Quantity	21,378	3,750	2,250	-	2,250
	Total Obligation Authority	23.632	10.728	7.733	-	7.733
Total:	Quantity	21,378	3,750	2,250	-	2,250
Secondary Distribution	Total Obligation Authority	23.632	10.728	7.733	-	7.733

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

UNCLASSIFIED

Exhibit P-5a, Procurement History and Planning: PB 2016 Army								Date: February 2015				
Appropriation / Budget Activity / Budget Sub Activity: 2035A / 03 / 25			P-1 Line Item Number / Title: G01101 / Personnel Recovery Support System (PRSS)					Item Number / Title [DODIC]: G01101 / Personnel Recovery Support System (PRSS)				
Cost Elements	O C O	FY	Contractor and Location	Method/Type or Funding Vehicle	Location of PCO	Award Date	Date of First Delivery	Qty (Each)	Unit Cost (\$ K)	Specs Avail Now?	Date Revision Available	RFP Issue Date
Personnel Recovery Equipment Items ^(t)		2014	Various Contractors / Various Locations	C / FP	Aberdeen, MD	Jan 2014	Mar 2014	7,500	0.762	N		
Personnel Recovery Equipment Items ^(t)		2015	Various Contractors / Various Locations	C / FP	Aberdeen, MD	Jan 2015	Mar 2015	3,750	0.804	N		
Personnel Recovery Equipment Items ^(t)		2016	Various Contractors / Various Locations	C / FP	Aberdeen, MD	Nov 2015	Jan 2016	2,000	0.825	N		
Secure Personal Locator Beacons ^(t)		2016	TBD / TBD	C / FFP	Aberdeen, MD	Jun 2016	Sep 2016	250	1.108	N		
MISC - Secure Personal Locator Beacons ^(t)		2014	TBD / TBD	C / FFP	Aberdeen, MD	Sep 2016	Dec 2016	13,878	0.680	N		

^(t) indicates the presence of a P-21

Remarks:

The FY16 increase to the P5 Cost Element entitled "Contract Logistics/Subject Expert Spt" is due to the addition of the communications infrastructure recurring support costs for the Secure Personal Locator Beacons.

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Exhibit P-21, Production Schedule: PB 2016 Army		Date: February 2015
Appropriation / Budget Activity / Budget Sub Activity: 2035A / 03 / 25		P-1 Line Item Number / Title: G01101 / Personnel Recovery Support System (PRSS)
		Item Number / Title [DODIC]: G01101 / Personnel Recovery Support System (PRSS)

MFR Ref #	MFR Name - Location	Production Rates (Each / Month)			Procurement Leadtime (Months)							
		MSR For 2016	1-8-5 For 2016	MAX For 2016	Initial				Reorder			
					ALT Prior to Oct 1	ALT After Oct 1	Mfg PLT	Total After Oct 1	ALT Prior to Oct 1	ALT After Oct 1	Mfg PLT	Total After Oct 1
1	Various Contractors - Various Locations	167	3,000	4,000	-	6	2	8	-	5	2	7
2	TBD - TBD	100	2,000	3,000	-	11	3	14	-	-	-	-
3	TBD - TBD	100	2,000	3,000	-	11	3	14	-	-	-	-

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

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

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

Appropriation / Budget Activity / Budget Sub Activity:
2035A: Other Procurement, Army / BA 03: Other Support Equipment / BSA 25:
Combat Service Support Equipment **P-1 Line Item Number / Title:**
R80501 / Ground Soldier System

ID Code (A=Service Ready, B=Not Service Ready) :		Program Elements for Code B Items:					Other Related Program Elements:					
Resource Summary	Prior Years	FY 2014	FY 2015	FY 2016 Base	FY 2016 OCO	FY 2016 Total	FY 2017	FY 2018	FY 2019	FY 2020	To Complete	Total
Procurement Quantity (Units in Each)	9,066	3,483	4,878	3,016	-	3,016	4,154	4,016	4,718	4,650	Continuing	Continuing
Gross/Weapon System Cost (\$ in Millions)	119.558	54.428	71.761	49.798	-	49.798	52.873	53.506	59.594	60.884	Continuing	Continuing
Less PY Advance Procurement (\$ in Millions)	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P1) (\$ in Millions)	119.558	54.428	71.761	49.798	-	49.798	52.873	53.506	59.594	60.884	Continuing	Continuing
Plus CY Advance Procurement (\$ in Millions)	-	-	-	-	-	-	-	-	-	-	-	-
Total Obligation Authority (\$ in Millions)	119.558	54.428	71.761	49.798	-	49.798	52.873	53.506	59.594	60.884	Continuing	Continuing
<i>(The following Resource Summary rows are for informational purposes only. The corresponding budget requests are documented elsewhere.)</i>												
Initial Spares (\$ in Millions)	-	-	-	-	-	-	-	-	-	-	-	-
Flyaway Unit Cost (\$ in Thousands)	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Unit Cost (\$ in Thousands)	13.188	15.627	14.711	16.511	-	16.511	12.728	13.323	12.631	13.093	Continuing	Continuing

Description:

The Nett Warrior (NW) Program (named in honor of Medal of Honor recipient Colonel Robert C. Nett and also known as the Ground Soldier System (GSS) program) leverages commercial smart devices and secure Army tactical radios to provide the dismounted leader an integrated mission command and situational awareness system for use during combat operations. The NW system provides operators, real-time information on friendly positions, information about enemy activity and movement, navigational data and map imagery, and other mission related graphics which effectively puts the power of the entire Army tactical network in the hands of the dismounted leader. The NW system also provides the same integrated mission command capability tied to Joint Capability Release (JCR) and Joint Battle Command Platform (JBC-P) to tactical vehicle mounted leaders so that upon dismount, they still have access to the common operating picture (COP) and full situational awareness. This capability provides unparalleled situational awareness and understanding to the dismounted leader allowing for faster, more accurate decisions and reduced fratricide in the tactical fight. NW also procures supporting power systems aimed at significantly reducing power requirements in the expeditionary environment.

Secondary Distribution		FY 2014	FY 2015	FY 2016 Base	FY 2016 OCO	FY 2016 Total	FY 2017	FY 2018	FY 2019	FY 2020
Army	Quantity	3,483	4,878	3,016	-	3,016	4,154	4,016	4,718	4,650
	Total Obligation Authority	54.428	71.761	49.798	-	49.798	52.873	53.506	59.594	60.884
Total: Secondary Distribution	Quantity	3,483	4,878	3,016	-	3,016	4,154	4,016	4,718	4,650
	Total Obligation Authority	54.428	71.761	49.798	-	49.798	52.873	53.506	59.594	60.884

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

Appropriation / Budget Activity / Budget Sub Activity: 2035A: Other Procurement, Army / BA 03: Other Support Equipment / BSA 25: Combat Service Support Equipment	P-1 Line Item Number / Title: R80501 / Ground Soldier System
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ID Code (A=Service Ready, B=Not Service Ready) :			Program Elements for Code B Items:			Other Related Program Elements:		
Exhibits Schedule			Prior Years	FY 2014	FY 2015	FY 2016 Base	FY 2016 OCO	FY 2016 Total
Title*	Exhibits	ID CD	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)
R80501 / Ground Soldier System	P-5, P-5a		9,066 / 119.558	3,483 / 54.428	4,878 / 71.761	3,016 / 49.798	- / -	3,016 / 49.798
Total Gross/Weapon System Cost			9,066 / 119.558	3,483 / 54.428	4,878 / 71.761	3,016 / 49.798	- / -	3,016 / 49.798

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

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

Justification:

FY16 base procurement dollars in the amount of \$49.798 million procures NW Soldier worn hardware, NW support equipment, NW system fielding, sustainment of New Equipment Training (NET) and support services for fielding to Army Brigade Combat Teams in Capability Set fielding. NW equipped units directly enhance the Army's combat overmatch capability in two Army mission essential tasks: 1) NW enhances small unit combat fighting capabilities by providing unparalleled situational awareness and mission command to dismounted combat leaders through an integrated smart device and supporting equipment such as battery chargers and power managers. 2) NW enables commanders to combine the elements of combat power (mission command, movement and maneuver, leadership, intelligence, fires, information, sustainment, and protection) to engage the enemy and swiftly end tactical engagements and reduce possible fratricide. NW brings the dismounted tactical combat leaders into the Army Network and the acquisition program is aligned with Army Capability Sets providing a balanced investment strategy. Due to the commercial nature of the Nett Warrior system hardware (e.g. smart phones, smart phone cases, screen protectors, memory cards and other associated accessories), request approval to use advanced procurement authority as a means to address diminishing manufacturing (obsolescence parts) by consolidating the NW commercial-based items requirements across multiple years to execute a buyout of future years beyond FY14 as needed.

"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."

Comments: P21 form is not provided, as program procures commercial off the shelf (COTS) products.

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Exhibit P-5, Cost Analysis: PB 2016 Army		Date: February 2015
Appropriation / Budget Activity / Budget Sub Activity: 2035A / 03 / 25	P-1 Line Item Number / Title: R80501 / Ground Soldier System	Item Number / Title [DODIC]: R80501 / Ground Soldier System

ID Code (A=Service Ready, B=Not Service Ready) :	MDAP/MAIS Code:
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Resource Summary	Prior Years	FY 2014	FY 2015	FY 2016 Base	FY 2016 OCO	FY 2016 Total
Procurement Quantity (<i>Units in Each</i>)	9,066	3,483	4,878	3,016	-	3,016
Gross/Weapon System Cost (<i>\$ in Millions</i>)	119.558	54.428	71.761	49.798	-	49.798
Less PY Advance Procurement (<i>\$ in Millions</i>)	-	-	-	-	-	-
Net Procurement (P1) (<i>\$ in Millions</i>)	119.558	54.428	71.761	49.798	-	49.798
Plus CY Advance Procurement (<i>\$ in Millions</i>)	-	-	-	-	-	-
Total Obligation Authority (<i>\$ in Millions</i>)	119.558	54.428	71.761	49.798	-	49.798

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

Initial Spares (<i>\$ in Millions</i>)	-	-	-	-	-	-
Gross/Weapon System Unit Cost (<i>\$ in Thousands</i>)	13.188	15.627	14.711	16.511	-	16.511

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

Cost Elements	Prior Years			FY 2014			FY 2015			FY 2016 Base			FY 2016 OCO			FY 2016 Total		
	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)
Flyaway Cost																		
Recurring Cost																		
NW Soldier Worn Hardware (COMPO 1) ^(f)	8.506	9,066	77.111	2.827	3,483	9.847	2.777	4,878	13.547	2.686	3,016	8.100	-	-	-	2.686	3,016	8.100
NW Support Equipment (COMPO 1)	-	-	12.484	-	-	14.953	-	-	33.000	-	-	16.200	-	-	-	-	-	16.200
NW Sys Fielding, Sustain & Sup (COMPO 1)	-	-	10.357	-	-	25.200	-	-	24.579	-	-	25.497	-	-	-	-	-	25.497
Dismounted C2/SA Dir Req (COMPO 1)	3.564	5,500	19.600	-	-	4.428	-	-	0.635	-	-	-	-	-	-	-	-	-
<i>Subtotal: Recurring Cost</i>	-	-	119.558	-	-	54.427	-	-	71.760	-	-	49.798	-	-	-	-	-	49.798
<i>Subtotal: Flyaway Cost</i>	-	-	119.558	-	-	54.427	-	-	71.760	-	-	49.798	-	-	-	-	-	49.798
Gross/Weapon System Cost	13.188	9,066	119.558	15.627	3,483	54.428	14.711	4,878	71.761	16.511	3,016	49.798	-	-	-	16.511	3,016	49.798

Secondary Distribution		FY 2014	FY 2015	FY 2016 Base	FY 2016 OCO	FY 2016 Total
Army	Quantity	3,483	4,878	3,016	-	3,016
	Total Obligation Authority	54.428	71.761	49.798	-	49.798
Total:	Quantity	3,483	4,878	3,016	-	3,016

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Exhibit P-5, Cost Analysis: PB 2016 Army	Date: February 2015
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Appropriation / Budget Activity / Budget Sub Activity: 2035A / 03 / 25	P-1 Line Item Number / Title: R80501 / Ground Soldier System	Item Number / Title [DODIC]: R80501 / Ground Soldier System
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ID Code (A=Service Ready, B=Not Service Ready) :	MDAP/MAIS Code:
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Secondary Distribution		FY 2014	FY 2015	FY 2016 Base	FY 2016 OCO	FY 2016 Total
Secondary Distribution	Total Obligation Authority	54.428	71.761	49.798	-	49.798

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

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

Appropriation / Budget Activity / Budget Sub Activity: 2035A / 03 / 25	P-1 Line Item Number / Title: R80501 / Ground Soldier System	Item Number / Title [DODIC]: R80501 / Ground Soldier System
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Cost Elements	O C O	FY	Contractor and Location	Method/Type or Funding Vehicle	Location of PCO	Award Date	Date of First Delivery	Qty <i>(Each)</i>	Unit Cost <i>(\$ K)</i>	Specs Avail Now?	Date Revision Available	RFP Issue Date
NW Soldier Worn Hardware (COMPO 1)		2014	Various / Various	C / FFP	APG, MD	May 2014	Aug 2014	3,483	2.827			
NW Soldier Worn Hardware (COMPO 1)		2015	Various / Various	C / FFP	APG, MD	May 2015	Jun 2015	4,878	2.777			
NW Soldier Worn Hardware (COMPO 1)		2016	Various / Various	C / FFP	APG, MD	Mar 2016	Apr 2016	3,016	2.686			

Remarks:
P21 is not required. The NW program focuses on the integration and evaluation of commercial off the shelf (COTS) smart devices for the MC/SA system.

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

Appropriation / Budget Activity / Budget Sub Activity: 2035A: Other Procurement, Army / BA 03: Other Support Equipment / BSA 25: Combat Service Support Equipment	P-1 Line Item Number / Title: R80800 / Mobile Soldier Power
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ID Code (A=Service Ready, B=Not Service Ready) :	Program Elements for Code B Items:						Other Related Program Elements:					
Resource Summary	Prior Years	FY 2014	FY 2015	FY 2016 Base	FY 2016 OCO	FY 2016 Total	FY 2017	FY 2018	FY 2019	FY 2020	To Complete	Total
Procurement Quantity (Units in Each)	-	-	-	23,159	-	23,159	17,812	21,706	22,829	24,118	-	109,624
Gross/Weapon System Cost (\$ in Millions)	-	-	-	43.639	-	43.639	30.502	37.660	43.451	47.730	-	202.982
Less PY Advance Procurement (\$ in Millions)	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P1) (\$ in Millions)	-	-	-	43.639	-	43.639	30.502	37.660	43.451	47.730	-	202.982
Plus CY Advance Procurement (\$ in Millions)	-	-	-	-	-	-	-	-	-	-	-	-
Total Obligation Authority (\$ in Millions)	-	-	-	43.639	-	43.639	30.502	37.660	43.451	47.730	-	202.982

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

Initial Spares (\$ in Millions)	-	-	-	-	-	-	-	-	-	-	-	-
Flyaway Unit Cost (\$ in Thousands)	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Unit Cost (\$ in Thousands)	-	-	-	1.884	-	1.884	1.712	1.735	1.903	1.979	-	1.852

Description:

Soldier and Small Unit Power (SUP) Systems enable dismounted Soldiers and squads to execute their missions with significantly less battery weight and enable longer missions without a daily unit re-supply of batteries. These improved renewable systems enable the warfighter to sustain themselves for extended mission duration in the most austere operating environments. An advanced, Integrated Soldier Power/Data System (ISPDS) provides the Soldier with a body-worn power/data capability that is significantly more efficient and lighter than carrying separate batteries for each device. Soldier and Small Unit Power systems address the power and energy capability gap created by the increase in mission essential, Soldier-portable power consumers, such as Situational Awareness (SA) displays, Global Positioning System (GPS) navigation, weapon sensors, precision targeting systems and portable Soldier radios. This effort began as a Congressional add for development and system improvement for early fuel cell and battery technology and has developed into a line of power sources and solutions suited for not only the individual Soldier, but for the small unit as well. These power solutions include, but are not limited to, Soldier-worn power systems, integrated power vests, power management devices and small unit generators including the platoon power generator (PPG), chargers, scavengers or harvesters; all intended for use in the most austere operating environments. Soldier-portable power systems reduce the weight and logistical burden associated with moving fuel and primary (disposable) batteries across the conventional battlefield. By using renewable energy and power scavenging technology, Soldiers and small units are able to operate independently for longer durations without being tethered to a large generator, vehicle, or supply train. This effort supports the following requirements: August 2013 Small Unit Power MDD, September 2013 Small Unit Power Capability Development Document (CDD), March 2011 Soldier Protection CDD, the December 2011 Operational Energy Initial Capabilities Document (ICD), the Army Chief of Staff's Squad: Foundation of the Decisive Force initiative, and the December 2011 Operation Enduring Freedom (OEF) Operational Energy directives.

Platoon Power Generator: (FY18-FY20)

This funding supports the procurement of a Platoon Power Generator (PPG). The SUP PPG (1kW Generator) will provide small units with sufficient portable power to sustain Modified Table of Organizational Equipment (MTOE) unit power demand in support of 48 to 72 hour missions using a common logistical fuel (JP-8). It will be used for charging batteries and powering various types of Army communications and electronics devices. It will provide sufficient power to recharge and power all Platoon equipment and fulfill residual power gaps at the Squad and Soldier level. The generator will provide Platoon power for charging batteries when away from vehicles in Stryker Brigade Combat Teams (SBCT), Armor Brigade Combat Team (ABCT) and as a power source for Infantry Brigade Combat Teams (IBCT) in austere environments. FY18 funds allow for the award and management of a procurement contract. This funding will allow for procurement of the AAO of this PPG system.

By reducing Soldier's load and energy resupply, SUP contributes to the reduction of logistical burden associated with transporting/supplying fuel in the battlefield and gives small units autonomy to operate on extended duration missions. SUP will employ commercial-off-the-shelf (COTS) solution(s), government-off-the-shelf (GOTS) and developmental items

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Exhibit P-40, Budget Line Item Justification: PB 2016 Army		Date: February 2015
Appropriation / Budget Activity / Budget Sub Activity: 2035A: Other Procurement, Army / BA 03: Other Support Equipment / BSA 25: Combat Service Support Equipment		P-1 Line Item Number / Title: R80800 / Mobile Soldier Power
ID Code (A=Service Ready, B=Not Service Ready) :	Program Elements for Code B Items:	Other Related Program Elements:

Secondary Distribution		FY 2014	FY 2015	FY 2016 Base	FY 2016 OCO	FY 2016 Total	FY 2017	FY 2018	FY 2019	FY 2020
Army	Quantity	-	-	23,159	-	23,159	17,812	21,706	22,829	24,118
	Total Obligation Authority	-	-	43.639	-	43.639	30.502	37.660	43.451	47.730
Total: Secondary Distribution	Quantity	-	-	23,159	-	23,159	17,812	21,706	22,829	24,118
	Total Obligation Authority	-	-	43.639	-	43.639	30.502	37.660	43.451	47.730

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

Appropriation / Budget Activity / Budget Sub Activity: 2035A: Other Procurement, Army / BA 03: Other Support Equipment / BSA 25: Combat Service Support Equipment	P-1 Line Item Number / Title: R80800 / Mobile Soldier Power
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ID Code (A=Service Ready, B=Not Service Ready) :			Program Elements for Code B Items:			Other Related Program Elements:		
Exhibits Schedule			Prior Years	FY 2014	FY 2015	FY 2016 Base	FY 2016 OCO	FY 2016 Total
Title*	Exhibits	ID CD	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)
R80010 / Small Unit Power Increment 1	P-5		- / -	- / -	- / -	23,159 / 43.639	- / -	23,159 / 43.639
Total Gross/Weapon System Cost			- / -	- / -	- / -	23,159 / 43.639	- / -	23,159 / 43.639

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

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

Justification:
FY 2016 base procurement dollars in the amount of \$43.639 million procures commercial-off-the-shelf (COTS) solution(s), government-off-the-shelf (GOTS) and developmental items for Small Unit Power systems.

The increased digital capability of electronic devices generates an increased demand for power. Historically, innovations in Soldier power struggle to keep pace with the growing power requirements that accompany these increased capabilities. Additionally, batteries add weight that consumes more space in the combat load. Power management is a significant mission planning consideration for the dismounted squad leader who manages combat loads. Dismounted squads operating in the most austere environments have traditionally carried enough batteries to sustain individual Soldier devices for up to 72 hours before resupply. Small Unit Power seeks to reduce the number of batteries that the Soldier must carry to reduce the combat load. The Soldier and the squad are the centerpiece of the modernization strategy, as the U.S. Army develops strategies to effectively equip and train the Soldier of Force 2025; it must reconcile how to power the growing number of Soldier-worn devices while also reducing the Soldier's battery load and decreasing the logistical demand for battery resupply. Therefore, Small Unit Power reduces the number of logistical convoys pushing supplies to the forward edge of the battlefield and significantly reducing the cost and risk involved with battery and fuel resupply missions.

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Exhibit P-5, Cost Analysis: PB 2016 Army		Date: February 2015
Appropriation / Budget Activity / Budget Sub Activity: 2035A / 03 / 25	P-1 Line Item Number / Title: R80800 / Mobile Soldier Power	Item Number / Title [DODIC]: R80010 / Small Unit Power Increment 1

ID Code (A=Service Ready, B=Not Service Ready) :	MDAP/MAIS Code:
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Resource Summary	Prior Years	FY 2014	FY 2015	FY 2016 Base	FY 2016 OCO	FY 2016 Total
Procurement Quantity <i>(Units in Each)</i>	-	-	-	23,159	-	23,159
Gross/Weapon System Cost <i>(\$ in Millions)</i>	-	-	-	43.639	-	43.639
Less PY Advance Procurement <i>(\$ in Millions)</i>	-	-	-	-	-	-
Net Procurement (P1) <i>(\$ in Millions)</i>	-	-	-	43.639	-	43.639
Plus CY Advance Procurement <i>(\$ in Millions)</i>	-	-	-	-	-	-
Total Obligation Authority <i>(\$ in Millions)</i>	-	-	-	43.639	-	43.639

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

Initial Spares <i>(\$ in Millions)</i>	-	-	-	-	-	-
Gross/Weapon System Unit Cost <i>(\$ in Thousands)</i>	-	-	-	1.884	-	1.884

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

Cost Elements	Prior Years			FY 2014			FY 2015			FY 2016 Base			FY 2016 OCO			FY 2016 Total		
	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)
Hardware Cost																		
Recurring Cost																		
Soldier and Small Unit Power	-	-	-	-	-	-	-	-	-	1.688	23,159	39.087	-	-	-	1.688	23,159	39.087
Sys Eng/Prog Mngmt	-	-	-	-	-	-	-	-	-	-	-	3.081	-	-	-	-	-	3.081
System Fielding, Sustainment & Support	-	-	-	-	-	-	-	-	-	-	-	1.466	-	-	-	-	-	1.466
<i>Subtotal: Recurring Cost</i>	-	-	-	-	-	-	-	-	-	-	-	43.639	-	-	-	-	-	43.639
<i>Subtotal: Hardware Cost</i>	-	-	-	-	-	-	-	-	-	-	-	43.639	-	-	-	-	-	43.639
Gross/Weapon System Cost	-	-	-	-	-	-	-	-	-	1.884	23,159	43.639	-	-	-	1.884	23,159	43.639

Secondary Distribution		FY 2014	FY 2015	FY 2016 Base	FY 2016 OCO	FY 2016 Total
Army	Quantity	-	-	23,159	-	23,159
	Total Obligation Authority	-	-	43.639	-	43.639
Total: Secondary Distribution	Quantity	-	-	23,159	-	23,159
	Total Obligation Authority	-	-	43.639	-	43.639

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

Appropriation / Budget Activity / Budget Sub Activity: 2035A: Other Procurement, Army / BA 03: Other Support Equipment / BSA 25: Combat Service Support Equipment	P-1 Line Item Number / Title: M80200 / Force Provider
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ID Code (A=Service Ready, B=Not Service Ready) :		Program Elements for Code B Items:					Other Related Program Elements:					
Resource Summary	Prior Years	FY 2014	FY 2015	FY 2016 Base	FY 2016 OCO	FY 2016 Total	FY 2017	FY 2018	FY 2019	FY 2020	To Complete	Total
Procurement Quantity (Units in Each)	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Cost (\$ in Millions)	979.632	51.654	51.500	-	53.800	53.800	-	-	-	-	Continuing	Continuing
Less PY Advance Procurement (\$ in Millions)	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P1) (\$ in Millions)	979.632	51.654	51.500	-	53.800	53.800	-	-	-	-	Continuing	Continuing
Plus CY Advance Procurement (\$ in Millions)	-	-	-	-	-	-	-	-	-	-	-	-
Total Obligation Authority (\$ in Millions)	979.632	51.654	51.500	-	53.800	53.800	-	-	-	-	Continuing	Continuing
<i>(The following Resource Summary rows are for informational purposes only. The corresponding budget requests are documented elsewhere.)</i>												
Initial Spares (\$ in Millions)	-	-	-	-	-	-	-	-	-	-	-	-
Flyaway Unit Cost (\$ in Thousands)	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Unit Cost (\$ in Thousands)	-	-	-	4,483.333	-	4,483.333	-	-	-	-	Continuing	Continuing

Description:

Force Provider is a fully integrated system providing critical basic life support for Soldiers deployed in remote areas. A Force Provider module provides billeting, field feeding and hygiene capabilities that include all the integrated utilities to include climate control, power generation, water and waste water systems and fuel storage. A single Force Provider module is capable of sustaining 150 personnel. Force Provider is fully containerized for rapid deployment and is transportable by rail, sea, land, and air using C-130, C-17 or C-5A aircraft. With the addition of Cold Weather Kits (CWKs), the module is deployable in temperatures as low as -15 degrees Fahrenheit. Missions for Force Provider are: Base camps for enforcement missions, peace keeping, theater reception/redeployment, intermediate staging base operations, humanitarian aid and disaster relief (both in theater and in austere environments). Force Provider modules are placed in Prepositioned Stocks to meet critical Operational Plan requirements of the Army Service Component Commands (ASCC). Each Force Provider module is configured in 150-Soldier or 50-Soldier expeditionary subsets that are capable of operating independently as mission requirements dictate. These systems are configured with optional Resource and Energy Efficiency Kits, Power Generation Kits, Cold Weather Kits and Prime Power Kits which increase their deployment versatility. The Army Acquisition Objective for Force Provider is 236 150-Soldier equivalent systems.

Secondary Distribution		FY 2014	FY 2015	FY 2016 Base	FY 2016 OCO	FY 2016 Total	FY 2017	FY 2018	FY 2019	FY 2020
Army	Quantity	-	-	-	-	-	-	-	-	-
	Total Obligation Authority	51.654	51.500	-	53.800	53.800	-	-	-	-
Total: Secondary Distribution	Quantity	-	-	-	-	-	-	-	-	-
	Total Obligation Authority	51.654	51.500	-	53.800	53.800	-	-	-	-

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

Appropriation / Budget Activity / Budget Sub Activity:
2035A: Other Procurement, Army / BA 03: Other Support Equipment / BSA 25:
Combat Service Support Equipment

P-1 Line Item Number / Title:
M80200 / Force Provider

ID Code (A=Service Ready, B=Not Service Ready) :			Program Elements for Code B Items:			Other Related Program Elements:		
Exhibits Schedule			Prior Years	FY 2014	FY 2015	FY 2016 Base	FY 2016 OCO	FY 2016 Total
Title*	Exhibits	ID CD	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)
M80200 / Force Provider	P-5, P-5a, P-21		- / 979.632	- / 51.654	- / 51.500	- / -	- / 53.800	- / 53.800
Total Gross/Weapon System Cost			- / 979.632	- / 51.654	- / 51.500	- / -	- / 53.800	- / 53.800

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

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

Justification:
There are no FY 16 Base funds for this program.

FY 16 OCO procurement dollars in the amount of \$53,800 million supports production of 12 Force Provider 150-Soldier equivalent systems, Power Generation Kits, and Expeditionary TRICON Kits to replace battle losses.

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.

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Exhibit P-5, Cost Analysis: PB 2016 Army						Date: February 2015		
Appropriation / Budget Activity / Budget Sub Activity: 2035A / 03 / 25			P-1 Line Item Number / Title: M80200 / Force Provider			Item Number / Title [DODIC]: M80200 / Force Provider		
ID Code (A=Service Ready, B=Not Service Ready) :				MDAP/MAIS Code:				
Resource Summary			Prior Years	FY 2014	FY 2015	FY 2016 Base	FY 2016 OCO	FY 2016 Total
Procurement Quantity (Units in Each)			-	-	-	-	-	-
Gross/Weapon System Cost (\$ in Millions)			979.632	51.654	51.500	-	53.800	53.800
Less PY Advance Procurement (\$ in Millions)			-	-	-	-	-	-
Net Procurement (P1) (\$ in Millions)			979.632	51.654	51.500	-	53.800	53.800
Plus CY Advance Procurement (\$ in Millions)			-	-	-	-	-	-
Total Obligation Authority (\$ in Millions)			979.632	51.654	51.500	-	53.800	53.800
<i>(The following Resource Summary rows are for informational purposes only. The corresponding budget requests are documented elsewhere.)</i>								
Initial Spares (\$ in Millions)			-	-	-	-	-	-
Gross/Weapon System Unit Cost (\$ in Thousands)			-	-	-	4,483.333	-	4,483.333

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

Cost Elements	Prior Years			FY 2014			FY 2015			FY 2016 Base			FY 2016 OCO			FY 2016 Total		
	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)
Flyaway Cost																		
Recurring Cost																		
Hardware Force Provider Module ^(†)	-	-	820.469	3,218.000	12	38.616	3,232.000	12	38.784	-	-	-	3,617.000	12	43.404	3,617.000	12	43.404
Hardware Power Generator Kit ^(†)	-	-	36.849	1,592.000	3	4.776	1,639.000	3	4.917	-	-	-	1,798.000	1	1.798	1,798.000	1	1.798
Hardware Cold Weather Kit	-	-	54.924	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Hardware Expeditionary TRICON Set ^(†)	-	-	53.784	1,962.000	3	5.886	2,021.000	3	6.063	-	-	-	2,080.000	3	6.240	2,080.000	3	6.240
Hardware Spare Parts	-	-	1.496	-	-	0.375	-	-	0.310	-	-	-	-	-	0.315	-	-	0.315
System Engineering/ Program Management	-	-	4.210	-	-	0.850	-	-	0.750	-	-	-	-	-	0.780	-	-	0.780
Data	-	-	3.090	-	-	0.350	-	-	0.125	-	-	-	-	-	0.130	-	-	0.130
Fielding	-	-	4.810	-	-	0.365	-	-	0.375	-	-	-	-	-	0.383	-	-	0.383
Testing	-	-	-	-	-	0.049	-	-	0.026	-	-	-	-	-	0.450	-	-	0.450
Logistics	-	-	-	-	-	0.387	-	-	0.150	-	-	-	-	-	0.300	-	-	0.300
<i>Subtotal: Recurring Cost</i>	-	-	<i>979.632</i>	-	-	<i>51.654</i>	-	-	<i>51.500</i>	-	-	-	-	-	<i>53.800</i>	-	-	<i>53.800</i>
<i>Subtotal: Flyaway Cost</i>	-	-	<i>979.632</i>	-	-	<i>51.654</i>	-	-	<i>51.500</i>	-	-	-	-	-	<i>53.800</i>	-	-	<i>53.800</i>
Gross/Weapon System Cost	-	-	979.632	-	-	51.654	-	-	51.500	4,483.333	-	-	-	-	53.800	4,483.333	-	53.800

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Exhibit P-5, Cost Analysis: PB 2016 Army	Date: February 2015
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Appropriation / Budget Activity / Budget Sub Activity: 2035A / 03 / 25	P-1 Line Item Number / Title: M80200 / Force Provider	Item Number / Title [DODIC]: M80200 / Force Provider
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ID Code (A=Service Ready, B=Not Service Ready) :	MDAP/MAIS Code:
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Secondary Distribution		FY 2014	FY 2015	FY 2016 Base	FY 2016 OCO	FY 2016 Total
Army	Quantity	-	-	-	-	-
	Total Obligation Authority	51.654	51.500	-	53.800	53.800
Total:	Quantity	-	-	-	-	-
Secondary Distribution	Total Obligation Authority	51.654	51.500	-	53.800	53.800

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

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

Appropriation / Budget Activity / Budget Sub Activity: 2035A / 03 / 25	P-1 Line Item Number / Title: M80200 / Force Provider	Item Number / Title [DODIC]: M80200 / Force Provider
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Cost Elements	O C O	FY	Contractor and Location	Method/Type or Funding Vehicle	Location of PCO	Award Date	Date of First Delivery	Qty <i>(Each)</i>	Unit Cost <i>(\$ K)</i>	Specs Avail Now?	Date Revision Available	RFP Issue Date
Hardware Force Provider Module ^(†)		2014	Letterkenny Army Depot / Chambersburg, PA	SS / FP	Natick, MA	Mar 2014	Dec 2014	12	3,218.000	Y	May 2009	Aug 2010
Hardware Force Provider Module ^(†)		2015	Letterkenny Army Depot / Chambersburg, PA	SS / FP	Natick, MA	Mar 2015	Dec 2015	12	3,232.000	Y	May 2009	Aug 2010
Hardware Force Provider Module ^(†)	✓	2016	Letterkenny Army Depot / Chambersburg, PA	SS / FP	Natick, MA	Mar 2016	Dec 2016	12	3,617.000	Y	Oct 2015	Oct 2015
Hardware Power Generator Kit ^(†)		2014	Letterkenny Army Depot / Chambersburg, PA	SS / FP	Natick, MA	Mar 2014	Dec 2014	3	1,592.000	Y	Oct 2007	Aug 2009
Hardware Power Generator Kit ^(†)		2015	Letterkenny Army Depot / Chambersburg, PA	SS / FP	Natick, MA	Mar 2015	Dec 2015	3	1,639.000	Y	Oct 2007	Aug 2009
Hardware Power Generator Kit ^(†)	✓	2016	Letterkenny Army Depot / Chambersburg, PA	SS / FP	Natick, MA	Mar 2016	Dec 2016	1	1,798.000	Y	Oct 2007	Aug 2009
Hardware Expeditionary TRICON Set ^(†)		2014	Letterkenny Army Depot / Chambersburg, PA	C / FP	Natick, MA	Mar 2014	Sep 2014	3	1,962.000	Y	Sep 2009	Jun 2010
Hardware Expeditionary TRICON Set ^(†)		2015	Letterkenny Army Depot / Chambersburg, PA	C / FP	Natick, MA	Mar 2015	Sep 2015	3	2,021.000	Y	Sep 2009	Jun 2010
Hardware Expeditionary TRICON Set ^(†)	✓	2016	Letterkenny Army Depot / Chambersburg, PA	C / FP	Natick, MA	Mar 2016	Sep 2016	3	2,080.000	Y	Sep 2009	Jun 2010

^(†) indicates the presence of a P-21

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

Appropriation / Budget Activity / Budget Sub Activity: 2035A / 03 / 25 P-1 Line Item Number / Title: M80200 / Force Provider Item Number / Title [DODIC]: M80200 / Force Provider

Cost Elements (Units in Each)						Fiscal Year 2014														Fiscal Year 2015																	
O C C O	M F R #	FY	SERVICE	PROC QTY	ACCEPT PRIOR TO 1 OCT 2013	BAL DUE AS OF 1 OCT	Calendar Year 2014														Calendar Year 2015																
							O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	B A L						
Hardware Force Provider Module																																					
	1	2014	ARMY (X)	12	-	12																															
	1	2015	ARMY (XI)	12	-	12																															
✓	1	2016	ARMY (XII)	12	-	12																															
Hardware Power Generator Kit																																					
	2	2014	ARMY (XIII)	3	-	3																															
	2	2015	ARMY (XIV)	3	-	3																															
✓	2	2016	ARMY (XV)	1	-	1																															
Hardware Expeditionary TRICON Set																																					
	3	2014	ARMY (XVI)	3	-	3																															
	3	2015	ARMY (XVII)	3	-	3																															
✓	3	2016	ARMY (XVIII)	3	-	3																															
							O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	B A L						

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

Appropriation / Budget Activity / Budget Sub Activity: 2035A / 03 / 25 **P-1 Line Item Number / Title:** M80200 / Force Provider **Item Number / Title [DODIC]:** M80200 / Force Provider

Cost Elements <i>(Units in Each)</i>					Fiscal Year 2016													Fiscal Year 2017													
O C C O	M F R #	FY	SERVICE	PROC QTY	ACCEP T P R I O R T O 1 O C T 2 0 1 5	BAL D U E A S O F 1 O C T	Calendar Year 2016													Calendar Year 2017											
							O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	B A L
Hardware Force Provider Module																															
	1	2014	ARMY (X)	12	12	-																									
	1	2015	ARMY (XI)	12	-	12	-	-	4	4	4																				
✓	1	2016	ARMY (XII)	12	-	12																									
Hardware Power Generator Kit																															
	2	2014	ARMY (XIII)	3	3	-																									
	2	2015	ARMY (XIV)	3	-	3	-	-	1	1	1																				
✓	2	2016	ARMY (XV)	1	-	1																									
Hardware Expeditionary TRICON Set																															
	3	2014	ARMY (XVI)	3	3	-																									
	3	2015	ARMY (XVII)	3	1	2	1	1																							
✓	3	2016	ARMY (XVIII)	3	-	3																									
							O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	B A L

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Exhibit P-21, Production Schedule: PB 2016 Army		Date: February 2015
Appropriation / Budget Activity / Budget Sub Activity: 2035A / 03 / 25		P-1 Line Item Number / Title: M80200 / Force Provider
		Item Number / Title [DODIC]: M80200 / Force Provider

MFR Ref #	MFR Name - Location	Production Rates (Each / Month)			Procurement Leadtime (Months)							
		MSR For 2016	1-8-5 For 2016	MAX For 2016	Initial				Reorder			
					ALT Prior to Oct 1	ALT After Oct 1	Mfg PLT	Total After Oct 1	ALT Prior to Oct 1	ALT After Oct 1	Mfg PLT	Total After Oct 1
1	Letterkenny Army Depot - Chambersburg, PA	4	6	12	-	10	9	19	-	3	9	12
2	Letterkenny Army Depot - Chambersburg, PA	1	6	12	-	10	9	19	-	5	9	14
3	Letterkenny Army Depot - Chambersburg, PA	1	4	8	-	10	6	16	-	3	6	9

Remarks:
Module production rates (min, 1-8-5, and max are yearly rates due to the size and complexity of the system. (For manufacturer 1 only). Remaining manufacturer production rates are monthly.

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

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

Service/Agency Suffixes:

- (X) OCO
- (XI) OCO
- (XII) OCO
- (XIII) OCO
- (XIV) OCO
- (XV) OCO
- (XVI) OCO
- (XVII) OCO
- (XVIII) OCO

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

Appropriation / Budget Activity / Budget Sub Activity: 2035A: Other Procurement, Army / BA 03: Other Support Equipment / BSA 25: Combat Service Support Equipment	P-1 Line Item Number / Title: M65800 / Field Feeding Equipment
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ID Code (A=Service Ready, B=Not Service Ready) : A	Program Elements for Code B Items:						Other Related Program Elements: 0604713A					
Resource Summary	Prior Years	FY 2014	FY 2015	FY 2016 Base	FY 2016 OCO	FY 2016 Total	FY 2017	FY 2018	FY 2019	FY 2020	To Complete	Total
Procurement Quantity (Units in Each)	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Cost (\$ in Millions)	474.870	28.799	15.179	13.118	-	13.118	18.317	16.510	15.195	19.572	Continuing	Continuing
Less PY Advance Procurement (\$ in Millions)	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P1) (\$ in Millions)	474.870	28.799	15.179	13.118	-	13.118	18.317	16.510	15.195	19.572	Continuing	Continuing
Plus CY Advance Procurement (\$ in Millions)	-	-	-	-	-	-	-	-	-	-	-	-
Total Obligation Authority (\$ in Millions)	474.870	28.799	15.179	13.118	-	13.118	18.317	16.510	15.195	19.572	Continuing	Continuing
<i>(The following Resource Summary rows are for informational purposes only. The corresponding budget requests are documented elsewhere.)</i>												
Initial Spares (\$ in Millions)	-	-	-	-	-	-	-	-	-	-	-	-
Flyaway Unit Cost (\$ in Thousands)	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Unit Cost (\$ in Thousands)	-	-	-	119.255	-	119.255	-	-	-	-	Continuing	Continuing

Description:

The Field Feeding and Refrigeration program provides equipment to conduct tactical food service operations. Field Feeding is a combat multiplier which improves morale and enhances the Soldier's physical and cognitive capabilities. Associated with food service operations are storage, preparation, serving and cleanup. Equipment items include: field kitchens, food sanitation centers, and refrigerated containers. This program supports the production of the Battlefield Kitchen that will replace the over-age and outdated Mobile Kitchen Trailer (MKT) as the Army's mid-sized kitchen. The Battlefield Kitchen will provide units with a modern, safer, and more operationally and energy efficient capability designed for today's rations and tactical prime movers that meets Army requirements for improved mobility, survivability, and deployability. In conjunction with food service personnel and field rations, this equipment comprises the Army Field Feeding System (AFFS) which supports the Army standard of one hot prepared meal per day in the field. This program provides a critical capability that supports Army transformation, the modularity concept while maintaining readiness through fielding and integration of new equipment. It enhances the field Soldier's well being and reduces requirements for related lift demands, combat zone footprint, and logistical support costs.

Secondary Distribution		FY 2014	FY 2015	FY 2016 Base	FY 2016 OCO	FY 2016 Total	FY 2017	FY 2018	FY 2019	FY 2020
Army	Quantity	-	-	-	-	-	-	-	-	-
	Total Obligation Authority	13.134	3.739	9.961	-	9.961	13.817	12.493	12.015	16.967
ANG	Quantity	-	-	-	-	-	-	-	-	-
	Total Obligation Authority	6.490	10.780	3.157	-	3.157	4.500	4.017	3.180	2.605
AR	Quantity	-	-	-	-	-	-	-	-	-
	Total Obligation Authority	9.175	0.660	-	-	-	-	-	-	-
Total:	Quantity	-	-	-	-	-	-	-	-	-
Secondary Distribution	Total Obligation Authority	28.799	15.179	13.118	-	13.118	18.317	16.510	15.195	19.572

UNCLASSIFIED

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

Appropriation / Budget Activity / Budget Sub Activity: 2035A: Other Procurement, Army / BA 03: Other Support Equipment / BSA 25: Combat Service Support Equipment	P-1 Line Item Number / Title: M65800 / Field Feeding Equipment
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ID Code (A=Service Ready, B=Not Service Ready) : A	Program Elements for Code B Items:	Other Related Program Elements: 0604713A
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Exhibits Schedule			Prior Years	FY 2014	FY 2015	FY 2016 Base	FY 2016 OCO	FY 2016 Total
Title*	Exhibits	ID CD	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)
M65801 / REFRIGERATED CONTAINER SYSTEMS	P-5, P-5a, P-21	A	- / 174.379	- / 22.112	- / 10.290	- / 9.486	- / -	- / 9.486
M65803 / KITCHEN, CONTAINERIZED, FIELD (CK)	P-5, P-5a, P-21	A	- / 171.797	- / 6.264	- / -	- / -	- / -	- / -
M65806 / Assault Kitchen (AK)	P-5, P-5a, P-21	A	- / 41.390	- / 0.423	- / 4.889	- / 3.632	- / -	- / 3.632
Total Gross/Weapon System Cost			- / 474.870	- / 28.799	- / 15.179	- / 13.118	- / -	- / 13.118

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

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

Justification:
 FY 16 Base procurement dollars in the amount of \$13.118 million supports production of 57 Multi Temperature Refrigerated Container Systems (MTRCS) for issue to Subsistence Platoons, and maneuver and Support BCT's to implement the configured load subsistence supply concept and 53 Assault Kitchens (AK's) to support company level feeding in light through heavy forces.

The FY 2016 funding request was reduced for \$3.327 million to account for the availability of prior year execution balances.

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

UNCLASSIFIED

Exhibit P-5, Cost Analysis: PB 2016 Army		Date: February 2015
Appropriation / Budget Activity / Budget Sub Activity: 2035A / 03 / 25	P-1 Line Item Number / Title: M65800 / Field Feeding Equipment	Item Number / Title [DODIC]: M65801 / REFRIGERATED CONTAINER SYSTEMS

ID Code (A=Service Ready, B=Not Service Ready) : A	MDAP/MAIS Code:
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Resource Summary	Prior Years	FY 2014	FY 2015	FY 2016 Base	FY 2016 OCO	FY 2016 Total
Procurement Quantity (Units in Each)	-	-	-	-	-	-
Gross/Weapon System Cost (\$ in Millions)	174.379	22.112	10.290	9.486	-	9.486
Less PY Advance Procurement (\$ in Millions)	-	-	-	-	-	-
Net Procurement (P1) (\$ in Millions)	174.379	22.112	10.290	9.486	-	9.486
Plus CY Advance Procurement (\$ in Millions)	-	-	-	-	-	-
Total Obligation Authority (\$ in Millions)	174.379	22.112	10.290	9.486	-	9.486

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

Initial Spares (\$ in Millions)	-	-	-	-	-	-
Gross/Weapon System Unit Cost (\$ in Thousands)	-	-	-	166.421	-	166.421

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

Cost Elements	Prior Years			FY 2014			FY 2015			FY 2016 Base			FY 2016 OCO			FY 2016 Total		
	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)
Flyaway Cost																		
Recurring Cost																		
Hardware MTRCS ^(†)	950.012	166	157.702	127.000	116	14.732	125.000	38	4.750	127.509	57	7.268	-	-	-	127.509	57	7.268
Hardware Spare Parts	-	-	0.972	-	-	0.141	-	-	0.038	-	-	0.057	-	-	-	-	-	0.057
System Engineering/ Program Management	-	-	5.167	-	-	1.529	-	-	1.094	-	-	1.085	-	-	-	-	-	1.085
Fielding	-	-	7.443	-	-	2.115	-	-	0.578	-	-	0.931	-	-	-	-	-	0.931
Testing	-	-	2.095	-	-	0.550	-	-	2.450	-	-	-	-	-	-	-	-	-
Data	-	-	1.000	-	-	0.400	-	-	1.250	-	-	-	-	-	-	-	-	-
Engineering Changes	-	-	-	-	-	2.645	-	-	0.130	-	-	0.145	-	-	-	-	-	0.145
<i>Subtotal: Recurring Cost</i>	-	-	<i>174.379</i>	-	-	<i>22.112</i>	-	-	<i>10.290</i>	-	-	<i>9.486</i>	-	-	-	-	-	<i>9.486</i>
<i>Subtotal: Flyaway Cost</i>	-	-	<i>174.379</i>	-	-	<i>22.112</i>	-	-	<i>10.290</i>	-	-	<i>9.486</i>	-	-	-	-	-	<i>9.486</i>
Gross/Weapon System Cost	-	-	174.379	-	-	22.112	-	-	10.290	166.421	-	9.486	-	-	-	166.421	-	9.486

Secondary Distribution		FY 2014	FY 2015	FY 2016 Base	FY 2016 OCO	FY 2016 Total
Army	Quantity	-	-	-	-	-
	Total Obligation Authority	6.870	2.815	9.486	-	9.486
ANG	Quantity	-	-	-	-	-
	Total Obligation Authority	6.197	7.475	-	-	-

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Exhibit P-5, Cost Analysis: PB 2016 Army		Date: February 2015
Appropriation / Budget Activity / Budget Sub Activity: 2035A / 03 / 25	P-1 Line Item Number / Title: M65800 / Field Feeding Equipment	Item Number / Title [DODIC]: M65801 / REFRIGERATED CONTAINER SYSTEMS

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

Secondary Distribution		FY 2014	FY 2015	FY 2016 Base	FY 2016 OCO	FY 2016 Total
AR	Quantity	-	-	-	-	-
	Total Obligation Authority	9.045	-	-	-	-
Total: Secondary Distribution	Quantity	-	-	-	-	-
	Total Obligation Authority	22.112	10.290	9.486	-	9.486

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

UNCLASSIFIED

Exhibit P-5a, Procurement History and Planning: PB 2016 Army								Date: February 2015				
Appropriation / Budget Activity / Budget Sub Activity: 2035A / 03 / 25			P-1 Line Item Number / Title: M65800 / Field Feeding Equipment					Item Number / Title [DODIC]: M65801 / REFRIGERATED CONTAINER SYSTEMS				
Cost Elements	O C O	FY	Contractor and Location	Method/Type or Funding Vehicle	Location of PCO	Award Date	Date of First Delivery	Qty (Each)	Unit Cost (\$ K)	Specs Avail Now?	Date Revision Available	RFP Issue Date
Hardware MTRCS ^(t)		2014	DRS Environmental Systems / Florence KY	C / FP	RDECOM, Natick, MA	Jan 2014	Oct 2014	116	127.000	N		Apr 2003
Hardware MTRCS		2015	DRS Environmental Systems / Florence KY	C / FP	RDECOM, Natick, MA	Jan 2015	Oct 2015	38	125.000	N		Jan 2015
Hardware MTRCS		2016	DRS Environmental Systems / Florence KY	C / FP	RDECOM, Natick, MA	Jan 2016	Oct 2016	57	127.509	N		Jan 2015

^(t) indicates the presence of a P-21

UNCLASSIFIED

Exhibit P-21, Production Schedule: PB 2016 Army															Date: February 2015														
Appropriation / Budget Activity / Budget Sub Activity: 2035A / 03 / 25										P-1 Line Item Number / Title: M65800 / Field Feeding Equipment										Item Number / Title [DODIC]: M65801 / REFRIGERATED CONTAINER SYSTEMS									

Cost Elements <i>(Units in Each)</i>						Fiscal Year 2014												Fiscal Year 2015															
O C C O	M F R #	FY	SERVICE	PROC QTY	ACCEPT PRIOR TO 1 OCT 2013	BAL DUE AS OF 1 OCT	Calendar Year 2014												Calendar Year 2015														
							O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	B A L		
Hardware MTRCS																																	
Prior Years Deliveries: 166																																	
1	2014	ARMY		116	-	116				A	-									10	10	10	10	10	10	10	10	10	9	9	9	9	-
							O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	B A L		

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Exhibit P-21, Production Schedule: PB 2016 Army															Date: February 2015														
Appropriation / Budget Activity / Budget Sub Activity: 2035A / 03 / 25										P-1 Line Item Number / Title: M65800 / Field Feeding Equipment										Item Number / Title [DODIC]: M65801 / REFRIGERATED CONTAINER SYSTEMS									

Cost Elements <i>(Units in Each)</i>					Fiscal Year 2016												Fiscal Year 2017														
O C C O	M F R #	FY	SERVICE	PROC QTY	ACCEPT PRIOR TO 1 OCT 2015	BAL DUE AS OF 1 OCT	Calendar Year 2016												Calendar Year 2017												
							O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	B A L
Hardware MTRCS																															
Prior Years Deliveries: 166																															
1		2014	ARMY	116	116	-																									
							O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	B A L

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Exhibit P-21, Production Schedule: PB 2016 Army		Date: February 2015
Appropriation / Budget Activity / Budget Sub Activity: 2035A / 03 / 25		P-1 Line Item Number / Title: M65800 / Field Feeding Equipment
		Item Number / Title [DODIC]: M65801 / REFRIGERATED CONTAINER SYSTEMS

MFR Ref #	MFR Name - Location	Production Rates (Each / Month)			Procurement Leadtime (Months)							
		MSR For 2016	1-8-5 For 2016	MAX For 2016	Initial				Reorder			
					ALT Prior to Oct 1	ALT After Oct 1	Mfg PLT	Total After Oct 1	ALT Prior to Oct 1	ALT After Oct 1	Mfg PLT	Total After Oct 1
1	DRS Environmental Systems - Florence KY	8	20	36	-	4	9	13	-	4	9	13

Remarks:
Production rates shown are monthly.

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

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

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Exhibit P-5, Cost Analysis: PB 2016 Army		Date: February 2015
Appropriation / Budget Activity / Budget Sub Activity: 2035A / 03 / 25		P-1 Line Item Number / Title: M65800 / Field Feeding Equipment
		Item Number / Title [DODIC]: M65803 / KITCHEN, CONTAINERIZED, FIELD (CK)

ID Code (A=Service Ready, B=Not Service Ready) : A	MDAP/MAIS Code:
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Resource Summary	Prior Years	FY 2014	FY 2015	FY 2016 Base	FY 2016 OCO	FY 2016 Total
Procurement Quantity (Units in Each)	-	-	-	-	-	-
Gross/Weapon System Cost (\$ in Millions)	171.797	6.264	-	-	-	-
Less PY Advance Procurement (\$ in Millions)	-	-	-	-	-	-
Net Procurement (P1) (\$ in Millions)	171.797	6.264	-	-	-	-
Plus CY Advance Procurement (\$ in Millions)	-	-	-	-	-	-
Total Obligation Authority (\$ in Millions)	171.797	6.264	-	-	-	-

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

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

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

Cost Elements	Prior Years			FY 2014			FY 2015			FY 2016 Base			FY 2016 OCO			FY 2016 Total		
	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)
Flyaway Cost																		
Recurring Cost																		
Hardware CK ^(†)	-	-	114.243	321.429	14	4.500	-	-	-	-	-	-	-	-	-	-	-	-
Initial Spares	-	-	18.220	-	-	0.054	-	-	-	-	-	-	-	-	-	-	-	-
Engineering Support/ PM Support	-	-	10.730	-	-	0.888	-	-	-	-	-	-	-	-	-	-	-	-
Testing	-	-	7.750	-	-	0.048	-	-	-	-	-	-	-	-	-	-	-	-
Fielding/NET	-	-	12.948	-	-	0.374	-	-	-	-	-	-	-	-	-	-	-	-
Data	-	-	7.906	-	-	0.150	-	-	-	-	-	-	-	-	-	-	-	-
ECP	-	-	-	-	-	0.250	-	-	-	-	-	-	-	-	-	-	-	-
<i>Subtotal: Recurring Cost</i>	-	-	<i>171.797</i>	-	-	<i>6.264</i>	-	-	-	-	-	-	-	-	-	-	-	-
<i>Subtotal: Flyaway Cost</i>	-	-	<i>171.797</i>	-	-	<i>6.264</i>	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Cost	-	-	171.797	-	-	6.264	-	-	-	-	-	-	-	-	-	-	-	-

Secondary Distribution		FY 2014	FY 2015	FY 2016 Base	FY 2016 OCO	FY 2016 Total
Army	Quantity	-	-	-	-	-
	Total Obligation Authority	6.264	-	-	-	-
Total:	Quantity	-	-	-	-	-

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Exhibit P-5, Cost Analysis: PB 2016 Army			Date: February 2015			
Appropriation / Budget Activity / Budget Sub Activity: 2035A / 03 / 25		P-1 Line Item Number / Title: M65800 / Field Feeding Equipment		Item Number / Title [DODIC]: M65803 / KITCHEN, CONTAINERIZED, FIELD (CK)		
ID Code (A=Service Ready, B=Not Service Ready) : A			MDAP/MAIS Code:			
Secondary Distribution		FY 2014	FY 2015	FY 2016 Base	FY 2016 OCO	FY 2016 Total
Secondary Distribution	Total Obligation Authority	6.264	-	-	-	-

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

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Exhibit P-5a, Procurement History and Planning: PB 2016 Army							Date: February 2015					
Appropriation / Budget Activity / Budget Sub Activity: 2035A / 03 / 25			P-1 Line Item Number / Title: M65800 / Field Feeding Equipment				Item Number / Title [DODIC]: M65803 / KITCHEN, CONTAINERIZED, FIELD (CK)					
Cost Elements	O C O	FY	Contractor and Location	Method/Type or Funding Vehicle	Location of PCO	Award Date	Date of First Delivery	Qty (Each)	Unit Cost (\$ K)	Specs Avail Now?	Date Revision Available	RFP Issue Date
Hardware CK ^(†)		2014	OVC Engineered Solutions / Easton MD	SS / FP	RDECOM, Natick, MA	Jan 2015	Oct 2015	14	321.429	N		Jun 2014

^(†) indicates the presence of a P-21

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Exhibit P-21, Production Schedule: PB 2016 Army															Date: February 2015														
Appropriation / Budget Activity / Budget Sub Activity: 2035A / 03 / 25										P-1 Line Item Number / Title: M65800 / Field Feeding Equipment										Item Number / Title [DODIC]: M65803 / KITCHEN, CONTAINERIZED, FIELD (CK)									

Cost Elements <i>(Units in Each)</i>						Fiscal Year 2015												Fiscal Year 2016													
O C C O	M F R #	FY	SERVICE	PROC QTY	ACCEPT PRIOR TO 1 OCT 2014	BAL DUE AS OF 1 OCT	Calendar Year 2015												Calendar Year 2016												
							O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	B A L
Hardware CK																															
	1	2014	ARMY	14	-	14				A	-	-	-	-	-	-	-	-	1	3	3	3	3	1				-			
							O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	B A L

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Exhibit P-21, Production Schedule: PB 2016 Army		Date: February 2015
Appropriation / Budget Activity / Budget Sub Activity: 2035A / 03 / 25		P-1 Line Item Number / Title: M65800 / Field Feeding Equipment
		Item Number / Title [DODIC]: M65803 / KITCHEN, CONTAINERIZED, FIELD (CK)

MFR Ref #	MFR Name - Location	Production Rates (Each / Month)			Procurement Leadtime (Months)							
		MSR For 2016	1-8-5 For 2016	MAX For 2016	Initial			Reorder				
					ALT Prior to Oct 1	ALT After Oct 1	Mfg PLT	ALT Prior to Oct 1	ALT After Oct 1	Mfg PLT	Total After Oct 1	
1	OVC Engineered Solutions - Easton MD	3	8	16	-	10	9	19	-	-	-	-

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

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

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

Appropriation / Budget Activity / Budget Sub Activity: 2035A / 03 / 25	P-1 Line Item Number / Title: M65800 / Field Feeding Equipment	Item Number / Title [DODIC]: M65806 / Assault Kitchen (AK)
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ID Code (A=Service Ready, B=Not Service Ready) : A **MDAP/MAIS Code:**

Resource Summary	Prior Years	FY 2014	FY 2015	FY 2016 Base	FY 2016 OCO	FY 2016 Total
Procurement Quantity (Units in Each)	-	-	-	-	-	-
Gross/Weapon System Cost (\$ in Millions)	41.390	0.423	4.889	3.632	-	3.632
Less PY Advance Procurement (\$ in Millions)	-	-	-	-	-	-
Net Procurement (P1) (\$ in Millions)	41.390	0.423	4.889	3.632	-	3.632
Plus CY Advance Procurement (\$ in Millions)	-	-	-	-	-	-
Total Obligation Authority (\$ in Millions)	41.390	0.423	4.889	3.632	-	3.632

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

Initial Spares (\$ in Millions)	-	-	-	-	-	-
Gross/Weapon System Unit Cost (\$ in Thousands)	-	-	-	68.528	-	68.528

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

Cost Elements	Prior Years			FY 2014			FY 2015			FY 2016 Base			FY 2016 OCO			FY 2016 Total		
	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)
Flyaway Cost																		
Recurring Cost																		
Hardware AK ⁽¹⁾	530.641	78	41.390	47.000	5	0.235	47.935	77	3.691	48.906	53	2.592	-	-	-	48.906	53	2.592
Hardware Spare Parts	-	-	-	-	-	0.026	-	-	0.023	-	-	0.016	-	-	-	-	-	0.016
Engineering Changes	-	-	-	-	-	0.005	-	-	0.074	-	-	0.052	-	-	-	-	-	0.052
System Engineering/ Program Management	-	-	-	-	-	0.102	-	-	0.662	-	-	0.635	-	-	-	-	-	0.635
Fielding	-	-	-	-	-	0.055	-	-	0.439	-	-	0.337	-	-	-	-	-	0.337
<i>Subtotal: Recurring Cost</i>	-	-	41.390	-	-	0.423	-	-	4.889	-	-	3.632	-	-	-	-	-	3.632
<i>Subtotal: Flyaway Cost</i>	-	-	41.390	-	-	0.423	-	-	4.889	-	-	3.632	-	-	-	-	-	3.632
Gross/Weapon System Cost	-	-	41.390	-	-	0.423	-	-	4.889	68.528	-	3.632	-	-	-	68.528	-	3.632

Secondary Distribution		FY 2014	FY 2015	FY 2016 Base	FY 2016 OCO	FY 2016 Total
Army	Quantity	-	-	-	-	-
	Total Obligation Authority	-	0.924	0.475	-	0.475
ANG	Quantity	-	-	-	-	-
	Total Obligation Authority	0.293	3.305	3.157	-	3.157
AR	Quantity	-	-	-	-	-
	Total Obligation Authority	0.130	0.660	-	-	-
Total:	Quantity	-	-	-	-	-

UNCLASSIFIED

Exhibit P-5, Cost Analysis: PB 2016 Army	Date: February 2015
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Appropriation / Budget Activity / Budget Sub Activity: 2035A / 03 / 25	P-1 Line Item Number / Title: M65800 / Field Feeding Equipment	Item Number / Title [DODIC]: M65806 / Assault Kitchen (AK)
--	--	--

ID Code (A=Service Ready, B=Not Service Ready) : A	MDAP/MAIS Code:
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Secondary Distribution	FY 2014	FY 2015	FY 2016 Base	FY 2016 OCO	FY 2016 Total
Secondary Distribution Total Obligation Authority	0.423	4.889	3.632	-	3.632

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

UNCLASSIFIED

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

Appropriation / Budget Activity / Budget Sub Activity: 2035A / 03 / 25	P-1 Line Item Number / Title: M65800 / Field Feeding Equipment	Item Number / Title [DODIC]: M65806 / Assault Kitchen (AK)
--	--	--

Cost Elements	O C O	FY	Contractor and Location	Method/Type or Funding Vehicle	Location of PCO	Award Date	Date of First Delivery	Qty <i>(Each)</i>	Unit Cost <i>(\$ K)</i>	Specs Avail Now?	Date Revision Available	RFP Issue Date
Hardware AK ^(†)		2014	Rock Island Arsenal / Rock Island, IL	MIPR	PMFSS, Natick, MA	Jan 2014	Sep 2014	5	47.000	Y		Oct 2011
Hardware AK ^(†)		2015	Rock Island Arsenal / Rock Island, IL	MIPR	PMFSS, Natick, MA	Jan 2015	Sep 2015	77	47.935	Y		Oct 2011
Hardware AK ^(†)		2016	Rock Island Arsenal / Rock Island, IL	MIPR	PMFSS, Natick, MA	Jan 2016	Sep 2016	53	48.906	Y		Oct 2011

^(†) indicates the presence of a P-21

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

Appropriation / Budget Activity / Budget Sub Activity: 2035A / 03 / 25	P-1 Line Item Number / Title: M65800 / Field Feeding Equipment	Item Number / Title [DODIC]: M65806 / Assault Kitchen (AK)
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Cost Elements <i>(Units in Each)</i>						Fiscal Year 2014												Fiscal Year 2015													
O C C O	M F R #	FY	SERVICE	PROC QTY	ACCEPT PRIOR TO 1 OCT 2013	BAL DUE AS OF 1 OCT	Calendar Year 2014												Calendar Year 2015												
							O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	B A L
Hardware AK																															
Prior Years Deliveries: 78																															
	1	2014	ARMY	5	-	5					A	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
	1	2015	ARMY	77	-	77																							7	70	
	1	2016	ARMY	53	-	53																								53	
							O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	B A L

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Exhibit P-21, Production Schedule: PB 2016 Army	Date: February 2015
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Appropriation / Budget Activity / Budget Sub Activity: 2035A / 03 / 25	P-1 Line Item Number / Title: M65800 / Field Feeding Equipment	Item Number / Title [DODIC]: M65806 / Assault Kitchen (AK)
--	--	--

MFR Ref #	MFR Name - Location	Production Rates (Each / Month)			Procurement Leadtime (Months)							
		MSR For 2016	1-8-5 For 2016	MAX For 2016	Initial				Reorder			
					ALT Prior to Oct 1	ALT After Oct 1	Mfg PLT	Total After Oct 1	ALT Prior to Oct 1	ALT After Oct 1	Mfg PLT	Total After Oct 1
1	Rock Island Arsenal - Rock Island, IL	5	20	40	-	4	8	12	-	4	8	12

Remarks:

Production rates shown are monthly.

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

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

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

Appropriation / Budget Activity / Budget Sub Activity: 2035A: Other Procurement, Army / BA 03: Other Support Equipment / BSA 25: Combat Service Support Equipment	P-1 Line Item Number / Title: MA7804 / Cargo Aerial Del & Personnel Parachute Systems
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ID Code (A=Service Ready, B=Not Service Ready) :		Program Elements for Code B Items:					Other Related Program Elements:					
Resource Summary	Prior Years	FY 2014	FY 2015	FY 2016 Base	FY 2016 OCO	FY 2016 Total	FY 2017	FY 2018	FY 2019	FY 2020	To Complete	Total
Procurement Quantity (Units in Each)	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Cost (\$ in Millions)	484.986	44.677	30.774	28.278	0.700	28.978	27.813	42.687	45.360	14.367	Continuing	Continuing
Less PY Advance Procurement (\$ in Millions)	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P1) (\$ in Millions)	484.986	44.677	30.774	28.278	0.700	28.978	27.813	42.687	45.360	14.367	Continuing	Continuing
Plus CY Advance Procurement (\$ in Millions)	-	-	-	-	-	-	-	-	-	-	-	-
Total Obligation Authority (\$ in Millions)	484.986	44.677	30.774	28.278	0.700	28.978	27.813	42.687	45.360	14.367	Continuing	Continuing
<i>(The following Resource Summary rows are for informational purposes only. The corresponding budget requests are documented elsewhere.)</i>												
Initial Spares (\$ in Millions)	-	-	-	-	-	-	-	-	-	-	-	-
Flyaway Unit Cost (\$ in Thousands)	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Unit Cost (\$ in Thousands)	-	-	-	1,448.900	-	1,448.900	-	-	-	-	Continuing	Continuing

Description:

The Advanced Tactical Parachute System (ATPS) is the Army's next generation parachute system for personnel static line airdrop operations and consists of the T-11 (non-steerable) and MC-6 (steerable) systems. The T-11 consists of an integrated harness, reserve parachute and the T-11 main canopy for mass tactical static line airdrop operations. The T-11 replaces the T-10 main canopy, the Modified Improved Reserve Parachute System (MIRPS) and the existing parachute harness. The total Army Acquisition Objective (AAO) of 43,708 has been procured. Fielding will be completed in FY15.

The RA-1 Advanced Ram Air Parachute System (ARAPS) is intended to replace the current MC-4 ram air parachute system with a multi-mission High Altitude Low Opening (HALO) and High Altitude High Opening (HAHO) standoff capability, that also provides a static line deployed ram air parachute insertion capability. The RA-1 allows personnel to exit at altitudes between 3,500 ft to 35,000 ft Mean Sea Level with a total jumper weight of 450 lbs. The AAO is 5,470 and will be procured from FY14 through FY17.

The Parachutist Navigation System (PARANAVSYS) is a reliable, easy to use Global Positioning System navigation system that will replace current compass based navigation boards, provide integrated mission planning software and increase situational awareness by providing the parachutist mission critical navigation information throughout a High Altitude High Opening/High Altitude Low Opening operation. The AAO is 5,470 and will be procured FY16 through FY19.

The Enhanced Electronic Automatic Activation Device (EEAAD) will be used on the RA-1 to open the reserve parachute system in case of malfunction or if the main canopy is not deployed. The AAO is 5,420 and it will be procured FY17-FY19.

Joint Precision Air Drop System (JPADS) represents the DoD's next generation of cargo aerial delivery. The system provides autonomous guidance of loads dropped from altitudes up to 25,000 feet Mean Sea Level (MSL) at increments of 2,000 (2K) and 10,000 (10K) pounds. JPADS will allow precise delivery of critical supplies to the Warfighter on the ground while allowing aircraft delivering payloads to fly at significantly safer altitudes. This line includes both 2K and 10K procurement.

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Exhibit P-40, Budget Line Item Justification: PB 2016 Army							Date: February 2015			
Appropriation / Budget Activity / Budget Sub Activity: 2035A: Other Procurement, Army / BA 03: Other Support Equipment / BSA 25: Combat Service Support Equipment					P-1 Line Item Number / Title: MA7804 / Cargo Aerial Del & Personnel Parachute Systems					
ID Code (A=Service Ready, B=Not Service Ready) :			Program Elements for Code B Items:			Other Related Program Elements:				
Secondary Distribution		FY 2014	FY 2015	FY 2016 Base	FY 2016 OCO	FY 2016 Total	FY 2017	FY 2018	FY 2019	FY 2020
Army	Quantity	-	-	-	-	-	-	-	-	-
	Total Obligation Authority	43.284	29.242	28.278	0.700	28.978	27.549	42.423	45.096	14.098
ANG	Quantity	-	-	-	-	-	-	-	-	-
	Total Obligation Authority	0.992	1.400	-	-	-	0.264	0.264	0.264	0.269
AR	Quantity	-	-	-	-	-	-	-	-	-
	Total Obligation Authority	0.401	0.132	-	-	-	-	-	-	-
Total:	Quantity	-	-	-	-	-	-	-	-	-
Secondary Distribution	Total Obligation Authority	44.677	30.774	28.278	0.700	28.978	27.813	42.687	45.360	14.367

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

Appropriation / Budget Activity / Budget Sub Activity: 2035A: Other Procurement, Army / BA 03: Other Support Equipment / BSA 25: Combat Service Support Equipment	P-1 Line Item Number / Title: MA7804 / Cargo Aerial Del & Personnel Parachute Systems
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ID Code (A=Service Ready, B=Not Service Ready) :			Program Elements for Code B Items:			Other Related Program Elements:		
Exhibits Schedule			Prior Years	FY 2014	FY 2015	FY 2016 Base	FY 2016 OCO	FY 2016 Total
Title*	Exhibits	ID CD	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)
MA7801 / Advanced Tactical Parachute System	P-5, P-5a, P-21		- / 347.156	- / 35.177	- / 25.996	- / 26.088	- / -	- / 26.088
MA7806 / Precision Airdrop	P-5, P-5a, P-21		- / 110.840	- / 9.500	- / 4.778	- / 2.190	- / 0.700	- / 2.890
Total Gross/Weapon System Cost			- / 484.986	- / 44.677	- / 30.774	- / 28.278	- / 0.700	- / 28.978

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

Justification:
 FY16 Base procurement dollars in the amount of \$2.190 million supports production of 15 JPADS 10K systems. FY 16 OCO procurement dollars in the amount of \$700k supports production of 20 JPADS 2K systems to replace battle losses. The success of JPADS in theater has reinforced the need to execute critical resupply missions without having to place Soldiers and ground vehicle convoys on the ground in high risk situations. Procurement of this system is vital to ensuring a precision aerial resupply capability to support the full spectrum of operations. Funding supports a balanced investment strategy for the Army's approved force structure and Army Force Generation (ARFORGEN) requirements.

 FY16 Base procurement dollars in the amount of \$26.088 million supports the procurement of 1,300 RA-1 ARAPS parachutes and 450 PARANAVSYS.

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Exhibit P-5, Cost Analysis: PB 2016 Army		Date: February 2015
Appropriation / Budget Activity / Budget Sub Activity: 2035A / 03 / 25	P-1 Line Item Number / Title: MA7804 / Cargo Aerial Del & Personnel Parachute Systems	Item Number / Title [DODIC]: MA7801 / Advanced Tactical Parachute System

ID Code (A=Service Ready, B=Not Service Ready) :	MDAP/MAIS Code:
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Resource Summary	Prior Years	FY 2014	FY 2015	FY 2016 Base	FY 2016 OCO	FY 2016 Total
Procurement Quantity (Units in Each)	-	-	-	-	-	-
Gross/Weapon System Cost (\$ in Millions)	347.156	35.177	25.996	26.088	-	26.088
Less PY Advance Procurement (\$ in Millions)	-	-	-	-	-	-
Net Procurement (P1) (\$ in Millions)	347.156	35.177	25.996	26.088	-	26.088
Plus CY Advance Procurement (\$ in Millions)	-	-	-	-	-	-
Total Obligation Authority (\$ in Millions)	347.156	35.177	25.996	26.088	-	26.088

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

Initial Spares (\$ in Millions)	-	-	-	-	-	-
Gross/Weapon System Unit Cost (\$ in Thousands)	-	-	-	13.545	-	13.545

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

Cost Elements	Prior Years			FY 2014			FY 2015			FY 2016 Base			FY 2016 OCO			FY 2016 Total		
	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)
Flyaway Cost																		
Recurring Cost																		
Engrg/Fldg/NET	31,670.000	1	31.670	17,754.000	1	17.754	16,055.000	1	16.055	8,177.000	1	8.177	-	-	-	8,177.000	1	8.177
T-11	3.702	50,777	187.976	4.350	306	1.331	-	-	-	-	-	-	-	-	-	-	-	-
MC-6 ^(t)	5.000	25,502	127.510	-	-	-	-	-	-	5.000	123	0.615	-	-	-	5.000	123	0.615
RA-1 (ARAPS) ^(t)	-	-	-	8.940	1,800	16.092	9.568	1,039	9.941	9.000	1,300	11.700	-	-	-	9.000	1,300	11.700
RA-1 SPARE PARTS ^(t)	-	-	-	-	-	-	-	-	-	3,591.000	1	3.591	-	-	-	3,591.000	1	3.591
PARANAVSYS ^(t)	-	-	-	-	-	-	-	-	-	4.456	450	2.005	-	-	-	4.456	450	2.005
<i>Subtotal: Recurring Cost</i>	-	-	347.156	-	-	35.177	-	-	25.996	-	-	26.088	-	-	-	-	-	26.088
<i>Subtotal: Flyaway Cost</i>	-	-	347.156	-	-	35.177	-	-	25.996	-	-	26.088	-	-	-	-	-	26.088
Gross/Weapon System Cost	-	-	347.156	-	-	35.177	-	-	25.996	13.545	-	26.088	-	-	-	13.545	-	26.088

Secondary Distribution	FY 2014	FY 2015	FY 2016 Base	FY 2016 OCO	FY 2016 Total
Army	-	-	-	-	-
Quantity	-	-	-	-	-
Total Obligation Authority	35.177	24.860	26.088	-	26.088
ANG	-	-	-	-	-
Quantity	-	-	-	-	-
Total Obligation Authority	-	1.136	-	-	-
Total:	-	-	-	-	-

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Exhibit P-5, Cost Analysis: PB 2016 Army				Date: February 2015		
Appropriation / Budget Activity / Budget Sub Activity: 2035A / 03 / 25		P-1 Line Item Number / Title: MA7804 / Cargo Aerial Del & Personnel Parachute Systems		Item Number / Title [DODIC]: MA7801 / Advanced Tactical Parachute System		
ID Code (A=Service Ready, B=Not Service Ready) :			MDAP/MAIS Code:			
Secondary Distribution		FY 2014	FY 2015	FY 2016 Base	FY 2016 OCO	FY 2016 Total
Secondary Distribution	Total Obligation Authority	35.177	25.996	26.088	-	26.088

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

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Exhibit P-5a, Procurement History and Planning: PB 2016 Army								Date: February 2015				
Appropriation / Budget Activity / Budget Sub Activity: 2035A / 03 / 25			P-1 Line Item Number / Title: MA7804 / Cargo Aerial Del & Personnel Parachute Systems					Item Number / Title [DODIC]: MA7801 / Advanced Tactical Parachute System				
Cost Elements	O C O	FY	Contractor and Location	Method/Type or Funding Vehicle	Location of PCO	Award Date	Date of First Delivery	Qty <i>(Each)</i>	Unit Cost <i>(\$ K)</i>	Specs Avail Now?	Date Revision Available	RFP Issue Date
MC-6 ^(†)		2016	TBD / TBD	C / FFP	TBD	Dec 2015	Mar 2016	123	5.000			
RA-1 (ARAPS) ^(†)		2014	Airborne Systems North America / Santa Ana, CA	C / FFP	Santa Ana, CA	May 2014	Aug 2014	1,800	8.940			
RA-1 (ARAPS) ^(†)		2015	Airborne Systems North America / Santa Ana, CA	C / FFP	Santa Ana, CA	Nov 2015	Jan 2016	1,039	9.568			
RA-1 (ARAPS) ^(†)		2016	TBD / TBD	C / FFP	TBD	Mar 2016	Jun 2016	1,300	9.000			
RA-1 SPARE PARTS ^(†)		2016	TBD / TBD	C / FFP	TBD	Dec 2015	Apr 2016	1	3,591.000			
PARANAVSYS ^(†)		2016	TBD / TBD	C / FFP	TBD	Feb 2016	May 2016	450	4.456			

^(†) indicates the presence of a P-21

Remarks:

The Engineering/Fielding/New Equipment Training Cost element includes funding to procure Technical Data Packages for various systems including Protective Equipment and Organizational Clothing and Equipment valued at more than \$250,000.00

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Exhibit P-21, Production Schedule: PB 2016 Army																							Date: February 2015									
Appropriation / Budget Activity / Budget Sub Activity: 2035A / 03 / 25											P-1 Line Item Number / Title: MA7804 / Cargo Aerial Del & Personnel Parachute Systems											Item Number / Title [DODIC]: MA7801 / Advanced Tactical Parachute System										
Cost Elements <i>(Units in Each)</i>						Fiscal Year 2014													Fiscal Year 2015													
O C C O	M F R #	FY	SERVICE	PROC QTY	ACCEPT PRIOR TO 1 OCT 2013	BAL DUE AS OF 1 OCT	Calendar Year 2014													Calendar Year 2015												
							O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	B A L	
MC-6																																
Prior Years Deliveries: 25502																																
1	2016	ARMY (XIX)	123	-	123																								123			
RA-1 (ARAPS)																																
2	2014	ARMY (XX)	1,800	-	1,800									A	-	-	-	150	150	150	150	150	150	150	150	150	150	150	-			
2	2015	ARMY (XXI)	1,039	-	1,039																							1,039				
3	2016	ARMY (XXII)	1,300	-	1,300																							1,300				
RA-1 SPARE PARTS																																
4	2016	ARMY	1	-	1																							1				
PARANAVSYS																																
5	2016	ARMY	450	-	450																							450				
						O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	B A L		

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Exhibit P-21, Production Schedule: PB 2016 Army																							Date: February 2015									
Appropriation / Budget Activity / Budget Sub Activity: 2035A / 03 / 25										P-1 Line Item Number / Title: MA7804 / Cargo Aerial Del & Personnel Parachute Systems										Item Number / Title [DODIC]: MA7801 / Advanced Tactical Parachute System												
Cost Elements <i>(Units in Each)</i>						Fiscal Year 2016															Fiscal Year 2017											
O C C O	M F R #	FY	SERVICE	PROC QTY	ACCEPT PRIOR TO 1 OCT 2015	BAL DUE AS OF 1 OCT	Calendar Year 2016															Calendar Year 2017										
							O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	B A L	
MC-6																																
Prior Years Deliveries: 25502																																
	1	2016	ARMY (XIX)	123	-	123			A -	-	-	25	25	25	25	23														-		
RA-1 (ARAPS)																																
	2	2014	ARMY (XX)	1,800	1,800	-																								-		
	2	2015	ARMY (XXI)	1,039	-	1,039			A -	-	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	39		-		
	3	2016	ARMY (XXII)	1,300	-	1,300						A -	-	-	150	150	150	150	150	150	150	150	150	150	150	150	100		-			
RA-1 SPARE PARTS																																
	4	2016	ARMY	1	-	1			A -	-	-	-	1																	-		
PARANAVSYS																																
	5	2016	ARMY	450	-	450					A -	-	-	75	75	75	75	75	75	75										-		
							O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	B A L	

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Exhibit P-21, Production Schedule: PB 2016 Army		Date: February 2015
Appropriation / Budget Activity / Budget Sub Activity: 2035A / 03 / 25		P-1 Line Item Number / Title: MA7804 / Cargo Aerial Del & Personnel Parachute Systems
		Item Number / Title [DODIC]: MA7801 / Advanced Tactical Parachute System

MFR Ref #	MFR Name - Location	Production Rates (Each / Month)			Procurement Leadtime (Months)								
		MSR For 2016	1-8-5 For 2016	MAX For 2016	Initial				Reorder				
					ALT Prior to Oct 1	ALT After Oct 1	Mfg PLT	Total After Oct 1	ALT Prior to Oct 1	ALT After Oct 1	Mfg PLT	Total After Oct 1	
1	TBD - TBD	50	100	180	3	5	3	8	3	3	3	3	6
2	Airborne Systems North America - Santa Ana, CA	50	150	200	3	5	6	11	3	4	3	3	7
3	TBD - TBD	50	100	180	3	5	3	8	3	3	3	3	6
4	TBD - TBD	50	100	180	3	5	3	8	3	3	3	3	6
5	TBD - TBD	50	100	180	3	5	3	8	3	3	3	3	6

Remarks:
 Production rates shown are monthly. Aug - Dec CY15 contractor will produce RA-1 for delivery to USAF. Army deliveries will resume in Jan 2016.

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

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

Service/Agency Suffixes:
 (XIX) 2016
 (XX) BASE
 (XXI) BASE
 (XXII) BASE

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

Appropriation / Budget Activity / Budget Sub Activity: 2035A / 03 / 25	P-1 Line Item Number / Title: MA7804 / Cargo Aerial Del & Personnel Parachute Systems	Item Number / Title [DODIC]: MA7806 / Precision Airdrop
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ID Code (A=Service Ready, B=Not Service Ready) : **MDAP/MAIS Code:**

Resource Summary	Prior Years	FY 2014	FY 2015	FY 2016 Base	FY 2016 OCO	FY 2016 Total
Procurement Quantity (Units in Each)	-	-	-	-	-	-
Gross/Weapon System Cost (\$ in Millions)	110.840	9.500	4.778	2.190	0.700	2.890
Less PY Advance Procurement (\$ in Millions)	-	-	-	-	-	-
Net Procurement (P1) (\$ in Millions)	110.840	9.500	4.778	2.190	0.700	2.890
Plus CY Advance Procurement (\$ in Millions)	-	-	-	-	-	-
Total Obligation Authority (\$ in Millions)	110.840	9.500	4.778	2.190	0.700	2.890

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

Initial Spares (\$ in Millions)	-	-	-	-	-	-
Gross/Weapon System Unit Cost (\$ in Thousands)	-	-	-	144.500	-	144.500

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

Cost Elements	Prior Years			FY 2014			FY 2015			FY 2016 Base			FY 2016 OCO			FY 2016 Total		
	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)
Flyaway Cost																		
Recurring Cost																		
Hardware JPADS 2K BASE ^(†)	273.996	248	67.951	30.000	15	0.450	30.000	85	2.550	-	-	-	35.000	20	0.700	35.000	20	0.700
Hardware JPADS 10K ^(†)	153.611	131	20.123	89.371	70	6.256	85.000	15	1.275	91.000	15	1.365	-	-	-	91.000	15	1.365
System Test & Evaluation, Production	-	-	4.532	-	-	0.319	-	-	0.089	-	-	0.220	-	-	-	-	-	0.220
Engineering Changes	-	-	4.797	-	-	0.371	-	-	0.104	-	-	0.150	-	-	-	-	-	0.150
Fielding/Training	-	-	4.369	-	-	0.715	-	-	0.200	-	-	0.129	-	-	-	-	-	0.129
System Engineering/ Program Management	-	-	4.753	-	-	0.229	-	-	0.064	-	-	0.041	-	-	-	-	-	0.041
Data	-	-	4.315	-	-	0.229	-	-	0.064	-	-	0.118	-	-	-	-	-	0.118
Spares	-	-	-	-	-	0.458	-	-	0.298	-	-	0.082	-	-	-	-	-	0.082
CLS/Shipping	-	-	-	-	-	0.473	-	-	0.134	-	-	0.085	-	-	-	-	-	0.085
<i>Subtotal: Recurring Cost</i>	-	-	110.840	-	-	9.500	-	-	4.778	-	-	2.190	-	-	0.700	-	-	2.890
<i>Subtotal: Flyaway Cost</i>	-	-	110.840	-	-	9.500	-	-	4.778	-	-	2.190	-	-	0.700	-	-	2.890
Gross/Weapon System Cost	-	-	110.840	-	-	9.500	-	-	4.778	144.500	-	2.190	-	-	0.700	144.500	-	2.890

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

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Exhibit P-5, Cost Analysis: PB 2016 Army	Date: February 2015
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Appropriation / Budget Activity / Budget Sub Activity: 2035A / 03 / 25	P-1 Line Item Number / Title: MA7804 / Cargo Aerial Del & Personnel Parachute Systems	Item Number / Title [DODIC]: MA7806 / Precision Airdrop
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ID Code (A=Service Ready, B=Not Service Ready) :	MDAP/MAIS Code:
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		FY 2014	FY 2015	FY 2016 Base	FY 2016 OCO	FY 2016 Total
Secondary Distribution						
	Total Obligation Authority	8.107	4.382	2.190	0.700	2.890
ANG	Quantity	-	-	-	-	-
	Total Obligation Authority	0.992	0.264	-	-	-
AR	Quantity	-	-	-	-	-
	Total Obligation Authority	0.401	0.132	-	-	-
Total:	Quantity	-	-	-	-	-
Secondary Distribution	Total Obligation Authority	9.500	4.778	2.190	0.700	2.890

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

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

Appropriation / Budget Activity / Budget Sub Activity: 2035A / 03 / 25	P-1 Line Item Number / Title: MA7804 / Cargo Aerial Del & Personnel Parachute Systems	Item Number / Title [DODIC]: MA7806 / Precision Airdrop
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Cost Elements	O C O	FY	Contractor and Location	Method/Type or Funding Vehicle	Location of PCO	Award Date	Date of First Delivery	Qty <i>(Each)</i>	Unit Cost <i>(\$ K)</i>	Specs Avail Now?	Date Revision Available	RFP Issue Date
Hardware JPADS 2K BASE ^(†)		2014	Airborne Systems / Pennsauken, NJ	C / IDIQ	RDECOM, Natick MA	Sep 2014	Apr 2015	15	30.000	Y		Jun 2014
Hardware JPADS 2K BASE ^(†)		2015	TBD / TBD	C / IDIQ	RDECOM, Natick MA	Mar 2015	Aug 2015	85	30.000	Y		Jun 2014
Hardware JPADS 2K BASE ^(†)	✓	2016	TBD / TBD	C / IDIQ	RDECOM, Natick MA	Mar 2016	Aug 2016	20	35.000	Y		Jun 2014
Hardware JPADS 10K ^(†)		2014	Airborne Systems / Pennsauken, NJ	C / IDIQ	RDECOM, Natick MA	Apr 2014	Jan 2015	70	89.371	Y		Sep 2013
Hardware JPADS 10K ^(†)		2015	Airborne Systems / Pennsauken, NJ	C / IDIQ	RDECOM, Natick MA	Mar 2015	Aug 2015	15	85.000	Y		Sep 2013
Hardware JPADS 10K ^(†)		2016	Airborne Systems / Pennsauken, NJ	C / IDIQ	RDECOM, Natick MA	Mar 2016	Aug 2016	15	91.000	Y		Sep 2013

^(†) indicates the presence of a P-21

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

Appropriation / Budget Activity / Budget Sub Activity: 2035A / 03 / 25	P-1 Line Item Number / Title: MA7804 / Cargo Aerial Del & Personnel Parachute Systems	Item Number / Title [DODIC]: MA7806 / Precision Airdrop
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Cost Elements <i>(Units in Each)</i>						Fiscal Year 2014												Fiscal Year 2015													
O C O	M F R #	FY	SERVICE	PROC QTY	ACCEPT PRIOR TO 1 OCT 2013	BAL DUE AS OF 1 OCT	Calendar Year 2014												Calendar Year 2015												B A L
							O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	
Hardware JPADS 2K BASE																															
Prior Years Deliveries: 248																															
	1	2014	ARMY	15	-	15																									
	2	2015	ARMY	85	-	85																									
✓	2	2016	ARMY	20	-	20																									
Hardware JPADS 10K																															
Prior Years Deliveries: 131																															
	3	2014	ARMY (XXIII)	70	-	70																									
	3	2015	ARMY (XXIV)	15	-	15																									
	3	2016	ARMY (XXV)	15	-	15																									
							O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	B A L

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

Appropriation / Budget Activity / Budget Sub Activity: 2035A / 03 / 25 **P-1 Line Item Number / Title:** MA7804 / Cargo Aerial Del & Personnel Parachute Systems **Item Number / Title [DODIC]:** MA7806 / Precision Airdrop

Cost Elements <i>(Units in Each)</i>					Fiscal Year 2016													Fiscal Year 2017																					
O C O	M F R #	FY	SERVICE	PROC QTY	ACCEPT PRIOR TO 1 OCT 2015	BAL DUE AS OF 1 OCT	Calendar Year 2016													Calendar Year 2017																			
							O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	B A L								
Hardware JPADS 2K BASE																																							
Prior Years Deliveries: 248																																							
	1	2014	ARMY	15	15	-																																-	
	2	2015	ARMY	85	30	55	15	15	15	10																												-	
	✓ 2	2016	ARMY	20	-	20																																-	
Hardware JPADS 10K																																							
Prior Years Deliveries: 131																																							
	3	2014	ARMY (XXIII)	70	70	-																																-	
	3	2015	ARMY (XXIV)	15	10	5																																	-
	3	2016	ARMY (XXV)	15	-	15																																	-
							O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	B A L								

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

Appropriation / Budget Activity / Budget Sub Activity: 2035A / 03 / 25	P-1 Line Item Number / Title: MA7804 / Cargo Aerial Del & Personnel Parachute Systems	Item Number / Title [DODIC]: MA7806 / Precision Airdrop
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MFR Ref #	MFR Name - Location	Production Rates (Each / Month)			Procurement Leadtime (Months)							
		MSR For 2016	1-8-5 For 2016	MAX For 2016	Initial				Reorder			
					ALT Prior to Oct 1	ALT After Oct 1	Mfg PLT	Total After Oct 1	ALT Prior to Oct 1	ALT After Oct 1	Mfg PLT	Total After Oct 1
1	Airborne Systems - Pennsauken, NJ	5	40	75	-	5	7	12	-	5	5	10
2	TBD - TBD	5	40	75	-	5	5	10	-	5	5	10
3	Airborne Systems - Pennsauken, NJ	5	40	75	-	5	9	14	-	5	5	10

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

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

Service/Agency Suffixes:

(XXIII) BASE

(XXIV) BASE

(XXV) BASE

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

Appropriation / Budget Activity / Budget Sub Activity: 2035A: Other Procurement, Army / BA 03: Other Support Equipment / BSA 25: Combat Service Support Equipment	P-1 Line Item Number / Title: R16500 / Mortuary Affairs Systems
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ID Code (A=Service Ready, B=Not Service Ready) :			Program Elements for Code B Items:					Other Related Program Elements:				
Resource Summary	Prior Years	FY 2014	FY 2015	FY 2016 Base	FY 2016 OCO	FY 2016 Total	FY 2017	FY 2018	FY 2019	FY 2020	To Complete	Total
Procurement Quantity (Units in Each)	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Cost (\$ in Millions)	80.281	3.242	-	-	-	-	-	-	-	-	Continuing	Continuing
Less PY Advance Procurement (\$ in Millions)	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P1) (\$ in Millions)	80.281	3.242	-	-	-	-	-	-	-	-	Continuing	Continuing
Plus CY Advance Procurement (\$ in Millions)	-	-	-	-	-	-	-	-	-	-	-	-
Total Obligation Authority (\$ in Millions)	80.281	3.242	-	-	-	-	-	-	-	-	Continuing	Continuing
<i>(The following Resource Summary rows are for informational purposes only. The corresponding budget requests are documented elsewhere.)</i>												
Initial Spares (\$ in Millions)	-	-	-	-	-	-	-	-	-	-	-	-
Flyaway Unit Cost (\$ in Thousands)	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Unit Cost (\$ in Thousands)	-	-	-	-	-	-	-	-	-	-	-	-

Description:

The Mobile Integrated Remains Collection System (MIRCS) provides a mobile facility for the initial processing and storage of human remains on the battlefield. It is a self-contained International Standard Organization (ISO) compatible shelter with a receiving/processing area, a refrigerated storage area for 16 remains, an administrative area, and storage compartments for operational supplies. It has an on-board power generator, running water, and wastewater storage. It has a screened overflow area to shield remains that are being temporarily stored until they can be processed by the Mortuary Affairs (MA) team. It includes all components necessary to deploy, move, and operate in support of the full spectrum of military and peacetime disaster support operations. The MIRCS transforms MA operations by providing a system that is responsive, deployable, agile, versatile, and sustainable. The MIRCS is transported on its own dedicated Heavy Expanded Mobile Tactical Truck (HEMTT) with a Load Handling System (LHS). The Army Acquisition Objective (AAO) for MIRCS is 174 systems.

The Human Remains Temperature Controlled Transfer Case (HRTC2) will provide means to safely transport remains from theater to Continental United States (CONUS) in a controlled temperature environment. The objective case will use an onboard refrigeration system to maintain internal temperatures. An improved Transfer case (ITC) with insulated walls, an internal temperature display, an on-board document storage compartment, an interface for a standard RFID tag and handles for lifting by up to eight personnel, will be procured as the initial increment under an evolutionary approach to acquire the objective capability as technology matures.

Secondary Distribution		FY 2014	FY 2015	FY 2016 Base	FY 2016 OCO	FY 2016 Total	FY 2017	FY 2018	FY 2019	FY 2020
Army	Quantity	-	-	-	-	-	-	-	-	-
	Total Obligation Authority	3.242	-	-	-	-	-	-	-	-
Total: Secondary Distribution	Quantity	-	-	-	-	-	-	-	-	-
	Total Obligation Authority	3.242	-	-	-	-	-	-	-	-

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

Appropriation / Budget Activity / Budget Sub Activity: 2035A: Other Procurement, Army / BA 03: Other Support Equipment / BSA 25: Combat Service Support Equipment	P-1 Line Item Number / Title: R16500 / Mortuary Affairs Systems
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ID Code (A=Service Ready, B=Not Service Ready) :			Program Elements for Code B Items:			Other Related Program Elements:		
Exhibits Schedule			Prior Years	FY 2014	FY 2015	FY 2016 Base	FY 2016 OCO	FY 2016 Total
Title*	Exhibits	ID CD	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)
M77700 / MOBILE INTEGRATED REMAINS COLLECTION SYSTEM	P-40a		- / 77.926	- / 0.100	- / -	- / -	- / -	- / -
R16505 / HUMAN REMAINS TEMPERATURE CONTROLLED TRANSFER CASE	P-40a		- / 2.355	- / 3.142	- / -	- / -	- / -	- / -
Total Gross/Weapon System Cost			- / 80.281	- / 3.242	- / -	- / -	- / -	- / -

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

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

Justification:
 There are no FY16 Base procurement dollars for Mortuary Affairs.

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.

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Exhibit P-40a, Budget Item Justification For Aggregated Items: PB 2016 Army															Date: February 2015				
Appropriation / Budget Activity / Budget Sub Activity: 2035A / 03 / 25						P-1 Line Item Number / Title: R16500 / Mortuary Affairs Systems									Aggregated Items Title: Various				

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

Item Number / Title [DODIC]	ID CD	MDAP/MAIS Code	Prior Years			FY 2014			FY 2015			FY 2016 Base			FY 2016 OCO			FY 2016 Total		
			Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)
MOBILE INTEGRATED REMAINS COLLECTION SYSTEM																				
M77700 / MOBILE INTEGRATED REMAINS COLLECTION SYSTEM			-	-	77.926	-	-	0.100	-	-	-	-	-	-	-	-	-	-	-	-
<i>Secondary Distribution</i>																				
Army				-	-		-	0.100		-	-		-	-		-	-		-	-
R16505 / HUMAN REMAINS TEMPERATURE CONTROLLED TRANSFER CASE			-	-	2.355	-	-	3.142	-	-	-	-	-	-	-	-	-	-	-	-
<i>Secondary Distribution</i>																				
Army				-	-		-	3.142		-	-		-	-		-	-		-	-
<i>Subtotal: MOBILE INTEGRATED REMAINS COLLECTION SYSTEM</i>			-	-	80.281	-	-	3.242	-	-	-	-	-	-	-	-	-	-	-	-
Total			-	-	80.281	-	-	3.242	-	-	-	-	-	-	-	-	-	-	-	-

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

Appropriation / Budget Activity / Budget Sub Activity: 2035A: Other Procurement, Army / BA 03: Other Support Equipment / BSA 25: Combat Service Support Equipment	P-1 Line Item Number / Title: R70001 / Family Of Engr Combat and Construction Sets
--	--

ID Code (A=Service Ready, B=Not Service Ready) : A		Program Elements for Code B Items:					Other Related Program Elements:					
Resource Summary	Prior Years	FY 2014	FY 2015	FY 2016 Base	FY 2016 OCO	FY 2016 Total	FY 2017	FY 2018	FY 2019	FY 2020	To Complete	Total
Procurement Quantity (<i>Units in Each</i>)	754	236	359	322	-	322	480	566	739	708	Continuing	Continuing
Gross/Weapon System Cost (<i>\$ in Millions</i>)	108.380	38.141	41.967	34.544	-	34.544	31.272	32.667	34.796	28.612	Continuing	Continuing
Less PY Advance Procurement (<i>\$ in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P1) (<i>\$ in Millions</i>)	108.380	38.141	41.967	34.544	-	34.544	31.272	32.667	34.796	28.612	Continuing	Continuing
Plus CY Advance Procurement (<i>\$ in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Total Obligation Authority (<i>\$ in Millions</i>)	108.380	38.141	41.967	34.544	-	34.544	31.272	32.667	34.796	28.612	Continuing	Continuing
<i>(The following Resource Summary rows are for informational purposes only. The corresponding budget requests are documented elsewhere.)</i>												
Initial Spares (<i>\$ in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Flyaway Unit Cost (<i>\$ in Thousands</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Unit Cost (<i>\$ in Thousands</i>)	143.740	161.614	116.900	107.280	-	107.280	65.150	57.716	47.085	40.412	Continuing	Continuing

Description:

The Family Of Engineering Combat and Construction Sets (ECACS) is a family of systems that will support operations by combat and construction engineer teams in urban and rural environments. ECACS sets utilized in urban environment will aid in detection, protection, surveillance, monitoring, evacuation and clearing. ECACS sets utilized in rural environments will allow clearing and troop mobility support areas to include airfields, ports, facilities, and roads.

The Engineer Equipment Set: Urban Operations, Platoon Set (UOpPS) consists of high technology equipment that provides Military personnel with enhanced capabilities to perform missions in urbanized or complex terrain. The components include thermal scopes, remote viewing instruments, detectors for explosives and gases, portable welders, metal cutting torches, rescue tools, mechanical entry tools, winch, and battery operated drills and saws. It provides engineers and others with specialized tools enabling them to conduct operations in urban environments in a safer, more expedient manner. The set will standardize tools, reducing logistical support and provide a Type Classified (TC)-standard Army system.
Army Acquisition Objective (AAO) for Urban Operations, Platoon Set (UOpPS) is 772.

The Engineer Equipment Set: Urban Operations, Squad Set (UOpSS) consists of low technology equipment that provides Soldiers with enhanced capabilities to perform missions in urbanized or complex terrain. Components include portal blast shield, collapsible lightweight assault ladders, mechanical entry tools, and rappelling gear. This set supports dismounted engineer Soldiers and others in conducting Military Operations in Urban Terrain (MOUT). The set will standardize tools, reducing logistical support and provide a Type Classified (TC)-standard Army system.
Army Acquisition Objective (AAO) for Urban Operations, Squad Set (UOpSS) is 1952.

The Engineer Equipment Set: Hydraulic Electric Pneumatic Petroleum Operated Equipment (HEPPOE) replaces two legacy systems through modernization, consolidation and optimization. The HEPPOE consists of 2 power units that provide hydraulic, electric and pneumatic power in conjunction with a rapid inventory 13 case tool load (Concrete Chain Saws, Hammer Drill, Sump Pump, Pavement Breakers, etc.) that will enhance the ability to operate in an urban area. More specifically, the HEPPOE supports combat and construction engineer tasks across the entire spectrum of the operation area such as clearing buildings for repair and construction, clearing areas around road constructions, port openings and any other urban areas that require operations.
Army Acquisition Objective (AAO) for Hydraulic Electric Pneumatic Petroleum Operated Equipment (HEPPOE) is 710.

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

Appropriation / Budget Activity / Budget Sub Activity: 2035A: Other Procurement, Army / BA 03: Other Support Equipment / BSA 25: Combat Service Support Equipment	P-1 Line Item Number / Title: R70001 / Family Of Engr Combat and Construction Sets
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ID Code (A=Service Ready, B=Not Service Ready) : A		Program Elements for Code B Items:				Other Related Program Elements:				
Secondary Distribution		FY 2014	FY 2015	FY 2016 Base	FY 2016 OCO	FY 2016 Total	FY 2017	FY 2018	FY 2019	FY 2020
Army	Quantity	94	150	134	-	134	268	337	455	445
	Total Obligation Authority	15.299	16.444	13.101	-	13.101	12.427	13.757	14.397	13.205
ANG	Quantity	81	147	132	-	132	168	193	248	235
	Total Obligation Authority	12.542	17.689	14.647	-	14.647	13.012	13.395	14.381	11.338
AR	Quantity	61	62	56	-	56	44	36	36	28
	Total Obligation Authority	10.300	7.834	6.796	-	6.796	5.833	5.515	6.018	4.069
Total:	Quantity	236	359	322	-	322	480	566	739	708
Secondary Distribution	Total Obligation Authority	38.141	41.967	34.544	-	34.544	31.272	32.667	34.796	28.612

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

Appropriation / Budget Activity / Budget Sub Activity: 2035A: Other Procurement, Army / BA 03: Other Support Equipment / BSA 25: Combat Service Support Equipment	P-1 Line Item Number / Title: R70001 / Family Of Engr Combat and Construction Sets
--	--

ID Code (A=Service Ready, B=Not Service Ready) : A			Program Elements for Code B Items:			Other Related Program Elements:		
Exhibits Schedule			Prior Years	FY 2014	FY 2015	FY 2016 Base	FY 2016 OCO	FY 2016 Total
Title*	Exhibits	ID CD	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)
R70110 / HEPPOE	P-5, P-5a, P-21	A	27 / 39.514	132 / 27.985	51 / 13.184	57 / 13.135	- / -	57 / 13.135
R70120 / URBAN OPERATIONS, PLATOON SET	P-5, P-5a, P-21	A	60 / 25.677	36 / 5.411	78 / 11.497	78 / 11.453	- / -	78 / 11.453
R70130 / URBAN OPERATIONS, SQUAD SET	P-5, P-5a, P-21	A	190 / 20.530	68 / 4.745	230 / 17.286	187 / 9.956	- / -	187 / 9.956
Total Gross/Weapon System Cost			754 / 108.380	236 / 38.141	359 / 41.967	322 / 34.544	- / -	322 / 34.544

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

Justification:
 FY16 Base funding in the amount of \$13.135 million procures 57 HEPPOE. The Engineer Equipment Set: Hydraulic-Electric-Pneumatic-Petroleum-Operated Equipment (HEPPOE) will enhance mission accomplishment by replacing outdated systems. Providing this soldier portable set will allow soldiers to increase capability to complete required missions, provide support to civil authorities, and deter/defeat hybrid threats in support of the Army Force Generation (ARFORGEN) process.

FY16 Base funding in the amount of \$11.453 million procures 78 Urban Operations Platoon Sets. The Engineer Equipment Set: Urban Operations, Platoon Set (UOpPS) uniquely fills capability gaps that exist at the platoon level for conducting operations in urban environments. The specialized high technology tools included in this kit provide engineers, infantry, military police and other military units with enhanced capability to conduct operations in urban environments in a safe and expeditious manner. This set will standardize the tools used for conducting urban operations thereby reducing logistical support and provide a Type Classified (TC)-standard Army system.

FY16 Base funding in the amount of \$9.956 million procures 187 Urban Operations Squad Sets. The Engineer Equipment Set: Urban Operations, Squad Set (UOpSS) uniquely fills capability gaps that exist at the squad level for conducting operations in urban environments. The specialized low technology tools included in this set provide engineers, infantry, military police and other military units with enhanced capability to conduct operations in urban environments in a safe and expeditious manner. This set will standardize the tools used for conducting urban operations thereby reducing logistical support and provide a Type Classified (TC)-Army system.

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.

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Exhibit P-5, Cost Analysis: PB 2016 Army		Date: February 2015
Appropriation / Budget Activity / Budget Sub Activity: 2035A / 03 / 25		P-1 Line Item Number / Title: R70001 / Family Of Engr Combat and Construction Sets
		Item Number / Title [DODIC]: R70110 / HEPPOE

ID Code (A=Service Ready, B=Not Service Ready) : A	MDAP/MAIS Code:
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Resource Summary	Prior Years	FY 2014	FY 2015	FY 2016 Base	FY 2016 OCO	FY 2016 Total
Procurement Quantity (Units in Each)	27	132	51	57	-	57
Gross/Weapon System Cost (\$ in Millions)	39.514	27.985	13.184	13.135	-	13.135
Less PY Advance Procurement (\$ in Millions)	-	-	-	-	-	-
Net Procurement (P1) (\$ in Millions)	39.514	27.985	13.184	13.135	-	13.135
Plus CY Advance Procurement (\$ in Millions)	-	-	-	-	-	-
Total Obligation Authority (\$ in Millions)	39.514	27.985	13.184	13.135	-	13.135

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

Initial Spares (\$ in Millions)	-	-	-	-	-	-
Gross/Weapon System Unit Cost (\$ in Thousands)	1,463.481	212.008	258.510	230.439	-	230.439

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

Cost Elements	Prior Years			FY 2014			FY 2015			FY 2016 Base			FY 2016 OCO			FY 2016 Total		
	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)
Flyaway Cost																		
Recurring Cost																		
Program Support	-	-	9.580	-	-	0.461	-	-	-	-	-	-	-	-	-	-	-	-
Program Management	-	-	4.971	-	-	0.496	-	-	1.205	-	-	0.769	-	-	-	-	-	0.769
Quality Assurance	-	-	0.975	-	-	0.048	-	-	0.104	-	-	0.048	-	-	-	-	-	0.048
Engineering	-	-	10.500	-	-	0.160	-	-	0.236	-	-	0.160	-	-	-	-	-	0.160
HEPPOE ^(†)	0.157	177	0.028	199.000	132	26.268	219.588	51	11.199	205.930	57	11.738	-	-	-	205.930	57	11.738
System Fielding Support	-	-	12.800	-	-	0.440	-	-	0.440	-	-	0.420	-	-	-	-	-	0.420
Transportation	-	-	0.661	-	-	0.112	-	-	-	-	-	-	-	-	-	-	-	-
<i>Subtotal: Recurring Cost</i>	-	-	39.515	-	-	27.985	-	-	13.184	-	-	13.135	-	-	-	-	-	13.135
<i>Subtotal: Flyaway Cost</i>	-	-	39.515	-	-	27.985	-	-	13.184	-	-	13.135	-	-	-	-	-	13.135
Gross/Weapon System Cost	1,463.481	27	39.514	212.008	132	27.985	258.510	51	13.184	230.439	57	13.135	-	-	-	230.439	57	13.135

Secondary Distribution		FY 2014	FY 2015	FY 2016 Base	FY 2016 OCO	FY 2016 Total
Army	Quantity	53	12	15	-	15
	Total Obligation Authority	11.237	3.414	3.375	-	3.375
ANG	Quantity	40	25	27	-	27
	Total Obligation Authority	8.480	6.216	6.217	-	6.217
AR	Quantity	39	14	15	-	15

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

Appropriation / Budget Activity / Budget Sub Activity: 2035A / 03 / 25	P-1 Line Item Number / Title: R70001 / Family Of Engr Combat and Construction Sets	Item Number / Title [DODIC]: R70110 / HEPPOE
--	--	--

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

	Secondary Distribution	FY 2014	FY 2015	FY 2016 Base	FY 2016 OCO	FY 2016 Total
	Total Obligation Authority	8.268	3.554	3.543	-	3.543
Total:	Quantity	132	51	57	-	57
Secondary Distribution	Total Obligation Authority	27.985	13.184	13.135	-	13.135

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

UNCLASSIFIED

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

Appropriation / Budget Activity / Budget Sub Activity: 2035A / 03 / 25	P-1 Line Item Number / Title: R70001 / Family Of Engr Combat and Construction Sets	Item Number / Title [DODIC]: R70110 / HEPPOE
--	--	--

Cost Elements	O C O	FY	Contractor and Location	Method/Type or Funding Vehicle	Location of PCO	Award Date	Date of First Delivery	Qty <i>(Each)</i>	Unit Cost <i>(\$ K)</i>	Specs Avail Now?	Date Revision Available	RFP Issue Date
HEPPOE ^(†)		2014	Kipper / Gainsville GA	C / FFP	TACOM, Warren, MI	Nov 2013	Feb 2014	132	199.000			
HEPPOE ^(†)		2015	Kipper / Gainsville GA	SS / FFP	TACOM, Warren, MI	Nov 2014	May 2015	51	219.588			
HEPPOE ^(†)		2016	Kipper / Gainsville GA	SS / FFP	TACOM, Warren, MI	Nov 2015	May 2016	57	205.930			

^(†) indicates the presence of a P-21

UNCLASSIFIED

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

Appropriation / Budget Activity / Budget Sub Activity: 2035A / 03 / 25 **P-1 Line Item Number / Title:** R70001 / Family Of Engr Combat and Construction Sets **Item Number / Title [DODIC]:** R70110 / HEPPOE

Cost Elements <i>(Units in Each)</i>						Fiscal Year 2014												Fiscal Year 2015																																				
O C C O	M F R #	FY	SERVICE	PROC QTY	ACCEPT PRIOR TO 1 OCT 2013	BAL DUE AS OF 1 OCT	Calendar Year 2014												Calendar Year 2015																																			
							O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	B A L																							
HEPPOE																																																						
Prior Years Deliveries: 177																																																						
1		2014	ARMY (XXVI)	132	-	132		A	-	-	-	11	11	11	11	11	11	11	11	11	11	11	11	11	11	11	11	11	11	4	4	2	1		-																			
1		2015	ARMY (XXVII)	51	-	51																												5	5	5	5	5	26															
1		2016	ARMY (XXVIII)	57	-	57																															57																	
<table border="1" style="width:100%; border-collapse: collapse;"> <thead> <tr> <th>O C C O</th> <th>N O V</th> <th>D E C</th> <th>J A N</th> <th>F E B</th> <th>M A R</th> <th>A P R</th> <th>M A Y</th> <th>J U N</th> <th>J U L</th> <th>A U G</th> <th>S E P</th> <th>O C T</th> <th>N O V</th> <th>D E C</th> <th>J A N</th> <th>F E B</th> <th>M A R</th> <th>A P R</th> <th>M A Y</th> <th>J U N</th> <th>J U L</th> <th>A U G</th> <th>S E P</th> <th>B A L</th> </tr> </thead> </table>																														O C C O	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	B A L
O C C O	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	B A L																														

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

Appropriation / Budget Activity / Budget Sub Activity: 2035A / 03 / 25 **P-1 Line Item Number / Title:** R70001 / Family Of Engr Combat and Construction Sets **Item Number / Title [DODIC]:** R70110 / HEPPOE

Cost Elements <i>(Units in Each)</i>						Fiscal Year 2016												Fiscal Year 2017													
O C C #	M F R #	FY	SERVICE	PROC QTY	ACCEPT PRIOR TO 1 OCT 2015	BAL DUE AS OF 1 OCT	Calendar Year 2016												Calendar Year 2017												
							O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	B A L
HEPPOE																															
Prior Years Deliveries: 177																															
1		2014	ARMY (XXVI)	132	132	-																									
1		2015	ARMY (XXVII)	51	25	26	5	4	4	4	4	3	2																		
1		2016	ARMY (XXVIII)	57	-	57		A	-	-	-	-	-	5	5	5	5	5	5	5	5	5	5	4	4	4					
							O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	B A L

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Exhibit P-21, Production Schedule: PB 2016 Army	Date: February 2015
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Appropriation / Budget Activity / Budget Sub Activity: 2035A / 03 / 25	P-1 Line Item Number / Title: R70001 / Family Of Engr Combat and Construction Sets	Item Number / Title [DODIC]: R70110 / HEPPOE
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MFR Ref #	MFR Name - Location	Production Rates (Each / Month)			Procurement Leadtime (Months)							
		MSR For 2016	1-8-5 For 2016	MAX For 2016	Initial			Reorder				
					ALT Prior to Oct 1	ALT After Oct 1	Mfg PLT	ALT Prior to Oct 1	ALT After Oct 1	Mfg PLT	Total After Oct 1	
1	Kipper - Gainsville GA	2	15	30	-	1	6	7	-	1	6	7

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

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

Service/Agency Suffixes:

- (XXVI) BASE
- (XXVII) BASE
- (XXVIII) BASE

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Exhibit P-5, Cost Analysis: PB 2016 Army		Date: February 2015
Appropriation / Budget Activity / Budget Sub Activity: 2035A / 03 / 25	P-1 Line Item Number / Title: R70001 / Family Of Engr Combat and Construction Sets	Item Number / Title [DODIC]: R70120 / URBAN OPERATIONS, PLATOON SET

ID Code (A=Service Ready, B=Not Service Ready) : A	MDAP/MAIS Code:
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Resource Summary	Prior Years	FY 2014	FY 2015	FY 2016 Base	FY 2016 OCO	FY 2016 Total
Procurement Quantity (Units in Each)	60	36	78	78	-	78
Gross/Weapon System Cost (\$ in Millions)	25.677	5.411	11.497	11.453	-	11.453
Less PY Advance Procurement (\$ in Millions)	-	-	-	-	-	-
Net Procurement (P1) (\$ in Millions)	25.677	5.411	11.497	11.453	-	11.453
Plus CY Advance Procurement (\$ in Millions)	-	-	-	-	-	-
Total Obligation Authority (\$ in Millions)	25.677	5.411	11.497	11.453	-	11.453

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

Initial Spares (\$ in Millions)	-	-	-	-	-	-
Gross/Weapon System Unit Cost (\$ in Thousands)	427.950	150.306	147.397	146.833	-	146.833

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

Cost Elements	Prior Years			FY 2014			FY 2015			FY 2016 Base			FY 2016 OCO			FY 2016 Total		
	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)
Flyaway Cost																		
Recurring Cost																		
Program Support	-	-	-	-	-	0.244	-	-	-	-	-	-	-	-	-	-	-	-
Program Management	-	-	2.612	-	-	0.570	-	-	0.747	-	-	0.853	-	-	-	-	-	0.853
Quality Assurance Support	-	-	0.540	-	-	0.025	-	-	0.050	-	-	0.012	-	-	-	-	-	0.012
Engineering Support	-	-	10.500	-	-	0.100	-	-	0.075	-	-	0.040	-	-	-	-	-	0.040
Urban Ops Platoon ^(†)	169.986	70	11.899	117.333	36	4.224	133.974	78	10.450	133.897	78	10.444	-	-	-	133.897	78	10.444
Transportation	-	-	-	-	-	0.048	-	-	-	-	-	-	-	-	-	-	-	-
System Fielding Support	-	-	0.126	-	-	0.200	-	-	0.175	-	-	0.105	-	-	-	-	-	0.105
Subtotal: Recurring Cost	-	-	25.677	-	-	5.411	-	-	11.497	-	-	11.454	-	-	-	-	-	11.454
Subtotal: Flyaway Cost	-	-	25.677	-	-	5.411	-	-	11.497	-	-	11.454	-	-	-	-	-	11.454
Gross/Weapon System Cost	427.950	60	25.677	150.306	36	5.411	147.397	78	11.497	146.833	78	11.453	-	-	-	146.833	78	11.453

Secondary Distribution		FY 2014	FY 2015	FY 2016 Base	FY 2016 OCO	FY 2016 Total
Army	Quantity	14	36	36	-	36
	Total Obligation Authority	2.164	5.292	5.302	-	5.302
ANG	Quantity	14	30	30	-	30
	Total Obligation Authority	2.164	4.441	4.454	-	4.454

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Exhibit P-5, Cost Analysis: PB 2016 Army		Date: February 2015
Appropriation / Budget Activity / Budget Sub Activity: 2035A / 03 / 25	P-1 Line Item Number / Title: R70001 / Family Of Engr Combat and Construction Sets	Item Number / Title [DODIC]: R70120 / URBAN OPERATIONS, PLATOON SET

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

Secondary Distribution		FY 2014	FY 2015	FY 2016 Base	FY 2016 OCO	FY 2016 Total
AR	Quantity	8	12	12	-	12
	Total Obligation Authority	1.083	1.764	1.697	-	1.697
Total: Secondary Distribution	Quantity	36	78	78	-	78
	Total Obligation Authority	5.411	11.497	11.453	-	11.453

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

UNCLASSIFIED

Exhibit P-5a, Procurement History and Planning: PB 2016 Army								Date: February 2015				
Appropriation / Budget Activity / Budget Sub Activity: 2035A / 03 / 25			P-1 Line Item Number / Title: R70001 / Family Of Engr Combat and Construction Sets					Item Number / Title [DODIC]: R70120 / URBAN OPERATIONS, PLATOON SET				
Cost Elements	O C O	FY	Contractor and Location	Method/Type or Funding Vehicle	Location of PCO	Award Date	Date of First Delivery	Qty (Each)	Unit Cost (\$ K)	Specs Avail Now?	Date Revision Available	RFP Issue Date
Urban Ops Platoon ^(†)		2014	KIPPER / Gainsville, GA	C / FFP	TACOM WARREN, MI	Nov 2013	Feb 2014	36	117.333			
Urban Ops Platoon ^(†)		2015	FEDERAL RESOURCES / Stevensville, MD	C / FFP	TACOM WARREN, MI	Nov 2014	Feb 2015	78	133.974			
Urban Ops Platoon ^(†)		2016	FEDERAL RESOURCES / Stevensville, MD	C / FFP	TACOM WARREN, MI	Nov 2015	Feb 2016	78	133.897			

^(†) indicates the presence of a P-21

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Exhibit P-21, Production Schedule: PB 2016 Army														Date: February 2015															
Appropriation / Budget Activity / Budget Sub Activity: 2035A / 03 / 25										P-1 Line Item Number / Title: R70001 / Family Of Engr Combat and Construction Sets										Item Number / Title [DODIC]: R70120 / URBAN OPERATIONS, PLATOON SET									

Cost Elements <i>(Units in Each)</i>						Fiscal Year 2014														Fiscal Year 2015															
O C C O	M F R #	FY	SERVICE	PROC QTY	ACCEPT PRIOR TO 1 OCT 2013	BAL DUE AS OF 1 OCT	Calendar Year 2014														Calendar Year 2015														
							O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	B A L				
Urban Ops Platoon																																			
Prior Years Deliveries: 70																																			
	1	2014	ARMY (XXIX)	36	-	36		A	-	-	-	5	4	4	4	3	3	3	2	2	2	2	2												-
	2	2015	ARMY (XXX)	78	-	78														A	-	-	-	7	7	7	7	7	7	7	7	7	7	7	22
	2	2016	ARMY (XXXI)	78	-	78																												78	
								O	N	D	J	F	M	A	M	J	J	A	S	O	N	D	J	F	M	A	M	J	J	A	S	B	A	L	
								C	O	E	A	E	A	A	A	U	U	U	E	C	O	O	D	J	F	M	A	M	J	J	A	S	T	A	L
								T	V	C	N	B	R	R	Y	N	L	G	P	T	V	C	N	B	R	R	Y	N	L	A	E	P	A	L	

UNCLASSIFIED

Exhibit P-21, Production Schedule: PB 2016 Army																							Date: February 2015									
Appropriation / Budget Activity / Budget Sub Activity: 2035A / 03 / 25											P-1 Line Item Number / Title: R70001 / Family Of Engr Combat and Construction Sets											Item Number / Title [DODIC]: R70120 / URBAN OPERATIONS, PLATOON SET										
Cost Elements <i>(Units in Each)</i>					Fiscal Year 2016													Fiscal Year 2017														
O C C O	M F R #	FY	SERVICE	PROC QTY	ACCEPT PRIOR TO 1 OCT 2015	BAL DUE AS OF 1 OCT	Calendar Year 2016													Calendar Year 2017												B A L
							O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P		
Urban Ops Platoon																																
Prior Years Deliveries: 70																																
	1	2014	ARMY (XXIX)	36	36	-																							-			
	2	2015	ARMY (XXX)	78	56	22	7	7	8																				-			
	2	2016	ARMY (XXXI)	78	-	78		A -	-	-	7	7	7	7	7	7	7	7	7	7	7	7	8						-			
							O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	B A L	

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Exhibit P-21, Production Schedule: PB 2016 Army		Date: February 2015
Appropriation / Budget Activity / Budget Sub Activity: 2035A / 03 / 25		P-1 Line Item Number / Title: R70001 / Family Of Engr Combat and Construction Sets
		Item Number / Title [DODIC]: R70120 / URBAN OPERATIONS, PLATOON SET

MFR Ref #	MFR Name - Location	Production Rates (Each / Month)			Procurement Leadtime (Months)							
		MSR For 2016	1-8-5 For 2016	MAX For 2016	Initial				Reorder			
					ALT Prior to Oct 1	ALT After Oct 1	Mfg PLT	Total After Oct 1	ALT Prior to Oct 1	ALT After Oct 1	Mfg PLT	Total After Oct 1
1	KIPPER - Gainsville, GA	4	15	25	-	-	-	-	1	2	-	2
2	FEDERAL RESOURCES - Stevensville, MD	4	15	25	-	-	-	-	1	2	-	2

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

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

Service/Agency Suffixes:

- (XXIX) BASE
- (XXX) BASE
- (XXXI) BASE

UNCLASSIFIED

Exhibit P-5, Cost Analysis: PB 2016 Army		Date: February 2015
Appropriation / Budget Activity / Budget Sub Activity: 2035A / 03 / 25	P-1 Line Item Number / Title: R70001 / Family Of Engr Combat and Construction Sets	Item Number / Title [DODIC]: R70130 / URBAN OPERATIONS, SQUAD SET

ID Code (A=Service Ready, B=Not Service Ready) : A	MDAP/MAIS Code:
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Resource Summary	Prior Years	FY 2014	FY 2015	FY 2016 Base	FY 2016 OCO	FY 2016 Total
Procurement Quantity (Units in Each)	190	68	230	187	-	187
Gross/Weapon System Cost (\$ in Millions)	20.530	4.745	17.286	9.956	-	9.956
Less PY Advance Procurement (\$ in Millions)	-	-	-	-	-	-
Net Procurement (P1) (\$ in Millions)	20.530	4.745	17.286	9.956	-	9.956
Plus CY Advance Procurement (\$ in Millions)	-	-	-	-	-	-
Total Obligation Authority (\$ in Millions)	20.530	4.745	17.286	9.956	-	9.956

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

Initial Spares (\$ in Millions)	-	-	-	-	-	-
Gross/Weapon System Unit Cost (\$ in Thousands)	108.053	69.779	75.157	53.241	-	53.241

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

Cost Elements	Prior Years			FY 2014			FY 2015			FY 2016 Base			FY 2016 OCO			FY 2016 Total		
	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)
Flyaway Cost																		
Recurring Cost																		
Program Support	-	-	2.060	-	-	0.528	-	-	-	-	-	-	-	-	-	-	-	-
Program Management	-	-	2.080	-	-	0.892	-	-	1.241	-	-	0.221	-	-	-	-	-	0.221
Engineering Support	-	-	2.431	-	-	0.060	-	-	0.200	-	-	0.100	-	-	-	-	-	0.100
Quality Assurance Support	-	-	2.800	-	-	0.016	-	-	0.200	-	-	0.018	-	-	-	-	-	0.018
Urban Ops Squad ^(†)	61.992	130	8.059	43.000	68	2.924	67.000	230	15.410	50.813	187	9.502	-	-	-	50.813	187	9.502
System Fielding Support	-	-	3.050	-	-	0.275	-	-	0.235	-	-	0.115	-	-	-	-	-	0.115
Transportation	-	-	0.050	-	-	0.050	-	-	-	-	-	-	-	-	-	-	-	-
Subtotal: Recurring Cost	-	-	20.530	-	-	4.745	-	-	17.286	-	-	9.956	-	-	-	-	-	9.956
Subtotal: Flyaway Cost	-	-	20.530	-	-	4.745	-	-	17.286	-	-	9.956	-	-	-	-	-	9.956
Gross/Weapon System Cost	108.053	190	20.530	69.779	68	4.745	75.157	230	17.286	53.241	187	9.956	-	-	-	53.241	187	9.956

Secondary Distribution	FY 2014	FY 2015	FY 2016 Base	FY 2016 OCO	FY 2016 Total
Army	27	102	83	-	83
	1.898	7.738	4.424	-	4.424
ANG	27	92	75	-	75
	1.898	7.032	3.976	-	3.976

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Exhibit P-5, Cost Analysis: PB 2016 Army		Date: February 2015
Appropriation / Budget Activity / Budget Sub Activity: 2035A / 03 / 25	P-1 Line Item Number / Title: R70001 / Family Of Engr Combat and Construction Sets	Item Number / Title [DODIC]: R70130 / URBAN OPERATIONS, SQUAD SET

ID Code (A=Service Ready, B=Not Service Ready) : A	MDAP/MAIS Code:
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Secondary Distribution		FY 2014	FY 2015	FY 2016 Base	FY 2016 OCO	FY 2016 Total
AR	Quantity	14	36	29	-	29
	Total Obligation Authority	0.949	2.516	1.556	-	1.556
Total:	Quantity	68	230	187	-	187
Secondary Distribution	Total Obligation Authority	4.745	17.286	9.956	-	9.956

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

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Exhibit P-5a, Procurement History and Planning: PB 2016 Army								Date: February 2015				
Appropriation / Budget Activity / Budget Sub Activity: 2035A / 03 / 25			P-1 Line Item Number / Title: R70001 / Family Of Engr Combat and Construction Sets					Item Number / Title [DODIC]: R70130 / URBAN OPERATIONS, SQUAD SET				
Cost Elements	O C O	FY	Contractor and Location	Method/Type or Funding Vehicle	Location of PCO	Award Date	Date of First Delivery	Qty (Each)	Unit Cost (\$ K)	Specs Avail Now?	Date Revision Available	RFP Issue Date
Urban Ops Squad ^(†)		2014	KIPPER / Gainsville	C / FFP	TACOM WARREN, MI	Mar 2014	Aug 2014	68	43.000			
Urban Ops Squad ^(†)		2015	FEDERAL RESOURCES / Stevensville, MD	C / FFP	TACOM WARREN, MI	Nov 2014	Oct 2015	230	67.000			
Urban Ops Squad ^(†)		2016	FEDERAL RESOURCES / Stevensville, MD	C / FFP	TACOM WARREN, MI	Nov 2015	Mar 2016	187	50.813			

^(†) indicates the presence of a P-21

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Exhibit P-21, Production Schedule: PB 2016 Army															Date: February 2015														
Appropriation / Budget Activity / Budget Sub Activity: 2035A / 03 / 25										P-1 Line Item Number / Title: R70001 / Family Of Engr Combat and Construction Sets										Item Number / Title [DODIC]: R70130 / URBAN OPERATIONS, SQUAD SET									

Cost Elements <i>(Units in Each)</i>						Fiscal Year 2016												Fiscal Year 2017													
O C C O	M F R #	FY	SERVICE	PROC QTY	ACCEPT PRIOR TO 1 OCT 2015	BAL DUE AS OF 1 OCT	Calendar Year 2016												Calendar Year 2017												
							O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	B A L
Urban Ops Squad																															
Prior Years Deliveries: 130																															
	1	2014	ARMY (XXXII)	68	68	-																									
	2	2015	ARMY (XXXIII)	230	-	230	19	19	19	19	19	19	19	19	19	19	19	19	19	19	19	19	19	19	19	19	19	19	21		
	2	2016	ARMY (XXXIV)	187	-	187		A	-	-	-	-	8	8	8	8	8	8	8	6	27	27	26	26	27						
							O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	B A L

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Exhibit P-21, Production Schedule: PB 2016 Army		Date: February 2015
Appropriation / Budget Activity / Budget Sub Activity: 2035A / 03 / 25		P-1 Line Item Number / Title: R70001 / Family Of Engr Combat and Construction Sets
Item Number / Title [DODIC]: R70130 / URBAN OPERATIONS, SQUAD SET		

MFR Ref #	MFR Name - Location	Production Rates (Each / Month)			Procurement Leadtime (Months)							
		MSR For 2016	1-8-5 For 2016	MAX For 2016	Initial				Reorder			
					ALT Prior to Oct 1	ALT After Oct 1	Mfg PLT	Total After Oct 1	ALT Prior to Oct 1	ALT After Oct 1	Mfg PLT	Total After Oct 1
1	KIPPER - Gainsville	10	15	27	1	2	3	5	-	-	-	-
2	FEDERAL RESOURCES - Stevensville, MD	10	15	27	1	2	3	5	-	-	-	-

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

Service/Agency Suffixes:
 (XXXII) BASE
 (XXXIII) BASE
 (XXXIV) BASE

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

Appropriation / Budget Activity / Budget Sub Activity: 2035A: Other Procurement, Army / BA 03: Other Support Equipment / BSA 25: Combat Service Support Equipment	P-1 Line Item Number / Title: ML5301 / Items Less Than \$5M (Eng Spt)
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ID Code (A=Service Ready, B=Not Service Ready) :		Program Elements for Code B Items:					Other Related Program Elements:					
Resource Summary	Prior Years	FY 2014	FY 2015	FY 2016 Base	FY 2016 OCO	FY 2016 Total	FY 2017	FY 2018	FY 2019	FY 2020	To Complete	Total
Procurement Quantity (Units in Each)	568	235	859	-	-	-	-	-	-	-	Continuing	Continuing
Gross/Weapon System Cost (\$ in Millions)	197.851	5.859	20.090	0.595	-	0.595	-	-	-	-	Continuing	Continuing
Less PY Advance Procurement (\$ in Millions)	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P1) (\$ in Millions)	197.851	5.859	20.090	0.595	-	0.595	-	-	-	-	Continuing	Continuing
Plus CY Advance Procurement (\$ in Millions)	-	-	-	-	-	-	-	-	-	-	-	-
Total Obligation Authority (\$ in Millions)	197.851	5.859	20.090	0.595	-	0.595	-	-	-	-	Continuing	Continuing
<i>(The following Resource Summary rows are for informational purposes only. The corresponding budget requests are documented elsewhere.)</i>												
Initial Spares (\$ in Millions)	-	-	-	-	-	-	-	-	-	-	-	-
Flyaway Unit Cost (\$ in Thousands)	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Unit Cost (\$ in Thousands)	348.329	24.932	23.388	595.000	-	595.000	-	-	-	-	Continuing	Continuing

Description:

Underwater Construction Set (UCS): The Underwater Construction Set (UCS) provides the MOS 12D Diver the tools and equipment required to support all Engineer Diving operations and will reduce the footprint of the legacy set from five individual containers (QUADCON) to four. The UCS includes the following packages: Salvage package used for lifting heavy debris and recovering objects up to 160,000 pounds; Cutting and welding package used for underwater and surface operations; Reconnaissance package with increased capability using Instrument Set, Reconnaissance and Surveying(ENFIRE); Hydraulic tool package used for construction/debris removal and cutting concrete, wood, and metal; and Hand tools and hardware package for surface construction and support tools. Army Acquisition Objective (AAO) for UCS is 5.

Firefighting Protection Equipment (FPE): The Firefighter Protection Equipment (FPE) is a superior fire fighting capability used in critical life and equipment saving situations due to Improvised Explosive Devices (IED) and battle damage. FPE is employed by soldiers as an immediate means to combat vehicle convoy fires and conduct rescue operations to extract trapped and injured soldiers from burning and damaged vehicles. FPE suppresses fires faster which will minimize fire damage and loss of equipment. The FPE set has been given a Joint Designator to support the Army as well as other services. FPE consists three types: Type 1 is a Soldier-portable fire fighting set; Type 2 is a skid mounted system, with dual side rails to enhance mobility, capable of being used as a ground or vehicle mounted set; Type 3 is a larger set capable of being mounted as a secondary load to army vehicles or trailers. All three types of FPE provide a superior fire suppression capability for convoy operations in all combat, garrison operations and in all terrain and conditions. FPE equipment supports mounted and dismounted soldiers by increasing fire fighting suppression capability at the immediate point of need. Army Acquisition Objective (AAO) is: Type I 9301, Type II 2048, Type III 543.

Firefighter Individual Requirements Equipment Set (FIRES): The Firefighter Individual Requirements Equipment Set (FIRES) is an assembly of standardized critical life saving fire fighting suits and equipment consisting of a Structural, Aircraft and Wildland fire fighting set to support the MOS 12M Army and Department of Defense (DoD) Firefighters. The FIRES equipment provides the Soldier/DoD Firefighter with the capability to safely conduct life, equipment and property saving fire fighting missions in all terrain, conditions, combat operations, garrison environments and disaster relief support. The FIRES has the deployability, transportability, versatility and functionality to support early entry expeditionary forces, counter- IED operations, and battle damaged equipment recovery. FIRES provides rapid fire fighting capability to commanders at Combat Operating Bases (COB), Forward Operating Bases (FOB) Camp/Station to support all military and sustainment operations. Army Acquisition Objective (AAO) for FIRES is 868.

Family of High Pressure Breathing Air Compressors (FoHPBAC): The Family of High Pressure Breathing Air Compressors (FoHPBAC) will provide pure breathing air in support of the Self Contained Underwater Breathing Apparatus (SCUBA), Surface Supplied Diving operations, Fire Fighting Missions, and Chemical operations. This set will serve to replace and modernize current equipment and provide current and safe technology for these critical life support systems and supports the following MOS: Engineer Diver (12D), Special Forces Diver (18 series), Rangers combat diver, and 21M Fire Fighters. The FoHPBAC is 100% commercial off the shelf and will consist of three different compressor variants: Type I 26 Cubic Feet per Minute (CFM), 5000 Pounds per Square Inch (PSI) compressor; Type II Diving 6.0 CFM 5000 PSI compressor; and Type II Fire 6.0 CFM 5000 PSI CFM 5000 PSI compressor with blast cabinet. Army Acquisition Objective (AAO) for FoHPBAC; Type I 12, Type II Diving 40, and Type II Fire 118.

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Exhibit P-40, Budget Line Item Justification: PB 2016 Army		Date: February 2015
Appropriation / Budget Activity / Budget Sub Activity: 2035A: Other Procurement, Army / BA 03: Other Support Equipment / BSA 25: Combat Service Support Equipment		P-1 Line Item Number / Title: ML5301 / Items Less Than \$5M (Eng Spt)
ID Code (A=Service Ready, B=Not Service Ready) :	Program Elements for Code B Items:	Other Related Program Elements:
<p>Family of Boats & Motors (FoBaM): The Family Boats and Motors (FoBaM) will replace current outdated legacy systems and support both engineer and special forces in a variety of operations such as: assault landings; reconnaissance and river crossing operations; infiltration and exfiltration; long-range surveillance; amphibious raid, surface swimming, dive, submarine, ravine, anti-mine, bridging, and air operations; underwater construction; underwater repair work; dam and pier repairs; light salvage; and humanitarian aid/disaster relief. The FoBaM will consist of a 3-Person Pneumatic Combat Reconnaissance Craft(P-CRC), 7-Person Inflatable Combat Raiding Craft (I-CRC), 15-Person Inflatable Combat Assault Craft (I-CAC), I-CRC Submersible Outboard Motor, I-CAC Submersible Outboard Motor, and a Rigid Inflatable Combat Support Craft (RI-CSC). Army Acquisition Objective (AAO) for FoBaM is: 7-person I-CRC 922, 15-person I-CAC 528, I-CRC Outboard Motor 922, I-CAC Outboard Motor 528, and RI-CSC 29. In FY16, funds in this program are realigned to Family of Boats and Motors, SSN R12001 for more efficient, effective program management.</p> <p>Deep Sea Set (DSS): The Deep Sea Set provides diver-worn critical life support and safety related equipment required to conduct surface supplied diving operations in accordance with all commercial and military safety standards. It includes a full helmet diving assembly that provides air, and protection from pollution, falling debris, and other hazards. It allows for communications with the surface in a dry environment, and is required equipment for construction, cutting and welding, and salvage operations. The set also includes an umbilical assembly that supplies breathing air, depth monitoring and a communications/strength member capable of supporting the diver's weight. The communications assembly allows three divers and the diving supervisor to communicate. The set can be used to a depth of 250 feet and is the only system that protects the diver while conducting heavy construction and salvage operations. Army Acquisition Objective (AAO) for DSS is 6. In FY16, funds for this program are realigned to Family of Diver Support Equipment, SSN R07005 for more efficient, effective program management.</p> <p>Diving Equipment: The critical life support and safety related sets include Underwater Construction Set; Underwater Photo Set; Supervisor, Propulsion, Emergency and Recovery Set (SPEARS) Set; Surface Swimmer Support Set; Individual Swimmer Support Set; Deep Sea Set; and Closed & Open Circuit Set. Engineer divers support Corps/Theater level operations as a force multiplier by performing current diving missions in South West Asia to include debris removal, bridge construction, salvage operations, underwater mine and explosive detection, and personnel recovery operations. Special operations dive teams use the sets for clandestine combat waterborne infiltration/ex-filtration and to aid in search and recovery operations.</p> <p>Pioneer Land Clearing and Building Erection Set: Provides safety equipment for working above ground and for chain saw operation. The set is configured with individual hand and pioneer tools to enable engineer squads to perform individual and collective tasks in a timely manner, such as construction of field fortifications and protective shelters; construction operations in restricted terrain, construction of individual Soldier and critical asset survivability positions; obstacle emplacement and obstacle marking. Army Acquisition Objective (AAO) for Pioneer Land Clearing and Building Erection set is 805.</p> <p>Vertical Skills Engineer Construction Kit (VSECK): The VSECK effort combines eight existing sets into a family of six systems which include hand and power tools used by carpenters, plumbers, pipefitters, electricians, and concrete & masonry craftsmen. VSECK systems leverage the latest in technological advances to support tactical missions providing means for security, stability, transition and reconstruction across Unified Land Operations. The family of VSECK enables Soldiers to efficiently respond to catastrophic events requiring humanitarian aid by enabling civil authority and shaping recovery efforts. Army Acquisition Objective (AAO) for VSECK is: Type 1 - Carpenters Tool Kit Squad (CTKS) 5,517; Type II - Carpenters Supplemental Tool Kit (CSTK) 830; Type III - Carpenters Tool Kit (CTK) 314; Type IV - Electricians Tool Kit (ETK) 928; Type V - Mason & Concrete Tool Kit (MCTK) 892; Type VI - Plumbers & Pipefitters Tool Kit (PPTK) 898. In FY17, VSECK will move to Engineer Combat and Construction Sets (ECACS), SSN R70001 for more efficient, effective program management.</p> <p>This buys a variety of critical life support equipment such as; diving equipment, fire supression sets, and soldier portable Engineer kits.</p>		

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

Appropriation / Budget Activity / Budget Sub Activity: 2035A: Other Procurement, Army / BA 03: Other Support Equipment / BSA 25: Combat Service Support Equipment	P-1 Line Item Number / Title: ML5301 / Items Less Than \$5M (Eng Spt)
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ID Code (A=Service Ready, B=Not Service Ready) :			Program Elements for Code B Items:			Other Related Program Elements:		
Exhibits Schedule			Prior Years	FY 2014	FY 2015	FY 2016 Base	FY 2016 OCO	FY 2016 Total
Title*	Exhibits	ID CD	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)
ML5301 / Items Less Than \$5M (Eng Spt)	P-5, P-5a		568 / 197.851	235 / 5.859	859 / 20.090	- / 0.595	- / -	- / 0.595
Total Gross/Weapon System Cost			568 / 197.851	235 / 5.859	859 / 20.090	- / 0.595	- / -	- / 0.595

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

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

Justification:
 FY16 Base procurement funding in the amount of \$.595 million supports 1 Underwater Construction Set. Providing Soldiers these systems will give them the capability to complete required missions, provide support to civil authorities, and deter and defeat hybrid threats in support of Army Force Generation (ARFORGEN) requirements.

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

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Exhibit P-5, Cost Analysis: PB 2016 Army		Date: February 2015
Appropriation / Budget Activity / Budget Sub Activity: 2035A / 03 / 25		P-1 Line Item Number / Title: ML5301 / Items Less Than \$5M (Eng Spt)
		Item Number / Title [DODIC]: ML5301 / Items Less Than \$5M (Eng Spt)

ID Code (A=Service Ready, B=Not Service Ready) :	MDAP/MAIS Code:
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Resource Summary	Prior Years	FY 2014	FY 2015	FY 2016 Base	FY 2016 OCO	FY 2016 Total
Procurement Quantity (Units in Each)	568	235	859	-	-	-
Gross/Weapon System Cost (\$ in Millions)	197.851	5.859	20.090	0.595	-	0.595
Less PY Advance Procurement (\$ in Millions)	-	-	-	-	-	-
Net Procurement (P1) (\$ in Millions)	197.851	5.859	20.090	0.595	-	0.595
Plus CY Advance Procurement (\$ in Millions)	-	-	-	-	-	-
Total Obligation Authority (\$ in Millions)	197.851	5.859	20.090	0.595	-	0.595

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

Initial Spares (\$ in Millions)	-	-	-	-	-	-
Gross/Weapon System Unit Cost (\$ in Thousands)	348.329	24.932	23.388	595.000	-	595.000

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

Cost Elements	Prior Years			FY 2014			FY 2015			FY 2016 Base			FY 2016 OCO			FY 2016 Total		
	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)
Hardware Cost																		
Recurring Cost																		
Firefighter Individual Requirements ^(†)	41.304	230	9.500	22.222	81	1.800	24.037	107	2.572	-	-	-	-	-	-	-	-	-
Deep Sea Set ^(†)	-	-	2.700	-	-	-	450.000	5	2.250	-	-	-	-	-	-	-	-	-
15 persn Inflatable Combat Assault Craft ^(†)	-	-	-	17.500	42	0.735	17.636	110	1.940	-	-	-	-	-	-	-	-	-
15 person I-CAC Outboard Motor ^(†)	-	-	-	26.548	42	1.115	26.750	32	0.856	-	-	-	-	-	-	-	-	-
7 person Inflatable Combat Raiding Craft ^(†)	-	-	-	13.780	59	0.813	13.867	294	4.077	-	-	-	-	-	-	-	-	-
7 person I-CRC Outboard Motor ^(†)	-	-	-	12.729	59	0.751	13.117	307	4.027	-	-	-	-	-	-	-	-	-
Underwater Construction Set ^(†)	-	-	5.498	-	-	-	603.000	4	2.412	561.000	1	0.561	-	-	-	561.000	1	0.561
FoHPBAC - Air Compressor Type I	54.000	12	0.648	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
FoHPBAC - Air Compressor Type II Fire	16.000	158	2.528	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

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Exhibit P-5, Cost Analysis: PB 2016 Army		Date: February 2015
Appropriation / Budget Activity / Budget Sub Activity: 2035A / 03 / 25	P-1 Line Item Number / Title: ML5301 / Items Less Than \$5M (Eng Spt)	Item Number / Title [DODIC]: ML5301 / Items Less Than \$5M (Eng Spt)

ID Code (A=Service Ready, B=Not Service Ready) :	MDAP/MAIS Code:
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Note: Subtotals or Totals in this Exhibit P-5 may not be exact or add, due to rounding.

Cost Elements	Prior Years			FY 2014			FY 2015			FY 2016 Base			FY 2016 OCO			FY 2016 Total		
	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)
FoHPBAC - Air Compressor Type II Diving	12.000	117	1.404	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Firefighting Protection Equipment	3.811	800	3.049	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Air Compressor (Diving)	-	-	15.000	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Pioneer Support Set W48074	-	-	5.687	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Pioneer Sapper Set W59240	101.827	52	5.295	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Pioneer Land Clring and Bldg Erect	29.897	224	6.697	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Hazard ID and Marking Set M49483	-	-	9.825	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Assault Boats-7 Manned	-	-	4.321	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Outboard Motors-7 Manned	-	-	4.321	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Assault Boats-15 Manned	-	-	4.321	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Outboard Motors-15 Manned	-	-	5.000	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Carpenter Support Tool Kit, CSTK	12.249	539	6.602	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
DES, Closed Circuit	23.000	45	1.035	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Hydraulic-Electric-Pneumatic-POE	210.237	76	15.978	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Urban Operations-Platoon Kit	11.460	954	10.933	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Urban Operations-Squad Set	18.879	174	3.285	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Pipefitters Kit	-	-	17.982	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Carpenter Tool Kit (CTK) - Squad	214.239	47	10.069	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Electrician Set W36977	53.875	200	10.775	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Plumbers Kit W49033	66.078	193	12.753	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Masonry and Concrete Set W44923	124.380	71	8.831	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

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Exhibit P-5, Cost Analysis: PB 2016 Army		Date: February 2015
Appropriation / Budget Activity / Budget Sub Activity: 2035A / 03 / 25	P-1 Line Item Number / Title: ML5301 / Items Less Than \$5M (Eng Spt)	Item Number / Title [DODIC]: ML5301 / Items Less Than \$5M (Eng Spt)
ID Code (A=Service Ready, B=Not Service Ready) :		MDAP/MAIS Code:

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

Cost Elements	Prior Years			FY 2014			FY 2015			FY 2016 Base			FY 2016 OCO			FY 2016 Total		
	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)
SDASS / BDASS	562.588	17	9.564	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Quality Assurance	-	-	1.450	-	-	0.075	-	-	0.270	-	-	0.010	-	-	-	-	-	0.010
Program Management	-	-	1.400	-	-	0.394	-	-	1.211	-	-	0.019	-	-	-	-	-	0.019
System Fielding Support	-	-	1.400	-	-	0.176	-	-	0.475	-	-	0.005	-	-	-	-	-	0.005
<i>Subtotal: Recurring Cost</i>	-	-	<i>197.851</i>	-	-	<i>5.859</i>	-	-	<i>20.090</i>	-	-	<i>0.595</i>	-	-	-	-	-	<i>0.595</i>
<i>Subtotal: Hardware Cost</i>	-	-	<i>197.851</i>	-	-	<i>5.859</i>	-	-	<i>20.090</i>	-	-	<i>0.595</i>	-	-	-	-	-	<i>0.595</i>
Gross/Weapon System Cost	348.329	568	197.851	24.932	235	5.859	23.388	859	20.090	595.000	-	0.595	-	-	-	595.000	-	0.595

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

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Exhibit P-5a, Procurement History and Planning: PB 2016 Army								Date: February 2015				
Appropriation / Budget Activity / Budget Sub Activity: 2035A / 03 / 25			P-1 Line Item Number / Title: ML5301 / Items Less Than \$5M (Eng Spt)					Item Number / Title [DODIC]: ML5301 / Items Less Than \$5M (Eng Spt)				
Cost Elements	O C O	FY	Contractor and Location	Method/Type or Funding Vehicle	Location of PCO	Award Date	Date of First Delivery	Qty (Each)	Unit Cost (\$ K)	Specs Avail Now?	Date Revision Available	RFP Issue Date
Firefighter Individual Requirements		2014	ADS INC. / Virigina Beach, VA	C / FFP	TACOM WARREN,MI	Mar 2014	Sep 2014	81	22.222			
Firefighter Individual Requirements		2015	ADS INC. / Virigina Beach, VA	C / FFP	TACOM WARREN,MI	Mar 2015	Sep 2015	107	24.037			
Deep Sea Set		2015	TBS / TBS	TBD	TACOM WARREN,MI	May 2015	Sep 2015	5	450.000			
15 persn Inflatable Combat Assault Craft		2014	ADS INC. / Virigina Beach, VA	C / FFP	TACOM WARREN,MI	Jun 2014	Sep 2014	42	17.500			
15 persn Inflatable Combat Assault Craft		2015	ADS INC. / Virigina Beach, VA	C / FFP	TACOM WARREN,MI	Oct 2014	Jan 2015	110	17.636			
15 person I-CAC Outboard Motor		2014	ADS INC. / Virigina Beach, VA	C / FFP	TACOM WARREN,MI	Jun 2014	Sep 2014	42	26.548			
15 person I-CAC Outboard Motor		2015	ADS INC. / Virigina Beach, VA	C / FFP	TACOM WARREN,MI	Oct 2014	Jan 2015	32	26.750			
7 person Inflatable Combat Raiding Craft		2014	ADS INC. / Virigina Beach, VA	C / FFP	TACOM WARREN,MI	Jun 2014	Sep 2014	59	13.780			
7 person Inflatable Combat Raiding Craft		2015	ADS INC. / Virigina Beach, VA	C / FFP	TACOM WARREN,MI	Oct 2014	Jan 2015	294	13.867			
7 person I-CRC Outboard Motor		2014	ADS INC. / Virigina Beach, VA	C / FFP	TACOM WARREN,MI	Jun 2014	Sep 2014	59	12.729			
7 person I-CRC Outboard Motor		2015	ADS INC. / Virigina Beach, VA	C / FFP	TACOM WARREN,MI	Oct 2014	Jan 2015	307	13.117			
Underwater Construction Set		2015	TBS / TBS	TBD	TACOM WARREN,MI	Nov 2014	Mar 2015	4	603.000			
Underwater Construction Set		2016	TBS / TBS	TBD	TACOM WARREN, MI	Nov 2015	Mar 2016	1	561.000			

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

Appropriation / Budget Activity / Budget Sub Activity: 2035A: Other Procurement, Army / BA 03: Other Support Equipment / BSA 30: Petroleum Equipment	P-1 Line Item Number / Title: MB6400 / QUALITY SURVEILLANCE EQUIPMENT
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ID Code (A=Service Ready, B=Not Service Ready) : A	Program Elements for Code B Items:						Other Related Program Elements:					
Resource Summary	Prior Years	FY 2014	FY 2015	FY 2016 Base	FY 2016 OCO	FY 2016 Total	FY 2017	FY 2018	FY 2019	FY 2020	To Complete	Total
Procurement Quantity (Units in Each)	14	-	1	4	-	4	4	5	5	-	-	33
Gross/Weapon System Cost (\$ in Millions)	127.952	-	1.435	5.368	-	5.368	5.428	6.979	6.729	-	-	153.891
Less PY Advance Procurement (\$ in Millions)	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P1) (\$ in Millions)	127.952	-	1.435	5.368	-	5.368	5.428	6.979	6.729	-	-	153.891
Plus CY Advance Procurement (\$ in Millions)	-	-	-	-	-	-	-	-	-	-	-	-
Total Obligation Authority (\$ in Millions)	127.952	-	1.435	5.368	-	5.368	5.428	6.979	6.729	-	-	153.891

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

Initial Spares (\$ in Millions)	-	-	-	-	-	-	-	-	-	-	-	-
Flyaway Unit Cost (\$ in Thousands)	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Unit Cost (\$ in Thousands)	9,139.429	-	1,435.000	1,342.000	-	1,342.000	1,357.000	1,395.800	1,345.800	-	-	4,663.364

Description:

Quality Surveillance Equipment is a family of petroleum and water laboratories used to evaluate the quality of military fuels and palatable water for our soldiers.

The Petroleum Quality Analysis System Enhanced (PQAS-E) is a fully integrated fuel laboratory installed in an environmentally controlled International Organization for Standardization (ISO) style shelter mounted on a XCK 2000E1 trailer with support equipment, supplies, and a tent. The PQAS-E is employed as the Army's single petroleum laboratory capable of performing all levels of quality surveillance tests throughout each echelon on the battlefield. The mission of the PQAS-E consists of testing fuels received through normal supply channels, locally procured from civil sources, and captured enemy stocks. The PQAS-E is capable of modified B-2 level testing in accordance with (IAW) Military Standard (MIL-STD) 3004 on kerosene based (e.g. Jet Propellant [JP] 5, JP-8, Jet A, Jet A-1) and diesel military mobility fuels. The shelter contains fuel test equipment (Automated Instrumentation System [AIS]), support equipment and supplies, an Environmental Control Unit (ECU), and an Auxiliary Power Unit (APU). System software provides an information database/expert system for the technician to consult in the interpretation of test results and in making recommendations for the disposition of fuels. The automated data acquisition features allow test data from instrumentation to be sent directly to the system software, which reduces data transcription errors and eliminates the need for hard-copy laboratory notebooks. The PQAS-E system is being built at Rock Island Arsenal. The Army Acquisition Objective (AAO) is 87 PQAS-E systems.

Secondary Distribution		FY 2014	FY 2015	FY 2016 Base	FY 2016 OCO	FY 2016 Total	FY 2017	FY 2018	FY 2019	FY 2020
Army	Quantity	-	-	2	-	2	2	2	3	-
	Total Obligation Authority	-	-	2.662	-	2.662	2.715	2.785	4.097	-
ANG	Quantity	-	-	1	-	1	2	3	2	-
	Total Obligation Authority	-	-	1.353	-	1.353	2.713	4.194	2.632	-
AR	Quantity	-	1	1	-	1	-	-	-	-
	Total Obligation Authority	-	1.435	1.353	-	1.353	-	-	-	-

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

Appropriation / Budget Activity / Budget Sub Activity: 2035A: Other Procurement, Army / BA 03: Other Support Equipment / BSA 30: Petroleum Equipment	P-1 Line Item Number / Title: MB6400 / QUALITY SURVEILLANCE EQUIPMENT
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ID Code (A=Service Ready, B=Not Service Ready) : A		Program Elements for Code B Items:				Other Related Program Elements:				
Secondary Distribution		FY 2014	FY 2015	FY 2016 Base	FY 2016 OCO	FY 2016 Total	FY 2017	FY 2018	FY 2019	FY 2020
Total:	Quantity	-	1	4	-	4	4	5	5	-
Secondary Distribution	Total Obligation Authority	-	1.435	5.368	-	5.368	5.428	6.979	6.729	-

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

Appropriation / Budget Activity / Budget Sub Activity: 2035A: Other Procurement, Army / BA 03: Other Support Equipment / BSA 30: Petroleum Equipment	P-1 Line Item Number / Title: MB6400 / QUALITY SURVEILLANCE EQUIPMENT
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ID Code (A=Service Ready, B=Not Service Ready) : A			Program Elements for Code B Items:			Other Related Program Elements:		
Exhibits Schedule			Prior Years	FY 2014	FY 2015	FY 2016 Base	FY 2016 OCO	FY 2016 Total
Title*	Exhibits	ID CD	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)
R67500 / PETROLEUM QUALITY ANALYSIS SYSTEM	P-5, P-5a, P-21		14 / 127.952	- / -	1 / 1.435	4 / 5.368	- / -	4 / 5.368
Total Gross/Weapon System Cost			14 / 127.952	- / -	1 / 1.435	4 / 5.368	- / -	4 / 5.368

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

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

Justification:

FY16 Base funding in the amount of \$5.368 million procures four Petroleum Quality Analysis System Enhanced (PQAS-E) to support the Modular Brigades and enhances the Petroleum and Water Quartermaster (QM) Warfighting Capabilities. The Army procured the original Army Acquisition Objective (AAO) of 68 PQAS-E systems. Based on Army restructuring the new AAO has increased to 87 PQAS-E systems. Quality surveillance of bulk fuel is critical to aviation and ground mobility equipment. The PQAS-E gives bulk petroleum quality surveillance capability down to brigade level in a flexible, responsive, mobile lab mounted on an XCK 2000E1 5-ton trailer. The PQAS-E is required for conducting quality tests on kerosene based and diesel fuels thus ensuring quality surveillance on the battlefield. This will help assure U.S. Armed Ground Forces' strategic responsiveness and its global force projection. The fuels that we put in our warfighting platforms must meet purity standards or it can cause equipment to be non-mission capable.

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Exhibit P-5, Cost Analysis: PB 2016 Army		Date: February 2015
Appropriation / Budget Activity / Budget Sub Activity: 2035A / 03 / 30		P-1 Line Item Number / Title: MB6400 / QUALITY SURVEILLANCE EQUIPMENT
		Item Number / Title [DODIC]: R67500 / PETROLEUM QUALITY ANALYSIS SYSTEM

ID Code (A=Service Ready, B=Not Service Ready) :	MDAP/MAIS Code:
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Resource Summary	Prior Years	FY 2014	FY 2015	FY 2016 Base	FY 2016 OCO	FY 2016 Total
Procurement Quantity (Units in Each)	14	-	1	4	-	4
Gross/Weapon System Cost (\$ in Millions)	127.952	-	1.435	5.368	-	5.368
Less PY Advance Procurement (\$ in Millions)	-	-	-	-	-	-
Net Procurement (P1) (\$ in Millions)	127.952	-	1.435	5.368	-	5.368
Plus CY Advance Procurement (\$ in Millions)	-	-	-	-	-	-
Total Obligation Authority (\$ in Millions)	127.952	-	1.435	5.368	-	5.368

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

Initial Spares (\$ in Millions)	-	-	-	-	-	-
Gross/Weapon System Unit Cost (\$ in Thousands)	9,139.429	-	1,435.000	1,342.000	-	1,342.000

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

Cost Elements	Prior Years			FY 2014			FY 2015			FY 2016 Base			FY 2016 OCO			FY 2016 Total		
	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)
Flyaway Cost																		
Recurring Cost																		
PQAS-E ^(†)	1,200.000	14	16.800	-	-	-	1,300.000	1	1.300	1,300.000	4	5.200	-	-	-	1,300.000	4	5.200
Engineering Changes	-	-	10.652	-	-	-	-	-	0.020	-	-	0.020	-	-	-	-	-	0.020
System Engineering/Program Management	-	-	54.200	-	-	-	-	-	0.065	-	-	0.062	-	-	-	-	-	0.062
System Test & Evaluation/Production	-	-	5.000	-	-	-	-	-	0.010	-	-	0.016	-	-	-	-	-	0.016
Training	-	-	7.500	-	-	-	-	-	0.005	-	-	0.015	-	-	-	-	-	0.015
Data	-	-	6.500	-	-	-	-	-	0.010	-	-	0.010	-	-	-	-	-	0.010
Support Equipment	-	-	2.300	-	-	-	-	-	0.005	-	-	0.020	-	-	-	-	-	0.020
Fielding	-	-	25.000	-	-	-	-	-	0.020	-	-	0.025	-	-	-	-	-	0.025
<i>Subtotal: Recurring Cost</i>	-	-	127.952	-	-	-	-	-	1.435	-	-	5.368	-	-	-	-	-	5.368
<i>Subtotal: Flyaway Cost</i>	-	-	127.952	-	-	-	-	-	1.435	-	-	5.368	-	-	-	-	-	5.368
Gross/Weapon System Cost	9,139.429	14	127.952	-	-	-	1,435.000	1	1.435	1,342.000	4	5.368	-	-	-	1,342.000	4	5.368

Secondary Distribution		FY 2014	FY 2015	FY 2016 Base	FY 2016 OCO	FY 2016 Total
Army	Quantity	-	-	2	-	2
	Total Obligation Authority	-	-	2.662	-	2.662
ANG	Quantity	-	-	1	-	1

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Exhibit P-5, Cost Analysis: PB 2016 Army		Date: February 2015
Appropriation / Budget Activity / Budget Sub Activity: 2035A / 03 / 30	P-1 Line Item Number / Title: MB6400 / QUALITY SURVEILLANCE EQUIPMENT	Item Number / Title [DODIC]: R67500 / PETROLEUM QUALITY ANALYSIS SYSTEM

ID Code (A=Service Ready, B=Not Service Ready) :	MDAP/MAIS Code:
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Secondary Distribution		FY 2014	FY 2015	FY 2016 Base	FY 2016 OCO	FY 2016 Total
	Total Obligation Authority	-	-	1.353	-	1.353
AR	Quantity	-	1	1	-	1
	Total Obligation Authority	-	1.435	1.353	-	1.353
Total:	Quantity	-	1	4	-	4
Secondary Distribution	Total Obligation Authority	-	1.435	5.368	-	5.368

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

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Exhibit P-5a, Procurement History and Planning: PB 2016 Army							Date: February 2015					
Appropriation / Budget Activity / Budget Sub Activity: 2035A / 03 / 30			P-1 Line Item Number / Title: MB6400 / QUALITY SURVEILLANCE EQUIPMENT				Item Number / Title [DODIC]: R67500 / PETROLEUM QUALITY ANALYSIS SYSTEM					
Cost Elements	O C O	FY	Contractor and Location	Method/Type or Funding Vehicle	Location of PCO	Award Date	Date of First Delivery	Qty <i>(Each)</i>	Unit Cost <i>(\$ K)</i>	Specs Avail Now?	Date Revision Available	RFP Issue Date
PQAS-E ^(†)		2015	Rock Island Arsenal / IL	MIPR	Rock Island, IL	Jun 2015	Jan 2016	1	1,300.000	N		
PQAS-E ^(†)		2016	Rock Island Arsenal / IL	MIPR	Rock Island, IL	Jan 2016	May 2016	4	1,300.000	N		

^(†) indicates the presence of a P-21

Remarks:
The minimum sustainment rate is one PQAS-E per 7 months.

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Exhibit P-21, Production Schedule: PB 2016 Army				Date: February 2015				
Appropriation / Budget Activity / Budget Sub Activity: 2035A / 03 / 30			P-1 Line Item Number / Title: MB6400 / QUALITY SURVEILLANCE EQUIPMENT				Item Number / Title [DODIC]: R67500 / PETROLEUM QUALITY ANALYSIS SYSTEM	

MFR Ref #	MFR Name - Location	Production Rates (Each / Month)			Procurement Leadtime (Months)							
		MSR For 2016	1-8-5 For 2016	MAX For 2016	Initial			Reorder				
					ALT Prior to Oct 1	ALT After Oct 1	Mfg PLT	ALT Prior to Oct 1	ALT After Oct 1	Mfg PLT	Total After Oct 1	
1	Rock Island Arsenal - IL	1	2	3	-	9	7	16	-	-	-	-
2	Rock Island Arsenal - IL	1	2	3	-	-	-	-	-	4	7	11

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

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

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

Appropriation / Budget Activity / Budget Sub Activity: 2035A: Other Procurement, Army / BA 03: Other Support Equipment / BSA 30: Petroleum Equipment	P-1 Line Item Number / Title: MA6000 / Distribution Systems, Petroleum & Water
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ID Code (A=Service Ready, B=Not Service Ready) :			Program Elements for Code B Items:					Other Related Program Elements:				
Resource Summary	Prior Years	FY 2014	FY 2015	FY 2016 Base	FY 2016 OCO	FY 2016 Total	FY 2017	FY 2018	FY 2019	FY 2020	To Complete	Total
Procurement Quantity <i>(Units in Each)</i>	935	416	590	438	-	438	443	413	401	309	-	3,945
Gross/Weapon System Cost <i>(\$ in Millions)</i>	434.829	42.288	40.692	35.381	-	35.381	37.949	42.169	39.112	40.843	-	713.263
Less PY Advance Procurement <i>(\$ in Millions)</i>	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P1) <i>(\$ in Millions)</i>	434.829	42.288	40.692	35.381	-	35.381	37.949	42.169	39.112	40.843	-	713.263
Plus CY Advance Procurement <i>(\$ in Millions)</i>	-	-	-	-	-	-	-	-	-	-	-	-
Total Obligation Authority <i>(\$ in Millions)</i>	434.829	42.288	40.692	35.381	-	35.381	37.949	42.169	39.112	40.843	-	713.263
<i>(The following Resource Summary rows are for informational purposes only. The corresponding budget requests are documented elsewhere.)</i>												
Initial Spares <i>(\$ in Millions)</i>	-	-	-	-	-	-	-	-	-	-	-	-
Flyaway Unit Cost <i>(\$ in Thousands)</i>	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Unit Cost <i>(\$ in Thousands)</i>	465.058	101.654	68.969	80.779	-	80.779	85.664	102.104	97.536	132.178	-	180.802

Description:

The Family of Petroleum and Water Distribution Systems supports both the Army Equipment Modernization Strategy 2016 and the Army of 2025, along with the Army's mission to supply bulk fuel and water, at the operational and tactical levels, to all Department of Defense (DoD) forces in the various worldwide Joint Operations Area. The systems supports aircraft refueling, ground vehicles, and other Army equipment. Distribution Systems are comprised of hoses, pumps, tanks, filter separators, fittings, couplings, and nozzles.

The Modular Fuel System (MFS), Tank Rack Module (TRM) is a 2,500 gallon mobile storage and distribution platform. It is configured in a 20 foot ISO frame with integrated bale bar and is Heavy Expanded Mobility Tactical Truck-Load Handling System (HEMTT-LHS), Palletized Load Handling System (PLS) and PLS Trailer transportable. The MFS-TRM has a Stand-Alone Retail Capability (S-ARC) with its integrated continuous use electric pump, filter separator and flow meter. It can be operated while truck or trailer mounted or on the ground. The MFS-TRM can also be coupled with the HEMTT Tanker to form a highly mobile 5,000 gallon distribution platform within Brigade Combat Teams. Fourteen MFS-TRMs and two Pumprack Modules form the full Modular Fuel System, which provides the ability to rapidly establish a fuel distribution and storage capability at any location regardless of the availability of construction equipment or material handling equipment. The Army Acquisition Objective (AAO) is 3,143 TRMs.

The Modular Fuel System (MFS), Pumprack Module (PRM) is fuel pumping capability for use with Tankrack Modules (TRM) or Collapsible Fabric Storage Tanks to create a bulk fuel storage and distribution system. The MFS-PRM is configured in a 20 foot ISO frame with integrated bale bar and is HEMTT-LHS, PLS and PLS Trailer Transportable. It has a 600 gallon per minute pump, filter separator, and on board storage with sufficient hoses, fittings and nozzles for eight bulk or retail refueling points. The MFS-PRM and MFS-TRM provide the ability to rapidly establish a fuel distribution and storage capability at any location regardless of the availability of construction equipment or material handling equipment. The full MFS consists of one PRMs and 7 each 2,500 gallon TRMs. The Army Acquisition Objective (AAO) is 27 PRMs.

The Load Handling System (LHS) Compatible Water Tank Racks System (Hippo) is a 2000 gallon potable water tank. It is configured in a 20 foot ISO frame with integrated bale bar and is Heavy Expanded Mobility Tactical Truck-Load Handling System (HEMTT-LHS), Palletized Load Handling System (PLS) and PLS Trailer transportable. The HIPPO can distribute to multiple locations or be placed on the ground/off-loaded to establish a water supply point. It is outfitted with a water pump, hose reel, and filling station. It is used for bulk load and discharge, retail distribution, and bulk storage of potable water. Hippos will replace the Semi-trailer Mounted Fabric Tank (SMFT) and most Forward Area Water Point Supply Systems (FAWPSS). The Army Acquisition Objective (AAO) is 2,911 HIPPO systems.

The Expeditionary Water Packaging System (EWPS) is a completely containerized fully automated water packaging system that fills and caps one-liter bottles with potable water for individual Soldier consumption. The EWPS features end-to-end automated production (e.g. loading pre-forms, stretch blow molding of pre-forms into bottles, filling, capping, and labeling) within a closed, hygienic environment. It is capable of filling, at a minimum, 900 one-liter plastic bottles per hour. The EWPS is powered by multiple sources to include standard military or commercial generator sets. The finished bottles are palletized for shipment. The EWPS provides the following three main benefits: (1) reduces distribution footprint for bottled water and casualties associated with linehaul distribution; (2) provides inherent safety and health

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

Appropriation / Budget Activity / Budget Sub Activity: 2035A: Other Procurement, Army / BA 03: Other Support Equipment / BSA 30: Petroleum Equipment	P-1 Line Item Number / Title: MA6000 / Distribution Systems, Petroleum & Water
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ID Code (A=Service Ready, B=Not Service Ready) :	Program Elements for Code B Items:	Other Related Program Elements:
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benefits over bulk systems through reduction of Soldier contamination at bulk system fill points; (3) minimizes the cost associated with procuring and transporting bottled water. The Army Acquisition Objective (AAO) is 30 EWPS systems.

The Camel II is an 800 gallon baffled hard-walled stainless steel water tank mounted on a 5-Ton M1095 Medium Tactical Vehicle (MTV) trailer. It includes retail dispensing hardware comprised of the hoses and fittings necessary to gravity dispense water. The Camel II also includes integrated freeze protection that can be powered by external sources. The Camel II will partially replace the M149 and M1112 (400 gallon) potable water trailers within Field Feeding Units with Containerized Kitchens (CKs). The increase from 400-gallons to 800-gallons in capacity will decrease the frequency of water refill requirements by reducing the number of resupplies required per day. The Camel II will provide a CK with a greater capacity for carrying one full day of supply (DOS) of potable water required, approximately 1.92 gallons/person/day (gpd), for field feeding (two Unitized Group Rations [UGRs] and one Meal, Ready to Eat [MRE] per day). Current and emerging doctrine dictates the need for a combat enabler that increases unit level storage and DOS capabilities on the battlefield. Camel II will interface with the MTV 5-ton Truck as the prime mover and is operationally compatible with existing and future water purification, transport, and distribution systems. The design of Camel II Increment One includes an allowance for the space and weight necessary for the add-on capability of Increment Two, which includes a modular unit capable of water chilling, circulation, pumping (self load/unload), and power generation. The Army Acquisition Objective (AAO) is 488 CAMEL IIs.

Secondary Distribution		FY 2014	FY 2015	FY 2016 Base	FY 2016 OCO	FY 2016 Total	FY 2017	FY 2018	FY 2019	FY 2020
Army	Quantity	142	255	118	-	118	260	235	231	142
	Total Obligation Authority	13.711	17.889	13.631	-	13.631	24.643	29.549	27.470	29.996
ANG	Quantity	239	298	260	-	260	167	155	128	123
	Total Obligation Authority	26.924	19.733	17.250	-	17.250	12.333	11.288	9.092	8.069
AR	Quantity	35	37	60	-	60	16	23	42	44
	Total Obligation Authority	1.653	3.070	4.500	-	4.500	0.973	1.332	2.550	2.778
Total:	Quantity	416	590	438	-	438	443	413	401	309
Secondary Distribution	Total Obligation Authority	42.288	40.692	35.381	-	35.381	37.949	42.169	39.112	40.843

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

Appropriation / Budget Activity / Budget Sub Activity: 2035A: Other Procurement, Army / BA 03: Other Support Equipment / BSA 30: Petroleum Equipment	P-1 Line Item Number / Title: MA6000 / Distribution Systems, Petroleum & Water
--	--

ID Code (A=Service Ready, B=Not Service Ready) :			Program Elements for Code B Items:			Other Related Program Elements:		
Exhibits Schedule			Prior Years	FY 2014	FY 2015	FY 2016 Base	FY 2016 OCO	FY 2016 Total
Title*	Exhibits	ID CD	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)
R02600 / Modular Fuel System (MFS)	P-5, P-5a, P-21	A	55 / 148.876	100 / 15.676	451 / 26.729	274 / 16.134	- / -	274 / 16.134
R02670 / EXPEDITIONARY WATER PACKAGING SYSTEM (EWPS)	P-40a		- / -	- / -	1 / 1.615	2 / 3.001	- / -	2 / 3.001
R38101 / Unit Water Pod System (Camel)	P-40a	B	- / 83.238	- / -	- / -	3 / 1.817	- / -	3 / 1.817
R38100 / HIPPO WATER DISTRIBUTION SYSTEM	P-5, P-5a, P-21	A	880 / 196.804	316 / 26.612	138 / 12.348	159 / 14.429	- / -	159 / 14.429
Total Gross/Weapon System Cost			935 / 434.829	416 / 42.288	590 / 40.692	438 / 35.381	- / -	438 / 35.381

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

Justification:

FY16 Base funding in the amount of \$35.381 million supports the procurement of the Modular Fuel System (MFS) Tank Rack Modules (TRMs), Hippo Water Distribution Systems, Expeditionary Water Packaging Systems (EWPS) and Unit Water Pod System (CAMEL II). The Army is the executive agent for the Management of Land-Based Water Resources in support of Contingency Operations and has responsibility for all inland distribution of fuel and water to include support to other services. Distribution Systems support the Stryker Brigade Combat Teams (SBCTs), Brigade Combat Teams, Field Artillery, Maneuver Enhancement Brigades, and the Petroleum and Water Quartermaster (QM) modular force warfighting capabilities. These systems are the Army's primary means of distributing and issuing retail and bulk petroleum and water. The Army cannot fight without clean fuel and water. These systems enable the Army to achieve its transformation vision by providing highly mobile and self-sustaining equipment to hostile theaters of operation. The ability to rapidly, efficiently, and safely distribute fuel on the battlefield is a critical combat enabler. Funding supports a balanced investment strategy for the Army's approved force structure and Army Force Generation (ARFORGEN) requirements.

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Exhibit P-5, Cost Analysis: PB 2016 Army		Date: February 2015
Appropriation / Budget Activity / Budget Sub Activity: 2035A / 03 / 30	P-1 Line Item Number / Title: MA6000 / Distribution Systems, Petroleum & Water	Item Number / Title [DODIC]: R02600 / Modular Fuel System (MFS)

ID Code (A=Service Ready, B=Not Service Ready) : A	MDAP/MAIS Code:
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Resource Summary	Prior Years	FY 2014	FY 2015	FY 2016 Base	FY 2016 OCO	FY 2016 Total
Procurement Quantity (Units in Each)	55	100	451	274	-	274
Gross/Weapon System Cost (\$ in Millions)	148.876	15.676	26.729	16.134	-	16.134
Less PY Advance Procurement (\$ in Millions)	-	-	-	-	-	-
Net Procurement (P1) (\$ in Millions)	148.876	15.676	26.729	16.134	-	16.134
Plus CY Advance Procurement (\$ in Millions)	-	-	-	-	-	-
Total Obligation Authority (\$ in Millions)	148.876	15.676	26.729	16.134	-	16.134

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

Initial Spares (\$ in Millions)	-	-	-	-	-	-
Gross/Weapon System Unit Cost (\$ in Thousands)	2,706.836	156.760	59.266	58.883	-	58.883

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

Cost Elements	Prior Years			FY 2014			FY 2015			FY 2016 Base			FY 2016 OCO			FY 2016 Total		
	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)
Flyaway Cost																		
Recurring Cost																		
Pump Rack Modules ^(f)	-	-	-	-	-	-	-	-	-	450.000	3	1.350	-	-	-	450.000	3	1.350
Tank Rack Modules ^(f)	140.000	825	115.500	47.000	100	4.700	48.000	451	21.648	49.000	271	13.279	-	-	-	49.000	271	13.279
Engineering Changes	-	-	4.182	-	-	2.600	-	-	0.725	-	-	0.355	-	-	-	-	-	0.355
System Engineering/ Program Management	-	-	17.586	-	-	2.800	-	-	2.100	-	-	0.650	-	-	-	-	-	0.650
System Test & Evaluation, Production	-	-	3.392	-	-	1.576	-	-	0.600	-	-	0.100	-	-	-	-	-	0.100
Training	-	-	1.142	-	-	0.850	-	-	0.300	-	-	0.050	-	-	-	-	-	0.050
Data	-	-	0.490	-	-	0.750	-	-	0.456	-	-	0.050	-	-	-	-	-	0.050
Support Equipment	-	-	2.592	-	-	0.650	-	-	0.200	-	-	0.048	-	-	-	-	-	0.048
Fielding	-	-	3.992	-	-	1.750	-	-	0.700	-	-	0.252	-	-	-	-	-	0.252
<i>Subtotal: Recurring Cost</i>	-	-	148.876	-	-	15.676	-	-	26.729	-	-	16.134	-	-	-	-	-	16.134
<i>Subtotal: Flyaway Cost</i>	-	-	148.876	-	-	15.676	-	-	26.729	-	-	16.134	-	-	-	-	-	16.134
Gross/Weapon System Cost	2,706.836	55	148.876	156.760	100	15.676	59.266	451	26.729	58.883	274	16.134	-	-	-	58.883	274	16.134

Secondary Distribution		FY 2014	FY 2015	FY 2016 Base	FY 2016 OCO	FY 2016 Total
Army	Quantity	50	228	46	-	46
	Total Obligation Authority	7.838	13.923	2.714	-	2.714

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

Appropriation / Budget Activity / Budget Sub Activity: 2035A / 03 / 30	P-1 Line Item Number / Title: MA6000 / Distribution Systems, Petroleum & Water	Item Number / Title [DODIC]: R02600 / Modular Fuel System (MFS)
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ID Code (A=Service Ready, B=Not Service Ready) : A **MDAP/MAIS Code:**

Secondary Distribution		FY 2014	FY 2015	FY 2016 Base	FY 2016 OCO	FY 2016 Total
ANG	Quantity	50	216	198	-	198
	Total Obligation Authority	7.838	12.406	11.650	-	11.650
AR	Quantity	-	7	30	-	30
	Total Obligation Authority	-	0.400	1.770	-	1.770
Total:	Quantity	100	451	274	-	274
Secondary Distribution	Total Obligation Authority	15.676	26.729	16.134	-	16.134

(†) indicates the presence of a P-5a

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

Appropriation / Budget Activity / Budget Sub Activity: 2035A / 03 / 30	P-1 Line Item Number / Title: MA6000 / Distribution Systems, Petroleum & Water	Item Number / Title [DODIC]: R02600 / Modular Fuel System (MFS)
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Cost Elements	O C O	FY	Contractor and Location	Method/Type or Funding Vehicle	Location of PCO	Award Date	Date of First Delivery	Qty <i>(Each)</i>	Unit Cost <i>(\$ K)</i>	Specs Avail Now?	Date Revision Available	RFP Issue Date
Pump Rack Modules ^(†)		2016	PRM / TBD	SS / FFP	TACOM	Nov 2015	Oct 2016	3	450.000	N		
Tank Rack Modules ^(†)		2014	ISOMETRICS - TRM / Reidsville, NC	C / FFP	TACOM	Sep 2014	Jun 2015	100	47.000	N		
Tank Rack Modules		2015	ISOMETRICS - TRM / Reidsville, NC	C / FFP	TACOM	Mar 2015	Nov 2015	451	48.000	N		
Tank Rack Modules		2016	ISOMETRICS - TRM / Reidsville, NC	C / FFP	TACOM	Feb 2016	Sep 2016	271	49.000	N		

^(†) indicates the presence of a P-21

Remarks:
The Justification and Approval (J&A) is in the approval process.

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

Appropriation / Budget Activity / Budget Sub Activity: 2035A / 03 / 30	P-1 Line Item Number / Title: MA6000 / Distribution Systems, Petroleum & Water	Item Number / Title [DODIC]: R02600 / Modular Fuel System (MFS)
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MFR Ref #	MFR Name - Location	Production Rates (Each / Month)			Procurement Leadtime (Months)								
		MSR For 2016	1-8-5 For 2016	MAX For 2016	Initial				Reorder				
					ALT Prior to Oct 1	ALT After Oct 1	Mfg PLT	Total After Oct 1	ALT Prior to Oct 1	ALT After Oct 1	Mfg PLT	Total After Oct 1	
1	PRM - TBD	1	8	10	-	2	11	13	-	-	-	-	
2	ISOMETRICS - TRM - Reidsville, NC	15	32	45	-	-	-	-	-	-	12	9	21

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

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

Service/Agency Suffixes:

(XXXV) BASE

(XXXVI) BASE

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Exhibit P-40a, Budget Item Justification For Aggregated Items: PB 2016 Army															Date: February 2015				
Appropriation / Budget Activity / Budget Sub Activity: 2035A / 03 / 30						P-1 Line Item Number / Title: MA6000 / Distribution Systems, Petroleum & Water									Aggregated Items Title: Various				

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

Item Number / Title [DODIC]	ID CD	MDAP/MAIS Code	Prior Years			FY 2014			FY 2015			FY 2016 Base			FY 2016 OCO			FY 2016 Total		
			Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)
EXPEDITIONARY WATER PACKAGING SYSTEM (EWPS)																				
R02670 / EXPEDITIONARY WATER PACKAGING SYSTEM (EWPS)			-	-	-	-	-	-	1,615.000	1	1.615	1,500.500	2	3.001	-	-	-	1,500.500	2	3.001
<i>Secondary Distribution</i>																				
Army			-	-	-	-	-	-	-	1	1.615	-	2	3.001	-	-	-	-	2	3.001
R38101 / Unit Water Pod System (Camel)	B		-	-	83.238	-	-	-	-	-	-	605.667	3	1.817	-	-	-	605.667	3	1.817
<i>Secondary Distribution</i>																				
Army			-	-	-	-	-	-	-	-	-	-	3	1.817	-	-	-	-	3	1.817
ANG			-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
AR			-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
<i>Subtotal:</i>																				
EXPEDITIONARY WATER PACKAGING SYSTEM (EWPS)			-	-	83.238	-	-	-	-	-	1.615	-	-	4.818	-	-	-	-	-	4.818
Total			-	-	83.238	-	-	-	-	-	1.615	-	-	4.818	-	-	-	-	-	4.818

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Exhibit P-5, Cost Analysis: PB 2016 Army		Date: February 2015
Appropriation / Budget Activity / Budget Sub Activity: 2035A / 03 / 30	P-1 Line Item Number / Title: MA6000 / Distribution Systems, Petroleum & Water	Item Number / Title [DODIC]: R38100 / HIPPO WATER DISTRIBUTION SYSTEM

ID Code (A=Service Ready, B=Not Service Ready) : A	MDAP/MAIS Code:
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Resource Summary	Prior Years	FY 2014	FY 2015	FY 2016 Base	FY 2016 OCO	FY 2016 Total
Procurement Quantity (Units in Each)	880	316	138	159	-	159
Gross/Weapon System Cost (\$ in Millions)	196.804	26.612	12.348	14.429	-	14.429
Less PY Advance Procurement (\$ in Millions)	-	-	-	-	-	-
Net Procurement (P1) (\$ in Millions)	196.804	26.612	12.348	14.429	-	14.429
Plus CY Advance Procurement (\$ in Millions)	-	-	-	-	-	-
Total Obligation Authority (\$ in Millions)	196.804	26.612	12.348	14.429	-	14.429

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

Initial Spares (\$ in Millions)	-	-	-	-	-	-
Gross/Weapon System Unit Cost (\$ in Thousands)	223.641	84.215	89.478	90.748	-	90.748

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

Cost Elements	Prior Years			FY 2014			FY 2015			FY 2016 Base			FY 2016 OCO			FY 2016 Total		
	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)
Flyaway Cost																		
Recurring Cost																		
HIPPO ^(†)	143.000	880	125.840	78.000	316	24.648	78.000	138	10.764	82.000	159	13.038	-	-	-	82.000	159	13.038
Engineering Changes	-	-	6.690	-	-	0.300	-	-	0.225	-	-	0.226	-	-	-	-	-	0.226
System Engineering/ Program Management	-	-	25.050	-	-	0.750	-	-	0.609	-	-	0.650	-	-	-	-	-	0.650
System Test & Evaluation, Production	-	-	8.912	-	-	0.300	-	-	0.200	-	-	0.140	-	-	-	-	-	0.140
Training	-	-	8.000	-	-	0.056	-	-	0.100	-	-	0.075	-	-	-	-	-	0.075
Data	-	-	7.294	-	-	0.058	-	-	0.150	-	-	0.050	-	-	-	-	-	0.050
Support Equipment	-	-	7.518	-	-	0.200	-	-	0.100	-	-	0.050	-	-	-	-	-	0.050
Fielding	-	-	7.500	-	-	0.300	-	-	0.200	-	-	0.200	-	-	-	-	-	0.200
<i>Subtotal: Recurring Cost</i>	-	-	196.804	-	-	26.612	-	-	12.348	-	-	14.429	-	-	-	-	-	14.429
<i>Subtotal: Flyaway Cost</i>	-	-	196.804	-	-	26.612	-	-	12.348	-	-	14.429	-	-	-	-	-	14.429
Gross/Weapon System Cost	223.641	880	196.804	84.215	316	26.612	89.478	138	12.348	90.748	159	14.429	-	-	-	90.748	159	14.429

Secondary Distribution		FY 2014	FY 2015	FY 2016 Base	FY 2016 OCO	FY 2016 Total
Army	Quantity	92	26	67	-	67
	Total Obligation Authority	5.873	2.351	6.099	-	6.099
ANG	Quantity	189	82	62	-	62

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Exhibit P-5, Cost Analysis: PB 2016 Army		Date: February 2015
Appropriation / Budget Activity / Budget Sub Activity: 2035A / 03 / 30	P-1 Line Item Number / Title: MA6000 / Distribution Systems, Petroleum & Water	Item Number / Title [DODIC]: R38100 / HIPPO WATER DISTRIBUTION SYSTEM

ID Code (A=Service Ready, B=Not Service Ready) : A	MDAP/MAIS Code:
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Secondary Distribution		FY 2014	FY 2015	FY 2016 Base	FY 2016 OCO	FY 2016 Total
	Total Obligation Authority	19.086	7.327	5.600	-	5.600
AR	Quantity	35	30	30	-	30
	Total Obligation Authority	1.653	2.670	2.730	-	2.730
Total: Secondary Distribution	Quantity	316	138	159	-	159
	Total Obligation Authority	26.612	12.348	14.429	-	14.429

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

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Exhibit P-5a, Procurement History and Planning: PB 2016 Army							Date: February 2015					
Appropriation / Budget Activity / Budget Sub Activity: 2035A / 03 / 30			P-1 Line Item Number / Title: MA6000 / Distribution Systems, Petroleum & Water				Item Number / Title [DODIC]: R38100 / HIPPO WATER DISTRIBUTION SYSTEM					

Cost Elements	O C O	FY	Contractor and Location	Method/Type or Funding Vehicle	Location of PCO	Award Date	Date of First Delivery	Qty <i>(Each)</i>	Unit Cost <i>(\$ K)</i>	Specs Avail Now?	Date Revision Available	RFP Issue Date
HIPPO ^(†)		2014	The Entwistle Company / Danville, VA	C / IDDQ	TACOM	Sep 2014	Oct 2015	316	78.000			
HIPPO		2015	The Entwistle Company / Danville, VA	C / IDDQ	TACOM	Dec 2014	Jul 2016	138	78.000	N		
HIPPO		2016	The Entwistle Company / Danville, VA	C / IDDQ	TACOM	Jan 2016	Oct 2016	159	82.000	N		

^(†) indicates the presence of a P-21

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Exhibit P-21, Production Schedule: PB 2016 Army																							Date: February 2015									
Appropriation / Budget Activity / Budget Sub Activity: 2035A / 03 / 30										P-1 Line Item Number / Title: MA6000 / Distribution Systems, Petroleum & Water										Item Number / Title [DODIC]: R38100 / HIPPO WATER DISTRIBUTION SYSTEM												
Cost Elements <i>(Units in Each)</i>						Fiscal Year 2014													Fiscal Year 2015													
O C C #	M F R #	FY	SERVICE	PROC QTY	ACCEPT PRIOR TO 1 OCT 2013	BAL DUE AS OF 1 OCT	Calendar Year 2014													Calendar Year 2015												
							O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	B A L	
HIPPO																																
Prior Years Deliveries: 880																																
1	2014	ARMY (XXXVII)		316	-	316												A	-	-	-	-	-	-	-	-	-	-	316			
							O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	B A L	

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Exhibit P-21, Production Schedule: PB 2016 Army																								Date: February 2015																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																															
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Exhibit P-21, Production Schedule: PB 2016 Army		Date: February 2015
Appropriation / Budget Activity / Budget Sub Activity: 2035A / 03 / 30		P-1 Line Item Number / Title: MA6000 / Distribution Systems, Petroleum & Water
		Item Number / Title [DODIC]: R38100 / HIPPO WATER DISTRIBUTION SYSTEM

MFR Ref #	MFR Name - Location	Production Rates (Each / Month)			Procurement Leadtime (Months)							
		MSR For 2016	1-8-5 For 2016	MAX For 2016	Initial			Reorder				
					ALT Prior to Oct 1	ALT After Oct 1	Mfg PLT	ALT Prior to Oct 1	ALT After Oct 1	Mfg PLT	Total After Oct 1	
1	The Entwistle Company - Danville, VA	15	30	35	-	12	13	25	-	-	-	-

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

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

Service/Agency Suffixes:

(XXXVII) BASE

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

Appropriation / Budget Activity / Budget Sub Activity: 2035A: Other Procurement, Army / BA 03: Other Support Equipment / BSA 40: Medical Equipment	P-1 Line Item Number / Title: MN1000 / Combat Support Medical
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ID Code (A=Service Ready, B=Not Service Ready) :		Program Elements for Code B Items:					Other Related Program Elements:					
Resource Summary	Prior Years	FY 2014	FY 2015	FY 2016 Base	FY 2016 OCO	FY 2016 Total	FY 2017	FY 2018	FY 2019	FY 2020	To Complete	Total
Procurement Quantity (Units in Each)	876	1,673	2,649	5,971	-	5,971	3,143	4,131	7,022	3,557	Continuing	Continuing
Gross/Weapon System Cost (\$ in Millions)	1,137.064	52.233	46.957	73.828	-	73.828	44.847	43.822	48.608	35.528	Continuing	Continuing
Less PY Advance Procurement (\$ in Millions)	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P1) (\$ in Millions)	1,137.064	52.233	46.957	73.828	-	73.828	44.847	43.822	48.608	35.528	Continuing	Continuing
Plus CY Advance Procurement (\$ in Millions)	-	-	-	-	-	-	-	-	-	-	-	-
Total Obligation Authority (\$ in Millions)	1,137.064	52.233	46.957	73.828	-	73.828	44.847	43.822	48.608	35.528	Continuing	Continuing
<i>(The following Resource Summary rows are for informational purposes only. The corresponding budget requests are documented elsewhere.)</i>												
Initial Spares (\$ in Millions)	-	-	-	-	-	-	-	-	-	-	-	-
Flyaway Unit Cost (\$ in Thousands)	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Unit Cost (\$ in Thousands)	1,298.018	31.221	17.726	12.364	-	12.364	14.269	10.608	6.922	9.988	Continuing	Continuing

Description:

Combat Support Medical represents the equipping component of a broad band of operational medical and health service support (hospitalization, combat stress, dental, veterinary, optical, and preventive medicine) capabilities that promote, improve, conserve, and restore the mental and physical well being of warfighters across the range of military operations. The equipping component is illustrative of the technologically advanced medical/surgical equipment, medical materiel, and nonmedical equipment required in our Combat, Combat Support and Combat Service Support force structure.

Combat Support Medical equips the Army's medical personnel to provide medical and rehabilitative care from first responder, to forward resuscitative care, to theater hospitalization, and en route care in the Joint Area of Operations.

Combat Support Medical modernizes, converts, and recapitalizes the Army Medical Department's (AMEDD's) Table of Organizational Equipment (TOE) force structure with deployable medical platforms. These combat service support systems support medical force structure at all echelons of care. This program resources the acquisition of all categories of medical equipment including surgical, combat stress, medical evacuation, dental, laboratory, radiology, optometry and new medical technology.

The equipment supports the capabilities of the AMEDD field units to support the Army's full spectrum of operations including offensive, defensive, stability and support and Chemical, Biological, Radiological, Nuclear, and high yield Explosives (CBRNE) Consequence Management Response Force (CCMRF).

Secondary Distribution		FY 2014	FY 2015	FY 2016 Base	FY 2016 OCO	FY 2016 Total	FY 2017	FY 2018	FY 2019	FY 2020
Army	Quantity	843	1,817	3,520	-	3,520	1,577	1,708	4,635	2,383
	Total Obligation Authority	22.533	24.336	46.583	-	46.583	18.444	20.278	26.029	31.069
ANG	Quantity	473	353	1,897	-	1,897	391	1,748	1,167	1,077
	Total Obligation Authority	21.651	11.052	22.098	-	22.098	12.218	12.688	11.968	3.770

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

Appropriation / Budget Activity / Budget Sub Activity: 2035A: Other Procurement, Army / BA 03: Other Support Equipment / BSA 40: Medical Equipment	P-1 Line Item Number / Title: MN1000 / Combat Support Medical
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ID Code (A=Service Ready, B=Not Service Ready) :		Program Elements for Code B Items:				Other Related Program Elements:				
Secondary Distribution		FY 2014	FY 2015	FY 2016 Base	FY 2016 OCO	FY 2016 Total	FY 2017	FY 2018	FY 2019	FY 2020
AR	Quantity	357	479	554	-	554	1,175	675	1,220	97
	Total Obligation Authority	8.049	11.569	5.147	-	5.147	14.185	10.856	10.611	0.689
Total: Secondary Distribution	Quantity	1,673	2,649	5,971	-	5,971	3,143	4,131	7,022	3,557
	Total Obligation Authority	52.233	46.957	73.828	-	73.828	44.847	43.822	48.608	35.528

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

Appropriation / Budget Activity / Budget Sub Activity: 2035A: Other Procurement, Army / BA 03: Other Support Equipment / BSA 40: Medical Equipment	P-1 Line Item Number / Title: MN1000 / Combat Support Medical
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ID Code (A=Service Ready, B=Not Service Ready) :			Program Elements for Code B Items:			Other Related Program Elements:		
Exhibits Schedule			Prior Years	FY 2014	FY 2015	FY 2016 Base	FY 2016 OCO	FY 2016 Total
Title*	Exhibits	ID CD	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)
G13010 / MEDEVAC Misson Equipment Package (MEP)	P-5, P-5a, P-21		- / -	94 / 31.900	30 / 14.138	50 / 23.840	- / -	50 / 23.840
MB1100 / FIELD MEDICAL EQUIPMENT - Medical ASIOE	P-5, P-5a		774 / 653.566	1,579 / 20.333	2,619 / 32.819	5,921 / 49.988	- / -	5,921 / 49.988
Total Gross/Weapon System Cost			876 / 1,137.064	1,673 / 52.233	2,649 / 46.957	5,971 / 73.828	- / -	5,971 / 73.828

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

Justification:
 FY2016 Base Procurement dollars in the amount of \$74 million procures medical equipment and materiel to support the AMEDD's balanced investment strategy for the Army's approved force structure and Army Force Generation (ARFORGEN) requirements. It provides advanced medical equipment necessary to ensure essential care of combat casualties throughout the range of military operations and includes all care and treatment necessary to return casualties to duty (within the theater evacuation policy) or begin initial treatment and stabilization.

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Exhibit P-5, Cost Analysis: PB 2016 Army		Date: February 2015
Appropriation / Budget Activity / Budget Sub Activity: 2035A / 03 / 40		P-1 Line Item Number / Title: MN1000 / Combat Support Medical
		Item Number / Title [DODIC]: G13010 / MEDEVAC Misson Equipment Package (MEP)

ID Code (A=Service Ready, B=Not Service Ready) :	MDAP/MAIS Code:
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Resource Summary	Prior Years	FY 2014	FY 2015	FY 2016 Base	FY 2016 OCO	FY 2016 Total
Procurement Quantity (Units in Each)	-	94	30	50	-	50
Gross/Weapon System Cost (\$ in Millions)	-	31.900	14.138	23.840	-	23.840
Less PY Advance Procurement (\$ in Millions)	-	-	-	-	-	-
Net Procurement (P1) (\$ in Millions)	-	31.900	14.138	23.840	-	23.840
Plus CY Advance Procurement (\$ in Millions)	-	-	-	-	-	-
Total Obligation Authority (\$ in Millions)	-	31.900	14.138	23.840	-	23.840

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

Initial Spares (\$ in Millions)	-	-	-	-	-	-
Gross/Weapon System Unit Cost (\$ in Thousands)	-	339.362	471.267	476.800	-	476.800

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

Cost Elements	Prior Years			FY 2014			FY 2015			FY 2016 Base			FY 2016 OCO			FY 2016 Total		
	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)
Flyaway Cost																		
Recurring Cost																		
Medical Mission Sensor FLIR ^(†)	-	-	-	597.450	42	25.093	564.700	20	11.294	562.060	36	20.234	-	-	-	562.060	36	20.234
<i>Subtotal: Recurring Cost</i>	-	-	-	-	-	25.093	-	-	11.294	-	-	20.234	-	-	-	-	-	20.234
Non Recurring Cost																		
Interim Patient Handling System (IMSS) ^(†)	-	-	-	147.980	46	6.807	284.400	10	2.844	257.570	14	3.606	-	-	-	257.570	14	3.606
<i>Subtotal: Non Recurring Cost</i>	-	-	-	-	-	6.807	-	-	2.844	-	-	3.606	-	-	-	-	-	3.606
<i>Subtotal: Flyaway Cost</i>	-	-	-	-	-	31.900	-	-	14.138	-	-	23.840	-	-	-	-	-	23.840
Gross/Weapon System Cost	-	-	-	339.362	94	31.900	471.267	30	14.138	476.800	50	23.840	-	-	-	476.800	50	23.840

Secondary Distribution		FY 2014	FY 2015	FY 2016 Base	FY 2016 OCO	FY 2016 Total
Army	Quantity	38	11	18	-	18
	Total Obligation Authority	11.962	5.299	8.996	-	8.996
ANG	Quantity	56	19	32	-	32
	Total Obligation Authority	19.938	8.839	14.844	-	14.844
Total:	Quantity	94	30	50	-	50

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Exhibit P-5, Cost Analysis: PB 2016 Army		Date: February 2015
Appropriation / Budget Activity / Budget Sub Activity: 2035A / 03 / 40	P-1 Line Item Number / Title: MN1000 / Combat Support Medical	Item Number / Title [DODIC]: G13010 / MEDEVAC Mission Equipment Package (MEP)

ID Code (A=Service Ready, B=Not Service Ready) :	MDAP/MAIS Code:
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Secondary Distribution		FY 2014	FY 2015	FY 2016 Base	FY 2016 OCO	FY 2016 Total
Secondary Distribution	Total Obligation Authority	31.900	14.138	23.840	-	23.840

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

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Exhibit P-5a, Procurement History and Planning: PB 2016 Army							Date: February 2015					
Appropriation / Budget Activity / Budget Sub Activity: 2035A / 03 / 40			P-1 Line Item Number / Title: MN1000 / Combat Support Medical				Item Number / Title [DODIC]: G13010 / MEDEVAC Mission Equipment Package (MEP)					
Cost Elements	O C O	FY	Contractor and Location	Method/Type or Funding Vehicle	Location of PCO	Award Date	Date of First Delivery	Qty (Each)	Unit Cost (\$ K)	Specs Avail Now?	Date Revision Available	RFP Issue Date
Medical Mission Sensor FLIR ^(†)		2016	FLIR Systems, Inc. / Portland Oregon	SS / FFP	USACC, Redstone Arsenal, AL	Oct 2013	Oct 2015	36	562.060	N		
Interim Patient Handling System (IMMSS) ^(†)		2016	Air Methods Corp / Denver, Colorado	SS / FFP	USACC, Redstone Arsenal, AL	Oct 2013	Jan 2016	14	257.570	N		

^(†) indicates the presence of a P-21

Remarks:

The Interim MEDEVAC Mission Support System (IMMSS) is a patient handling system that includes seat pallets, seats, interior components, and a litter lift system. Includes the Smart Window – This new window will replace the older bubble window on the cargo door, and the Internal Communications System (ICS) Relocation Kit - the ICS must be located further to the rear of the helicopter to accommodate the new interior design. The MEDEVAC Mission Sensor (MMS) is a Forward Looking Infra-Red (FLIR) sensor that will be used as a patient location sensor. MMS is critical for the continuous visual capability during night and adverse weather conditions.

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Exhibit P-21, Production Schedule: PB 2016 Army															Date: February 2015														
Appropriation / Budget Activity / Budget Sub Activity: 2035A / 03 / 40										P-1 Line Item Number / Title: MN1000 / Combat Support Medical										Item Number / Title [DODIC]: G13010 / MEDEVAC Misson Equipment Package (MEP)									

Cost Elements <i>(Units in Each)</i>						Fiscal Year 2014												Fiscal Year 2015														
O C C O	M F R #	FY	SERVICE	PROC QTY	ACCEPT PRIOR TO 1 OCT 2013	BAL DUE AS OF 1 OCT	Calendar Year 2014												Calendar Year 2015													
							O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	B A L	
Medical Mission Sensor FLIR																																
	1	2016	ARMY	36	-	36	A	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	36
Interim Patient Handling System (IMMSS)																																
	2	2016	ARMY	14	-	14	A	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	14
							O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	B A L	

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Exhibit P-21, Production Schedule: PB 2016 Army															Date: February 2015														
Appropriation / Budget Activity / Budget Sub Activity: 2035A / 03 / 40										P-1 Line Item Number / Title: MN1000 / Combat Support Medical										Item Number / Title [DODIC]: G13010 / MEDEVAC Misson Equipment Package (MEP)									

Cost Elements <i>(Units in Each)</i>						Fiscal Year 2016												Fiscal Year 2017													
O C C O	M F R #	FY	SERVICE	PROC QTY	ACCEPT PRIOR TO 1 OCT 2015	BAL DUE AS OF 1 OCT	Calendar Year 2016												Calendar Year 2017												
							O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	B A L
Medical Mission Sensor FLIR																															
	1	2016	ARMY	36	-	36	10	-	-	10	-	-	10	-	-	6														-	
Interim Patient Handling System (IMMSS)																															
	2	2016	ARMY	14	-	14	-	-	-	10	-	-	4																	-	
							O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	B A L

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Exhibit P-21, Production Schedule: PB 2016 Army								Date: February 2015			
Appropriation / Budget Activity / Budget Sub Activity: 2035A / 03 / 40				P-1 Line Item Number / Title: MN1000 / Combat Support Medical				Item Number / Title [DODIC]: G13010 / MEDEVAC Misson Equipment Package (MEP)			

MFR Ref #	MFR Name - Location	Production Rates (Each / Month)			Procurement Leadtime (Months)							
		MSR For 2016	1-8-5 For 2016	MAX For 2016	Initial				Reorder			
					ALT Prior to Oct 1	ALT After Oct 1	Mfg PLT	Total After Oct 1	ALT Prior to Oct 1	ALT After Oct 1	Mfg PLT	Total After Oct 1
1	FLIR Systems, Inc. - Portland Oregon	10	12	15	-	-	18	18	-	-	18	18
2	Air Methods Corp - Denver, Colorado	10	12	15	-	-	10	10	-	-	4	4

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

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

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Exhibit P-5, Cost Analysis: PB 2016 Army		Date: February 2015
Appropriation / Budget Activity / Budget Sub Activity: 2035A / 03 / 40		P-1 Line Item Number / Title: MN1000 / Combat Support Medical
		Item Number / Title [DODIC]: MB1100 / FIELD MEDICAL EQUIPMENT - Medical ASIOE

ID Code (A=Service Ready, B=Not Service Ready) :	MDAP/MAIS Code:
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Resource Summary	Prior Years	FY 2014	FY 2015	FY 2016 Base	FY 2016 OCO	FY 2016 Total
Procurement Quantity (Units in Each)	774	1,579	2,619	5,921	-	5,921
Gross/Weapon System Cost (\$ in Millions)	653.566	20.333	32.819	49.988	-	49.988
Less PY Advance Procurement (\$ in Millions)	-	-	-	-	-	-
Net Procurement (P1) (\$ in Millions)	653.566	20.333	32.819	49.988	-	49.988
Plus CY Advance Procurement (\$ in Millions)	-	-	-	-	-	-
Total Obligation Authority (\$ in Millions)	653.566	20.333	32.819	49.988	-	49.988

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

Initial Spares (\$ in Millions)	-	-	-	-	-	-
Gross/Weapon System Unit Cost (\$ in Thousands)	844.401	12.877	12.531	8.442	-	8.442

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

Cost Elements	Prior Years			FY 2014			FY 2015			FY 2016 Base			FY 2016 OCO			FY 2016 Total		
	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)
Flyaway Cost																		
Recurring Cost																		
Laboratory science Equipment ^(†)	18.518	1,892	35.037	3.921	215	0.843	7.171	222	1.592	6.538	587	3.838	-	-	-	6.538	587	3.838
Ambulatory Care Equipment ^(†)	44.586	1,620	72.230	3.977	2,531	10.066	6.420	581	3.730	12.183	564	6.871	-	-	-	12.183	564	6.871
Dental Equipment ^(†)	100.552	902	90.698	32.077	13	0.417	0.055	58,172	3.223	19.873	125	2.484	-	-	-	19.873	125	2.484
Ophthalmology/optometry Equipment ^(†)	27.303	433	11.822	18.500	2	0.037	-	-	-	11.155	8	0.089	-	-	-	11.155	8	0.089
Surgical Equipment ^(†)	30.947	3,941	121.963	15.102	265	4.002	11.857	600	7.114	10.203	865	8.825	-	-	-	10.203	865	8.825
Nursing Equipment ^(†)	40.536	898	36.401	13.818	88	1.216	24.625	461	11.352	-	-	-	-	-	-	-	-	-
Veterinary Equipment ^(†)	5,310.500	2	10.621	27.650	20	0.553	55.636	55	3.060	44.614	68	3.034	-	-	-	44.614	68	3.034
Diagnostic Imaging Equipment ^(†)	152.496	1,291	196.872	49.215	65	3.199	67.024	41	2.748	103.176	39	4.024	-	-	-	103.176	39	4.024
Oxygen Generation Equipment ^(†)	109.620	332	36.394	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Water Distribution ^(†)	62.640	663	41.530	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Therapy/Treatment ^(†)	-	-	-	-	-	-	-	-	-	3.884	1,072	4.164	-	-	-	3.884	1,072	4.164
Sterilization ^(†)	-	-	-	-	-	-	-	-	-	83.350	56	4.668	-	-	-	83.350	56	4.668

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Exhibit P-5, Cost Analysis: PB 2016 Army		Date: February 2015
Appropriation / Budget Activity / Budget Sub Activity: 2035A / 03 / 40	P-1 Line Item Number / Title: MN1000 / Combat Support Medical	Item Number / Title [DODIC]: MB1100 / FIELD MEDICAL EQUIPMENT - Medical ASIOE
ID Code (A=Service Ready, B=Not Service Ready) :		MDAP/MAIS Code:

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

Cost Elements	Prior Years			FY 2014			FY 2015			FY 2016 Base			FY 2016 OCO			FY 2016 Total		
	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)
Environmental (Chemical) ^(†)	-	-	-	-	-	-	-	-	-	14.118	275	3.883	-	-	-	14.118	275	3.883
Environmental (Water) ^(†)	-	-	-	-	-	-	-	-	-	3.648	2,082	7.595	-	-	-	3.648	2,082	7.595
TMDE (Test, Measurement, Diagnostic Eq) ^(†)	-	-	-	-	-	-	-	-	0.023	6.422	80	0.514	-	-	-	6.422	80	0.514
<i>Subtotal: Recurring Cost</i>	-	-	653.566	-	-	20.333	-	-	32.819	-	-	49.988	-	-	-	-	-	49.988
<i>Subtotal: Flyaway Cost</i>	-	-	653.566	-	-	20.333	-	-	32.819	-	-	49.988	-	-	-	-	-	49.988
Gross/Weapon System Cost	844.401	774	653.566	12.877	1,579	20.333	12.531	2,619	32.819	8.442	5,921	49.988	-	-	-	8.442	5,921	49.988

Secondary Distribution		FY 2014	FY 2015	FY 2016 Base	FY 2016 OCO	FY 2016 Total
Army	Quantity		805	1,806	3,502	3,502
	Total Obligation Authority		10.571	19.037	37.587	37.587
ANG	Quantity		417	334	1,865	1,865
	Total Obligation Authority		1.713	2.213	7.254	7.254
AR	Quantity		357	479	554	554
	Total Obligation Authority		8.049	11.569	5.147	5.147
Total: Secondary Distribution	Quantity		1,579	2,619	5,921	5,921
	Total Obligation Authority		20.333	32.819	49.988	49.988

(†) indicates the presence of a P-5a

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Exhibit P-5a, Procurement History and Planning: PB 2016 Army								Date: February 2015				
Appropriation / Budget Activity / Budget Sub Activity: 2035A / 03 / 40			P-1 Line Item Number / Title: MN1000 / Combat Support Medical					Item Number / Title [DODIC]: MB1100 / FIELD MEDICAL EQUIPMENT - Medical ASIOE				
Cost Elements	O C O	FY	Contractor and Location	Method/Type or Funding Vehicle	Location of PCO	Award Date	Date of First Delivery	Qty <i>(Each)</i>	Unit Cost <i>(\$ K)</i>	Specs Avail Now?	Date Revision Available	RFP Issue Date
Laboratory science Equipment		2012	Various / Various	Various	various	Sep 2012	Sep 2012	212	8.250	N		
Laboratory science Equipment		2013	Various / Various	Various	various	Sep 2013	Sep 2013	108	22.824	N		
Laboratory science Equipment		2014	Various / Various	Various	various	Sep 2014	Sep 2014	215	3.921	N		
Laboratory science Equipment		2015	Various / Various	Various	various	Sep 2013	Sep 2015	222	7.171	N		
Laboratory science Equipment		2016	Various / Various	Various	various	Sep 2015	Sep 2016	587	6.538			
Ambulatory Care Equipment		2012	Various / Various	Various	various	Sep 2011	Sep 2011	322	13.400	N		
Ambulatory Care Equipment		2013	Various / Various	Various	various	Sep 2012	Sep 2012	389	8.018	N		
Ambulatory Care Equipment - 2		2013	Various / Various	Various	various	Sep 2015	Sep 2015	581	6.420	N		
Ambulatory Care Equipment		2015	Various / Various	Various	various	Sep 2014	Sep 2014	581	6.420	N		
Ambulatory Care Equipment		2016	Various / Various	Various	various	Sep 2016	Sep 2016	564	12.183			
Dental Equipment		2012	Various / Various	Various	various	Sep 2012	Sep 2012	359	17.910	N		
Dental Equipment		2013	Various / Various	Various	various	Sep 2013	Sep 2013	109	23.853	N		
Dental Equipment		2014	Various / Various	Various	various	Sep 2014	Sep 2014	13	32.077	N		
Dental Equipment		2015	Various / Various	Various	various	Sep 2014	Sep 2015	58,172	0.055	N		
Dental Equipment		2016	Various / Various	Various	various	Sep 2016	Sep 2016	125	19.873			
Ophthalmology/optometry Equipment		2012	Various / Various	Various	various	Sep 2012	Sep 2012	27	13.850	N		
Ophthalmology/optometry Equipment		2013	Various / Various	Various	various	Sep 2013	Sep 2013	11	9.545	N		
Ophthalmology/optometry Equipment		2014	Various / Various	Various	various	Sep 2014	Sep 2014	2	18.500	N		
Ophthalmology/optometry Equipment		2016	Various / Various	Various	various	Sep 2016	Sep 2016	8	11.155			
Surgical Equipment		2012	Various / Various	Various	various	Sep 2012	Sep 2012	1,345	11.120	N		
Surgical Equipment		2013	Various / Various	Various	various	Sep 2013	Sep 2013	541	13.634	N		
Surgical Equipment		2014	Various / Various	Various	various	Sep 2014	Sep 2014	265	15.102	N		
Surgical Equipment		2015	Various / Various	Various	various	Sep 2015	Sep 2015	600	11.857	N		
Surgical Equipment		2016	Various / Various	Various	various	Sep 2016	Sep 2016	865	10.203			
Nursing Equipment		2012	Various / Various	Various	various	Sep 2012	Sep 2012	218	9.910	N		
Nursing Equipment		2013	Various / Various	Various	various	Sep 2013	Sep 2013	203	10.429	N		
Nursing Equipment		2014	Various / Various	Various	various	Sep 2014	Sep 2014	88	13.818	N		
Nursing Equipment		2015	Various / Various	Various	various	Sep 2015	Sep 2015	461	24.625	N		
Veterinary Equipment		2014	Various / Various	Various	various	Sep 2014	Sep 2014	20	27.650	N		
Veterinary Equipment		2015	Various / Various	Various	various	Sep 2015	Sep 2015	55	55.636	N		
Veterinary Equipment		2016	Various / Various	Various	various	Sep 2016	Sep 2016	68	44.614			
Diagnostic Imaging Equipment		2012	Various / Various	Various	various	Sep 2012	Sep 2012	299	52.480	N		
Diagnostic Imaging Equipment		2013	Various / Various	Various	various	Sep 2013	Sep 2013	183	59.721	N		

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

Appropriation / Budget Activity / Budget Sub Activity: 2035A / 03 / 40	P-1 Line Item Number / Title: MN1000 / Combat Support Medical	Item Number / Title [DODIC]: MB1100 / FIELD MEDICAL EQUIPMENT - Medical ASIOE
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Cost Elements	O C O	FY	Contractor and Location	Method/Type or Funding Vehicle	Location of PCO	Award Date	Date of First Delivery	Qty <i>(Each)</i>	Unit Cost <i>(\$ K)</i>	Specs Avail Now?	Date Revision Available	RFP Issue Date
Diagnostic Imaging Equipment		2014	Various / Various	Various	various	Sep 2014	Sep 2014	65	49.215	N		
Diagnostic Imaging Equipment		2015	Various / Various	Various	various	Sep 2015	Sep 2015	41	67.024	N		
Diagnostic Imaging Equipment		2016	Various / Various	Various	various	Sep 2016	Sep 2016	39	103.176			
Oxygen Generation Equipment		2012	Various / Various	Various	various	Sep 2012	Sep 2012	85	26.200	N		
Oxygen Generation Equipment		2013	Various / Various	Various	various	Sep 2013	Sep 2013	108	10.537	N		
Water Distribution		2012	Various / Various	Various	various	Sep 2012	Sep 2012	645	4.030	N		
Water Distribution		2013	Various / Various	Various	various	Sep 2013	Sep 2013	18	5.944	N		
Therapy/Treatment		2016	Various / Various	Various	various	Sep 2016	Sep 2016	1,072	3.884			
Sterilization		2016	Various / Various	Various	various	Sep 2016	Sep 2016	56	83.350			
Environmental (Chemical)		2016	Various / Various	Various	various	Sep 2016	Sep 2016	275	14.118			
Environmental (Water)		2016	Various / Various	Various	various	Sep 2016	Sep 2016	2,082	3.648			
TMDE (Test, Measurement, Diagnostic Eq)		2016	Various / Various	Various	varioius	Sep 2016	Sep 2016	80	6.422			

Remarks:
Equipment is Commercial Off The Shelf (COTS)/Government Off the Shelf (GOTS), therefore is ordered on an as needed basis to manage program most effectively.

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

Appropriation / Budget Activity / Budget Sub Activity:
2035A: Other Procurement, Army / BA 03: Other Support Equipment / BSA 45: Maintenance Equipment

P-1 Line Item Number / Title:
G05301 / Mobile Maintenance Equipment Systems

ID Code (A=Service Ready, B=Not Service Ready) :			Program Elements for Code B Items:					Other Related Program Elements:				
Resource Summary	Prior Years	FY 2014	FY 2015	FY 2016 Base	FY 2016 OCO	FY 2016 Total	FY 2017	FY 2018	FY 2019	FY 2020	To Complete	Total
Procurement Quantity (Units in Each)	-	20	59	60	-	60	58	51	68	70	Continuing	Continuing
Gross/Weapon System Cost (\$ in Millions)	-	12.177	23.758	25.270	-	25.270	24.317	23.675	27.853	28.382	Continuing	Continuing
Less PY Advance Procurement (\$ in Millions)	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P1) (\$ in Millions)	-	12.177	23.758	25.270	-	25.270	24.317	23.675	27.853	28.382	Continuing	Continuing
Plus CY Advance Procurement (\$ in Millions)	-	-	-	-	-	-	-	-	-	-	-	-
Total Obligation Authority (\$ in Millions)	-	12.177	23.758	25.270	-	25.270	24.317	23.675	27.853	28.382	Continuing	Continuing
<i>(The following Resource Summary rows are for informational purposes only. The corresponding budget requests are documented elsewhere.)</i>												
Initial Spares (\$ in Millions)	-	-	-	-	-	-	-	-	-	-	-	-
Flyaway Unit Cost (\$ in Thousands)	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Unit Cost (\$ in Thousands)	-	608.850	402.678	421.167	-	421.167	419.259	464.216	409.603	405.457	Continuing	Continuing

Description:

The Mobile Maintenance Equipment Systems (MMES) employs a system of systems approach to provide two-level maintenance capability to the Warfighter. Eight inter-connected maintenance systems distributed throughout the Army at multiple levels and echelons provide a holistic repair capability in all environments. This approach meets the Army's two-level maintenance philosophy and supports the current force while also providing modular configurations to meet the specific needs of the Army maintainer in today's transforming environment. The MMES family of systems includes Shop Equipment Contact Maintenance, Forward Repair System, Standard Automotive Tool Set, Shop Equipment Welding, Hydraulic Systems Test and Repair Unit, Metal Working and Machining Shop Set, Armament Repair Shop Set and Fire Suppression Refill System.

The Hydraulic Systems Test and Repair Unit (HSTRU) is a robust hydraulic repair system capable of supporting four trained ordnance/engineer soldiers at one time to conduct maintenance operations. It provides the capability to fabricate industry standard crimp-style hydraulic replacement hoses of all sizes, types, and end configurations as required to restore the hydraulic systems on battle damaged or otherwise non-mission capable equipment. HSTRU also provides the ability to fabricate industry standard steel replacement hydraulic tubes used in brake lines and other high pressure applications and bends and flares these tubes as required to create a proper replacement item. The HSTRU includes an on-system diagnostic test meter that is used for troubleshooting hydraulic problems on the supported platforms. It is a trailer-mounted system with a weather tight enclosure that is configured for rapid setup for use at the point of need. It can be deployed forward on the battlefield for battle damage repair or operated in the motor pool. The HSTRU is highly transportable on or to the battlefield by light tactical vehicle towing, highway trucks, helicopter sling load, C-130 and larger fixed-wing aircraft, lighterage and larger marine vessels, and rail. Army Acquisition Objective (AAO) is 691.

The Metal Working and Machining Shop Set (MWMSS) program is a Shelter Mounted Set that assembles and packages tool load configurations based on the 91E (Allied Trades) Military Occupational Specialty (MOS). The MWMSS assembles and packages a tool load configuration to replace multiple obsolete LINs without losing any capability while reducing the logistics footprint. MWMSS increases safety and supportability for Allied Trades soldiers and delivers state of the art machining capabilities using two module types, Type I and Type II. Type I contains a Computer Numeric Controlled (CNC) Lathe, Mill Drill, Multi-Process Welding, Thermal Cutting equipment, Air-Arc Gouging, air compressor, Mobile Electric Power (MEP) generator for shop power, Environmental Control Unit (ECU), and an assortment of hand/air tools. Type II augments Type I and contains a CNC Milling Machine, Plasma table, ECU, and an assortment of hand/air tools. The MWMSS is transportable by standard ground (PLS/LHS), air (C-130), rail and sea assets. SSN: G05315. Army Acquisition Objective (AAO) of MWMSS is 277 Type I and 190 Type II.

The Armament Repair Shop Set (ARSS) provides technological advancements and professional-grade tools with lifetime warranties, which will bring a savings to the Army for many years. The ARSS consolidates four LINs to one and equips our forces with the most current and accurate tools to complete the mission while performing maintenance on the latest technologically advanced weaponry from small arms to field artillery. The consolidation of the four Line Item Numbers (LINs) to one results in a reduction from four tactical vehicles required to transport the individual shop sets to just one tactical vehicle to transport the ARSS. In addition, the ARSS eliminates a 51% tool redundancy across the previous six armament shop sets while reducing 43% of the armament repair tools in the field. The ARSS significantly

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

Appropriation / Budget Activity / Budget Sub Activity: 2035A: Other Procurement, Army / BA 03: Other Support Equipment / BSA 45: Maintenance Equipment	P-1 Line Item Number / Title: G05301 / Mobile Maintenance Equipment Systems
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ID Code (A=Service Ready, B=Not Service Ready) :	Program Elements for Code B Items:	Other Related Program Elements:
<p>improves on-site maintenance capability with increased proficiency and deployability. The ARSS provides a field/sustainment level maintenance and repair support platform for armament weapon systems to support units across the full spectrum of military operations. By providing on-system maintenance repairs to weapon systems and/or components as far forward as possible on the battlefield, ARSS enables major combat systems to quickly return to the fight. The ARSS will be fielded to the Infantry Brigade Combat Teams (IBCTs), Heavy Brigade Combat Teams (HBCTs), Stryker Brigade Combat Teams (SBCTs), Support Maintenance Companies (SMCs), Component Repair Companies (CRCs), and Forward Support Companies (FSCs). Army Acquisition Objective (AAO) of ARSS is 1126</p> <p>The Fire Suppression Refill System (FSRS) will be a modular, flexible, standardized fire suppression refill station consisting of a transportable ISO 8x8x20 container with an integrated Environmental Control Unit (ECU). The FSRS will be an integrated unit equipped for safe performance of refilling fire suppression bottles and systems. The FSRS will consist of an enclosure (capable of stand-alone or trailer-mounted operation) containing the tools and equipment needed to fulfill the required refill tasks and a trailer for transportation. The FSRS provides the capability to refill the vast majority of fire suppression systems currently fielded. These systems include both man portable systems as well as the fire suppression systems that can be found in military vehicles. The FSRS shall operate in every Support Maintenance Company (SMC) and Field Maintenance Company (FMC), Ground Support Sections. The FSRS will be deployed and employed in all geographical locations and environments where the U.S. Army operates. Army Acquisition Objective (AAO) of FSRS is 171 systems.</p>		

Secondary Distribution		FY 2014	FY 2015	FY 2016 Base	FY 2016 OCO	FY 2016 Total	FY 2017	FY 2018	FY 2019	FY 2020
Army	Quantity	8	28	24	-	24	24	21	31	22
	Total Obligation Authority	4.918	10.574	10.987	-	10.987	10.517	10.175	12.553	9.782
ANG	Quantity	10	27	30	-	30	28	24	31	34
	Total Obligation Authority	5.971	10.967	12.018	-	12.018	11.500	11.200	12.900	13.900
AR	Quantity	2	4	6	-	6	6	6	6	14
	Total Obligation Authority	1.288	2.217	2.265	-	2.265	2.300	2.300	2.400	4.700
Total:	Quantity	20	59	60	-	60	58	51	68	70
Secondary Distribution	Total Obligation Authority	12.177	23.758	25.270	-	25.270	24.317	23.675	27.853	28.382

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

Appropriation / Budget Activity / Budget Sub Activity:
2035A: Other Procurement, Army / BA 03: Other Support Equipment / BSA 45: Maintenance Equipment

P-1 Line Item Number / Title:
G05301 / Mobile Maintenance Equipment Systems

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

Exhibits Schedule			Prior Years	FY 2014	FY 2015	FY 2016 Base	FY 2016 OCO	FY 2016 Total
Title*	Exhibits	ID CD	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)
G05315 / METAL WORKING AND MACHING SHOP SET (MWMSS)	P-5, P-5a, P-21	B	- / -	14 / 9.020	19 / 9.350	15 / 9.342	- / -	15 / 9.342
G05320 / FIRE SUPPRESSION REFILL SYSTEM (FSRS)	P-5, P-5a, P-21	B	- / -	- / -	15 / 3.982	20 / 5.542	- / -	20 / 5.542
G05330 / ARMAMENT REPAIR SHOP SET (ARSS)	P-5, P-5a, P-21	B	- / -	6 / 3.157	25 / 10.426	25 / 10.386	- / -	25 / 10.386
Total Gross/Weapon System Cost			- / -	20 / 12.177	59 / 23.758	60 / 25.270	- / -	60 / 25.270

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

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

Justification:

The Mobile Maintenance Equipment Systems are maintenance multipliers that mobilize mechanics and maintenance equipment to repair damaged light, medium, and heavy Combat and Combat Support systems in the Brigade Combat Teams (BCTs) and Combat Aviation Brigades (CABs) as close to the front lines as is safely possible. The MMES significantly increases the capability of forward maintenance units to conduct necessary battlefield repairs. With the MMES, systems and Soldiers do not have to wait for recovery vehicles to arrive and remove the system from the battlefield, thus reducing risk to the Soldiers and equipment.

Fire Suppression Refill System (FSRS): FY 16 Base Procurement dollars in the amount of \$5.542 million support 20 FSRS to be fielded to Training and Doctrine Command (TRADOC), Armored Brigade Combat Teams and Stryker Brigade Combat Teams and Support Maintenance Companies (SMC).

Metal Working and Machining Shop Set (MWMSS): FY16 Base Procurement dollars in the amount of \$9.342 million supports 15 MWMSS modules (8 Type I and 7 Type II) to be fielded to Active, Guard and Reserve units. MWMSS represents a significant upgrade in technology and replaces several outdated LINs.

Armament Repair Shop Set (ARSS): FY16 Base procurement dollars in the amount of \$10.386 million support 25 ARSS to be fielded to the Infantry Brigade Combat Teams (IBCTs), Heavy Brigade Combat Teams (HBCTs), Stryker Brigade Combat Teams (SBCTs), Support Maintenance Companies (SMCs), Component Repair Companies (CRCs), and Forward Support Companies (FSCs). ARSS replaces six Line Item Numbers (LINs) and provides the capability for forward maintenance for multiple weapon systems.

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

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Exhibit P-5, Cost Analysis: PB 2016 Army		Date: February 2015
Appropriation / Budget Activity / Budget Sub Activity: 2035A / 03 / 45		P-1 Line Item Number / Title: G05301 / Mobile Maintenance Equipment Systems
		Item Number / Title [DODIC]: G05315 / METAL WORKING AND MACHING SHOP SET (MWMSS)

ID Code (A=Service Ready, B=Not Service Ready) : B	MDAP/MAIS Code:
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Resource Summary	Prior Years	FY 2014	FY 2015	FY 2016 Base	FY 2016 OCO	FY 2016 Total
Procurement Quantity (Units in Each)	-	14	19	15	-	15
Gross/Weapon System Cost (\$ in Millions)	-	9.020	9.350	9.342	-	9.342
Less PY Advance Procurement (\$ in Millions)	-	-	-	-	-	-
Net Procurement (P1) (\$ in Millions)	-	9.020	9.350	9.342	-	9.342
Plus CY Advance Procurement (\$ in Millions)	-	-	-	-	-	-
Total Obligation Authority (\$ in Millions)	-	9.020	9.350	9.342	-	9.342

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

Initial Spares (\$ in Millions)	-	-	-	-	-	-
Gross/Weapon System Unit Cost (\$ in Thousands)	-	644.286	492.105	622.800	-	622.800

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

Cost Elements	Prior Years			FY 2014			FY 2015			FY 2016 Base			FY 2016 OCO			FY 2016 Total		
	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)
Flyaway Cost																		
Recurring Cost																		
ECPs	-	-	-	-	-	0.225	-	-	0.140	-	-	0.140	-	-	-	-	-	0.140
Fielding	-	-	-	-	-	0.400	-	-	0.100	-	-	0.240	-	-	-	-	-	0.240
Subtotal: Recurring Cost	-	-	-	-	-	0.625	-	-	0.240	-	-	0.380	-	-	-	-	-	0.380
Non Recurring Cost																		
Training Aids	-	-	-	-	-	1.656	-	-	-	-	-	-	-	-	-	-	-	-
Subtotal: Non Recurring Cost	-	-	-	-	-	1.656	-	-	-	-	-	-	-	-	-	-	-	-
Subtotal: Flyaway Cost	-	-	-	-	-	2.281	-	-	0.240	-	-	0.380	-	-	-	-	-	0.380
Hardware Cost																		
Recurring Cost																		
Metal Working Machining Shop Set Type I ^(f)	-	-	-	525.000	7	3.675	525.000	10	5.250	626.000	8	5.008	-	-	-	626.000	8	5.008
Metal Working Machining Shop Set Type II ^(f)	-	-	-	366.000	7	2.562	366.000	9	3.294	468.000	7	3.276	-	-	-	468.000	7	3.276
Subtotal: Recurring Cost	-	-	-	-	-	6.237	-	-	8.544	-	-	8.284	-	-	-	-	-	8.284
Subtotal: Hardware Cost	-	-	-	-	-	6.237	-	-	8.544	-	-	8.284	-	-	-	-	-	8.284
Support Cost																		
Program Support	-	-	-	-	-	0.502	-	-	0.566	-	-	0.678	-	-	-	-	-	0.678

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Exhibit P-5, Cost Analysis: PB 2016 Army		Date: February 2015
Appropriation / Budget Activity / Budget Sub Activity: 2035A / 03 / 45	P-1 Line Item Number / Title: G05301 / Mobile Maintenance Equipment Systems	Item Number / Title [DODIC]: G05315 / METAL WORKING AND MACHING SHOP SET (MWMSS)
ID Code (A=Service Ready, B=Not Service Ready) : B		MDAP/MAIS Code:

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

Cost Elements	Prior Years			FY 2014			FY 2015			FY 2016 Base			FY 2016 OCO			FY 2016 Total		
	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)
<i>Subtotal: Support Cost</i>	-	-	-	-	-	0.502	-	-	0.566	-	-	0.678	-	-	-	-	-	0.678
Gross/Weapon System Cost	-	-	-	644.286	14	9.020	492.105	19	9.350	622.800	15	9.342	-	-	-	622.800	15	9.342

Secondary Distribution		FY 2014	FY 2015	FY 2016 Base	FY 2016 OCO	FY 2016 Total
Army	Quantity	6	10	5	-	5
	Total Obligation Authority	3.866	4.301	3.854	-	3.854
ANG	Quantity	6	7	8	-	8
	Total Obligation Authority	3.866	3.927	4.392	-	4.392
AR	Quantity	2	2	2	-	2
	Total Obligation Authority	1.288	1.122	1.096	-	1.096
Total:	Quantity	14	19	15	-	15
Secondary Distribution	Total Obligation Authority	9.020	9.350	9.342	-	9.342

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

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Exhibit P-5a, Procurement History and Planning: PB 2016 Army							Date: February 2015					
Appropriation / Budget Activity / Budget Sub Activity: 2035A / 03 / 45			P-1 Line Item Number / Title: G05301 / Mobile Maintenance Equipment Systems				Item Number / Title [DODIC]: G05315 / METAL WORKING AND MACHING SHOP SET (MWMSS)					

Cost Elements	O C O	FY	Contractor and Location	Method/Type or Funding Vehicle	Location of PCO	Award Date	Date of First Delivery	Qty <i>(Each)</i>	Unit Cost <i>(\$ K)</i>	Specs Avail Now?	Date Revision Available	RFP Issue Date
Metal Working Machining Shop Set Type I ^(t)		2014	JMTC / Rock Island	MIPR	JMTC, Rock Island, IL	Dec 2013	Jul 2014	7	525.000			
Metal Working Machining Shop Set Type I ^(t)		2015	JMTC / Rock Island	MIPR	JMTC, Rock Island, IL	Nov 2014	Apr 2015	10	525.000			
Metal Working Machining Shop Set Type I ^(t)		2016	JMTC / Rock Island	MIPR	JMTC, Rock Island, IL	Nov 2015	Apr 2016	8	626.000			
Metal Working Machining Shop Set Type II ^(t)		2014	JMTC / Rock Island	MIPR	JMTC, Rock Island, IL	Dec 2013	Jul 2014	7	366.000			
Metal Working Machining Shop Set Type II ^(t)		2015	JMTC / Rock Island	MIPR	JMTC, Rock Island, IL	Nov 2014	Apr 2015	9	366.000			
Metal Working Machining Shop Set Type II ^(t)		2016	JMTC / Rock Island	MIPR	JMTC, Rock Island, IL	Nov 2015	Apr 2016	7	468.000			

^(t) indicates the presence of a P-21

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Exhibit P-21, Production Schedule: PB 2016 Army															Date: February 2015														
Appropriation / Budget Activity / Budget Sub Activity: 2035A / 03 / 45										P-1 Line Item Number / Title: G05301 / Mobile Maintenance Equipment Systems										Item Number / Title [DODIC]: G05315 / METAL WORKING AND MACHING SHOP SET (MWMSS)									

Cost Elements <i>(Units in Each)</i>						Fiscal Year 2014												Fiscal Year 2015																		
O C C O	M F R #	FY	SERVICE	PROC QTY	ACCEPT PRIOR TO 1 OCT 2013	BAL DUE AS OF 1 OCT	Calendar Year 2014												Calendar Year 2015																	
							O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	B A L					
Metal Working Machining Shop Set Type I																																				
	1	2014	ARMY	7	-	7			A -	-	-	-	-	-	-	-	-	1	1	1	-	1	1	1	-	1									-	
	1	2015	ARMY	10	-	10															A -	-	-	-	-	-	1	1	1	1	1	1	1	1	1	4
	1	2016	ARMY	8	-	8																													8	
Metal Working Machining Shop Set Type II																																				
	2	2014	ARMY	7	-	7			A -	-	-	-	-	-	-	-	-	1	1	-	1	1	1	-	1	1										-
	2	2015	ARMY	9	-	9															A -	-	-	-	-	-	1	1	1	1	1	1	1	1	1	3
	2	2016	ARMY	7	-	7																														7
							O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	B A L					

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Exhibit P-21, Production Schedule: PB 2016 Army				Date: February 2015							
Appropriation / Budget Activity / Budget Sub Activity: 2035A / 03 / 45				P-1 Line Item Number / Title: G05301 / Mobile Maintenance Equipment Systems				Item Number / Title [DODIC]: G05315 / METAL WORKING AND MACHING SHOP SET (MWMSS)			

MFR Ref #	MFR Name - Location	Production Rates (Each / Month)			Procurement Leadtime (Months)							
		MSR For 2016	1-8-5 For 2016	MAX For 2016	Initial				Reorder			
					ALT Prior to Oct 1	ALT After Oct 1	Mfg PLT	Total After Oct 1	ALT Prior to Oct 1	ALT After Oct 1	Mfg PLT	Total After Oct 1
1	JMTC - Rock Island	1	10	15	-	1	8	9	-	1	5	6
2	JMTC - Rock Island	1	10	15	-	1	8	9	-	1	5	6

Remarks:
 Minimum rate is 1 module per month, either Type I or Type II

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

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

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Exhibit P-5, Cost Analysis: PB 2016 Army		Date: February 2015
Appropriation / Budget Activity / Budget Sub Activity: 2035A / 03 / 45		P-1 Line Item Number / Title: G05301 / Mobile Maintenance Equipment Systems
		Item Number / Title [DODIC]: G05320 / FIRE SUPPRESSION REFILL SYSTEM (FSRS)

ID Code (A=Service Ready, B=Not Service Ready) : B	MDAP/MAIS Code:
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Resource Summary	Prior Years	FY 2014	FY 2015	FY 2016 Base	FY 2016 OCO	FY 2016 Total
Procurement Quantity (Units in Each)	-	-	15	20	-	20
Gross/Weapon System Cost (\$ in Millions)	-	-	3.982	5.542	-	5.542
Less PY Advance Procurement (\$ in Millions)	-	-	-	-	-	-
Net Procurement (P1) (\$ in Millions)	-	-	3.982	5.542	-	5.542
Plus CY Advance Procurement (\$ in Millions)	-	-	-	-	-	-
Total Obligation Authority (\$ in Millions)	-	-	3.982	5.542	-	5.542

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

Initial Spares (\$ in Millions)	-	-	-	-	-	-
Gross/Weapon System Unit Cost (\$ in Thousands)	-	-	265.467	277.100	-	277.100

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

Cost Elements	Prior Years			FY 2014			FY 2015			FY 2016 Base			FY 2016 OCO			FY 2016 Total			
	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	
Hardware Cost																			
Recurring Cost																			
Fire Suppression Refill System Hardware ⁽¹⁾	-	-	-	-	-	-	224.000	16	3.584	235.000	20	4.700	-	-	-	-	235.000	20	4.700
Engineering Change Proposals	-	-	-	-	-	-	-	-	0.060	-	-	-	-	-	-	-	-	-	-
<i>Subtotal: Recurring Cost</i>	-	-	-	-	-	-	-	-	3.644	-	-	4.700	-	-	-	-	-	-	4.700
<i>Subtotal: Hardware Cost</i>	-	-	-	-	-	-	-	-	3.644	-	-	4.700	-	-	-	-	-	-	4.700
Package Fielding Cost																			
Recurring Cost																			
Transportation	-	-	-	-	-	-	-	-	0.106	-	-	0.132	-	-	-	-	-	-	0.132
Fielding	-	-	-	-	-	-	-	-	-	-	-	0.378	-	-	-	-	-	-	0.378
<i>Subtotal: Recurring Cost</i>	-	-	-	-	-	-	-	-	0.106	-	-	0.510	-	-	-	-	-	-	0.510
<i>Subtotal: Package Fielding Cost</i>	-	-	-	-	-	-	-	-	0.106	-	-	0.510	-	-	-	-	-	-	0.510
Support Cost																			
Program Support	-	-	-	-	-	-	-	-	0.232	-	-	0.332	-	-	-	-	-	-	0.332
<i>Subtotal: Support Cost</i>	-	-	-	-	-	-	-	-	0.232	-	-	0.332	-	-	-	-	-	-	0.332
Gross/Weapon System Cost	-	-	-	-	-	-	265.467	15	3.982	277.100	20	5.542	-	-	-	-	277.100	20	5.542

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Exhibit P-5, Cost Analysis: PB 2016 Army		Date: February 2015
Appropriation / Budget Activity / Budget Sub Activity: 2035A / 03 / 45	P-1 Line Item Number / Title: G05301 / Mobile Maintenance Equipment Systems	Item Number / Title [DODIC]: G05320 / FIRE SUPPRESSION REFILL SYSTEM (FSRS)

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

Secondary Distribution		FY 2014	FY 2015	FY 2016 Base	FY 2016 OCO	FY 2016 Total
Army	Quantity	-	7	9	-	9
	Total Obligation Authority	-	1.931	2.771	-	2.771
ANG	Quantity	-	7	10	-	10
	Total Obligation Authority	-	1.827	2.433	-	2.433
AR	Quantity	-	1	1	-	1
	Total Obligation Authority	-	0.224	0.338	-	0.338
Total:	Quantity	-	15	20	-	20
Secondary Distribution	Total Obligation Authority	-	3.982	5.542	-	5.542

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

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Exhibit P-5a, Procurement History and Planning: PB 2016 Army							Date: February 2015					
Appropriation / Budget Activity / Budget Sub Activity: 2035A / 03 / 45			P-1 Line Item Number / Title: G05301 / Mobile Maintenance Equipment Systems				Item Number / Title [DODIC]: G05320 / FIRE SUPPRESSION REFILL SYSTEM (FSRS)					

Cost Elements	O C O	FY	Contractor and Location	Method/Type or Funding Vehicle	Location of PCO	Award Date	Date of First Delivery	Qty (Each)	Unit Cost (\$ K)	Specs Avail Now?	Date Revision Available	RFP Issue Date
Fire Suppression Refill System Hardware ^(†)		2015	JMTC / Rock Island Arsenal	MIPR	JMTC, Rock Island, IL	Nov 2014	Apr 2015	16	224.000			
Fire Suppression Refill System Hardware ^(†)		2016	JMTC / Rock Island Arsenal	MIPR	JMTC, Rock Island, IL	Nov 2015	Apr 2016	20	235.000			

^(†) indicates the presence of a P-21

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Exhibit P-21, Production Schedule: PB 2016 Army															Date: February 2015														
Appropriation / Budget Activity / Budget Sub Activity: 2035A / 03 / 45										P-1 Line Item Number / Title: G05301 / Mobile Maintenance Equipment Systems										Item Number / Title [DODIC]: G05320 / FIRE SUPPRESSION REFILL SYSTEM (FSRS)									

Cost Elements <i>(Units in Each)</i>						Fiscal Year 2015												Fiscal Year 2016													
O C C O	M F R #	FY	SERVICE	PROC QTY	ACCEPT PRIOR TO 1 OCT 2014	BAL DUE AS OF 1 OCT	Calendar Year 2015												Calendar Year 2016												
							O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	B A L
Fire Suppression Refill System Hardware																															
	1	2015	ARMY	16	-	16		A -	-	-	-	-	1	1	1	1	1	1	2	1	2	2	2						-		
	1	2016	ARMY	20	-	20													A -	-	-	-	-	2	2	2	2	2	8		
							O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	B A L

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Exhibit P-21, Production Schedule: PB 2016 Army															Date: February 2015														
Appropriation / Budget Activity / Budget Sub Activity: 2035A / 03 / 45										P-1 Line Item Number / Title: G05301 / Mobile Maintenance Equipment Systems										Item Number / Title [DODIC]: G05320 / FIRE SUPPRESSION REFILL SYSTEM (FSRS)									

Cost Elements <i>(Units in Each)</i>						Fiscal Year 2017												Fiscal Year 2018													
O C C O	M F R #	FY	SERVICE	PROC QTY	ACCEPT PRIOR TO 1 OCT 2016	BAL DUE AS OF 1 OCT	Calendar Year 2017												Calendar Year 2018												B A L
							O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	
Fire Suppression Refill System Hardware																															
	1	2015	ARMY	16	16	-																								-	
	1	2016	ARMY	20	12	8	2	2	1	1	1	1																		-	
							O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	B A L

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Exhibit P-21, Production Schedule: PB 2016 Army		Date: February 2015
Appropriation / Budget Activity / Budget Sub Activity: 2035A / 03 / 45		P-1 Line Item Number / Title: G05301 / Mobile Maintenance Equipment Systems
		Item Number / Title [DODIC]: G05320 / FIRE SUPPRESSION REFILL SYSTEM (FSRS)

MFR Ref #	MFR Name - Location	Production Rates (Each / Month)			Procurement Leadtime (Months)							
		MSR For 2016	1-8-5 For 2016	MAX For 2016	Initial				Reorder			
					ALT Prior to Oct 1	ALT After Oct 1	Mfg PLT	Total After Oct 1	ALT Prior to Oct 1	ALT After Oct 1	Mfg PLT	Total After Oct 1
1	JMTC - Rock Island Arsenal	1	5	10	-	1	5	6	-	1	5	6

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

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

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Exhibit P-5, Cost Analysis: PB 2016 Army		Date: February 2015
Appropriation / Budget Activity / Budget Sub Activity: 2035A / 03 / 45		P-1 Line Item Number / Title: G05301 / Mobile Maintenance Equipment Systems
		Item Number / Title [DODIC]: G05330 / ARMAMENT REPAIR SHOP SET (ARSS)

ID Code (A=Service Ready, B=Not Service Ready) : B	MDAP/MAIS Code:
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Resource Summary	Prior Years	FY 2014	FY 2015	FY 2016 Base	FY 2016 OCO	FY 2016 Total
Procurement Quantity (Units in Each)	-	6	25	25	-	25
Gross/Weapon System Cost (\$ in Millions)	-	3.157	10.426	10.386	-	10.386
Less PY Advance Procurement (\$ in Millions)	-	-	-	-	-	-
Net Procurement (P1) (\$ in Millions)	-	3.157	10.426	10.386	-	10.386
Plus CY Advance Procurement (\$ in Millions)	-	-	-	-	-	-
Total Obligation Authority (\$ in Millions)	-	3.157	10.426	10.386	-	10.386

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

Initial Spares (\$ in Millions)	-	-	-	-	-	-
Gross/Weapon System Unit Cost (\$ in Thousands)	-	526.167	417.040	415.440	-	415.440

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

Cost Elements	Prior Years			FY 2014			FY 2015			FY 2016 Base			FY 2016 OCO			FY 2016 Total		
	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)
Flyaway Cost																		
Non Recurring Cost																		
Engineering	-	-	-	-	-	-	-	-	-	-	-	0.075	-	-	-	-	-	0.075
Quality Assurance	-	-	-	-	-	-	-	-	-	-	-	0.038	-	-	-	-	-	0.038
<i>Subtotal: Non Recurring Cost</i>	-	-	-	-	-	-	-	-	-	-	-	0.113	-	-	-	-	-	0.113
<i>Subtotal: Flyaway Cost</i>	-	-	-	-	-	-	-	-	-	-	-	0.113	-	-	-	-	-	0.113
Hardware Cost																		
Recurring Cost																		
ARSS Hardware ^(†)	-	-	-	383.000	6	2.298	383.000	25	9.575	395.000	25	9.875	-	-	-	395.000	25	9.875
Engineering Change Proposals	-	-	-	-	-	0.050	-	-	0.050	-	-	0.050	-	-	-	-	-	0.050
<i>Subtotal: Recurring Cost</i>	-	-	-	-	-	2.348	-	-	9.625	-	-	9.925	-	-	-	-	-	9.925
<i>Subtotal: Hardware Cost</i>	-	-	-	-	-	2.348	-	-	9.625	-	-	9.925	-	-	-	-	-	9.925
Package Fielding Cost																		
Recurring Cost																		
Fielding Support	-	-	-	-	-	0.050	-	-	0.050	-	-	0.050	-	-	-	-	-	0.050
<i>Subtotal: Recurring Cost</i>	-	-	-	-	-	0.050	-	-	0.050	-	-	0.050	-	-	-	-	-	0.050
<i>Subtotal: Package Fielding Cost</i>	-	-	-	-	-	0.050	-	-	0.050	-	-	0.050	-	-	-	-	-	0.050
Logistics Cost																		
Non Recurring Cost																		

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Exhibit P-5, Cost Analysis: PB 2016 Army		Date: February 2015
Appropriation / Budget Activity / Budget Sub Activity: 2035A / 03 / 45		P-1 Line Item Number / Title: G05301 / Mobile Maintenance Equipment Systems
ID Code (A=Service Ready, B=Not Service Ready) : B		MDAP/MAIS Code:
Item Number / Title [DODIC]: G05330 / ARMAMENT REPAIR SHOP SET (ARSS)		

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

Cost Elements	Prior Years			FY 2014			FY 2015			FY 2016 Base			FY 2016 OCO			FY 2016 Total		
	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)
Transportation	-	-	-	-	-	0.050	-	-	0.050	-	-	0.050	-	-	-	-	-	0.050
<i>Subtotal: Non Recurring Cost</i>	-	-	-	-	-	0.050	-	-	0.050	-	-	0.050	-	-	-	-	-	0.050
<i>Subtotal: Logistics Cost</i>	-	-	-	-	-	0.050	-	-	0.050	-	-	0.050	-	-	-	-	-	0.050
Support Cost																		
Program Support	-	-	-	-	-	0.709	-	-	0.701	-	-	0.248	-	-	-	-	-	0.248
<i>Subtotal: Support Cost</i>	-	-	-	-	-	0.709	-	-	0.701	-	-	0.248	-	-	-	-	-	0.248
Gross/Weapon System Cost	-	-	-	526.167	6	3.157	417.040	25	10.426	415.440	25	10.386	-	-	-	415.440	25	10.386

Secondary Distribution		FY 2014	FY 2015	FY 2016 Base	FY 2016 OCO	FY 2016 Total
Army	Quantity	2	11	10	-	10
	Total Obligation Authority	1.052	4.342	4.362	-	4.362
ANG	Quantity	4	13	12	-	12
	Total Obligation Authority	2.105	5.213	5.193	-	5.193
AR	Quantity	-	1	3	-	3
	Total Obligation Authority	-	0.871	0.831	-	0.831
Total: Secondary Distribution	Quantity	6	25	25	-	25
	Total Obligation Authority	3.157	10.426	10.386	-	10.386

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

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Exhibit P-5a, Procurement History and Planning: PB 2016 Army							Date: February 2015					
Appropriation / Budget Activity / Budget Sub Activity: 2035A / 03 / 45			P-1 Line Item Number / Title: G05301 / Mobile Maintenance Equipment Systems				Item Number / Title [DODIC]: G05330 / ARMAMENT REPAIR SHOP SET (ARSS)					

Cost Elements	O C O	FY	Contractor and Location	Method/Type or Funding Vehicle	Location of PCO	Award Date	Date of First Delivery	Qty <i>(Each)</i>	Unit Cost <i>(\$ K)</i>	Specs Avail Now?	Date Revision Available	RFP Issue Date
ARSS Hardware ^(t)		2014	Tobyhanna Army Depot / Tobyhanna	MIPR	TOBYHANNA ARMY DEPOT, PA	Mar 2014	Aug 2014	6	383.000			
ARSS Hardware ^(t)		2015	Tobyhanna Army Depot / Tobyhanna	MIPR	TOBYHANNA ARMY DEPOT, PA	Nov 2014	Feb 2015	25	383.000			
ARSS Hardware ^(t)		2016	Tobyhanna Army Depot / Tobyhanna	MIPR	TOBYHANNA ARMY DEPOT, PA	Nov 2015	Feb 2016	25	395.000			

^(t) indicates the presence of a P-21

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Exhibit P-21, Production Schedule: PB 2016 Army		Date: February 2015
Appropriation / Budget Activity / Budget Sub Activity: 2035A / 03 / 45		P-1 Line Item Number / Title: G05301 / Mobile Maintenance Equipment Systems
		Item Number / Title [DODIC]: G05330 / ARMAMENT REPAIR SHOP SET (ARSS)

MFR Ref #	MFR Name - Location	Production Rates (Each / Month)			Procurement Leadtime (Months)							
		MSR For 2016	1-8-5 For 2016	MAX For 2016	Initial			Reorder				
					ALT Prior to Oct 1	ALT After Oct 1	Mfg PLT	ALT Prior to Oct 1	ALT After Oct 1	Mfg PLT	Total After Oct 1	
1	Tobyhanna Army Depot - Tobyhanna	1	10	18	-	1	5	6	-	1	3	4

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

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

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

Appropriation / Budget Activity / Budget Sub Activity: 2035A: Other Procurement, Army / BA 03: Other Support Equipment / BSA 45: Maintenance Equipment	P-1 Line Item Number / Title: ML5345 / Items Less Than \$5.0M (Maint Eq)
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ID Code (A=Service Ready, B=Not Service Ready) :		Program Elements for Code B Items:					Other Related Program Elements:					
Resource Summary	Prior Years	FY 2014	FY 2015	FY 2016 Base	FY 2016 OCO	FY 2016 Total	FY 2017	FY 2018	FY 2019	FY 2020	To Complete	Total
Procurement Quantity (Units in Each)	2	681	585	-	-	-	433	433	433	590	Continuing	Continuing
Gross/Weapon System Cost (\$ in Millions)	107.765	3.860	2.789	2.760	-	2.760	2.759	2.759	2.767	3.771	Continuing	Continuing
Less PY Advance Procurement (\$ in Millions)	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P1) (\$ in Millions)	107.765	3.860	2.789	2.760	-	2.760	2.759	2.759	2.767	3.771	Continuing	Continuing
Plus CY Advance Procurement (\$ in Millions)	-	-	-	-	-	-	-	-	-	-	-	-
Total Obligation Authority (\$ in Millions)	107.765	3.860	2.789	2.760	-	2.760	2.759	2.759	2.767	3.771	Continuing	Continuing
<i>(The following Resource Summary rows are for informational purposes only. The corresponding budget requests are documented elsewhere.)</i>												
Initial Spares (\$ in Millions)	-	-	-	-	-	-	-	-	-	-	-	-
Flyaway Unit Cost (\$ in Thousands)	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Unit Cost (\$ in Thousands)	53,882.500	5.668	4.768	6.374	-	6.374	6.372	6.372	6.390	6.392	Continuing	Continuing

Description:

Items Less Than \$5 Million (Maintenance Equipment): Acquire and field maintenance support equipment, such as the Machinist Measuring Tool Set (MMTS), and the Load Bank System Tactical Electric Power (TEP) with improved, modernized, standardized, and centralized maintenance Sets, Kits, Outfits, and Tools (SKOT).

The Machinist Measuring Tool Set (MMTS) provides necessary components for general machinist's use. The MMTS facilitates fabrication, repair, and modifications of metallic and nonmetallic parts, and supports metalworking shop activities. The MMTS supplements the Metal Working & Machining Shop Set (MWMSS) by providing an authorized set of hand tools and personal protective equipment necessary for the 91E Soldier to conduct welding and machining operations. The set consists of a tool box and 73 components (i.e. gauges, calipers, rulers, hammer, punches, etc.). Army Acquisition Objective (AAO) for MMTS is 2449.

The Load Bank System Tactical Electric Power (TEP) maintenance equipment enables units to properly maintain equipment and perform the mandatory maintenance operations as well as perform diagnostics and post-verification testing on all small and medium tactical generators (2 to 75 kw) which enable readiness of weapons systems. This equipment allows soldiers to properly and adequately maintain reliable systems that meet Soldier safety, supportability, and mobility requirements, thereby reducing the risk to the warfighter.

The Load Bank System is a key maintenance enabler for the Tactical Electric Power (TEP) generator sets. TEP generator sets provide power to critical life saving operations such as field hospitals that provide medical support to combat wounded soldiers, satellite and land communication systems to communicate with soldiers in convoys and foot patrols, Tactical Operation Centers and various soldier life support operations. The Load Bank is a critical maintenance tool for TEP generators. It is a soldier-portable system required for performing diagnostics, repairs and post verification testing on all small and medium tactical generators of the Army's tactical fleet. Load Banks are required to: verify the generator can provide clean uninterrupted power output without electrical fluctuations which can injure soldiers and damage Army equipment, perform accurate diagnostic, repair, scheduled maintenance, troubleshooting and post repair performance verification testing; verify that small and medium generator sets can provide 100% of rated power output; allows maintainers to 'burn out' fuel/carbon accumulations due to under-loading the generator set for extended periods. The capability that Load Banks provide to load test generator sets is an essential function that Army maintenance units require to support combat and peacetime operations. This is an Army requirement expressed in generator set field level maintenance technical manuals. There is a recognized Table of Equipment (TOE)/Modified TOE (MTOE) requirement for TEP generator sets. Army Acquisition Objective (AAO) for Load Bank System Tactical Electric Power (TEP) is 2222.

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

Appropriation / Budget Activity / Budget Sub Activity: 2035A: Other Procurement, Army / BA 03: Other Support Equipment / BSA 45: Maintenance Equipment	P-1 Line Item Number / Title: ML5345 / Items Less Than \$5.0M (Maint Eq)
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ID Code (A=Service Ready, B=Not Service Ready) :	Program Elements for Code B Items:	Other Related Program Elements:
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Secondary Distribution		FY 2014	FY 2015	FY 2016 Base	FY 2016 OCO	FY 2016 Total	FY 2017	FY 2018	FY 2019	FY 2020
Army	Quantity	333	306	228	-	228	228	228	236	305
	Total Obligation Authority	1.873	1.433	1.419	-	1.419	1.418	1.418	1.426	1.936
ANG	Quantity	324	277	203	-	203	203	203	193	281
	Total Obligation Authority	1.833	1.323	1.328	-	1.328	1.328	1.328	1.328	1.805
AR	Quantity	24	2	2	-	2	2	2	4	4
	Total Obligation Authority	0.154	0.033	0.013	-	0.013	0.013	0.013	0.013	0.030
Total:	Quantity	681	585	433	-	433	433	433	433	590
Secondary Distribution	Total Obligation Authority	3.860	2.789	2.760	-	2.760	2.759	2.759	2.767	3.771

Justification:
 FY16 Base funding in the amount of \$2.760 million will procure 258 Machinist Measuring Tool Sets, and 175 Load Bank System Tactical Electric Power (TEP). The maintenance equipment is essential for units to properly maintain equipment and perform the mandatory maintenance operations and perform diagnostic testing which maintains the readiness of weapons systems. This equipment allows soldiers to properly and adequately maintain vehicles and systems. Properly maintained systems perform at maximum capability, with improved safety and reduced risk to the warfighter. This equipment supports combat operations, Army Force Regeneration and unit Mission Essential Task List (METL) requirements. The Army modularity requires reliable systems that support soldier safety, supportability, and mobility requirements. SKOT systems require continuous review, revision, and upgrades to support modularity requirements.

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.

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

Appropriation / Budget Activity / Budget Sub Activity: 2035A: Other Procurement, Army / BA 03: Other Support Equipment / BSA 50: Construction Equipment	P-1 Line Item Number / Title: R03800 / Grader, Road Mtzd, Hvy, 6X4 (CCE)
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ID Code (A=Service Ready, B=Not Service Ready) : B	Program Elements for Code B Items:	Other Related Program Elements:
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Resource Summary	Prior Years	FY 2014	FY 2015	FY 2016 Base	FY 2016 OCO	FY 2016 Total	FY 2017	FY 2018	FY 2019	FY 2020	To Complete	Total
Procurement Quantity <i>(Units in Each)</i>	353	7	22	21	-	21	6	-	-	-	-	409
Gross/Weapon System Cost <i>(\$ in Millions)</i>	187.875	2.000	5.827	5.903	-	5.903	1.770	-	-	-	-	203.375
Less PY Advance Procurement <i>(\$ in Millions)</i>	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P1) <i>(\$ in Millions)</i>	187.875	2.000	5.827	5.903	-	5.903	1.770	-	-	-	-	203.375
Plus CY Advance Procurement <i>(\$ in Millions)</i>	-	-	-	-	-	-	-	-	-	-	-	-
Total Obligation Authority <i>(\$ in Millions)</i>	187.875	2.000	5.827	5.903	-	5.903	1.770	-	-	-	-	203.375

(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>	532.224	285.714	264.864	281.095	-	281.095	295.000	-	-	-	-	497.249

Description:

Graders are used by Horizontal Companies, Engineer Support Companies, Clearance Companies, Asphalt Teams and Quarry Platoons in support of engineer requirements. The grader is diesel-engine driven, pneumatic tired, with articulated frame steering. It is equipped with a power shift transmission, fully enclosed cab, hydraulically operated blade and scarifier. The Grader may be driven from one work site to another and is used for grading, shaping, bank sloping, ditching, scarifying, general construction and maintenance of roads and airfields. A Basis of Issue Plan (BOIP) increase was approved in FY11 increasing the Army Acquisition Objective (AAO) to 964 (932 Type I & 32 Type IA). The Grader is a commercial off the shelf (COTS) program that is considered a Critical Dual Use (CDU) system enabling and supporting Defense Support to Civil Authorities (DSCA) operations.

Secondary Distribution		FY 2014	FY 2015	FY 2016 Base	FY 2016 OCO	FY 2016 Total	FY 2017	FY 2018	FY 2019	FY 2020
Army	Quantity	7	22	17	-	17	-	-	-	-
	Total Obligation Authority	2.000	5.827	4.840	-	4.840	-	-	-	-
ANG	Quantity	-	-	4	-	4	-	-	-	-
	Total Obligation Authority	-	-	1.063	-	1.063	-	-	-	-
AR	Quantity	-	-	-	-	-	6	-	-	-
	Total Obligation Authority	-	-	-	-	-	1.770	-	-	-
Total:	Quantity	7	22	21	-	21	6	-	-	-
Secondary Distribution	Total Obligation Authority	2.000	5.827	5.903	-	5.903	1.770	-	-	-

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

Appropriation / Budget Activity / Budget Sub Activity:
2035A: Other Procurement, Army / BA 03: Other Support Equipment / BSA 50: Construction Equipment

P-1 Line Item Number / Title:
R03800 / Grader, Road Mtzd, Hvy, 6X4 (CCE)

Exhibits Schedule			Prior Years	FY 2014	FY 2015	FY 2016 Base	FY 2016 OCO	FY 2016 Total
Title*	Exhibits	ID CD	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)
R03801 / GRADER, MTZD, HVY	P-5, P-5a	B	353 / 187.875	7 / 2.000	22 / 5.827	21 / 5.903	- / -	21 / 5.903
Total Gross/Weapon System Cost			353 / 187.875	7 / 2.000	22 / 5.827	21 / 5.903	- / -	21 / 5.903

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

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

Justification:
FY2016 Base funding in the amount of \$5.903 million procures 21 Type IA (Air Droppable) graders in support of the Active Army, national guards and Reserve units. The Grader provides the Army forces improved mobility and deployability to meet Army requirements. New Graders will provide updated technology, electronics, and hydraulics which will increase the current readiness and reduce the logistics footprint. This program is considered a Critical Dual Use (CDU) system enabling and supporting Defense Support to Civil Authorities (DSCA) operations.

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

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Exhibit P-5, Cost Analysis: PB 2016 Army		Date: February 2015
Appropriation / Budget Activity / Budget Sub Activity: 2035A / 03 / 50	P-1 Line Item Number / Title: R03800 / Grader, Road Mtzd, Hvy, 6X4 (CCE)	Item Number / Title [DODIC]: R03801 / GRADER, MTZD, HVY

ID Code (A=Service Ready, B=Not Service Ready) : B	MDAP/MAIS Code:
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Resource Summary	Prior Years	FY 2014	FY 2015	FY 2016 Base	FY 2016 OCO	FY 2016 Total
Procurement Quantity <i>(Units in Each)</i>	353	7	22	21	-	21
Gross/Weapon System Cost <i>(\$ in Millions)</i>	187.875	2.000	5.827	5.903	-	5.903
Less PY Advance Procurement <i>(\$ in Millions)</i>	-	-	-	-	-	-
Net Procurement (P1) <i>(\$ in Millions)</i>	187.875	2.000	5.827	5.903	-	5.903
Plus CY Advance Procurement <i>(\$ in Millions)</i>	-	-	-	-	-	-
Total Obligation Authority <i>(\$ in Millions)</i>	187.875	2.000	5.827	5.903	-	5.903

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

Initial Spares <i>(\$ in Millions)</i>	-	-	-	-	-	-
Gross/Weapon System Unit Cost <i>(\$ in Thousands)</i>	532.224	285.714	264.864	281.095	-	281.095

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

Cost Elements	Prior Years			FY 2014			FY 2015			FY 2016 Base			FY 2016 OCO			FY 2016 Total		
	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)
Flyaway Cost																		
Recurring Cost																		
Hardware ^(†)	480.000	353	169.440	253.000	7	1.771	253.000	22	5.566	253.000	21	5.313	-	-	-	253.000	21	5.313
Engineering Changes	-	-	0.930	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
System Engineering/ Program Management	-	-	2.734	-	-	0.129	-	-	0.111	-	-	0.150	-	-	-	-	-	0.150
Training	-	-	1.063	-	-	-	-	-	-	-	-	0.203	-	-	-	-	-	0.203
Data	-	-	1.861	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Support Equipment	-	-	5.471	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Fielding	-	-	6.376	-	-	0.100	-	-	0.150	-	-	0.237	-	-	-	-	-	0.237
<i>Subtotal: Recurring Cost</i>	-	-	187.875	-	-	2.000	-	-	5.827	-	-	5.903	-	-	-	-	-	5.903
<i>Subtotal: Flyaway Cost</i>	-	-	187.875	-	-	2.000	-	-	5.827	-	-	5.903	-	-	-	-	-	5.903
Gross/Weapon System Cost	532.224	353	187.875	285.714	7	2.000	264.864	22	5.827	281.095	21	5.903	-	-	-	281.095	21	5.903

Secondary Distribution		FY 2014	FY 2015	FY 2016 Base	FY 2016 OCO	FY 2016 Total
Army	Quantity	7	22	17	-	17
	Total Obligation Authority	2.000	5.827	4.840	-	4.840
ANG	Quantity	-	-	4	-	4
	Total Obligation Authority	-	-	1.063	-	1.063
Total:	Quantity	7	22	21	-	21

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Exhibit P-5, Cost Analysis: PB 2016 Army			Date: February 2015			
Appropriation / Budget Activity / Budget Sub Activity: 2035A / 03 / 50		P-1 Line Item Number / Title: R03800 / Grader, Road Mtzd, Hvy, 6X4 (CCE)		Item Number / Title [DODIC]: R03801 / GRADER, MTZD, HVY		
ID Code (A=Service Ready, B=Not Service Ready) : B			MDAP/MAIS Code:			
Secondary Distribution		FY 2014	FY 2015	FY 2016 Base	FY 2016 OCO	FY 2016 Total
Secondary Distribution	Total Obligation Authority	2.000	5.827	5.903	-	5.903

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

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

Appropriation / Budget Activity / Budget Sub Activity: 2035A / 03 / 50	P-1 Line Item Number / Title: R03800 / Grader, Road Mtzd, Hvy, 6X4 (CCE)	Item Number / Title [DODIC]: R03801 / GRADER, MTZD, HVY
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Cost Elements	O C O	FY	Contractor and Location	Method/Type or Funding Vehicle	Location of PCO	Award Date	Date of First Delivery	Qty <i>(Each)</i>	Unit Cost <i>(\$ K)</i>	Specs Avail Now?	Date Revision Available	RFP Issue Date
Hardware		2014	Caterpillar / Peoria	C / FFP	TACOM, Warren, MI	Jan 2014	Jul 2014	7	253.000	N		
Hardware		2015	Caterpillar / Peoria	C / FFP	TACOM, Warren, MI	Jan 2015	Jul 2015	22	253.000	N		
Hardware		2016	Caterpillar / Peoria	C / FFP	TACOM, Warren, MI	Jan 2016	Jul 2016	21	253.000	N		

Remarks:
This is a commercial off the shelf (COTS) program.

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

Appropriation / Budget Activity / Budget Sub Activity: 2035A: Other Procurement, Army / BA 03: Other Support Equipment / BSA 50: Construction Equipment	P-1 Line Item Number / Title: RA0100 / Scrapers, Earthmoving
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ID Code (A=Service Ready, B=Not Service Ready) : A	Program Elements for Code B Items:	Other Related Program Elements:
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Resource Summary	Prior Years	FY 2014	FY 2015	FY 2016 Base	FY 2016 OCO	FY 2016 Total	FY 2017	FY 2018	FY 2019	FY 2020	To Complete	Total
Procurement Quantity <i>(Units in Each)</i>	1,147	58	22	38	-	38	22	38	-	-	-	1,325
Gross/Weapon System Cost <i>(\$ in Millions)</i>	175.847	36.078	14.926	26.125	-	26.125	16.661	28.948	-	-	-	298.585
Less PY Advance Procurement <i>(\$ in Millions)</i>	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P1) <i>(\$ in Millions)</i>	175.847	36.078	14.926	26.125	-	26.125	16.661	28.948	-	-	-	298.585
Plus CY Advance Procurement <i>(\$ in Millions)</i>	-	-	-	-	-	-	-	-	-	-	-	-
Total Obligation Authority <i>(\$ in Millions)</i>	175.847	36.078	14.926	26.125	-	26.125	16.661	28.948	-	-	-	298.585

(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>	153.310	622.034	678.455	687.500	-	687.500	757.318	761.789	-	-	-	225.347

Description:

The 14-18 Cubic Yard Heavy Scraper will be used by Horizontal Construction Companies. It is a self-propelled, open bowl, two axle, single diesel engine driven, articulated frame steer vehicle with pneumatic tires. The self-propelled Scraper can work alone and self load, but at reduced production capacity. It provides a hauling and dumping capability to perform efficient earthmoving tasks in support of earthmoving projects. The Heavy Scraper provides the Army Engineers essential equipment to perform their road and airfield construction and site preparation missions. The Army Acquisition Objective (AAO) is 601. In addition the Army requirement for Armor Kits is 200. This Scraper is a commercial off the shelf (COTS) program.

Secondary Distribution		FY 2014	FY 2015	FY 2016 Base	FY 2016 OCO	FY 2016 Total	FY 2017	FY 2018	FY 2019	FY 2020
Army	Quantity	10	17	18	-	18	6	6	-	-
	Total Obligation Authority	6.220	11.628	12.074	-	12.074	3.964	3.936	-	-
ANG	Quantity	30	-	20	-	20	16	32	-	-
	Total Obligation Authority	18.661	-	14.051	-	14.051	12.697	25.012	-	-
AR	Quantity	18	5	-	-	-	-	-	-	-
	Total Obligation Authority	11.197	3.298	-	-	-	-	-	-	-
Total:	Quantity	58	22	38	-	38	22	38	-	-
Secondary Distribution	Total Obligation Authority	36.078	14.926	26.125	-	26.125	16.661	28.948	-	-

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

Appropriation / Budget Activity / Budget Sub Activity:
 2035A: Other Procurement, Army / BA 03: Other Support Equipment / BSA 50: Construction Equipment

P-1 Line Item Number / Title:
 RA0100 / Scrapers, Earthmoving

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

Exhibits Schedule			Prior Years	FY 2014	FY 2015	FY 2016 Base	FY 2016 OCO	FY 2016 Total
Title*	Exhibits	ID CD	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)
R02800 / SCRAPER, EARTHMOVING, 14-18 CU YD	P-5, P-5a	B	1,147 / 175.847	58 / 36.078	22 / 14.926	38 / 26.125	- / -	38 / 26.125
Total Gross/Weapon System Cost			1,147 / 175.847	58 / 36.078	22 / 14.926	38 / 26.125	- / -	38 / 26.125

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

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

Justification:
 FY 2016 Base funding in the amount of \$26.125 million procures 38 Heavy Scrapers & 10 Armor Kits in support of the Active Army, National Guard and Reserve Units. The Scraper provides the Army's forces improved mobility and deployability to meet Army requirements. New Scrapers will provide updated technology, electronics, and hydraulics which will increase the current readiness and reduce the logistics footprint. This program is considered a Critical Dual Use (CDU) system enabling and supporting Defense Support to Civil Authorities (DSCA) 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 military support to civil authorities.

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Exhibit P-5, Cost Analysis: PB 2016 Army		Date: February 2015
Appropriation / Budget Activity / Budget Sub Activity: 2035A / 03 / 50	P-1 Line Item Number / Title: RA0100 / Scrapers, Earthmoving	Item Number / Title [DODIC]: R02800 / SCRAPER, EARTHMOVING, 14-18 CU YD

ID Code (A=Service Ready, B=Not Service Ready) : B	MDAP/MAIS Code:
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Resource Summary	Prior Years	FY 2014	FY 2015	FY 2016 Base	FY 2016 OCO	FY 2016 Total
Procurement Quantity (Units in Each)	1,147	58	22	38	-	38
Gross/Weapon System Cost (\$ in Millions)	175.847	36.078	14.926	26.125	-	26.125
Less PY Advance Procurement (\$ in Millions)	-	-	-	-	-	-
Net Procurement (P1) (\$ in Millions)	175.847	36.078	14.926	26.125	-	26.125
Plus CY Advance Procurement (\$ in Millions)	-	-	-	-	-	-
Total Obligation Authority (\$ in Millions)	175.847	36.078	14.926	26.125	-	26.125

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

Initial Spares (\$ in Millions)	-	-	-	-	-	-
Gross/Weapon System Unit Cost (\$ in Thousands)	153.310	622.034	678.455	687.500	-	687.500

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

Cost Elements	Prior Years			FY 2014			FY 2015			FY 2016 Base			FY 2016 OCO			FY 2016 Total		
	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)
Flyaway Cost																		
Recurring Cost																		
Hardware ^(†)	146.000	1,147	167.462	580.000	54	31.320	580.000	22	12.760	593.000	38	22.534	-	-	-	593.000	38	22.534
Armor Kits	-	-	-	-	-	-	100.000	10	1.000	112.000	10	1.120	-	-	-	112.000	10	1.120
Engineering Changes	-	-	0.272	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
System Engineering/ Program Management	-	-	1.902	-	-	0.900	-	-	0.806	-	-	1.000	-	-	-	-	-	1.000
System Test & Evaluation, Production	-	-	1.350	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Training	-	-	0.100	-	-	2.902	-	-	-	-	-	0.866	-	-	-	-	-	0.866
Data	-	-	3.210	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Fielding	-	-	1.551	-	-	0.956	-	-	0.360	-	-	0.605	-	-	-	-	-	0.605
<i>Subtotal: Recurring Cost</i>	-	-	175.847	-	-	36.078	-	-	14.926	-	-	26.125	-	-	-	-	-	26.125
<i>Subtotal: Flyaway Cost</i>	-	-	175.847	-	-	36.078	-	-	14.926	-	-	26.125	-	-	-	-	-	26.125
Gross/Weapon System Cost	153.310	1,147	175.847	622.034	58	36.078	678.455	22	14.926	687.500	38	26.125	-	-	-	687.500	38	26.125

Secondary Distribution		FY 2014	FY 2015	FY 2016 Base	FY 2016 OCO	FY 2016 Total
Army	Quantity	10	17	18	-	18
	Total Obligation Authority	6.220	11.628	12.074	-	12.074
ANG	Quantity	30	-	20	-	20

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Exhibit P-5, Cost Analysis: PB 2016 Army		Date: February 2015
Appropriation / Budget Activity / Budget Sub Activity: 2035A / 03 / 50	P-1 Line Item Number / Title: RA0100 / Scrapers, Earthmoving	Item Number / Title [DODIC]: R02800 / SCRAPER, EARTHMOVING, 14-18 CU YD

ID Code (A=Service Ready, B=Not Service Ready) : B	MDAP/MAIS Code:
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Secondary Distribution		FY 2014	FY 2015	FY 2016 Base	FY 2016 OCO	FY 2016 Total
	Total Obligation Authority	18.661	-	14.051	-	14.051
AR	Quantity	18	5	-	-	-
	Total Obligation Authority	11.197	3.298	-	-	-
Total:	Quantity	58	22	38	-	38
Secondary Distribution	Total Obligation Authority	36.078	14.926	26.125	-	26.125

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

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Exhibit P-5a, Procurement History and Planning: PB 2016 Army							Date: February 2015					
Appropriation / Budget Activity / Budget Sub Activity: 2035A / 03 / 50			P-1 Line Item Number / Title: RA0100 / Scrapers, Earthmoving				Item Number / Title [DODIC]: R02800 / SCRAPER, EARTHMOVING, 14-18 CU YD					

Cost Elements	O C O	FY	Contractor and Location	Method/Type or Funding Vehicle	Location of PCO	Award Date	Date of First Delivery	Qty <i>(Each)</i>	Unit Cost <i>(\$ K)</i>	Specs Avail Now?	Date Revision Available	RFP Issue Date
Hardware		2014	Caterpillar / Peoria	C / FFP	Quantico, VA	Mar 2014	Sep 2014	54	580.000	N		
Hardware		2015	Caterpillar / Peoria	C / FFP	Quantico, VA	Mar 2015	Sep 2015	22	580.000	N		
Hardware		2016	Caterpillar / Peoria	C / FFP	Quantico, VA	Mar 2016	Sep 2016	38	593.000	N		

Remarks:
This is a commercial off the shelf (COTS) program.

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

Appropriation / Budget Activity / Budget Sub Activity: 2035A: Other Procurement, Army / BA 03: Other Support Equipment / BSA 50: Construction Equipment	P-1 Line Item Number / Title: X02300 / Compactor
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Resource Summary	Prior Years	Program Elements for Code B Items:					Other Related Program Elements:					
		FY 2014	FY 2015	FY 2016 Base	FY 2016 OCO	FY 2016 Total	FY 2017	FY 2018	FY 2019	FY 2020	To Complete	Total
Procurement Quantity (<i>Units in Each</i>)	1,348	-	617	-	-	-	-	-	-	-	-	1,965
Gross/Weapon System Cost (<i>\$ in Millions</i>)	51.075	-	4.348	-	-	-	-	-	-	-	-	55.423
Less PY Advance Procurement (<i>\$ in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P1) (<i>\$ in Millions</i>)	51.075	-	4.348	-	-	-	-	-	-	-	-	55.423
Plus CY Advance Procurement (<i>\$ in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Total Obligation Authority (<i>\$ in Millions</i>)	51.075	-	4.348	-	-	-	-	-	-	-	-	55.423

(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>)	37.889	-	7.047	-	-	-	-	-	-	-	-	28.205

Description:

Family of Compaction Systems includes: High Speed Compactor (HSC), Vibratory Roller, Type I and Vibratory Roller, Type II (R03301), Dual Steel Wheel Roller (DSWR) (R03500), Towed Pneumatic Roller (TPR) (R03402), and Vibratory Plate Compactor (VPC) (M08900).

The High Speed Compactor (HSC) is a self propelled tamping machine used for compaction of base materiel for roads and airfield runways.

The Vibratory Roller, Type I and Type II are self propelled, tamping machines for compacting during the construction of roads, airfields and dams.

The Dual Steel Wheel Roller (DSWR) is a tandem steel wheeled roller with vibratory mechanism use for compaction of asphalt, chip and seal surfaces.

The Towed Pneumatic Roller (TPR) is a tow behind compaction system equipped with 13 pneumatic-tires, used by airborne units for horizontal construction missions requiring dense compaction of various types of soil from natural run to modified mixtures.

The Vibratory Plate Compactor (VPC) is a hand guided and controlled reversible vibrator plate compactor capable of use as a general purpose trench, curb, and backfill compactor and can be used to patch asphalt.

Secondary Distribution		FY 2014	FY 2015	FY 2016 Base	FY 2016 OCO	FY 2016 Total	FY 2017	FY 2018	FY 2019	FY 2020
Army	Quantity	-	159	-	-	-	-	-	-	-
	Total Obligation Authority	-	1.116	-	-	-	-	-	-	-
ANG	Quantity	-	229	-	-	-	-	-	-	-

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

Appropriation / Budget Activity / Budget Sub Activity: 2035A: Other Procurement, Army / BA 03: Other Support Equipment / BSA 50: Construction Equipment	P-1 Line Item Number / Title: X02300 / Compactor
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ID Code (A=Service Ready, B=Not Service Ready) : A		Program Elements for Code B Items:				Other Related Program Elements:				
Secondary Distribution		FY 2014	FY 2015	FY 2016 Base	FY 2016 OCO	FY 2016 Total	FY 2017	FY 2018	FY 2019	FY 2020
	Total Obligation Authority	-	1.617	-	-	-	-	-	-	-
AR	Quantity	-	229	-	-	-	-	-	-	-
	Total Obligation Authority	-	1.615	-	-	-	-	-	-	-
Total:	Quantity	-	617	-	-	-	-	-	-	-
Secondary Distribution	Total Obligation Authority	-	4.348	-	-	-	-	-	-	-

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

Appropriation / Budget Activity / Budget Sub Activity:
 2035A: Other Procurement, Army / BA 03: Other Support Equipment / BSA 50: Construction Equipment

P-1 Line Item Number / Title:
 X02300 / Compactor

ID Code (A=Service Ready, B=Not Service Ready) : A			Program Elements for Code B Items:			Other Related Program Elements:		
Exhibits Schedule			Prior Years	FY 2014	FY 2015	FY 2016 Base	FY 2016 OCO	FY 2016 Total
Title*	Exhibits	ID CD	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)
R03300 / ROLLER, VIBRATORY, SELF-PROPELLED (CCE)	P-40a	A	- / 51.075	- / -	617 / 4.348	- / -	- / -	- / -
Total Gross/Weapon System Cost			1,348 / 51.075	- / -	617 / 4.348	- / -	- / -	- / -

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

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

Justification:
 This program has no FY 2016 Base or OCO procurement requests.

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Exhibit P-40a, Budget Item Justification For Aggregated Items: PB 2016 Army															Date: February 2015				
Appropriation / Budget Activity / Budget Sub Activity: 2035A / 03 / 50							P-1 Line Item Number / Title: X02300 / Compactor								Aggregated Items Title: Various				

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

Item Number / Title [DODIC]	ID CD	MDAP/MAIS Code	Prior Years			FY 2014			FY 2015			FY 2016 Base			FY 2016 OCO			FY 2016 Total		
			Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)
ROLLER, VIBRATORY, SELF-PROPELLED (CCE)																				
R03300 / ROLLER, VIBRATORY, SELF-PROPELLED (CCE)	A		-	-	51.075	-	-	-	7.047	617	4.348	-	-	-	-	-	-	-	-	
<i>Secondary Distribution</i>																				
Army			-	-	-	-	-	-	159	1.116	-	-	-	-	-	-	-	-	-	
ANG			-	-	-	-	-	-	229	1.617	-	-	-	-	-	-	-	-	-	
AR			-	-	-	-	-	-	229	1.615	-	-	-	-	-	-	-	-	-	
<i>Subtotal: ROLLER, VIBRATORY, SELF-PROPELLED (CCE)</i>			-	-	51.075	-	-	-	-	-	4.348	-	-	-	-	-	-	-	-	
Total			-	-	51.075	-	-	-	-	-	4.348	-	-	-	-	-	-	-	-	

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

Appropriation / Budget Activity / Budget Sub Activity: 2035A: Other Procurement, Army / BA 03: Other Support Equipment / BSA 50: Construction Equipment	P-1 Line Item Number / Title: X01500 / Hydraulic Excavator
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ID Code (A=Service Ready, B=Not Service Ready) : A		Program Elements for Code B Items:					Other Related Program Elements:					
Resource Summary	Prior Years	FY 2014	FY 2015	FY 2016 Base	FY 2016 OCO	FY 2016 Total	FY 2017	FY 2018	FY 2019	FY 2020	To Complete	Total
Procurement Quantity (<i>Units in Each</i>)	272	25	14	-	-	-	-	-	-	-	-	311
Gross/Weapon System Cost (<i>\$ in Millions</i>)	96.248	17.001	4.938	-	-	-	-	-	-	-	-	118.187
Less PY Advance Procurement (<i>\$ in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P1) (<i>\$ in Millions</i>)	96.248	17.001	4.938	-	-	-	-	-	-	-	-	118.187
Plus CY Advance Procurement (<i>\$ in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Total Obligation Authority (<i>\$ in Millions</i>)	96.248	17.001	4.938	-	-	-	-	-	-	-	-	118.187

(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>)	353.853	680.040	352.714	-	-	-	-	-	-	-	-	380.023

Description:

The Hydraulic Excavator Type I (HYEX-I) is a commercial off-the-shelf (COTS) vehicle with minor military modifications. It is diesel engine driven, self-propelled, track mounted, hydraulically controlled system, equipped with a hydraulic quick coupler system for use with a wide variety of attachments. The support equipment include a hydraulic impact breaker, plate compactor, crushing unit, barrier grapple, arm extension for dredging, and a variety of buckets for digging, dredging, and trenching. The HYEX-I provides engineer units a multi-functional construction capability that can dig, trench, dredge, scoop, lift, dump, and perform demolition to structures. The HYEX-I also has the capability to accept a Crew Protection Kit in the form of a replaceable armor C-Kit cab for contingency operations. The HYEX is fielded to Horizontal Construction Companies, Multi-Role Bridge Companies, and the TRADOC training base. The minimum monthly sustaining rate for the HYEX is 5 systems per month. The HYEX Type I Army Acquisition Objective (AAO) is 457.

Secondary Distribution		FY 2014	FY 2015	FY 2016 Base	FY 2016 OCO	FY 2016 Total	FY 2017	FY 2018	FY 2019	FY 2020
Army	Quantity	25	-	-	-	-	-	-	-	-
	Total Obligation Authority	17.001	-	-	-	-	-	-	-	-
AR	Quantity	-	14	-	-	-	-	-	-	-
	Total Obligation Authority	-	4.938	-	-	-	-	-	-	-
Total: Secondary Distribution	Quantity	25	14	-	-	-	-	-	-	-
	Total Obligation Authority	17.001	4.938	-	-	-	-	-	-	-

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

Appropriation / Budget Activity / Budget Sub Activity:
2035A: Other Procurement, Army / BA 03: Other Support Equipment / BSA 50: Construction Equipment

P-1 Line Item Number / Title:
X01500 / Hydraulic Excavator

Exhibits Schedule			Prior Years	FY 2014	FY 2015	FY 2016 Base	FY 2016 OCO	FY 2016 Total
Title*	Exhibits	ID CD	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)
X01500 / Hydraulic Excavator	P-5, P-5a	A	272 / 96.248	25 / 17.001	14 / 4.938	- / -	- / -	- / -
Total Gross/Weapon System Cost			272 / 96.248	25 / 17.001	14 / 4.938	- / -	- / -	- / -

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

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

Justification:

This program has no FY16 Base or OCO procurement funding.

This program is considered a Critical Dual Use (CDU) system enabling and supporting Defense Support to Civil Authorities (DSCA) 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 military support to civil authorities.

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Exhibit P-5, Cost Analysis: PB 2016 Army		Date: February 2015
Appropriation / Budget Activity / Budget Sub Activity: 2035A / 03 / 50	P-1 Line Item Number / Title: X01500 / Hydraulic Excavator	Item Number / Title [DODIC]: X01500 / Hydraulic Excavator

ID Code (A=Service Ready, B=Not Service Ready) : A	MDAP/MAIS Code:
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Resource Summary	Prior Years	FY 2014	FY 2015	FY 2016 Base	FY 2016 OCO	FY 2016 Total
Procurement Quantity (Units in Each)	272	25	14	-	-	-
Gross/Weapon System Cost (\$ in Millions)	96.248	17.001	4.938	-	-	-
Less PY Advance Procurement (\$ in Millions)	-	-	-	-	-	-
Net Procurement (P1) (\$ in Millions)	96.248	17.001	4.938	-	-	-
Plus CY Advance Procurement (\$ in Millions)	-	-	-	-	-	-
Total Obligation Authority (\$ in Millions)	96.248	17.001	4.938	-	-	-

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

Initial Spares (\$ in Millions)	-	-	-	-	-	-
Gross/Weapon System Unit Cost (\$ in Thousands)	353.853	680.040	352.714	-	-	-

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

Cost Elements	Prior Years			FY 2014			FY 2015			FY 2016 Base			FY 2016 OCO			FY 2016 Total		
	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)
Flyaway Cost																		
Recurring Cost																		
Hardware ^(†)	353.853	272	96.248	297.000	48	14.256	299.571	14	4.194	-	-	-	-	-	-	-	-	-
System Engineering/ Program Management	-	-	-	-	-	0.840	-	-	0.329	-	-	-	-	-	-	-	-	-
Data	-	-	-	-	-	0.044	-	-	-	-	-	-	-	-	-	-	-	-
Support Equipment	-	-	-	-	-	1.170	-	-	-	-	-	-	-	-	-	-	-	-
Fielding	-	-	-	-	-	0.691	-	-	0.415	-	-	-	-	-	-	-	-	-
<i>Subtotal: Recurring Cost</i>	-	-	96.248	-	-	17.001	-	-	4.938	-	-	-	-	-	-	-	-	-
<i>Subtotal: Flyaway Cost</i>	-	-	96.248	-	-	17.001	-	-	4.938	-	-	-	-	-	-	-	-	-
Gross/Weapon System Cost	353.853	272	96.248	680.040	25	17.001	352.714	14	4.938	-	-	-	-	-	-	-	-	-

Secondary Distribution		FY 2014	FY 2015	FY 2016 Base	FY 2016 OCO	FY 2016 Total
Army	Quantity	25	-	-	-	-
	Total Obligation Authority	17.001	-	-	-	-
AR	Quantity	-	14	-	-	-
	Total Obligation Authority	-	4.938	-	-	-
Total: Secondary Distribution	Quantity	25	14	-	-	-
	Total Obligation Authority	17.001	4.938	-	-	-

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Exhibit P-5, Cost Analysis: PB 2016 Army		Date: February 2015
Appropriation / Budget Activity / Budget Sub Activity: 2035A / 03 / 50	P-1 Line Item Number / Title: X01500 / Hydraulic Excavator	Item Number / Title [DODIC]: X01500 / Hydraulic Excavator
ID Code (A=Service Ready, B=Not Service Ready) : A	MDAP/MAIS Code:	
^(†) indicates the presence of a P-5a		

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Exhibit P-5a, Procurement History and Planning: PB 2016 Army							Date: February 2015					
Appropriation / Budget Activity / Budget Sub Activity: 2035A / 03 / 50			P-1 Line Item Number / Title: X01500 / Hydraulic Excavator				Item Number / Title [DODIC]: X01500 / Hydraulic Excavator					
Cost Elements	O C O	FY	Contractor and Location	Method/Type or Funding Vehicle	Location of PCO	Award Date	Date of First Delivery	Qty <i>(Each)</i>	Unit Cost <i>(\$ K)</i>	Specs Avail Now?	Date Revision Available	RFP Issue Date
Hardware		2014	John Deere / Moline	C / FFP	Warren, MI	Dec 2013	Dec 2014	48	297.000	Y		
Hardware		2015	John Deere / Moline	C / FFP	Warren, MI	Dec 2014	Dec 2015	14	299.571	Y		

Remarks:
The Hydraulic Excavator Type I (HYEX-I) is a commercial off-the-shelf (COTS) vehicle with minor military modifications.

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

Appropriation / Budget Activity / Budget Sub Activity:
2035A: Other Procurement, Army / BA 03: Other Support Equipment / BSA 50: Construction Equipment

P-1 Line Item Number / Title:
M05800 / Tractor, Full Tracked

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

Resource Summary	Prior Years	FY 2014	FY 2015	FY 2016 Base	FY 2016 OCO	FY 2016 Total	FY 2017	FY 2018	FY 2019	FY 2020	To Complete	Total
Procurement Quantity (Units in Each)	6,255	79	95	71	-	71	-	-	-	-	-	6,500
Gross/Weapon System Cost (\$ in Millions)	514.064	28.828	34.071	27.156	-	27.156	-	-	-	-	-	604.119
Less PY Advance Procurement (\$ in Millions)	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P1) (\$ in Millions)	514.064	28.828	34.071	27.156	-	27.156	-	-	-	-	-	604.119
Plus CY Advance Procurement (\$ in Millions)	-	-	-	-	-	-	-	-	-	-	-	-
Total Obligation Authority (\$ in Millions)	514.064	28.828	34.071	27.156	-	27.156	-	-	-	-	-	604.119

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

Initial Spares (\$ in Millions)	-	-	-	-	-	-	-	-	-	-	-	-
Flyaway Unit Cost (\$ in Thousands)	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Unit Cost (\$ in Thousands)	82.184	364.911	358.642	382.479	-	382.479	-	-	-	-	-	92.941

Description:

This line covers both the Medium T9 Tractor, Full Track and Light T5 Tractor, Full Track. These are Bulldozers and are used to perform dozing, rough grading, cutting and filling, and ripping in support of general engineer construction tasks, to build and maintain roads, airfields and to build and support tactical missions. When equipped with armor protection, they fulfill the military requirements for mine clearing and military specific operations in a hostile environment. These Bulldozers are equipped with a powershift transmission and hydraulically operated semi-U type dozer blade. The dozers have either a winch or a ripper. Due to the low ground bearing pressure, the Dozer possesses the capability to work in adverse underfoot conditions and is normally one of the first pieces of construction equipment on a job site. The T9 Medium Tractor, Full Track, is a low speed, medium draw bar pull bulldozer with a blade and is a basic item of earthmoving equipment used for heavy dozing and clearing. The T-5 Tractor, Full Track is a smaller, air mobile, air droppable dozer used in airborne operations for construction and maintenance emplacements, roads and airfields. The Army Acquisition Objective (AAO) is 1,790 (T-9: 1502/T-5: 288), in addition the Armor Kit requirement is 366 (T-9: 318/T-5: 48). This is a commercial off the shelf (COTS) program. This program is considered a Critical Dual Use (CDU) system enabling and supporting Defense Support to Civil Authorities (DSCA) operations.

Secondary Distribution	FY 2014	FY 2015	FY 2016 Base	FY 2016 OCO	FY 2016 Total	FY 2017	FY 2018	FY 2019	FY 2020
Army									
Quantity	11	54	40	-	40	-	-	-	-
Total Obligation Authority	4.014	18.477	15.000	-	15.000	-	-	-	-
ANG									
Quantity	43	34	-	-	-	-	-	-	-
Total Obligation Authority	15.691	13.464	-	-	-	-	-	-	-
AR									
Quantity	25	7	31	-	31	-	-	-	-
Total Obligation Authority	9.123	2.130	12.156	-	12.156	-	-	-	-
Total:	Quantity	79	95	71	-	71	-	-	-

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

Appropriation / Budget Activity / Budget Sub Activity: 2035A: Other Procurement, Army / BA 03: Other Support Equipment / BSA 50: Construction Equipment	P-1 Line Item Number / Title: M05800 / Tractor, Full Tracked
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ID Code (A=Service Ready, B=Not Service Ready) : A		Program Elements for Code B Items:				Other Related Program Elements:				
Secondary Distribution		FY 2014	FY 2015	FY 2016 Base	FY 2016 OCO	FY 2016 Total	FY 2017	FY 2018	FY 2019	FY 2020
Secondary Distribution	Total Obligation Authority	28.828	34.071	27.156	-	27.156	-	-	-	-

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UNCLASSIFIED

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

Appropriation / Budget Activity / Budget Sub Activity: 2035A: Other Procurement, Army / BA 03: Other Support Equipment / BSA 50: Construction Equipment	P-1 Line Item Number / Title: M05800 / Tractor, Full Tracked
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ID Code (A=Service Ready, B=Not Service Ready) : A			Program Elements for Code B Items:			Other Related Program Elements:		
Exhibits Schedule			Prior Years	FY 2014	FY 2015	FY 2016 Base	FY 2016 OCO	FY 2016 Total
Title*	Exhibits	ID CD	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)
M06100 / TRACTOR FULL TRACKED, MED T-9	P-5, P-5a	B	6,255 / 514.064	79 / 28.828	95 / 34.071	71 / 27.156	- / -	71 / 27.156
Total Gross/Weapon System Cost			6,255 / 514.064	79 / 28.828	95 / 34.071	71 / 27.156	- / -	71 / 27.156

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

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

Justification:
 The FY 2016 Base procurement funds in the amount of \$27.156 million will procure 71 Medium T9 Tractor, Full Track to be used by Engineer Support Companies, Horizontal Companies, Clearance Companies, Quarry Companies, Equipment Support Platoons, Brigade Engineer Battalion, Modular AMMO Ordnance, QM Petrol P/L and Terminal OP CO, QM Petrol SPT PLT, Seaport Operations Company, Trans Modular Causeway Companies and Multi-Roll Bridge Companies in Active Army, Army Reserve and National Guard units. The tractors provide the Army's forces improved mobility and deployability to meet Army Modular Force requirements. T-5/T-9 Tractor, Full Track will provide current technology, electronics and hydraulics which will increase the current readiness rates, increase operational effectiveness and reduce the logistics footprint. The funding supports a balanced investment strategy for the Army's approved force structure and Army Force Generation (ARFORGEN) requirements.

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

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Exhibit P-5, Cost Analysis: PB 2016 Army		Date: February 2015
Appropriation / Budget Activity / Budget Sub Activity: 2035A / 03 / 50	P-1 Line Item Number / Title: M05800 / Tractor, Full Tracked	Item Number / Title [DODIC]: M06100 / TRACTOR FULL TRACKED, MED T-9

ID Code (A=Service Ready, B=Not Service Ready) : B	MDAP/MAIS Code:
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Resource Summary	Prior Years	FY 2014	FY 2015	FY 2016 Base	FY 2016 OCO	FY 2016 Total
Procurement Quantity (Units in Each)	6,255	79	95	71	-	71
Gross/Weapon System Cost (\$ in Millions)	514.064	28.828	34.071	27.156	-	27.156
Less PY Advance Procurement (\$ in Millions)	-	-	-	-	-	-
Net Procurement (P1) (\$ in Millions)	514.064	28.828	34.071	27.156	-	27.156
Plus CY Advance Procurement (\$ in Millions)	-	-	-	-	-	-
Total Obligation Authority (\$ in Millions)	514.064	28.828	34.071	27.156	-	27.156

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

Initial Spares (\$ in Millions)	-	-	-	-	-	-
Gross/Weapon System Unit Cost (\$ in Thousands)	82.184	364.911	358.642	382.479	-	382.479

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

Cost Elements	Prior Years			FY 2014			FY 2015			FY 2016 Base			FY 2016 OCO			FY 2016 Total		
	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)
Flyaway Cost																		
Recurring Cost																		
Hardware ^(†)	79.000	6,255	494.145	306.000	79	24.174	311.000	95	29.545	324.000	71	23.004	-	-	-	324.000	71	23.004
Armor Kits	-	-	-	-	-	-	108.000	11	1.188	-	-	-	-	-	-	-	-	-
Engineering Changes	-	-	1.329	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
System Engineering/ Program Management	-	-	4.849	-	-	1.816	-	-	1.541	-	-	1.576	-	-	-	-	-	1.576
System Test & Evaluation, Production	-	-	0.658	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Training	-	-	3.352	-	-	2.088	-	-	-	-	-	1.100	-	-	-	-	-	1.100
Data	-	-	3.481	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Fielding	-	-	6.250	-	-	0.750	-	-	1.797	-	-	1.476	-	-	-	-	-	1.476
<i>Subtotal: Recurring Cost</i>	-	-	514.064	-	-	28.828	-	-	34.071	-	-	27.156	-	-	-	-	-	27.156
<i>Subtotal: Flyaway Cost</i>	-	-	514.064	-	-	28.828	-	-	34.071	-	-	27.156	-	-	-	-	-	27.156
Gross/Weapon System Cost	82.184	6,255	514.064	364.911	79	28.828	358.642	95	34.071	382.479	71	27.156	-	-	-	382.479	71	27.156

Secondary Distribution		FY 2014	FY 2015	FY 2016 Base	FY 2016 OCO	FY 2016 Total
Army	Quantity	11	54	40	-	40
	Total Obligation Authority	4.014	18.477	15.000	-	15.000
ANG	Quantity	43	34	-	-	-

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Exhibit P-5, Cost Analysis: PB 2016 Army		Date: February 2015
Appropriation / Budget Activity / Budget Sub Activity: 2035A / 03 / 50	P-1 Line Item Number / Title: M05800 / Tractor, Full Tracked	Item Number / Title [DODIC]: M06100 / TRACTOR FULL TRACKED, MED T-9

ID Code (A=Service Ready, B=Not Service Ready) : B	MDAP/MAIS Code:
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Secondary Distribution		FY 2014	FY 2015	FY 2016 Base	FY 2016 OCO	FY 2016 Total
	Total Obligation Authority	15.691	13.464	-	-	-
AR	Quantity	25	7	31	-	31
	Total Obligation Authority	9.123	2.130	12.156	-	12.156
Total:	Quantity	79	95	71	-	71
Secondary Distribution	Total Obligation Authority	28.828	34.071	27.156	-	27.156

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

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Exhibit P-5a, Procurement History and Planning: PB 2016 Army							Date: February 2015					
Appropriation / Budget Activity / Budget Sub Activity: 2035A / 03 / 50			P-1 Line Item Number / Title: M05800 / Tractor, Full Tracked				Item Number / Title [DODIC]: M06100 / TRACTOR FULL TRACKED, MED T-9					

Cost Elements	O C O	FY	Contractor and Location	Method/Type or Funding Vehicle	Location of PCO	Award Date	Date of First Delivery	Qty <i>(Each)</i>	Unit Cost <i>(\$ K)</i>	Specs Avail Now?	Date Revision Available	RFP Issue Date
Hardware		2014	Caterpillar / Peoria IL	C / FFP	TACOM	Jan 2014	Oct 2014	79	306.000	N		
Hardware		2015	Caterpillar / Peoria IL	C / FFP	TACOM	Jan 2015	Oct 2015	95	311.000	N		
Hardware		2016	Caterpillar / Peoria IL	C / FFP	TACOM	Jan 2016	Oct 2016	71	324.000	N		

Remarks:
This is a commercial off the shelf (COTS) program.

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

Appropriation / Budget Activity / Budget Sub Activity: 2035A: Other Procurement, Army / BA 03: Other Support Equipment / BSA 50: Construction Equipment	P-1 Line Item Number / Title: R06701 / All Terrain Cranes
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ID Code (A=Service Ready, B=Not Service Ready) :	Program Elements for Code B Items:	Other Related Program Elements:
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Resource Summary	Prior Years	FY 2014	FY 2015	FY 2016 Base	FY 2016 OCO	FY 2016 Total	FY 2017	FY 2018	FY 2019	FY 2020	To Complete	Total
Procurement Quantity <i>(Units in Each)</i>	2	1	4	18	-	18	12	9	16	41	-	103
Gross/Weapon System Cost <i>(\$ in Millions)</i>	3.498	2.613	4.938	16.750	-	16.750	66.349	10.771	17.789	42.306	-	165.014
Less PY Advance Procurement <i>(\$ in Millions)</i>	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P1) <i>(\$ in Millions)</i>	3.498	2.613	4.938	16.750	-	16.750	66.349	10.771	17.789	42.306	-	165.014
Plus CY Advance Procurement <i>(\$ in Millions)</i>	-	-	-	-	-	-	-	-	-	-	-	-
Total Obligation Authority <i>(\$ in Millions)</i>	3.498	2.613	4.938	16.750	-	16.750	66.349	10.771	17.789	42.306	-	165.014

(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>	1,749.000	2,613.000	1,234.500	930.556	-	930.556	5,529.083	1,196.778	1,111.813	1,031.854	-	1,602.078

Description:

The All Terrain Cranes (ATC) Type I/II are self deployable systems capable of traveling on both primary and secondary roads with off road maneuverability. The ATC Type I provide light to medium lift capabilities at a capacity of 25 tons. The ATC Type II provides heavy lift capabilities required by the Engineer force at a capacity of 50 to 60 tons. The current program funding will acquire only the ATC Type II system. The ATC Type II provides mobility, survivability, and counter-mobility support across the entire range of theater operations supporting Maneuver BCTs, and/or Expeditionary Engineer Brigades. The ATC Type II supports Joint Force capabilities to repair and expand operating capacities of Ports of Embarkation (POE), Intermediate Staging Bases/Forward Operating Bases, Ports of Debarkation (POD), entry points and bridging in and around the battle space. The ATC Type II provides a capability to load and unload containers; support base camp construction, force protection, overhead lift operations; assist in the loading of earth, sand, gravel, rock, and bulk-type materials; drive steel, concrete, and timber piles; perform tasks supporting construction rehabilitation and maintenance of mooring systems, jetties, breakwaters, and other structures; participate in tasks that support construction of piers, wharves, ramps and related structures required for cargo loading and off-loading; and assist in the preparation and construction of facilities for Roll On Roll Off (RORO). The ATC Type II system is considered a Critical Dual Use (CDU) system, enabling and supporting Defense Support to Civil Authorities (DSCA) operations (i.e. Disaster Relief). ATC Army Acquisition Objective (AAO) is 339 Systems (Type I: 182; Type II: 157 Systems).

Funding of \$52.583 Million in FY 2017 represents a one-time procurement for the Military Ocean Terminal Concord (MOTCO) Crane.

Secondary Distribution	FY 2014	FY 2015	FY 2016 Base	FY 2016 OCO	FY 2016 Total	FY 2017	FY 2018	FY 2019	FY 2020	
Army	Quantity	1	-	5	-	5	7	4	-	21
	Total Obligation Authority	2.613	-	4.894	-	4.894	59.522	4.146	-	21.287
ANG	Quantity	-	4	8	-	8	3	3	7	10
	Total Obligation Authority	-	4.938	8.652	-	8.652	3.680	3.800	7.202	10.520
AR	Quantity	-	-	5	-	5	2	2	9	10

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

Appropriation / Budget Activity / Budget Sub Activity: 2035A: Other Procurement, Army / BA 03: Other Support Equipment / BSA 50: Construction Equipment	P-1 Line Item Number / Title: R06701 / All Terrain Cranes
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ID Code (A=Service Ready, B=Not Service Ready) :		Program Elements for Code B Items:				Other Related Program Elements:			
Secondary Distribution	FY 2014	FY 2015	FY 2016 Base	FY 2016 OCO	FY 2016 Total	FY 2017	FY 2018	FY 2019	FY 2020
Total Obligation Authority	-	-	3.204	-	3.204	3.147	2.825	10.587	10.499
Total:									
Secondary Distribution									
Quantity	1	4	18	-	18	12	9	16	41
Total Obligation Authority	2.613	4.938	16.750	-	16.750	66.349	10.771	17.789	42.306

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

Appropriation / Budget Activity / Budget Sub Activity: 2035A: Other Procurement, Army / BA 03: Other Support Equipment / BSA 50: Construction Equipment	P-1 Line Item Number / Title: R06701 / All Terrain Cranes
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ID Code (A=Service Ready, B=Not Service Ready) :			Program Elements for Code B Items:			Other Related Program Elements:		
Exhibits Schedule			Prior Years	FY 2014	FY 2015	FY 2016 Base	FY 2016 OCO	FY 2016 Total
Title*	Exhibits	ID CD	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)
R06701 / All Terrain Cranes	P-5, P-5a		2 / 3.498	1 / 2.613	4 / 4.938	18 / 16.750	- / -	18 / 16.750
Total Gross/Weapon System Cost			2 / 3.498	1 / 2.613	4 / 4.938	18 / 16.750	- / -	18 / 16.750

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

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

Justification:
 FY 2016 Base procurement dollars in the amount of \$16.750 Million procures 18 Type II cranes.

The FY 2016 funding request was reduced for \$1.831 million to account for the availability of prior year execution balances.

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

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

Appropriation / Budget Activity / Budget Sub Activity: 2035A / 03 / 50	P-1 Line Item Number / Title: R06701 / All Terrain Cranes	Item Number / Title [DODIC]: R06701 / All Terrain Cranes
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ID Code (A=Service Ready, B=Not Service Ready) : **MDAP/MAIS Code:**

Resource Summary	Prior Years	FY 2014	FY 2015	FY 2016 Base	FY 2016 OCO	FY 2016 Total
Procurement Quantity (Units in Each)	2	1	4	18	-	18
Gross/Weapon System Cost (\$ in Millions)	3.498	2.613	4.938	16.750	-	16.750
Less PY Advance Procurement (\$ in Millions)	-	-	-	-	-	-
Net Procurement (P1) (\$ in Millions)	3.498	2.613	4.938	16.750	-	16.750
Plus CY Advance Procurement (\$ in Millions)	-	-	-	-	-	-
Total Obligation Authority (\$ in Millions)	3.498	2.613	4.938	16.750	-	16.750

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

Initial Spares (\$ in Millions)	-	-	-	-	-	-
Gross/Weapon System Unit Cost (\$ in Thousands)	1,749.000	2,613.000	1,234.500	930.556	-	930.556

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

Cost Elements	Prior Years			FY 2014			FY 2015			FY 2016 Base			FY 2016 OCO			FY 2016 Total		
	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)
Flyaway Cost																		
Recurring Cost																		
Hardware ATC Type II ^(†)	1,500.000	1	1.500	887.000	2	1.774	831.000	4	3.324	863.000	18	15.534	-	-	-	863.000	18	15.534
System Engineering/Program Management	-	-	0.558	-	-	0.259	-	-	0.538	-	-	0.500	-	-	-	-	-	0.500
System Test and Evaluation, Production	-	-	-	-	-	-	-	-	0.400	-	-	0.300	-	-	-	-	-	0.300
Training	-	-	-	-	-	-	-	-	0.500	-	-	-	-	-	-	-	-	-
Data	-	-	1.429	-	-	0.280	-	-	-	-	-	-	-	-	-	-	-	-
Support Equipment	-	-	0.002	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Fielding	-	-	0.009	-	-	0.300	-	-	0.176	-	-	0.416	-	-	-	-	-	0.416
<i>Subtotal: Recurring Cost</i>	-	-	3.498	-	-	2.613	-	-	4.938	-	-	16.750	-	-	-	-	-	16.750
<i>Subtotal: Flyaway Cost</i>	-	-	3.498	-	-	2.613	-	-	4.938	-	-	16.750	-	-	-	-	-	16.750
Gross/Weapon System Cost	1,749.000	2	3.498	2,613.000	1	2.613	1,234.500	4	4.938	930.556	18	16.750	-	-	-	930.556	18	16.750

Secondary Distribution		FY 2014	FY 2015	FY 2016 Base	FY 2016 OCO	FY 2016 Total
Army	Quantity	1	-	5	-	5
	Total Obligation Authority	2.613	-	4.894	-	4.894
ANG	Quantity	-	4	8	-	8
	Total Obligation Authority	-	4.938	8.652	-	8.652

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Exhibit P-5, Cost Analysis: PB 2016 Army	Date: February 2015
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Appropriation / Budget Activity / Budget Sub Activity: 2035A / 03 / 50	P-1 Line Item Number / Title: R06701 / All Terrain Cranes	Item Number / Title [DODIC]: R06701 / All Terrain Cranes
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ID Code (A=Service Ready, B=Not Service Ready) :	MDAP/MAIS Code:
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		FY 2014	FY 2015	FY 2016 Base	FY 2016 OCO	FY 2016 Total
Secondary Distribution	Quantity	-	-	5	-	5
	Total Obligation Authority	-	-	3.204	-	3.204
Total:	Quantity	1	4	18	-	18
Secondary Distribution	Total Obligation Authority	2.613	4.938	16.750	-	16.750

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

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

Appropriation / Budget Activity / Budget Sub Activity: 2035A / 03 / 50	P-1 Line Item Number / Title: R06701 / All Terrain Cranes	Item Number / Title [DODIC]: R06701 / All Terrain Cranes
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Cost Elements	O C O	FY	Contractor and Location	Method/Type or Funding Vehicle	Location of PCO	Award Date	Date of First Delivery	Qty <i>(Each)</i>	Unit Cost <i>(\$ K)</i>	Specs Avail Now?	Date Revision Available	RFP Issue Date
Hardware ATC Type II		2014	TBD / TBD	C / FFP	TACOM	Feb 2015	Jul 2017	2	887.000	N		
Hardware ATC Type II		2015	TBD / TBD	C / FFP	TACOM	Feb 2015	Sep 2017	4	831.000	N		
Hardware ATC Type II		2016	TBD / TBD	C / FFP	TACOM	Feb 2016	Jul 2018	18	863.000	N		

Remarks:
This is a Commercial-off-the-Shelf (COTS) program

UNCLASSIFIED

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

Appropriation / Budget Activity / Budget Sub Activity: 2035A: Other Procurement, Army / BA 03: Other Support Equipment / BSA 50: Construction Equipment	P-1 Line Item Number / Title: M08100 / Plant, Asphalt Mixing
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ID Code (A=Service Ready, B=Not Service Ready) : A	Program Elements for Code B Items:						Other Related Program Elements:					
Resource Summary	Prior Years	FY 2014	FY 2015	FY 2016 Base	FY 2016 OCO	FY 2016 Total	FY 2017	FY 2018	FY 2019	FY 2020	To Complete	Total
Procurement Quantity (Units in Each)	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Cost (\$ in Millions)	40.449	-	0.667	0.984	-	0.984	-	-	-	-	-	42.100
Less PY Advance Procurement (\$ in Millions)	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P1) (\$ in Millions)	40.449	-	0.667	0.984	-	0.984	-	-	-	-	-	42.100
Plus CY Advance Procurement (\$ in Millions)	-	-	-	-	-	-	-	-	-	-	-	-
Total Obligation Authority (\$ in Millions)	40.449	-	0.667	0.984	-	0.984	-	-	-	-	-	42.100

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

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

Description:

The Asphalt Mixing Plant (AMP) is a commercial off the shelf (COTS) system capable of producing a minimum of 150 tons per hour of asphalt for use in the construction of roads, airfields, helicopter pads, parking lots and storage areas. The AMP is fielded to Asphalt Teams and the Army training base. The AMP is a portable drum-type, electric-motor-driven facility capable of self-erection (major components) and operation without permanent type footings. The AMP consists of major components and accessories required to assemble a complete plant. The AMP components consist of a plant control trailer, dedrummer, asphalt storage tank, 4-bin aggregate feeder, conveyor, surge bin feeder, mixing drum, power generators, and baghouse (filtration system). The Army Acquisition Objective (AAO) is 2.

Secondary Distribution	FY 2014	FY 2015	FY 2016 Base	FY 2016 OCO	FY 2016 Total	FY 2017	FY 2018	FY 2019	FY 2020
ANG	Quantity	-	-	-	-	-	-	-	-
	Total Obligation Authority	-	0.667	-	-	-	-	-	-
AR	Quantity	-	-	-	-	-	-	-	-
	Total Obligation Authority	-	-	0.984	-	0.984	-	-	-
Total: Secondary Distribution	Quantity	-	-	-	-	-	-	-	-
	Total Obligation Authority	-	0.667	0.984	-	0.984	-	-	-

Justification:

FY 2016 Base procurement dollars in the amount of \$0.984 million is for systematic support costs in the form of Contractor Logistics Support, that will cover a period of transition until sustainment of the AMP systems. The AMP supports the Asphalt Team mission by supplying patch material for maintenance of existing roads and highways and supplying bulk material for new paving of airfields, roads, highways, parking, and storage areas in support of battalion-sized Engineer Mission Force with construction missions.

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Exhibit P-40, Budget Line Item Justification: PB 2016 Army		Date: February 2015
Appropriation / Budget Activity / Budget Sub Activity: 2035A: Other Procurement, Army / BA 03: Other Support Equipment / BSA 50: Construction Equipment		P-1 Line Item Number / Title: M08100 / Plant, Asphalt Mixing
ID Code (A=Service Ready, B=Not Service Ready) : A	Program Elements for Code B Items:	Other Related Program Elements:
<p>In accordance with Section 1815 of the FY 2008 NDAA this item is necessary for use by the active components and reserve components of the Armed Forces for homeland defense missions, domestic emergency responses, and providing military support to civil authorities.</p>		

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

Appropriation / Budget Activity / Budget Sub Activity: 2035A: Other Procurement, Army / BA 03: Other Support Equipment / BSA 50: Construction Equipment	P-1 Line Item Number / Title: R05901 / High Mobility Engineer Excavator (HMEE)
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ID Code (A=Service Ready, B=Not Service Ready) : A	Program Elements for Code B Items:	Other Related Program Elements:
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Resource Summary	Prior Years	FY 2014	FY 2015	FY 2016 Base	FY 2016 OCO	FY 2016 Total	FY 2017	FY 2018	FY 2019	FY 2020	To Complete	Total
Procurement Quantity (<i>Units in Each</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Cost (<i>\$ in Millions</i>)	374.203	21.465	-	2.656	-	2.656	1.771	-	-	-	-	400.095
Less PY Advance Procurement (<i>\$ in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P1) (<i>\$ in Millions</i>)	374.203	21.465	-	2.656	-	2.656	1.771	-	-	-	-	400.095
Plus CY Advance Procurement (<i>\$ in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Total Obligation Authority (<i>\$ in Millions</i>)	374.203	21.465	-	2.656	-	2.656	1.771	-	-	-	-	400.095

(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>)	-	-	-	885.333	-	885.333	-	-	-	-	-	3,884.417

Description:

The High Mobility Engineer Excavator Type I (HMEE-I) is a non-developmental item uniquely developed for the military. It is used to clear rubble and debris from routes, roads, airfields, and the construction of these elements to include providing survivability positions for the maneuver forces. It is all wheeled drive, diesel engine driven, highly mobile, equipped with a front bucket and a rear excavation bucket, and capable of using forklift, sweeper, and auger attachments. It is self-deployable and does not require a truck/trailer combination for transport and can reach speeds up to 60 MPH. It is transported on C-130 (w/ o armor), C-5, and C-17 aircraft. The HMEE-I also has the capability to accept a Crew Protection Kit in the form of an armor cab for contingency operations. The HMEE-I provides the capability of maintaining pace with the rapid movement of forces between engagements. The HMEE-I is fielded to Heavy, Light, and Stryker Brigade Combat Teams, Engineer Support Companies, Multi-Roll Bridge Companies, Route Clearance Companies, Petroleum Pipeline Companies and the Army training base. The minimum monthly sustaining rate for the HMEE Type I is 6 systems per month.

The High Mobility Engineer Excavator (Airborne) is an armored, slightly modified HMEE I that is air-droppable from a C-17. The HMEE (A) provides the same excavation and high travel speed (60 mph) capabilities as the HMEE I. The HMEE (A) will be fielded to Engineer Support Companies and Infantry Brigade Combat Teams (IBCTs) in Airborne units.

The High Mobility Engineer Excavator Type III is a Backhoe Loader (BHL) which is a commercial off-the-shelf backhoe loader with minor military modifications. The BHL provides the capability to execute general construction missions in the areas of road building, airfield construction, repair and improve road systems, trails and bridges. The BHL also has the capability to accept a Crew Protection Kit in the form of a replaceable armor cab for contingency operations. The BHL is capable of driving up to 25 MPH on improved roads and 7 MPH off-road. The BHL is transported via C-130/C-5, C- 17 aircraft, highway with M916/ M870 and M915/M172 truck trailer combination organic to the unit. The BHL is fielded to Horizontal and Vertical Construction Companies, Army training base, and other Non Engineer Units.

The Army Acquisition Objective is: 1,579 (HMEE I: 940/HMEE III: 639).

Secondary Distribution	FY 2014	FY 2015	FY 2016 Base	FY 2016 OCO	FY 2016 Total	FY 2017	FY 2018	FY 2019	FY 2020
Army Quantity	-	-	-	-	-	-	-	-	-

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

Appropriation / Budget Activity / Budget Sub Activity: 2035A: Other Procurement, Army / BA 03: Other Support Equipment / BSA 50: Construction Equipment	P-1 Line Item Number / Title: R05901 / High Mobility Engineer Excavator (HMEE)
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ID Code (A=Service Ready, B=Not Service Ready) : A		Program Elements for Code B Items:				Other Related Program Elements:				
Secondary Distribution		FY 2014	FY 2015	FY 2016 Base	FY 2016 OCO	FY 2016 Total	FY 2017	FY 2018	FY 2019	FY 2020
	Total Obligation Authority	18.432	-	2.656	-	2.656	1.771	-	-	-
ANG	Quantity	-	-	-	-	-	-	-	-	-
	Total Obligation Authority	1.348	-	-	-	-	-	-	-	-
AR	Quantity	-	-	-	-	-	-	-	-	-
	Total Obligation Authority	1.685	-	-	-	-	-	-	-	-
Total:	Quantity	-	-	-	-	-	-	-	-	-
Secondary Distribution	Total Obligation Authority	21.465	-	2.656	-	2.656	1.771	-	-	-

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

Appropriation / Budget Activity / Budget Sub Activity: 2035A: Other Procurement, Army / BA 03: Other Support Equipment / BSA 50: Construction Equipment	P-1 Line Item Number / Title: R05901 / High Mobility Engineer Excavator (HMEE)
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ID Code (A=Service Ready, B=Not Service Ready) : A			Program Elements for Code B Items:			Other Related Program Elements:		
Exhibits Schedule			Prior Years	FY 2014	FY 2015	FY 2016 Base	FY 2016 OCO	FY 2016 Total
Title*	Exhibits	ID CD	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)
R05900 / High Mobility Engineer Excavator (HMEE) Type I	P-5, P-5a, P-21	B	- / 275.342	- / 21.465	- / -	- / 2.656	- / -	- / 2.656
Total Gross/Weapon System Cost			- / 374.203	- / 21.465	- / -	- / 2.656	- / -	- / 2.656

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

Justification:

FY 2016 funding in the amount of \$2.656 million funds will procure production vehicles and programmatic system support.

This program is considered a Critical Dual Use (CDU) system enabling and supporting Defense Support to Civil Authorities (DSCA) 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 military support to civil authorities.

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Exhibit P-5, Cost Analysis: PB 2016 Army		Date: February 2015
Appropriation / Budget Activity / Budget Sub Activity: 2035A / 03 / 50	P-1 Line Item Number / Title: R05901 / High Mobility Engineer Excavator (HMEE)	Item Number / Title [DODIC]: R05900 / High Mobility Engineer Excavator (HMEE) Type I

ID Code (A=Service Ready, B=Not Service Ready) : B	MDAP/MAIS Code:
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Resource Summary	Prior Years	FY 2014	FY 2015	FY 2016 Base	FY 2016 OCO	FY 2016 Total
Procurement Quantity (Units in Each)	-	-	-	-	-	-
Gross/Weapon System Cost (\$ in Millions)	275.342	21.465	-	2.656	-	2.656
Less PY Advance Procurement (\$ in Millions)	-	-	-	-	-	-
Net Procurement (P1) (\$ in Millions)	275.342	21.465	-	2.656	-	2.656
Plus CY Advance Procurement (\$ in Millions)	-	-	-	-	-	-
Total Obligation Authority (\$ in Millions)	275.342	21.465	-	2.656	-	2.656

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

Initial Spares (\$ in Millions)	-	-	-	-	-	-
Gross/Weapon System Unit Cost (\$ in Thousands)	-	-	-	885.333	-	885.333

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

Cost Elements	Prior Years			FY 2014			FY 2015			FY 2016 Base			FY 2016 OCO			FY 2016 Total		
	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)
Flyaway Cost																		
Recurring Cost																		
Hardware - HMEE (I) System ^(†)	361.250	731	264.074	451.000	35	15.785	-	-	-	461.000	3	1.383	-	-	-	461.000	3	1.383
Engineering Changes	-	-	0.367	-	-	1.000	-	-	-	-	-	-	-	-	-	-	-	-
Support Equipment - Special Tools	-	-	2.681	-	-	1.150	-	-	-	-	-	-	-	-	-	-	-	-
System Engineering/ Program Management	-	-	2.169	-	-	1.479	-	-	-	-	-	0.973	-	-	-	-	-	0.973
Data	-	-	-	-	-	0.551	-	-	-	-	-	-	-	-	-	-	-	-
Fielding	-	-	6.051	-	-	1.500	-	-	-	-	-	0.300	-	-	-	-	-	0.300
<i>Subtotal: Recurring Cost</i>	-	-	275.342	-	-	21.465	-	-	-	-	-	2.656	-	-	-	-	-	2.656
<i>Subtotal: Flyaway Cost</i>	-	-	275.342	-	-	21.465	-	-	-	-	-	2.656	-	-	-	-	-	2.656
Gross/Weapon System Cost	-	-	275.342	-	-	21.465	-	-	-	885.333	-	2.656	-	-	-	885.333	-	2.656

Secondary Distribution		FY 2014	FY 2015	FY 2016 Base	FY 2016 OCO	FY 2016 Total
Army	Quantity	-	-	-	-	-
	Total Obligation Authority	18.432	-	2.656	-	2.656
ANG	Quantity	-	-	-	-	-
	Total Obligation Authority	1.348	-	-	-	-

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Exhibit P-5, Cost Analysis: PB 2016 Army		Date: February 2015
Appropriation / Budget Activity / Budget Sub Activity: 2035A / 03 / 50	P-1 Line Item Number / Title: R05901 / High Mobility Engineer Excavator (HMEE)	Item Number / Title [DODIC]: R05900 / High Mobility Engineer Excavator (HMEE) Type I

ID Code (A=Service Ready, B=Not Service Ready) : B	MDAP/MAIS Code:
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Secondary Distribution		FY 2014	FY 2015	FY 2016 Base	FY 2016 OCO	FY 2016 Total
AR	Quantity	-	-	-	-	-
	Total Obligation Authority	1.685	-	-	-	-
Total:	Quantity	-	-	-	-	-
Secondary Distribution	Total Obligation Authority	21.465	-	2.656	-	2.656

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

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Exhibit P-5a, Procurement History and Planning: PB 2016 Army							Date: February 2015					
Appropriation / Budget Activity / Budget Sub Activity: 2035A / 03 / 50			P-1 Line Item Number / Title: R05901 / High Mobility Engineer Excavator (HMEE)				Item Number / Title [DODIC]: R05900 / High Mobility Engineer Excavator (HMEE) Type I					
Cost Elements	O C O	FY	Contractor and Location	Method/Type or Funding Vehicle	Location of PCO	Award Date	Date of First Delivery	Qty (Each)	Unit Cost (\$ K)	Specs Avail Now?	Date Revision Available	RFP Issue Date
Hardware - HMEE (I) System ^(†)		2014	JCB / Pooler, GA	C / FFP	TACOM	Apr 2014	Aug 2014	35	451.000	Y		
Hardware - HMEE (I) System ^(†)		2016	JCB / Pooler, GA	C / FFP	TACOM	Jan 2016	Mar 2016	3	461.000	Y		

^(†) indicates the presence of a P-21

Remarks:
Firm Fixed Price three-year beginning in FY 2014.

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Exhibit P-21, Production Schedule: PB 2016 Army																							Date: February 2015									
Appropriation / Budget Activity / Budget Sub Activity: 2035A / 03 / 50											P-1 Line Item Number / Title: R05901 / High Mobility Engineer Excavator (HMEE)											Item Number / Title [DODIC]: R05900 / High Mobility Engineer Excavator (HMEE) Type I										
Cost Elements <i>(Units in Each)</i>						Fiscal Year 2016													Fiscal Year 2017													
O C C O	M F R #	FY	SERVICE	PROC QTY	ACCEPT PRIOR TO 1 OCT 2015	BAL DUE AS OF 1 OCT	Calendar Year 2016													Calendar Year 2017												
							O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	B A L	
Hardware - HMEE (I) System																																
Prior Years Deliveries: 731																																
1	2014	ARMY		35	35	-																							-			
1	2016	ARMY		3	-	3				A	-																		-			
							O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	B A L	

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Exhibit P-21, Production Schedule: PB 2016 Army		Date: February 2015
Appropriation / Budget Activity / Budget Sub Activity: 2035A / 03 / 50		P-1 Line Item Number / Title: R05901 / High Mobility Engineer Excavator (HMEE)
		Item Number / Title [DODIC]: R05900 / High Mobility Engineer Excavator (HMEE) Type I

MFR Ref #	MFR Name - Location	Production Rates (Each / Year)			Procurement Leadtime (Months)							
		MSR For 2016	1-8-5 For 2016	MAX For 2016	Initial				Reorder			
					ALT Prior to Oct 1	ALT After Oct 1	Mfg PLT	Total After Oct 1	ALT Prior to Oct 1	ALT After Oct 1	Mfg PLT	Total After Oct 1
1	JCB - Pooler, GA	6	10	20	-	19	4	23	-	7	4	11

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

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

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

Appropriation / Budget Activity / Budget Sub Activity: 2035A: Other Procurement, Army / BA 03: Other Support Equipment / BSA 50: Construction Equipment	P-1 Line Item Number / Title: R07001 / Enhanced Rapid Airfield Construction Capap
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ID Code (A=Service Ready, B=Not Service Ready) :	Program Elements for Code B Items:						Other Related Program Elements:					
Resource Summary	Prior Years	FY 2014	FY 2015	FY 2016 Base	FY 2016 OCO	FY 2016 Total	FY 2017	FY 2018	FY 2019	FY 2020	To Complete	Total
Procurement Quantity (Units in Each)	-	-	112	24	-	24	-	-	-	-	Continuing	Continuing
Gross/Weapon System Cost (\$ in Millions)	-	5.000	14.924	2.531	-	2.531	-	-	-	-	Continuing	Continuing
Less PY Advance Procurement (\$ in Millions)	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P1) (\$ in Millions)	-	5.000	14.924	2.531	-	2.531	-	-	-	-	Continuing	Continuing
Plus CY Advance Procurement (\$ in Millions)	-	-	-	-	-	-	-	-	-	-	-	-
Total Obligation Authority (\$ in Millions)	-	5.000	14.924	2.531	-	2.531	-	-	-	-	Continuing	Continuing

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

Initial Spares (\$ in Millions)	-	-	-	-	-	-	-	-	-	-	-	-
Flyaway Unit Cost (\$ in Thousands)	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Unit Cost (\$ in Thousands)	-	-	133.250	105.458	-	105.458	-	-	-	-	Continuing	Continuing

Description:

The Enhanced Rapid Airfield Construction Capabilities (ERACC) consists of four (4) independent products that enhance the joint commander's capability for Enable Theater Access (ETA) operations. ERACC provides the joint commander the capability enhancement to rapidly construct new airfields, runways and to upgrade existing facilities to meet joint task force needs. This expands operating capacities of Aerial ports Embarkation/Debarcation (APOE/APOD). ERACC Type I, Type II, Type III and Type IV are commercial off the shelf (COTS) programs. Joint U.S. Forces will employ ERACC types (I-IV) individually or as a combined mission based on engineer requirements.

ERACC Type I, Site Selection and Assessment. This capability package is a software centric capability used to rapidly assess potential sites for airfield operations. This capability provides geospatial information, site analysis, terrain visualization, airfield performance predictions, constructability estimations, on-site material characterization, and site design capabilities. The fielding of the ERACC Type I software will be to users of the ENFIRE engineer reconnaissance system as part of the ENFIRE 7.0 software baseline, and will be included in all subsequent baselines. The users include construction engineer platoon leaders, engineer liaison teams, facilities managers, and contracting personnel within Engineer organizations for construction project management, reconnaissance, facilities and inventory management, Tele-engineering, site layout, rudimentary surveying, mapping, and associated reporting. The ERACC Type I system is a software application on the ENFIRE system. The Army Acquisition Objective (AAO) for the Type I is 41 and will be procured by Product Director Combat Terrain Information Systems (PD CTIS).

ERACC Type II, Enhanced Earthmoving. This system is a Grade Control System that includes a global positioning system (GPS) and laser leveling system that is installed on a dozer, grader, scraper and Deployable Universal Combat Earthmover (DEUCE). The Grade Control System with automatic blade control significantly increases operating productivity and training efficiencies by reducing construction times and fuel consumption. A project design can be loaded into the blade leveling display box allowing the operator to have 3-D view of where he is in relation to the project end state. This allows the operator to instantly know where to fill and cut and thus eliminates the requirement for the survey team to repetitively verify the project. The fielding of the Enhanced Earthmoving will be within Engineer Support Company, Engineer Support Teams, and to Rapidly Deployable Earthmoving-Light (RDE-L) Platoons, an integral asset of the Engineer Support Companies. The AAO for the Type II 279 and will be procured by PM Combat Engineer/Material Handling Equipment (CE/MHE).

ERACC Type III is the Mobil Technical Engineer Lab (MTEL) and is an integration of commercially available non-developmental items. MTEL effort is a C130 airplane Low Velocity Air Droppable (LVAD)/CH-47 helicopter sling transportable package enhancing a modularly designed capability to rapidly open new airfields and runways, and/or upgrade existing facilities to meet joint task force needs. The MTEL provides a soil test and survey capability utilizing a utility vehicle. This allows the ERACC Team to quickly understand the composition of the soil to determine feasibility for construction of an airfield. The MTEL can also be used for recon and scouting once the lab package is removed. The fielding of the MTEL will be within Engineer Support Company and Engineer Support Teams. The ERACC Type III AAO is 86 and will be procured by PM CE/MHE.

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

Appropriation / Budget Activity / Budget Sub Activity: 2035A: Other Procurement, Army / BA 03: Other Support Equipment / BSA 50: Construction Equipment	P-1 Line Item Number / Title: R07001 / Enhanced Rapid Airfield Construction Capap
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ID Code (A=Service Ready, B=Not Service Ready) :	Program Elements for Code B Items:	Other Related Program Elements:
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ERACC Type IV is the Soil Reclaimer Stabilizer. This system is essential to mix soil stabilization products with soil to produce desired stabilized base layers suitable for aircraft traffic operations. This system supports rapid construction and or expansion of airfield operation capacities. It will also be employed during the construction/upgrading of helipads as a means to prevent brownout conditions from occurring during helicopter landing and takeoff operations. The machine is equipped with an onboard automated liquid distribution system that matches the desired liquid polymer application rate to the machines ground speed. It has the capability to continuously operate for a period of 10 hours. The Soil Reclaimer Stabilizer will be fielded to the Rapidly Deployable Earthmoving-Light (RDE-L) Platoon within the Engineer Support Company (ESC), Engineer Survey and Design Sections, Engineer Geospatial Cells, Forward Engineer Support Teams, and Technical Engineer Sections. The ERACC Type IV AAO is 31 and will be procured by PM CE/MHE.

Secondary Distribution		FY 2014	FY 2015	FY 2016 Base	FY 2016 OCO	FY 2016 Total	FY 2017	FY 2018	FY 2019	FY 2020
Army	Quantity	-	39	3	-	3	-	-	-	-
	Total Obligation Authority	5.000	5.311	0.638	-	0.638	-	-	-	-
ANG	Quantity	-	61	18	-	18	-	-	-	-
	Total Obligation Authority	-	7.515	1.255	-	1.255	-	-	-	-
AR	Quantity	-	12	3	-	3	-	-	-	-
	Total Obligation Authority	-	2.098	0.638	-	0.638	-	-	-	-
Total:	Quantity	-	112	24	-	24	-	-	-	-
Secondary Distribution	Total Obligation Authority	5.000	14.924	2.531	-	2.531	-	-	-	-

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

Appropriation / Budget Activity / Budget Sub Activity: 2035A: Other Procurement, Army / BA 03: Other Support Equipment / BSA 50: Construction Equipment	P-1 Line Item Number / Title: R07001 / Enhanced Rapid Airfield Construction Capap
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ID Code (A=Service Ready, B=Not Service Ready) :			Program Elements for Code B Items:			Other Related Program Elements:		
Exhibits Schedule			Prior Years	FY 2014	FY 2015	FY 2016 Base	FY 2016 OCO	FY 2016 Total
Title*	Exhibits	ID CD	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)
R03001 / ERACC Type IV- Soil Stabilization	P-5, P-5a		- / -	- / -	15 / 2.741	24 / 2.531	- / -	24 / 2.531
R07002 / ERACC Type I, Site Assessment And Selection	P-40a		- / -	- / -	17 / 2.378	- / -	- / -	- / -
R07004 / ERACC Type III, Mobile Technical Engineer Lab	P-40a		- / -	- / -	5 / 1.440	- / -	- / -	- / -
R07003 / ERACC Type II, Enhanced Earthmoving	P-5, P-5a		- / -	- / 5.000	75 / 8.365	- / -	- / -	- / -
Total Gross/Weapon System Cost			- / -	- / 5.000	112 / 14.924	24 / 2.531	- / -	24 / 2.531

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

Justification:
 FY 2016 Base funding in the amount of \$2.531 million procures 24 ERACC Type II packages. This will support rapid construction and/or expansion of airfield operating capacities in support of mission requirements. FY 2016 procurement supports a balanced investment strategy for the Army's approved force structure and Army Force Generation (ARFORGEN) requirements.

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 components and reserve components of the Armed Forces for homeland defense missions, domestic emergency responses, and providing military support to civil authorities.

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Exhibit P-5, Cost Analysis: PB 2016 Army		Date: February 2015
Appropriation / Budget Activity / Budget Sub Activity: 2035A / 03 / 50	P-1 Line Item Number / Title: R07001 / Enhanced Rapid Airfield Construction Capap	Item Number / Title [DODIC]: R03001 / ERACC Type IV- Soil Stabilization

ID Code (A=Service Ready, B=Not Service Ready) :	MDAP/MAIS Code:
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Resource Summary	Prior Years	FY 2014	FY 2015	FY 2016 Base	FY 2016 OCO	FY 2016 Total
Procurement Quantity (Units in Each)	-	-	15	24	-	24
Gross/Weapon System Cost (\$ in Millions)	-	-	2.741	2.531	-	2.531
Less PY Advance Procurement (\$ in Millions)	-	-	-	-	-	-
Net Procurement (P1) (\$ in Millions)	-	-	2.741	2.531	-	2.531
Plus CY Advance Procurement (\$ in Millions)	-	-	-	-	-	-
Total Obligation Authority (\$ in Millions)	-	-	2.741	2.531	-	2.531

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

Initial Spares (\$ in Millions)	-	-	-	-	-	-
Gross/Weapon System Unit Cost (\$ in Thousands)	-	-	182.733	105.458	-	105.458

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

Cost Elements	Prior Years			FY 2014			FY 2015			FY 2016 Base			FY 2016 OCO			FY 2016 Total		
	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)
Flyaway Cost																		
Recurring Cost																		
Hardware - Package Type II ^(†)	-	-	-	-	-	-	-	-	-	98.000	24	2.352	-	-	-	98.000	24	2.352
Hardware - Package Type IV ^(†)	-	-	-	-	-	-	171.000	15	2.565	-	-	-	-	-	-	-	-	-
System Engineering/ Program Management	-	-	-	-	-	-	-	-	0.106	-	-	0.130	-	-	-	-	-	0.130
Fielding	-	-	-	-	-	-	-	-	0.070	-	-	0.049	-	-	-	-	-	0.049
<i>Subtotal: Recurring Cost</i>	-	-	-	-	-	-	-	-	2.741	-	-	2.531	-	-	-	-	-	2.531
<i>Subtotal: Flyaway Cost</i>	-	-	-	-	-	-	-	-	2.741	-	-	2.531	-	-	-	-	-	2.531
Gross/Weapon System Cost	-	-	-	-	-	-	182.733	15	2.741	105.458	24	2.531	-	-	-	105.458	24	2.531

Secondary Distribution		FY 2014	FY 2015	FY 2016 Base	FY 2016 OCO	FY 2016 Total
Army	Quantity	-	3	3	-	3
	Total Obligation Authority	-	0.549	0.638	-	0.638
ANG	Quantity	-	6	18	-	18
	Total Obligation Authority	-	1.096	1.255	-	1.255
AR	Quantity	-	6	3	-	3
	Total Obligation Authority	-	1.096	0.638	-	0.638

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Exhibit P-5, Cost Analysis: PB 2016 Army		Date: February 2015
Appropriation / Budget Activity / Budget Sub Activity: 2035A / 03 / 50	P-1 Line Item Number / Title: R07001 / Enhanced Rapid Airfield Construction Capap	Item Number / Title [DODIC]: R03001 / ERACC Type IV- Soil Stabilization

ID Code (A=Service Ready, B=Not Service Ready) :		MDAP/MAIS Code:				
Secondary Distribution		FY 2014	FY 2015	FY 2016 Base	FY 2016 OCO	FY 2016 Total
Total:	Quantity	-	15	24	-	24
Secondary Distribution	Total Obligation Authority	-	2.741	2.531	-	2.531

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

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Exhibit P-5a, Procurement History and Planning: PB 2016 Army							Date: February 2015					
Appropriation / Budget Activity / Budget Sub Activity: 2035A / 03 / 50			P-1 Line Item Number / Title: R07001 / Enhanced Rapid Airfield Construction Capap				Item Number / Title [DODIC]: R03001 / ERACC Type IV- Soil Stabilization					
Cost Elements	O C O	FY	Contractor and Location	Method/Type or Funding Vehicle	Location of PCO	Award Date	Date of First Delivery	Qty (Each)	Unit Cost (\$ K)	Specs Avail Now?	Date Revision Available	RFP Issue Date
Hardware - Package Type II		2014	Trimble / Dayton, OH	C / FFP	Quantico	Jul 2014	Jul 2015	-	-			
Hardware - Package Type II		2016	Trimble / Dayton, OH	C / FFP	Quantico	Jan 2016	Jan 2017	24	98.000			
Hardware - Package Type IV		2015	TBD / TBD	TBD	TACOM	Jan 2015	Jan 2016	15	171.000			

Remarks:
This is a Commercial-off-the-Shelf (COTS) system

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Exhibit P-40a, Budget Item Justification For Aggregated Items: PB 2016 Army															Date: February 2015				
Appropriation / Budget Activity / Budget Sub Activity: 2035A / 03 / 50						P-1 Line Item Number / Title: R07001 / Enhanced Rapid Airfield Construction Capap									Aggregated Items Title: Various				

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

Item Number / Title [DODIC]	ID CD	MDAP/MAIS Code	Prior Years			FY 2014			FY 2015			FY 2016 Base			FY 2016 OCO			FY 2016 Total		
			Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)
ERACC Type I, Site Assessment And Selection																				
R07002 / ERACC Type I, Site Assessment And Selection			-			-			139.882	17	2.378									
<i>Secondary Distribution</i>																				
Army				-						6	0.857									
ANG				-						6	0.806									
AR				-						5	0.715									
R07004 / ERACC Type III, Mobile Technical Engineer Lab				-					288.000	5	1.440									
<i>Secondary Distribution</i>																				
Army				-						3	0.865									
ANG				-						1	0.288									
AR				-						1	0.287									
<i>Subtotal: ERACC Type I, Site Assessment And Selection</i>				-							3.818									
Total				-							3.818									

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Exhibit P-5, Cost Analysis: PB 2016 Army		Date: February 2015
Appropriation / Budget Activity / Budget Sub Activity: 2035A / 03 / 50	P-1 Line Item Number / Title: R07001 / Enhanced Rapid Airfield Construction Capap	Item Number / Title [DODIC]: R07003 / ERACC Type II, Enhanced Earthmoving

ID Code (A=Service Ready, B=Not Service Ready) :	MDAP/MAIS Code:
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Resource Summary	Prior Years	FY 2014	FY 2015	FY 2016 Base	FY 2016 OCO	FY 2016 Total
Procurement Quantity (Units in Each)	-	-	75	-	-	-
Gross/Weapon System Cost (\$ in Millions)	-	5.000	8.365	-	-	-
Less PY Advance Procurement (\$ in Millions)	-	-	-	-	-	-
Net Procurement (P1) (\$ in Millions)	-	5.000	8.365	-	-	-
Plus CY Advance Procurement (\$ in Millions)	-	-	-	-	-	-
Total Obligation Authority (\$ in Millions)	-	5.000	8.365	-	-	-

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

Initial Spares (\$ in Millions)	-	-	-	-	-	-
Gross/Weapon System Unit Cost (\$ in Thousands)	-	-	111.533	-	-	-

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

Cost Elements	Prior Years			FY 2014			FY 2015			FY 2016 Base			FY 2016 OCO			FY 2016 Total		
	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)
Flyaway Cost																		
Recurring Cost																		
Hardware ^(†)	-	-	-	119.000	14	1.666	99.000	75	7.425	-	-	-	-	-	-	-	-	-
System Engineering/ Program Management	-	-	-	-	-	0.167	-	-	0.120	-	-	-	-	-	-	-	-	-
System Test & Evaluation, Production	-	-	-	-	-	0.499	-	-	0.395	-	-	-	-	-	-	-	-	-
Data	-	-	-	-	-	2.578	-	-	0.225	-	-	-	-	-	-	-	-	-
Fielding	-	-	-	-	-	0.090	-	-	0.200	-	-	-	-	-	-	-	-	-
<i>Subtotal: Recurring Cost</i>	-	-	-	-	-	5.000	-	-	8.365	-	-	-	-	-	-	-	-	-
<i>Subtotal: Flyaway Cost</i>	-	-	-	-	-	5.000	-	-	8.365	-	-	-	-	-	-	-	-	-
Gross/Weapon System Cost	-	-	-	-	-	5.000	111.533	75	8.365	-	-	-	-	-	-	-	-	-

Secondary Distribution		FY 2014	FY 2015	FY 2016 Base	FY 2016 OCO	FY 2016 Total
Army	Quantity	-	27	-	-	-
	Total Obligation Authority	5.000	3.040	-	-	-
ANG	Quantity	-	48	-	-	-
	Total Obligation Authority	-	5.325	-	-	-
Total:	Quantity	-	75	-	-	-

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Exhibit P-5, Cost Analysis: PB 2016 Army		Date: February 2015
Appropriation / Budget Activity / Budget Sub Activity: 2035A / 03 / 50	P-1 Line Item Number / Title: R07001 / Enhanced Rapid Airfield Construction Capap	Item Number / Title [DODIC]: R07003 / ERACC Type II, Enhanced Earthmoving

ID Code (A=Service Ready, B=Not Service Ready) :	MDAP/MAIS Code:
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Secondary Distribution		FY 2014	FY 2015	FY 2016 Base	FY 2016 OCO	FY 2016 Total
Secondary Distribution	Total Obligation Authority	5.000	8.365	-	-	-

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

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Exhibit P-5a, Procurement History and Planning: PB 2016 Army							Date: February 2015					
Appropriation / Budget Activity / Budget Sub Activity: 2035A / 03 / 50			P-1 Line Item Number / Title: R07001 / Enhanced Rapid Airfield Construction Capap				Item Number / Title [DODIC]: R07003 / ERACC Type II, Enhanced Earthmoving					
Cost Elements	O C O	FY	Contractor and Location	Method/Type or Funding Vehicle	Location of PCO	Award Date	Date of First Delivery	Qty (Each)	Unit Cost (\$ K)	Specs Avail Now?	Date Revision Available	RFP Issue Date
Hardware		2015	Trimble / Dayton	C / FFP	Quantico	Jan 2015	Jan 2016	75	99.000			

Remarks:
This is a Commercial-off-the-Shelf (COTS) system.

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

Appropriation / Budget Activity / Budget Sub Activity: 2035A: Other Procurement, Army / BA 03: Other Support Equipment / BSA 50: Construction Equipment	P-1 Line Item Number / Title: R07005 / Family of Diver Support Equipment
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ID Code (A=Service Ready, B=Not Service Ready) :	Program Elements for Code B Items:						Other Related Program Elements:					
Resource Summary	Prior Years	FY 2014	FY 2015	FY 2016 Base	FY 2016 OCO	FY 2016 Total	FY 2017	FY 2018	FY 2019	FY 2020	To Complete	Total
Procurement Quantity (Units in Each)	-	-	-	1	-	1	-	-	-	-	-	1
Gross/Weapon System Cost (\$ in Millions)	-	-	-	0.446	-	0.446	-	-	-	-	-	0.446
Less PY Advance Procurement (\$ in Millions)	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P1) (\$ in Millions)	-	-	-	0.446	-	0.446	-	-	-	-	-	0.446
Plus CY Advance Procurement (\$ in Millions)	-	-	-	-	-	-	-	-	-	-	-	-
Total Obligation Authority (\$ in Millions)	-	-	-	0.446	-	0.446	-	-	-	-	-	0.446
<i>(The following Resource Summary rows are for informational purposes only. The corresponding budget requests are documented elsewhere.)</i>												
Initial Spares (\$ in Millions)	-	-	-	-	-	-	-	-	-	-	-	-
Flyaway Unit Cost (\$ in Thousands)	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Unit Cost (\$ in Thousands)	-	-	-	446.000	-	446.000	-	-	-	-	-	446.000

Description:

The Family of Diver Support Equipment includes critical life support and safety related sets such as Diver's Supplemental Issue Set (DSIS), Underwater Photo Set; Supervisor, Propulsion, Emergency and Recovery Set (SPEARS) Set; Surface Swimmer Support Set; Individual Swimmer Support Set; Deep Sea Set; and Closed & Open Circuit Set. Engineer divers support Corps/Theater level operations as a force multiplier by performing current diving missions in South West Asia to include debris removal, bridge construction, salvage operations, underwater mine and explosive detection, and personnel recovery operations. Special operations dive teams use the sets for clandestine combat waterborne infiltration/ex-filtration and to aid in search and recovery operations.

Deep Sea Set (DSS): The Deep Sea Set provides diver-worn critical life support and safety related equipment required to conduct surface supplied diving operations in accordance with all commercial and military safety standards. It includes a full helmet diving assembly that provides air, and protection from pollution, falling debris, and other hazards. It allows for communications with the surface in a dry environment, and is required equipment for construction, cutting and welding, and salvage operations. The set also includes an umbilical assembly that supplies breathing air, depth monitoring and a communications/strength member capable of supporting the diver's weight. The communications assembly allows three divers and the diving supervisor to communicate. The set can be used to a depth of 250 feet and is the only system that protects the diver while conducting heavy construction and salvage operations. Army Acquisition Objective (AAO) for DSS is 6.

Funds in this program are a realignment of funds from program Items Less Than \$5 million, SSN ML5301 for more efficient, effective program management.

Secondary Distribution	FY 2014	FY 2015	FY 2016 Base	FY 2016 OCO	FY 2016 Total	FY 2017	FY 2018	FY 2019	FY 2020
Army	Quantity	-	-	1	-	1	-	-	-
	Total Obligation Authority	-	-	0.446	-	0.446	-	-	-
Total: Secondary Distribution	Quantity	-	-	1	-	1	-	-	-
	Total Obligation Authority	-	-	0.446	-	0.446	-	-	-

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

Appropriation / Budget Activity / Budget Sub Activity: 2035A: Other Procurement, Army / BA 03: Other Support Equipment / BSA 50: Construction Equipment	P-1 Line Item Number / Title: R07005 / Family of Diver Support Equipment
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ID Code (A=Service Ready, B=Not Service Ready) :			Program Elements for Code B Items:			Other Related Program Elements:		
Exhibits Schedule			Prior Years	FY 2014	FY 2015	FY 2016 Base	FY 2016 OCO	FY 2016 Total
Title*	Exhibits	ID CD	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)
R12050 / Deep Sea Set	P-40a		- / -	- / -	- / -	1 / 0.446	- / -	1 / 0.446
Total Gross/Weapon System Cost			- / -	- / -	- / -	1 / 0.446	- / -	1 / 0.446

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

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

Justification:
 FY16 Base procurement funding in the amount of \$.446 million supports 1 Deep Sea Set. Providing Soldiers these systems will give them the capability to complete required missions, provide support to civil authorities, and deter and defeat hybrid threats in support of Army Force Generation (ARFORGEN) requirements.

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

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

Appropriation / Budget Activity / Budget Sub Activity: 2035A / 03 / 50	P-1 Line Item Number / Title: R07005 / Family of Diver Support Equipment	Aggregated Items Title: Various
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Note: Subtotals or Totals in this Exhibit P-40a may not be exact or add, due to rounding.

Item Number / Title [DODIC]	ID CD	MDAP/MAIS Code	Prior Years			FY 2014			FY 2015			FY 2016 Base			FY 2016 OCO			FY 2016 Total		
			Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)
Deep Sea Set																				
R12050 / Deep Sea Set			-	-	-	-	-	-	-	-	446.000	1	0.446	-	-	-	446.000	1	0.446	
<i>Secondary Distribution</i>																				
Army			-	-	-	-	-	-	-	-	-	1	0.446	-	-	-	-	1	0.446	
<i>Subtotal: Deep Sea Set</i>			-	-	-	-	-	-	-	-	-	-	0.446	-	-	-	-	-	0.446	
Total			-	-	-	-	-	-	-	-	-	-	0.446	-	-	-	-	-	0.446	

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

Appropriation / Budget Activity / Budget Sub Activity: 2035A: Other Procurement, Army / BA 03: Other Support Equipment / BSA 50: Construction Equipment	P-1 Line Item Number / Title: M05500 / Const Equip ESP
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ID Code (A=Service Ready, B=Not Service Ready) : A	Program Elements for Code B Items:	Other Related Program Elements:
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Resource Summary	Prior Years	FY 2014	FY 2015	FY 2016 Base	FY 2016 OCO	FY 2016 Total	FY 2017	FY 2018	FY 2019	FY 2020	To Complete	Total
Procurement Quantity <i>(Units in Each)</i>	30	69	79	178	-	178	253	246	286	242	-	1,383
Gross/Weapon System Cost <i>(\$ in Millions)</i>	322.976	16.088	15.933	19.640	-	19.640	31.695	31.426	41.537	41.805	-	521.100
Less PY Advance Procurement <i>(\$ in Millions)</i>	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P1) <i>(\$ in Millions)</i>	322.976	16.088	15.933	19.640	-	19.640	31.695	31.426	41.537	41.805	-	521.100
Plus CY Advance Procurement <i>(\$ in Millions)</i>	-	-	-	-	-	-	-	-	-	-	-	-
Total Obligation Authority <i>(\$ in Millions)</i>	322.976	16.088	15.933	19.640	-	19.640	31.695	31.426	41.537	41.805	-	521.100

(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>	10,765.867	233.159	201.684	110.337	-	110.337	125.277	127.748	145.234	172.748	-	376.790

Description:

The Construction Equipment (CE) Service Life Extension Program (SLEP) supports the Engineer Strategy by extending current construction capability until new procurements can be executed. The SLEP includes the Deployable Universal Combat Earthmover (DEUCE), dual steel wheel roller (DSWR), high speed compactors (HSC), vibratory roller, All Terrain Crane (ATEC), Hydraulic Excavator (HYEX), Scraper 613C, 7.5T Crane, Engineer Mission Module (EMM) and select components of the asphalt mixing plant (AMP). The CE SLEP is a commercial off the shelf program (COTS).

The DEUCE is a rubber-tracked dozer used in clearing, leveling, and excavation operations. It is C-130 airplane transportable and can be dropped by parachute at low velocity. It can travel at speeds up to 30 miles per hour (MPH) eliminating the typical construction equipment requirement of trailers and additional haul assets. The DEUCE rubber tracks allow construction, loading, and off-loading on airfields and paved roads without damage. No replacement solution provides these capabilities at this time.

The Dual Steel Wheel Roller (DSWR) is a self-propelled vehicle consisting of two steel drums, a diesel engine, and a hydrostatic drive. It is a commercial system used to compact bituminous material in paving operations.

The High Speed Compactor (HSC) is equipped with articulated steering, a dozer blade, a diesel engine, and has segmented impact pads on each of the four drums. It is capable of compacting various soil types in forward or reverse at speeds up to 12 MPH.

The Vibratory Rollers Type I, Type II, and Type III are self-propelled single drum rollers equipped with vibratory action, and are used to level and compact all soil types.

The All Terrain Crane (ATEC) is a hydraulic, all terrain crane capable of traveling over primary, secondary and off road surfaces at the tacticle support level. Technical characteristics include: diesel engine, power shift transmission, three mode steering, independently controlled hydraulic outriggers and a 70 foot telescoping boom. The ATEC supports construction, maintenance bridging and resupply activities.

The Hydraulic Excavator (HYEX) Type I, II and III is a commercial item of construction equipment with minor military modifications. It is a diesel-driven, self-propelled, track mounted, hydraulically controlled system equipped with a hydraulic quick disconnect coupler for use with a wide variety of attachments.

The Scraper (613C) is a non-sectionalized/sectionalized scraper used by Engineer Support Companies for earthmoving maintenance and construction of roads and airfields. The sectionalised scraper can be sectionalized into two sections for transport by helicopter.

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Exhibit P-40, Budget Line Item Justification: PB 2016 Army		Date: February 2015
Appropriation / Budget Activity / Budget Sub Activity: 2035A: Other Procurement, Army / BA 03: Other Support Equipment / BSA 50: Construction Equipment		P-1 Line Item Number / Title: M05500 / Const Equip ESP

ID Code (A=Service Ready, B=Not Service Ready) : A	Program Elements for Code B Items:	Other Related Program Elements:
<p>The 7.5T Crane is used primarily in light car handling units where mobility is required. It is capable of safe operation in explosive environments at ammo and pol supply points and can be used by ordnance companies, petroleum platoons and maintenance battalions.</p> <p>The Engineer Mission Module (EMM), Water Distributor is one of four Engineer Mission Modules which are demountable, systems capable of repeated transport, operation and use with Load Handling systems (LHS) type trucks and associated trailers. The four EMMs are theL EMM-Dump Body (DB), EMM-Concrete Module (CM), EMM-Bituminous Doistributor (BD) and EMM-Water Distributor (WD).</p> <p>The Asphalt Mixing Plant (AMP) is a portable drum type, electric motor driven facility, capable of self erection (major components), and satisfactory operation without requiring permanent type footings. It consists of major units, components and accessories as required to assemble a complete plant capable of producing 150 tons per hour of graded asphalt paving mix. These units are trailer mounted and can be interconnected mechanically and electrically, and operated to rated capacity.</p>		

Secondary Distribution		FY 2014	FY 2015	FY 2016 Base	FY 2016 OCO	FY 2016 Total	FY 2017	FY 2018	FY 2019	FY 2020
Army	Quantity	35	16	43	-	43	78	75	97	75
	Total Obligation Authority	10.759	3.212	4.753	-	4.753	9.762	9.585	14.122	12.917
ANG	Quantity	23	47	88	-	88	113	110	123	117
	Total Obligation Authority	4.097	9.565	9.702	-	9.702	14.168	14.047	17.861	20.234
AR	Quantity	11	16	47	-	47	62	61	66	50
	Total Obligation Authority	1.232	3.156	5.185	-	5.185	7.765	7.794	9.554	8.654
Total:	Quantity	69	79	178	-	178	253	246	286	242
Secondary Distribution	Total Obligation Authority	16.088	15.933	19.640	-	19.640	31.695	31.426	41.537	41.805

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

Appropriation / Budget Activity / Budget Sub Activity: 2035A: Other Procurement, Army / BA 03: Other Support Equipment / BSA 50: Construction Equipment	P-1 Line Item Number / Title: M05500 / Const Equip ESP
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ID Code (A=Service Ready, B=Not Service Ready) : A			Program Elements for Code B Items:			Other Related Program Elements:		
Exhibits Schedule			Prior Years	FY 2014	FY 2015	FY 2016 Base	FY 2016 OCO	FY 2016 Total
Title*	Exhibits	ID CD	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)
M05500 / Const Equip ESP	P-5, P-5a	A	30 / 322.976	69 / 16.088	79 / 15.933	178 / 19.640	- / -	178 / 19.640
Total Gross/Weapon System Cost			30 / 322.976	69 / 16.088	79 / 15.933	178 / 19.640	- / -	178 / 19.640

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

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

Justification:
 FY 2016 Base procurement dollars in the amount of \$19.640 million provides refurbishment of approximately 178 vehicles consisting of the ATEC Crane, DEUCE, HYEX Type I, II and III and Compaction Equipment. The Construction Equipment (CE) Service Life Extension Program (SLEP) is the engineer's lifeline to sustain the current force. The SLEP is critical to maintaining engineer unit's operational readiness standards by extending the life of many different CE vehicles by 10-15 years. It returns vehicles to the field with zero hours and zero miles with a manufacturer new vehicle warranty of 18 months. This program lowers the Army's operation and support costs normally associated with aged equipment. The SLEP is conducted at contractor facilities worldwide to include Germany, Italy, Korea, Kuwait and the USA.

This program is considered a Critical Dual Use (CDU) system enabling and supporting Defense Support to Civil Authorities (DSCA) 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 military support to civil authorities.

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

Appropriation / Budget Activity / Budget Sub Activity: 2035A / 03 / 50	P-1 Line Item Number / Title: M05500 / Const Equip ESP	Item Number / Title [DODIC]: M05500 / Const Equip ESP
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ID Code (A=Service Ready, B=Not Service Ready) : A **MDAP/MAIS Code:**

Resource Summary	Prior Years	FY 2014	FY 2015	FY 2016 Base	FY 2016 OCO	FY 2016 Total
Procurement Quantity (Units in Each)	30	69	79	178	-	178
Gross/Weapon System Cost (\$ in Millions)	322.976	16.088	15.933	19.640	-	19.640
Less PY Advance Procurement (\$ in Millions)	-	-	-	-	-	-
Net Procurement (P1) (\$ in Millions)	322.976	16.088	15.933	19.640	-	19.640
Plus CY Advance Procurement (\$ in Millions)	-	-	-	-	-	-
Total Obligation Authority (\$ in Millions)	322.976	16.088	15.933	19.640	-	19.640

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

Initial Spares (\$ in Millions)	-	-	-	-	-	-
Gross/Weapon System Unit Cost (\$ in Thousands)	10,765.867	233.159	201.684	110.337	-	110.337

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

Cost Elements	Prior Years			FY 2014			FY 2015			FY 2016 Base			FY 2016 OCO			FY 2016 Total		
	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)
Flyaway Cost																		
Recurring Cost																		
Hardware -- DEUCE ^(†)	12,243.200	24	293.837	1,892.300	8	15.138	276.700	40	11.068	314.000	1	0.314	-	-	-	314.000	1	0.314
Hardware -- Compaction Equipment ^(†)	100.000	39	3.900	-	-	-	100.000	39	3.900	110.779	68	7.533	-	-	-	110.779	68	7.533
Hardware -- Vib Rollers I/II ^(†)	-	-	-	-	-	-	-	-	-	72.000	46	3.312	-	-	-	72.000	46	3.312
Hardware -- Vib Rollers II ^(†)	-	-	-	-	-	-	-	-	-	95.000	45	4.275	-	-	-	95.000	45	4.275
Hardware -- ATEC ^(†)	-	-	-	-	-	-	-	-	-	250.000	7	1.750	-	-	-	250.000	7	1.750
Hardware -- HYEX Type I/II/III ^(†)	-	-	-	-	-	-	-	-	-	195.455	11	2.150	-	-	-	195.455	11	2.150
Engineering Changes	-	-	4.240	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
System Engineering/ Program Management	-	-	14.039	-	-	0.800	-	-	0.815	-	-	0.256	-	-	-	-	-	0.256
Data	-	-	3.000	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Fielding	-	-	3.960	-	-	0.150	-	-	0.150	-	-	0.050	-	-	-	-	-	0.050
Subtotal: Recurring Cost	-	-	322.976	-	-	16.088	-	-	15.933	-	-	19.640	-	-	-	-	-	19.640
Subtotal: Flyaway Cost	-	-	322.976	-	-	16.088	-	-	15.933	-	-	19.640	-	-	-	-	-	19.640
Gross/Weapon System Cost	10,765.867	30	322.976	233.159	69	16.088	201.684	79	15.933	110.337	178	19.640	-	-	-	110.337	178	19.640

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

Appropriation / Budget Activity / Budget Sub Activity: 2035A / 03 / 50	P-1 Line Item Number / Title: M05500 / Const Equip ESP	Item Number / Title [DODIC]: M05500 / Const Equip ESP
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ID Code (A=Service Ready, B=Not Service Ready) : A **MDAP/MAIS Code:**

Secondary Distribution		FY 2014	FY 2015	FY 2016 Base	FY 2016 OCO	FY 2016 Total
Army	Quantity	35	16	43	-	43
	Total Obligation Authority	10.759	3.212	4.753	-	4.753
ANG	Quantity	23	47	88	-	88
	Total Obligation Authority	4.097	9.565	9.702	-	9.702
AR	Quantity	11	16	47	-	47
	Total Obligation Authority	1.232	3.156	5.185	-	5.185
Total:	Quantity	69	79	178	-	178
Secondary Distribution	Total Obligation Authority	16.088	15.933	19.640	-	19.640

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

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

Appropriation / Budget Activity / Budget Sub Activity: 2035A / 03 / 50	P-1 Line Item Number / Title: M05500 / Const Equip ESP	Item Number / Title [DODIC]: M05500 / Const Equip ESP
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Cost Elements	O C O	FY	Contractor and Location	Method/Type or Funding Vehicle	Location of PCO	Award Date	Date of First Delivery	Qty <i>(Each)</i>	Unit Cost <i>(\$ K)</i>	Specs Avail Now?	Date Revision Available	RFP Issue Date
Hardware -- DEUCE		2014	Caterpillar / Peoria	SS / FFP	TACOM	Jan 2014	Jul 2014	8	1,892.300			
Hardware -- DEUCE		2015	Caterpillar / Peoria	SS / FFP	TACOM	Jan 2015	Jul 2015	40	276.700	N		
Hardware -- DEUCE		2016	Caterpillar / Peoria	SS / FFP	TACOM	Jan 2016	Jul 2016	1	314.000			
Hardware -- Compaction Equipment		2015	Caterpillar / Peoria	SS / FFP	TACOM	Jan 2015	Jul 2015	39	100.000			
Hardware -- Compaction Equipment		2016	Caterpillar / Peoria	SS / FFP	TACOM	Jan 2016	Jul 2016	68	110.779			
Hardware -- Vib Rollers I/III		2016	Caterpillar / Peoria	SS / FFP	TACOM	Jan 2016	Jul 2016	46	72.000			
Hardware -- Vib Rollers II		2016	Caterpillar / Peoria	SS / FFP	TACOM	Jan 2016	Jul 2016	45	95.000			
Hardware -- ATEC		2016	TBD / TBD	SS / FFP	TACOM	Jan 2016	Jul 2016	7	250.000			
Hardware -- HYEX Type I/II/III		2016	TBD / TBD	SS / FFP	TACOM	Jan 2016	Jul 2016	11	195.455			

Remarks:
This is a Commercial-Off-the-Shelf (COTS) Program.

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

Appropriation / Budget Activity / Budget Sub Activity: 2035A: Other Procurement, Army / BA 03: Other Support Equipment / BSA 50: Construction Equipment	P-1 Line Item Number / Title: ML5350 / Items Less Than \$5.0M (Const Equip)
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ID Code (A=Service Ready, B=Not Service Ready) : A		Program Elements for Code B Items:					Other Related Program Elements:					
Resource Summary	Prior Years	FY 2014	FY 2015	FY 2016 Base	FY 2016 OCO	FY 2016 Total	FY 2017	FY 2018	FY 2019	FY 2020	To Complete	Total
Procurement Quantity (Units in Each)	19	23	53	28	-	28	49	47	30	-	Continuing	Continuing
Gross/Weapon System Cost (\$ in Millions)	109.626	6.850	6.749	5.087	-	5.087	9.515	9.167	7.613	-	Continuing	Continuing
Less PY Advance Procurement (\$ in Millions)	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P1) (\$ in Millions)	109.626	6.850	6.749	5.087	-	5.087	9.515	9.167	7.613	-	Continuing	Continuing
Plus CY Advance Procurement (\$ in Millions)	-	-	-	-	-	-	-	-	-	-	-	-
Total Obligation Authority (\$ in Millions)	109.626	6.850	6.749	5.087	-	5.087	9.515	9.167	7.613	-	Continuing	Continuing
<i>(The following Resource Summary rows are for informational purposes only. The corresponding budget requests are documented elsewhere.)</i>												
Initial Spares (\$ in Millions)	-	-	-	-	-	-	-	-	-	-	-	-
Flyaway Unit Cost (\$ in Thousands)	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Unit Cost (\$ in Thousands)	5,769.789	297.826	127.340	181.679	-	181.679	194.184	195.043	253.767	-	Continuing	Continuing

Description:

This program covers various types of Construction Equipment (CE) where the acquisition cost for each line item is below \$5.0 million. These programs provide the enhanced capabilities to the current force making them able to execute their expeditionary mission.

1. Route Remediation is a system of systems that provide engineer units the capability to quickly repair damaged or improve worn routes throughout unit assigned areas of responsibility. This system consists of:

--The Portable Asphalt Patcher: is a highly mobile, self-contained, spray injection asphalt patcher built on an M1077 flat rack. It mixes aggregate with asphalt emulsion and dispenses the mixture into a repair area for a patch that is traffic ready within 20 minutes. The Army Acquisition Objective (AAO) is 7 systems.

--The Self Propelled Concrete Saw (SPCS) is fully operational and controlled by one person. The SPCS fills capability gaps in the ability of engineer teams to effectively conduct rapid, expedient, route repair in support of assured mobility. The Army Acquisition Objective (AAO) is 46 systems.

--The Portable Concrete Mixer (PCM) is a towable, fully functional, and independently powered volumetric concrete mixer. It provides continuous operation with a minimum concrete production capacity of 2 cubic yards and has a 250 gallon minimum on-board pressurized water system. The Army Acquisition Objective (AAO) is 320.

2. The Water Well Drilling Rig (WWDR) is a four piece system consisting of a self propelled drilling rig, support/tender truck, a mud trailer and an air compressor trailer. The system will be used to produce water where surface or commercial sources do not exist. The drilling rig is a hydraulic, top-head driven unit with a telescoping mast capable of employing a standard 20 foot 8 inch drill steel string to a depth of 2000 feet. The rig will carry the initial 500 feet of drill steel. The support/tender truck will have a 2500 gallon water tank, an auxiliary 500 gallon fuel tank, a crane, and the capacity to carry 1500 feet in additional drill steel. The mud trailer will contain a mixing/cleaning system. The air compressor trailer will be utilized in supporting role in drilling and retrieving drill steel based upon geographical situations.

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

Appropriation / Budget Activity / Budget Sub Activity: 2035A: Other Procurement, Army / BA 03: Other Support Equipment / BSA 50: Construction Equipment	P-1 Line Item Number / Title: ML5350 / Items Less Than \$5.0M (Const Equip)
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ID Code (A=Service Ready, B=Not Service Ready) : A		Program Elements for Code B Items:				Other Related Program Elements:				
Secondary Distribution		FY 2014	FY 2015	FY 2016 Base	FY 2016 OCO	FY 2016 Total	FY 2017	FY 2018	FY 2019	FY 2020
Army	Quantity	3	-	14	-	14	14	14	-	-
	Total Obligation Authority	0.893	-	1.629	-	1.629	1.451	0.960	-	-
ANG	Quantity	13	34	7	-	7	17	17	15	-
	Total Obligation Authority	3.872	4.405	1.729	-	1.729	4.032	4.424	3.806	-
AR	Quantity	7	19	7	-	7	18	16	15	-
	Total Obligation Authority	2.085	2.344	1.729	-	1.729	4.032	3.783	3.807	-
Total:	Quantity	23	53	28	-	28	49	47	30	-
Secondary Distribution	Total Obligation Authority	6.850	6.749	5.087	-	5.087	9.515	9.167	7.613	-

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

Appropriation / Budget Activity / Budget Sub Activity: 2035A: Other Procurement, Army / BA 03: Other Support Equipment / BSA 50: Construction Equipment	P-1 Line Item Number / Title: ML5350 / Items Less Than \$5.0M (Const Equip)
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ID Code (A=Service Ready, B=Not Service Ready) : A			Program Elements for Code B Items:			Other Related Program Elements:		
Exhibits Schedule			Prior Years	FY 2014	FY 2015	FY 2016 Base	FY 2016 OCO	FY 2016 Total
Title*	Exhibits	ID CD	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)
ML5350 / Items Less Than \$5.0M (Const Equip)	P-5, P-5a	A	19 / 109.626	23 / 6.850	53 / 6.749	28 / 5.087	- / -	28 / 5.087
Total Gross/Weapon System Cost			19 / 109.626	23 / 6.850	53 / 6.749	28 / 5.087	- / -	28 / 5.087

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

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

Justification:
 FY 2016 Base procurement dollars in the amount of \$5.087 million supports the procurement, fielding, and training of 28 Route Remediation systems. This equipment will allow Engineer Construction units to meet Operational Tempo (OPTEMPO) and Stability Reconstruction Operation (S&RO) requirements. Funding supports a balanced investment strategy for the Army's approved force structure and Army Force Generation (ARFORGEN) requirements.

The FY 2016 funding request was reduced for \$2.467 million to account for the availability of prior year execution balances.

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

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Exhibit P-5, Cost Analysis: PB 2016 Army		Date: February 2015
Appropriation / Budget Activity / Budget Sub Activity: 2035A / 03 / 50	P-1 Line Item Number / Title: ML5350 / Items Less Than \$5.0M (Const Equip)	Item Number / Title [DODIC]: ML5350 / Items Less Than \$5.0M (Const Equip)

ID Code (A=Service Ready, B=Not Service Ready) : A	MDAP/MAIS Code:
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Resource Summary	Prior Years	FY 2014	FY 2015	FY 2016 Base	FY 2016 OCO	FY 2016 Total
Procurement Quantity (Units in Each)	19	23	53	28	-	28
Gross/Weapon System Cost (\$ in Millions)	109.626	6.850	6.749	5.087	-	5.087
Less PY Advance Procurement (\$ in Millions)	-	-	-	-	-	-
Net Procurement (P1) (\$ in Millions)	109.626	6.850	6.749	5.087	-	5.087
Plus CY Advance Procurement (\$ in Millions)	-	-	-	-	-	-
Total Obligation Authority (\$ in Millions)	109.626	6.850	6.749	5.087	-	5.087

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

Initial Spares (\$ in Millions)	-	-	-	-	-	-
Gross/Weapon System Unit Cost (\$ in Thousands)	5,769.789	297.826	127.340	181.679	-	181.679

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

Cost Elements	Prior Years			FY 2014			FY 2015			FY 2016 Base			FY 2016 OCO			FY 2016 Total		
	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)
Flyaway Cost																		
Recurring Cost																		
Attachment SSL, Type II	13.000	535	6.955	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Attachments SSL, Type III	31.000	393	12.183	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Forklift Attachments for Loaders	8.000	202	1.616	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Paving Machine, Bituminous Material	378.000	18	6.804	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
TCMMD	7.000	23	0.161	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Well Drilling ^(†)	3,500.000	4	14.000	-	-	-	1,500.000	1	1.500	-	-	-	-	-	-	-	-	-
Machine Powered Mowing System	200.000	43	8.600	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Portable Concrete Mixer ^(†)	-	-	-	126.000	25	3.150	125.000	9	1.125	130.000	9	1.170	-	-	-	130.000	9	1.170
Self Propelled Concrete Saw ^(†)	-	-	-	-	-	-	35.000	3	0.105	38.000	15	0.570	-	-	-	38.000	15	0.570
Portable Asphalt Patcher ^(†)	-	-	-	-	-	-	-	-	-	132.000	2	0.264	-	-	-	132.000	2	0.264
Vegetation Removal Tool	53.000	95	5.035	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Engineering Changes	-	-	1.500	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

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Exhibit P-5, Cost Analysis: PB 2016 Army		Date: February 2015
Appropriation / Budget Activity / Budget Sub Activity: 2035A / 03 / 50		P-1 Line Item Number / Title: ML5350 / Items Less Than \$5.0M (Const Equip)
ID Code (A=Service Ready, B=Not Service Ready) : A		MDAP/MAIS Code:
Item Number / Title [DODIC]: ML5350 / Items Less Than \$5.0M (Const Equip)		

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

Cost Elements	Prior Years			FY 2014			FY 2015			FY 2016 Base			FY 2016 OCO			FY 2016 Total		
	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)
System Engineering/ Program Management	-	-	10.104	-	-	0.850	-	-	1.000	-	-	0.700	-	-	-	-	-	0.700
System Test and Evaluation, Production	-	-	10.064	-	-	0.531	-	-	0.733	-	-	0.300	-	-	-	-	-	0.300
Data	-	-	11.593	-	-	1.219	-	-	0.786	-	-	1.200	-	-	-	-	-	1.200
Support Equipment	-	-	5.644	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Fielding	-	-	15.367	-	-	1.100	-	-	1.500	-	-	0.883	-	-	-	-	-	0.883
<i>Subtotal: Recurring Cost</i>	-	-	<i>109.626</i>	-	-	<i>6.850</i>	-	-	<i>6.749</i>	-	-	<i>5.087</i>	-	-	<i>-</i>	-	-	<i>5.087</i>
<i>Subtotal: Flyaway Cost</i>	-	-	<i>109.626</i>	-	-	<i>6.850</i>	-	-	<i>6.749</i>	-	-	<i>5.087</i>	-	-	<i>-</i>	-	-	<i>5.087</i>
Gross/Weapon System Cost	5,769.789	19	109.626	297.826	23	6.850	127.340	53	6.749	181.679	28	5.087	-	-	181.679	28	5.087	

Secondary Distribution		FY 2014	FY 2015	FY 2016 Base	FY 2016 OCO	FY 2016 Total
Army	Quantity	3	-	14	-	14
	Total Obligation Authority	0.893	-	1.629	-	1.629
ANG	Quantity	13	34	7	-	7
	Total Obligation Authority	3.872	4.405	1.729	-	1.729
AR	Quantity	7	19	7	-	7
	Total Obligation Authority	2.085	2.344	1.729	-	1.729
Total: Secondary Distribution	Quantity	23	53	28	-	28
	Total Obligation Authority	6.850	6.749	5.087	-	5.087

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

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Exhibit P-5a, Procurement History and Planning: PB 2016 Army							Date: February 2015					
Appropriation / Budget Activity / Budget Sub Activity: 2035A / 03 / 50			P-1 Line Item Number / Title: ML5350 / Items Less Than \$5.0M (Const Equip)				Item Number / Title [DODIC]: ML5350 / Items Less Than \$5.0M (Const Equip)					

Cost Elements	O C O	FY	Contractor and Location	Method/Type or Funding Vehicle	Location of PCO	Award Date	Date of First Delivery	Qty (Each)	Unit Cost (\$ K)	Specs Avail Now?	Date Revision Available	RFP Issue Date
Well Drilling		2015	Laibe Corporation / Indianapolis, IN	SS / FFP	TACOM	Jun 2015	Sep 2015	1	1,500.000			
Portable Concrete Mixer		2014	Brothers Body and Equipment / Galion, OH	C / FFP	TACOM	Dec 2014	Aug 2015	25	126.000	N		
Portable Concrete Mixer		2015	Brothers Body and Equipment / Galion, OH	C / FFP	TACOM	Dec 2014	Aug 2016	9	125.000	N		
Portable Concrete Mixer		2016	Brothers Body and Equipment / Galion, OH	C / FFP	TACOM	Aug 2016	Aug 2017	9	130.000	N		
Self Propelled Concrete Saw		2015	TBD / TBD	C / FFP	TACOM	Mar 2015	Jun 2015	3	35.000	N		
Self Propelled Concrete Saw		2016	TBD / TBD	C / FFP	TACOM	Jan 2016	Jun 2016	15	38.000	N		
Portable Asphalt Patcher		2016	TBD / TBD	C / FFP	TACOM	Jul 2016	Jun 2017	2	132.000	N		

Remarks:
These items are being procured as Commercial-off-the-Shelf (COTS) systems

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

Appropriation / Budget Activity / Budget Sub Activity: 2035A: Other Procurement, Army / BA 03: Other Support Equipment / BSA 55: Rail Float Containerization Equipment	P-1 Line Item Number / Title: M11101 / Army Watercraft Esp
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ID Code (A=Service Ready, B=Not Service Ready) :	Program Elements for Code B Items:						Other Related Program Elements:					
Resource Summary	Prior Years	FY 2014	FY 2015	FY 2016 Base	FY 2016 OCO	FY 2016 Total	FY 2017	FY 2018	FY 2019	FY 2020	To Complete	Total
Procurement Quantity (Units in Each)	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Cost (\$ in Millions)	-	-	3.509	39.772	-	39.772	32.215	40.665	40.825	41.601	Continuing	Continuing
Less PY Advance Procurement (\$ in Millions)	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P1) (\$ in Millions)	-	-	3.509	39.772	-	39.772	32.215	40.665	40.825	41.601	Continuing	Continuing
Plus CY Advance Procurement (\$ in Millions)	-	-	-	-	-	-	-	-	-	-	-	-
Total Obligation Authority (\$ in Millions)	-	-	3.509	39.772	-	39.772	32.215	40.665	40.825	41.601	Continuing	Continuing
<i>(The following Resource Summary rows are for informational purposes only. The corresponding budget requests are documented elsewhere.)</i>												
Initial Spares (\$ in Millions)	-	-	-	-	-	-	-	-	-	-	-	-
Flyaway Unit Cost (\$ in Thousands)	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Unit Cost (\$ in Thousands)	-	-	-	-	-	-	-	-	-	-	-	-

Description:

The Army Watercraft ESP budget line funds the Service Life Extension Program (SLEP) across the Army Watercraft Systems portfolio. In FY 2015 - FY 2022 specifically, the Army Watercraft ESP budget line will fund across the Army LCU-2000 inventory, a globally dispersed fleet of 34 vessels, and will extend current Economic Useful Life (EUL) of this platform by 10 years that will bridge the gap to procurement of a replacement vessel. While no new capability is being added, some capabilities will be improved through new technology insertion, such as Engine Repower. The Army Watercraft ESP budget line will also support the start of SLEP for the Modular Causeway System (MCS), specifically the Modular Warping Tug (MWT), one of four end items of the MCS. For the MCS, the focus is repower as well as new electrical system/components.

The US Army Watercraft Service Life Extension Program (SLEP) in prior fiscal years has been funded by MA4500, Modification of In-Service Equipment. As of FY 2014, the SLEP requirement moved to M11101 Army Watercraft Extended Service Program (ESP).

Landing Craft Utility 2000 (LCU-2000) provides intra-theater movement of combat vehicles, equipment, and sustainment cargo, to include containerized, break-bulk, and roll-on roll-off (RO/RO) cargo, to improved and/or degraded ports, bare and austere beaches, and inland water terminals. The vessel is ideally suited for the discharge and back load of sea lift; the shallow draft, bow ramp, and associated systems providing for beaching and extraction. The vessel supports Joint Logistics Over the Shore (JLOTS), seaport opening, and delivers combat-configured elements or sustainment cargo during all phases of the campaign.

Army Watercraft Systems are categorized under Landing Craft, Towing and Terminal Operations, Ship-to-Shore Enablers and Watercraft Operations Support. Landing Craft consist of 8 Logistic Support Vessels (LSV), 34 Landing Craft Utility (LCU-2000), and 30 Landing Craft Mechanized (LCM-8) MOD 1. Towing and Terminal Operations consist of 6 Large Tugs (LT 800), 16 Small Tugs (ST 900), and 4 Barge Derrick Cranes (BD-115). Ship-to-Shore Enablers consist of 3 Modular Causeway Systems (MCS) [each MCS includes 2 Roll-On/Roll-Off Discharge Facilities (RRDF), 5 Modular Warping Tugs (MWT), 1 Causeway Ferry (CF), 1 Floating Causeway (FC)]. Landing Craft discharge combat equipment or troops to austere beaches, undeveloped coastlines and operate in a non-permissive environment. Towing and Terminal Operations and Ship-to-Shore Enablers support ocean and port/harbor towing/salvage operations. Both are critical in denied/degraded ports, Joint Logistics Over-the-Shore (JLOTS) operations, and operations throughout the littorals. Watercraft Operations Support includes 6 LCM-8 MOD 2.

First fielded in 1988, the Logistics Support Vessel (LSV) is globally self deployable, and provides worldwide and intra-theater movement and line haul of large quantities of combat vehicles, equipment, and sustainment cargo, to include containerized, break-bulk, and Roll-on Roll-off (RO/RO) cargo, to improved and/or degraded ports, bare and austere beaches, and inland water terminals. With 10,500 square feet of cargo space and a payload capacity of 2,000 tons, the LSV can carry 24 combat loaded M1A1 Main Battle Tanks or the equivalent. The vessel supports JLOTS, seaport opening and coastal/inland waterway distribution, anti-access theater opening, and can deliver combat-configured elements or sustainment cargo during all phases of the campaign.

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

Appropriation / Budget Activity / Budget Sub Activity: 2035A: Other Procurement, Army / BA 03: Other Support Equipment / BSA 55: Rail Float Containerization Equipment	P-1 Line Item Number / Title: M11101 / Army Watercraft Esp
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ID Code (A=Service Ready, B=Not Service Ready) :	Program Elements for Code B Items:	Other Related Program Elements:
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First fielded in 1990, the Landing Craft Utility (LCU-2000) provides intra-theater movement of combat vehicles, equipment, and sustainment cargo, to include containerized, break-bulk, and RO/RO cargo to improved and/or degraded ports, bare and austere beaches, and inland water terminals. The vessel is ideally suited for the discharge and back load of sea lift, the shallow draft, bow ramp, and associated systems providing capability for beaching and beach extraction. The vessel supports JLOTS, seaport opening and coastal/inland waterway distribution, anti-access theater opening, and can deliver combat-configured elements or sustainment during all phases of the campaign.

First fielded in 1967, the Landing Craft Mechanized (LCM-8) transports combat equipped personnel and equipment, and sustainment cargo, from ship to shore and/or within coastal areas including inland waterways. The vessel is also capable of providing medical evacuations, command and control (C2) afloat and light harbor salvage support. The size of the vessel facilitates operation within restricted areas, access to shallow areas to include bare beaches, and extensively throughout inland waterways.

First fielded in 1994, the Large Tug 800 (LT 800) performs transoceanic and coastal towing operations, docking and undocking of large ships, salvage and recovery operations for disabled or damaged watercraft at sea and along the coastal main supply routes, clearance of degraded, damaged, and denied access waterways and port facilities, and provides both ship to ship and ship to shore firefighting capability to include in support of ammunition upload/download operations.

First fielded in 1998, the Small Tug 900 (ST 900) provides movement of cargo barges and lighterage of various types within a harbor, port, or Logistics Over the Shore (LOTS) or Joint LOTS (JLOTS) operations. It also assists larger tugs with utility work such as docking/undocking of ships of all sizes, movement of floating cranes, and line-handling duties.

First fielded in 1999, the Barge Derrick, 115 ton (BD-115) provides heavy lift to load and discharge cargo that exceeds the lift capacity of ship's gear in theater-wide missions/operations. The BD-115 is capable of lifting the M1A1 main battle tank from the centerline of a non-self sustaining ship, and is world-wide deployable via the LT-800. The BD-115 also provides heavy clearance and salvage capabilities within degraded, damaged, and denied access waterways and port facilities.

First fielded in 1996, the Modular Causeway System (MCS) provides floating platforms for the loading, discharge, and transport of combat vehicles, equipment, and sustainment cargo to and from improved or austere ports, inland water terminals, and during bare beach operations. A modular and highly transportable system, the MCS consists of both powered and non-powered systems to include the Roll-on Roll-off Discharge Facility (RRDF), Causeway Ferry (CF), Floating Causeway (FC), and Warring Tug (WT), and serves as a key enabler for both LOTS and JLOTS operations.

Secondary Distribution		FY 2014	FY 2015	FY 2016 Base	FY 2016 OCO	FY 2016 Total	FY 2017	FY 2018	FY 2019	FY 2020
Army	Quantity	-	-	-	-	-	-	-	-	-
	Total Obligation Authority	-	3.509	19.886	-	19.886	16.108	40.665	29.161	29.715
AR	Quantity	-	-	-	-	-	-	-	-	-
	Total Obligation Authority	-	-	19.886	-	19.886	16.107	-	11.664	11.886
Total: Secondary Distribution	Quantity	-	-	-	-	-	-	-	-	-
	Total Obligation Authority	-	3.509	39.772	-	39.772	32.215	40.665	40.825	41.601

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

Appropriation / Budget Activity / Budget Sub Activity:
 2035A: Other Procurement, Army / BA 03: Other Support Equipment / BSA 55: Rail Float Containerization Equipment

P-1 Line Item Number / Title:
 M11101 / Army Watercraft Esp

ID Code (A=Service Ready, B=Not Service Ready) :			Program Elements for Code B Items:			Other Related Program Elements:		
Exhibits Schedule			Prior Years	FY 2014	FY 2015	FY 2016 Base	FY 2016 OCO	FY 2016 Total
Title*	Exhibits	ID CD	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)
M11101 / Army Watercraft Esp	P-5, P-5a, P-21		- / -	- / -	- / 3.509	- / 39.772	- / -	- / 39.772
Total Gross/Weapon System Cost			- / -	- / -	- / 3.509	- / 39.772	- / -	- / 39.772

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

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

Justification:
 The FY 2016 Base procurement dollars in the amount of \$39.772 million supports the Service Life Extension Program (SLEP) Phase I contract award to extend the Economic Useful Life (EUL) 10 years of two of the 34 LCU 2000s. The \$39.800 million amount represents the minimal FY 2016 investment necessary via SLEP in order to retain this vital operational capability. The LCU-2000 was fielded from 1990-1993 and was designed and built specifically to the objective of a 25 year EUL, currently expiring by 2015. The SLEP modification package will make improvements including 13 select Engineering Change Proposals (ECPs) through technology insertion, specifically targeting improvements in energy efficiency; which are not covered under the Mod Line. Major focus areas of LCU SLEP are the main propulsion system, shipboard electrical generation, distribution system, logistics products, bow thruster system, auxiliary machinery systems, force protection, engine trainers for the US Army Transportation School, and a Technical Data Package (TDP) that will be used for Phase 2 of the LCU-2000 SLEP.

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Exhibit P-5, Cost Analysis: PB 2016 Army		Date: February 2015
Appropriation / Budget Activity / Budget Sub Activity: 2035A / 03 / 55	P-1 Line Item Number / Title: M11101 / Army Watercraft Esp	Item Number / Title [DODIC]: M11101 / Army Watercraft Esp

ID Code (A=Service Ready, B=Not Service Ready) :	MDAP/MAIS Code:
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Resource Summary	Prior Years	FY 2014	FY 2015	FY 2016 Base	FY 2016 OCO	FY 2016 Total
Procurement Quantity (Units in Each)	-	-	-	-	-	-
Gross/Weapon System Cost (\$ in Millions)	-	-	3.509	39.772	-	39.772
Less PY Advance Procurement (\$ in Millions)	-	-	-	-	-	-
Net Procurement (P1) (\$ in Millions)	-	-	3.509	39.772	-	39.772
Plus CY Advance Procurement (\$ in Millions)	-	-	-	-	-	-
Total Obligation Authority (\$ in Millions)	-	-	3.509	39.772	-	39.772

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

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

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

Cost Elements	Prior Years			FY 2014			FY 2015			FY 2016 Base			FY 2016 OCO			FY 2016 Total		
	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)
Flyaway Cost																		
Recurring Cost																		
SLEP Vessels ^(†)	-	-	-	-	-	-	-	-	-	12,875.500	2	25.751	-	-	-	12,875.500	2	25.751
New Equipment Training (NET)	-	-	-	-	-	-	-	-	-	-	-	0.515	-	-	-	-	-	0.515
Technical Manuals	-	-	-	-	-	-	-	-	-	-	-	10.130	-	-	-	-	-	10.130
SLEP Program Management/Matrix Support	-	-	-	-	-	-	-	-	3.509	-	-	2.176	-	-	-	-	-	2.176
Training Assets	-	-	-	-	-	-	-	-	-	-	-	1.200	-	-	-	-	-	1.200
<i>Subtotal: Recurring Cost</i>	-	-	-	-	-	-	-	-	3.509	-	-	39.772	-	-	-	-	-	39.772
<i>Subtotal: Flyaway Cost</i>	-	-	-	-	-	-	-	-	3.509	-	-	39.772	-	-	-	-	-	39.772
Gross/Weapon System Cost	-	-	-	-	-	-	-	-	3.509	-	-	39.772	-	-	-	-	-	39.772

Secondary Distribution		FY 2014	FY 2015	FY 2016 Base	FY 2016 OCO	FY 2016 Total
Army	Quantity	-	-	-	-	-
	Total Obligation Authority	-	3.509	19.886	-	19.886
AR	Quantity	-	-	-	-	-
	Total Obligation Authority	-	-	19.886	-	19.886
Total:	Quantity	-	-	-	-	-

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Exhibit P-5, Cost Analysis: PB 2016 Army	Date: February 2015
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Appropriation / Budget Activity / Budget Sub Activity: 2035A / 03 / 55	P-1 Line Item Number / Title: M11101 / Army Watercraft Esp	Item Number / Title [DODIC]: M11101 / Army Watercraft Esp
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ID Code (A=Service Ready, B=Not Service Ready) :	MDAP/MAIS Code:
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	FY 2014	FY 2015	FY 2016 Base	FY 2016 OCO	FY 2016 Total
Secondary Distribution					
Secondary Distribution	Total Obligation Authority	-	3.509	39.772	-
					39.772

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

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

Appropriation / Budget Activity / Budget Sub Activity: 2035A / 03 / 55	P-1 Line Item Number / Title: M11101 / Army Watercraft Esp	Item Number / Title [DODIC]: M11101 / Army Watercraft Esp
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Cost Elements	O C O	FY	Contractor and Location	Method/Type or Funding Vehicle	Location of PCO	Award Date	Date of First Delivery	Qty <i>(Each)</i>	Unit Cost <i>(\$ K)</i>	Specs Avail Now?	Date Revision Available	RFP Issue Date
SLEP Vessels ^(†)		2016	TBD 1 / TBD	C / FFP	WARREN, MI	Mar 2016	Dec 2016	2	12,875.500	N		Jun 2015

^(†) indicates the presence of a P-21

Remarks:

The Landing Craft Utility (LCU-2000) Service Life Extension Program (SLEP) is planned in two phases. The first phase (Phase I) will consist of up to 2 Low Rate Initial Production (LRIP) vessels, and 2 option vessels. This LRIP during FY 2016-2018 will be used for SLEP, ECP, TDP, NET Development, Test, Evaluation, Technical Manual (TM) Validation, and TM Verification. The second phase (Phase II) will consist of Full Rate Production (FRP) of LCU-2000 vessels in FY 2018-2022. The SLEP activities will update Main Propulsion, Bow Thruster, and Ships Service Generator diesel engines; upgrade Force Protection Equipment (new gun mounts and ballistic protection), and upgrade engineering systems (e.g. Air Conditioning System). Preparation for a full and open competitive contract is in process. Lead times are based on previous SLEP contracts.

The SLEP requirement moved to M11101 Army Watercraft Extended Service Program (ESP) line in FY 2014. The US Army Watercraft SLEP in prior fiscal years has been funded by MA4500.

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

Appropriation / Budget Activity / Budget Sub Activity: 2035A / 03 / 55	P-1 Line Item Number / Title: M11101 / Army Watercraft Esp	Item Number / Title [DODIC]: M11101 / Army Watercraft Esp
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Cost Elements <i>(Units in Each)</i>						Fiscal Year 2016												Fiscal Year 2017												
O C C O	M F R #	FY	SERVICE	PROC QTY	ACCEPT PRIOR TO 1 OCT 2015	BAL DUE AS OF 1 OCT	Calendar Year 2016												Calendar Year 2017											
							O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P
SLEP Vessels																														
	1	2016	ARMY	2	-	2																								

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Exhibit P-21, Production Schedule: PB 2016 Army	Date: February 2015
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Appropriation / Budget Activity / Budget Sub Activity: 2035A / 03 / 55	P-1 Line Item Number / Title: M11101 / Army Watercraft Esp	Item Number / Title [DODIC]: M11101 / Army Watercraft Esp
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MFR Ref #	MFR Name - Location	Production Rates (Each / Month)			Procurement Leadtime (Months)							
		MSR For 2016	1-8-5 For 2016	MAX For 2016	Initial			Reorder				
					ALT Prior to Oct 1	ALT After Oct 1	Mfg PLT	ALT Prior to Oct 1	ALT After Oct 1	Mfg PLT	Total After Oct 1	
1	TBD 1 - TBD	1	1	1	-	6	9	15	-	6	9	15

Remarks:
Service Life Extension Program (SLEP) modifications are completed at commercial shipyards. The SLEP efforts for each vessel average nine months for completion.

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

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

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

Appropriation / Budget Activity / Budget Sub Activity: 2035A: Other Procurement, Army / BA 03: Other Support Equipment / BSA 55: Rail Float Containerization Equipment	P-1 Line Item Number / Title: ML5355 / Items Less Than \$5.0M (Float/Rail)
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ID Code (A=Service Ready, B=Not Service Ready) :			Program Elements for Code B Items:					Other Related Program Elements:				
Resource Summary	Prior Years	FY 2014	FY 2015	FY 2016 Base	FY 2016 OCO	FY 2016 Total	FY 2017	FY 2018	FY 2019	FY 2020	To Complete	Total
Procurement Quantity (Units in Each)	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Cost (\$ in Millions)	79.811	8.437	2.166	5.835	-	5.835	5.812	6.217	6.263	6.302	Continuing	Continuing
Less PY Advance Procurement (\$ in Millions)	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P1) (\$ in Millions)	79.811	8.437	2.166	5.835	-	5.835	5.812	6.217	6.263	6.302	Continuing	Continuing
Plus CY Advance Procurement (\$ in Millions)	-	-	-	-	-	-	-	-	-	-	-	-
Total Obligation Authority (\$ in Millions)	79.811	8.437	2.166	5.835	-	5.835	5.812	6.217	6.263	6.302	Continuing	Continuing
<i>(The following Resource Summary rows are for informational purposes only. The corresponding budget requests are documented elsewhere.)</i>												
Initial Spares (\$ in Millions)	-	-	-	-	-	-	-	-	-	-	-	-
Flyaway Unit Cost (\$ in Thousands)	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Unit Cost (\$ in Thousands)	-	-	-	-	-	-	-	-	-	-	-	-

Description:

This budget line funds two separate programs. The portion allocated toward the Float program, funds hardware and material in support of Army Watercraft Systems (AWS). The principle capabilities of AWS are 1) movement/maneuver and distribution of combat equipment and sustainment material; 2) access to degraded and/or austere ports; 3) seaport operations, to include docking/undocking, firefighting, towing and rescue; 4) ship to shore access to "no port" areas such as austere and remote, bare beaches; and 5) heavy lift in support of damaged seaport and/or vessel repair and salvage.

Army Watercraft Systems are categorized under Landing Craft, Towing and Terminal Operations, Ship-to-Shore Enablers and Watercraft Operations Support. Landing Craft consist of 8 Logistic Support Vessels (LSV), 34 Landing Craft Utility (LCU-2000), and 30 Landing Craft Mechanized (LCM-8) MOD 1. Towing and Terminal Operations consist of 6 Large Tugs (LT 800), 16 Small Tugs (ST 900), and 4 Barge Derrick Cranes (BD-115). Ship-to-Shore Enablers consist of 3 Modular Causeway Systems (MCS) [each MCS includes 2 Roll-On/Roll-Off Discharge Facilities (RRDF), 5 Modular Warping Tugs (MWT), 1 Causeway Ferry (CF), 1 Floating Causeway (FC)]. Landing Craft discharge combat equipment or troops to austere beaches, undeveloped coastlines and operate in a non-permissive environment. Towing and Terminal Operations and Ship-to-Shore Enablers support ocean and port/harbor towing/salvage operations. Both are critical in denied/degraded ports, Joint Logistics Over-the-Shore (JLOTS) operations, and operations throughout the littorals. Watercraft Operations Support includes 6 LCM-8 MOD 2.

First fielded in 1988, the Logistics Support Vessel (LSV) is globally self deployable, and provides worldwide and intra-theater movement and line haul of large quantities of combat vehicles, equipment, and sustainment cargo, to include containerized, break-bulk, and Roll-on Roll-off (RO/RO) cargo, to improved and/or degraded ports, bare and austere beaches, and inland water terminals. With 10,500 square feet of cargo space and a payload capacity of 2,000 tons, the LSV can carry 24 combat loaded M1A1 Main Battle Tanks or the equivalent. The vessel supports JLOTS, seaport opening and coastal/inland waterway distribution, anti-access theater opening, and can deliver combat-configured elements or sustainment cargo during all phases of the campaign.

First fielded in 1990, the Landing Craft Utility (LCU-2000) provides intra-theater movement of combat vehicles, equipment, and sustainment cargo, to include containerized, break-bulk, and RO/RO cargo to improved and/or degraded ports, bare and austere beaches, and inland water terminals. The vessel is ideally suited for the discharge and back load of sea lift, the shallow draft, bow ramp, and associated systems providing capability for beaching and beach extraction. The vessel supports JLOTS, seaport opening and coastal/inland waterway distribution, anti-access theater opening, and can deliver combat-configured elements or sustainment during all phases of the campaign.

First fielded in 1967, the Landing Craft Mechanized (LCM-8) transports combat equipped personnel and equipment, and sustainment cargo, from ship to shore and/or within coastal areas including inland waterways. The vessel is also capable of providing medical evacuations, command and control (C2) afloat and light harbor salvage support. The size of the vessel facilitates operation within restricted areas, access to shallow areas to include bare beaches, and extensively throughout inland waterways.

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Exhibit P-40, Budget Line Item Justification: PB 2016 Army		Date: February 2015
Appropriation / Budget Activity / Budget Sub Activity: 2035A: Other Procurement, Army / BA 03: Other Support Equipment / BSA 55: Rail Float Containerization Equipment		P-1 Line Item Number / Title: ML5355 / Items Less Than \$5.0M (Float/Rail)
ID Code (A=Service Ready, B=Not Service Ready) :	Program Elements for Code B Items:	Other Related Program Elements:
<p>First fielded in 1994, the Large Tug 800 (LT 800) performs transoceanic and coastal towing operations, docking and undocking of large ships, salvage and recovery operations for disabled or damaged watercraft at sea and along the coastal main supply routes, clearance of degraded, damaged, and denied access waterways and port facilities, and provides both ship to ship and ship to shore firefighting capability to include in support of ammunition upload/download operations.</p> <p>First fielded in 1998, the Small Tug 900 (ST 900) provides movement of cargo barges and lighterage of various types within a harbor, port, or Logistics Over the Shore (LOTS) or Joint LOTS (JLOTS) operations. It also assists larger tugs with utility work such as docking/undocking of ships of all sizes, movement of floating cranes, and line-handling duties.</p> <p>First fielded in 1999, the Barge Derrick, 115 ton (BD-115) provides heavy lift to load and discharge cargo that exceeds the lift capacity of ship's gear in theater-wide missions/operations. The BD-115 is capable of lifting the M1A1 main battle tank from the centerline of a non-self sustaining ship, and is world-wide deployable via the LT-800. The BD-115 also provides heavy clearance and salvage capabilities within degraded, damaged, and denied access waterways and port facilities.</p> <p>First fielded in 1996, the Modular Causeway System (MCS) provides floating platforms for the loading, discharge, and transport of combat vehicles, equipment, and sustainment cargo to and from improved or austere ports, inland water terminals, and during bare beach operations. A modular and highly transportable system, the MCS consists of both powered and non-powered systems to include the Roll-on Roll-off Discharge Facility (RRDF), Causeway Ferry (CF), Floating Causeway (FC), and Warring Tug (WT), and serves as a key enabler for both LOTS and JLOTS operations.</p> <p>Rescue Boats with outboard engines to meet Safety-of-Life at Sea (SOLAS) requirements for the Watercraft LSV, LCU, LT ad MCS fleet, including cranes, cradles, and davit assemblies (support assemblies).</p> <p>Railroad equipment consists of locomotives, rolling stock, railway passenger cars, track maintenance equipment, etc., used to support Army ammunition plants, Army Materiel Command (AMC) depots, Installation Management Command (IMCOM), Forces Command (FORSCOM) and Training and Doctrine Command (TRADOC) installations in peacetime, training and mobilization missions. This Railway Equipment is procured for the replacement of logistically unsupportable assets where current items are in some cases already unserviceable and in other cases, either unsafe or not cleared for use under the Federal Railroad Administration (FRA).</p> <p>Locomotive procurement consists of commercial off-the-shelf GENSET switcher locomotives in direct support of the Army Rail Modernization Program. The program mandates systematic replacement of an aging fleet, that for the respective installations are becoming increasingly more costly to maintain. The GENSET Locomotives are industry proven, state of the art technology that will position the Army to meet current EPA air quality restrictions, and future fuel economy mandates.</p>		

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

Appropriation / Budget Activity / Budget Sub Activity:
 2035A: Other Procurement, Army / BA 03: Other Support Equipment / BSA 55: Rail
 Float Containerization Equipment

P-1 Line Item Number / Title:
 ML5355 / Items Less Than \$5.0M (Float/Rail)

ID Code (A=Service Ready, B=Not Service Ready) :			Program Elements for Code B Items:			Other Related Program Elements:		
Exhibits Schedule			Prior Years	FY 2014	FY 2015	FY 2016 Base	FY 2016 OCO	FY 2016 Total
Title*	Exhibits	ID CD	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)
ML5355 / Items Less Than \$5.0M (Float/Rail)	P-5, P-5a, P-21		- / 79.811	- / 8.437	- / 2.166	- / 5.835	- / -	- / 5.835
Total Gross/Weapon System Cost			- / 79.811	- / 8.437	- / 2.166	- / 5.835	- / -	- / 5.835

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

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

Justification:
 FY 2016 Base procurement dollars in the amount of \$3.902 million provides support for the Army Rail Program which consists of locomotives, railway freight and passenger cars and support equipment. These funds provide for the replacement of logistically unsupportable assets where current items are in some cases already unserviceable and in other cases, either unsafe or not cleared for use under the Federal Railroad Administration (FRA).

Locomotive procurement consists of commercial off-the-shelf GENSET switcher locomotives in direct support of the Army Rail Modernization Program. The program mandates systematic replacement of an aging fleet, that for the respective installations are becoming increasingly more costly to maintain. The GENSET Locomotives are industry proven, state of the art technology that will position the Army to meet current EPA air quality restrictions, and future fuel economy mandates.

FY 2016 Base procurement dollars in the amount of \$1.933 million supports Army Watercraft Systems in regards to new rescue boat cranes, cradles, and davit assemblies (support assemblies), Program Support, and funds necessary for modifications and logistically unsupportable assets where current items are in some cases already unserviceable.

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Exhibit P-5, Cost Analysis: PB 2016 Army		Date: February 2015
Appropriation / Budget Activity / Budget Sub Activity: 2035A / 03 / 55		P-1 Line Item Number / Title: ML5355 / Items Less Than \$5.0M (Float/Rail)
		Item Number / Title [DODIC]: ML5355 / Items Less Than \$5.0M (Float/Rail)

ID Code (A=Service Ready, B=Not Service Ready) :	MDAP/MAIS Code:
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Resource Summary	Prior Years	FY 2014	FY 2015	FY 2016 Base	FY 2016 OCO	FY 2016 Total
Procurement Quantity (Units in Each)	-	-	-	-	-	-
Gross/Weapon System Cost (\$ in Millions)	79.811	8.437	2.166	5.835	-	5.835
Less PY Advance Procurement (\$ in Millions)	-	-	-	-	-	-
Net Procurement (P1) (\$ in Millions)	79.811	8.437	2.166	5.835	-	5.835
Plus CY Advance Procurement (\$ in Millions)	-	-	-	-	-	-
Total Obligation Authority (\$ in Millions)	79.811	8.437	2.166	5.835	-	5.835

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

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

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

Cost Elements	Prior Years			FY 2014			FY 2015			FY 2016 Base			FY 2016 OCO			FY 2016 Total		
	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)
Flyaway Cost																		
Recurring Cost																		
1. RAIL (DOT VOLPE PROCUREMENT)	-	-	0.300	-	-	0.225	-	-	-	-	-	0.100	-	-	-	-	-	0.100
2. RAIL (PROGRAM MANAGEMENT)	-	-	0.175	-	-	0.100	-	-	-	-	-	0.100	-	-	-	-	-	0.100
3. LOCOMOTIVES ^(†)	-	-	77.107	1,940.667	3	5.822	-	-	-	1,851.000	2	3.702	-	-	-	1,851.000	2	3.702
4. RAILWAY SAFETY EQUIPMENT	-	-	0.100	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
5. WATERCRAFT (PROGRAM SUPPORT)	-	-	1.000	-	-	0.306	-	-	0.338	-	-	0.370	-	-	-	-	-	0.370
6. WATERCRAFT SUP. EQUIP (RESCUE BOATS) ^(†)	-	-	1.129	77.231	13	1.004	-	-	-	-	-	-	-	-	-	-	-	-
7. RESCUE BOAT ASSEMBLIES ^(†)	-	-	-	43.200	5	0.216	16.000	32	0.512	32.750	12	0.393	-	-	-	32.750	12	0.393
8. RESCUE BOAT DELIVERY	-	-	-	-	-	0.360	-	-	-	-	-	-	-	-	-	-	-	-
9. FLEET HANDHELD RADIO STANDARDIZATION ^(†)	-	-	-	-	-	-	0.400	922	0.369	-	-	-	-	-	-	-	-	-

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Exhibit P-5, Cost Analysis: PB 2016 Army		Date: February 2015
Appropriation / Budget Activity / Budget Sub Activity: 2035A / 03 / 55		P-1 Line Item Number / Title: ML5355 / Items Less Than \$5.0M (Float/Rail)
ID Code (A=Service Ready, B=Not Service Ready) :		MDAP/MAIS Code:

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

Cost Elements	Prior Years			FY 2014			FY 2015			FY 2016 Base			FY 2016 OCO			FY 2016 Total		
	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)
10. REPLACEMENT OF LOGISTIC ASSETS	-	-	-	-	-	0.404	-	-	0.947	-	-	1.170	-	-	-	-	-	1.170
<i>Subtotal: Recurring Cost</i>	-	-	79.811	-	-	8.437	-	-	2.166	-	-	5.835	-	-	-	-	-	5.835
<i>Subtotal: Flyaway Cost</i>	-	-	79.811	-	-	8.437	-	-	2.166	-	-	5.835	-	-	-	-	-	5.835
Gross/Weapon System Cost	-	-	79.811	-	-	8.437	-	-	2.166	-	-	5.835	-	-	-	-	-	5.835

(†) indicates the presence of a P-5a

UNCLASSIFIED

Exhibit P-5a, Procurement History and Planning: PB 2016 Army							Date: February 2015					
Appropriation / Budget Activity / Budget Sub Activity: 2035A / 03 / 55			P-1 Line Item Number / Title: ML5355 / Items Less Than \$5.0M (Float/Rail)				Item Number / Title [DODIC]: ML5355 / Items Less Than \$5.0M (Float/Rail)					

Cost Elements	O C O	FY	Contractor and Location	Method/Type or Funding Vehicle	Location of PCO	Award Date	Date of First Delivery	Qty <i>(Each)</i>	Unit Cost <i>(\$ K)</i>	Specs Avail Now?	Date Revision Available	RFP Issue Date
3. LOCOMOTIVES ^(†)		2014	National Railway Equipment / Mount Vernon, IL	C / FFP	Volpe, Cambridge, MA	Oct 2014	Aug 2015	3	1,940.667	N		Aug 2014
3. LOCOMOTIVES ^(†)		2016	TBS / TBD	MIPR	Volpe, Cambridge, MA	Sep 2016	Aug 2017	2	1,851.000	N		
6. WATERCRAFT SUP. EQUIP (RESCUE BOATS) ^(†)		2014	Willard Marine, Inc. / Anaheim, CA	C / FFP	Willard Marine, OR	Nov 2014	Nov 2014	13	77.231	N		
7. RESCUE BOAT ASSEMBLIES ^(†)		2014	QED Systems, Inc. / Virginia Beach, VA	C / FFP	NSWCCD, Philadelphia, PA	Sep 2014	Mar 2015	5	43.200	N		
7. RESCUE BOAT ASSEMBLIES ^(†)		2015	TBD / TBD	C / FFP	NSWCCD, Philadelphia, PA	Jun 2015	Sep 2015	32	16.000	N		
7. RESCUE BOAT ASSEMBLIES ^(†)		2016	TBD / TBD	C / FFP	NSWCCD, Philadelphia, PA	Jun 2016	Oct 2016	12	32.750	N		
9. FLEET HANDHELD RADIO STANDARDIZATION ^(†)		2015	TBD / TBD	C / FFP	TACOM ACC, Warren, MI	Jun 2015	Oct 2015	922	0.400	N		

^(†) indicates the presence of a P-21

Remarks:

The full Safety of Life at Sea (SOLAS) rescue boat requirement is for 56 rescue boats. 34 rescue boats for LCU-2000s, 8 rescue boats for LSVs, 6 rescue boats for LT 800s, 6 rescue boats for RRDFs, and 1 for the schoolhouse located at Fort Eustis. The final rescue boat procurement was off the GSA schedule in 3rd Quarter FY 2014.

FY 2016 Base procurement dollars in the amount of \$1.933 million supports Army Watercraft Systems in regards to new rescue boat cranes, cradles, and davit assemblies (support assemblies), Program Support, and funds necessary for modifications and logistically unsupportable assets where current items are in some cases already unserviceable.

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Exhibit P-21, Production Schedule: PB 2016 Army		Date: February 2015
Appropriation / Budget Activity / Budget Sub Activity: 2035A / 03 / 55		P-1 Line Item Number / Title: ML5355 / Items Less Than \$5.0M (Float/Rail)
		Item Number / Title [DODIC]: ML5355 / Items Less Than \$5.0M (Float/Rail)

MFR Ref #	MFR Name - Location	Production Rates (Each / Month)			Procurement Leadtime (Months)							
		MSR For 2016	1-8-5 For 2016	MAX For 2016	Initial			Reorder				
					ALT Prior to Oct 1	ALT After Oct 1	Mfg PLT	Total After Oct 1	ALT Prior to Oct 1	ALT After Oct 1	Mfg PLT	Total After Oct 1
1	National Railway Equipment - Mount Vernon, IL	1	2	5	-	13	11	24	-	12	11	23
2	TBS - TBD	1	2	5	-	10	11	21	-	-	-	-
3	Willard Marine, Inc. - Anaheim, CA	1	2	5	-	5	-	5	-	-	-	-
4	QED Systems, Inc. - Virginia Beach, VA	1	2	5	-	3	6	9	-	-	-	-
5	TBD - TBD	1	2	5	-	4	4	8	-	-	-	-
6	TBD - TBD	1	2	5	-	4	4	8	-	-	-	-

Remarks:
Production rates shown are monthly.

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

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

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

Appropriation / Budget Activity / Budget Sub Activity: 2035A: Other Procurement, Army / BA 03: Other Support Equipment / BSA 60: Generators	P-1 Line Item Number / Title: MA9800 / Generators And Associated Equip
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ID Code (A=Service Ready, B=Not Service Ready) : A	Program Elements for Code B Items:						Other Related Program Elements:					
Resource Summary	Prior Years	FY 2014	FY 2015	FY 2016 Base	FY 2016 OCO	FY 2016 Total	FY 2017	FY 2018	FY 2019	FY 2020	To Complete	Total
Procurement Quantity (Units in Each)	1,202	235	4,101	6,496	-	6,496	3,961	5,315	5,333	5,207	Continuing	Continuing
Gross/Weapon System Cost (\$ in Millions)	1,903.082	40.129	115.190	166.356	-	166.356	136.610	139.196	146.266	135.813	Continuing	Continuing
Less PY Advance Procurement (\$ in Millions)	4.200	-	-	-	-	-	-	-	-	-	-	4.200
Net Procurement (P1) (\$ in Millions)	1,898.882	40.129	115.190	166.356	-	166.356	136.610	139.196	146.266	135.813	Continuing	Continuing
Plus CY Advance Procurement (\$ in Millions)	4.200	-	-	-	-	-	-	-	-	-	-	4.200
Total Obligation Authority (\$ in Millions)	1,903.082	40.129	115.190	166.356	-	166.356	136.610	139.196	146.266	135.813	Continuing	Continuing
<i>(The following Resource Summary rows are for informational purposes only. The corresponding budget requests are documented elsewhere.)</i>												
Initial Spares (\$ in Millions)	-	-	-	-	-	-	-	-	-	-	-	-
Flyaway Unit Cost (\$ in Thousands)	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Unit Cost (\$ in Thousands)	1,583.263	170.762	28.088	25.609	-	25.609	34.489	26.189	27.427	26.083	Continuing	Continuing

Description:

The Tactical Electric Power Program (TEP) program replaces and modernizes the DOD generator inventory to meet the Army's requirements. The TEP program is structured around Small (2-3kW), Medium (5-60kW), Large (>100kW) stand-alone generators, multiple configurations of Power Units/Power Plants (PU/PP) and associated distribution equipment (Power Distribution Illumination System Electrical (PDISE). These programs collectively provide a new, modern family of generators and distribution systems satisfying critical user requirements and will:

1. Reduce Acquisition Costs and Operating and Sustainment (O&S) costs by 15-20%.
2. Reduce weight by 25% across generator population, thereby reducing the Logistics footprint and improving deployability.
3. Significantly improve Reliability, Availability and Maintainability, to include Mean Time Between Failure improvements of 100-300%.
4. Eliminate gasoline from the generator inventory, thus complying with DOD guidance regarding single fuel on the battlefield (diesel/JP8).
5. Reduce battlefield detectability by lowering noise levels by 50-75% across generator population.
6. Improve battlefield survivability by providing mission critical electric power to the digitized warfighting forces.

Secondary Distribution		FY 2014	FY 2015	FY 2016 Base	FY 2016 OCO	FY 2016 Total	FY 2017	FY 2018	FY 2019	FY 2020
Army	Quantity	235	1,763	3,309	-	3,309	2,083	2,881	2,885	2,843
	Total Obligation Authority	40.129	45.616	81.641	-	81.641	72.937	76.214	79.673	74.162
ANG	Quantity	-	2,077	2,163	-	2,163	1,142	1,476	1,873	1,543
	Total Obligation Authority	-	67.062	57.372	-	57.372	36.714	35.364	42.975	40.236
AR	Quantity	-	261	1,024	-	1,024	736	958	575	821
	Total Obligation Authority	-	2.512	27.343	-	27.343	26.959	27.618	23.618	21.415
Total:	Quantity	235	4,101	6,496	-	6,496	3,961	5,315	5,333	5,207

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

Appropriation / Budget Activity / Budget Sub Activity: 2035A: Other Procurement, Army / BA 03: Other Support Equipment / BSA 60: Generators	P-1 Line Item Number / Title: MA9800 / Generators And Associated Equip
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ID Code (A=Service Ready, B=Not Service Ready) : A		Program Elements for Code B Items:				Other Related Program Elements:				
Secondary Distribution		FY 2014	FY 2015	FY 2016 Base	FY 2016 OCO	FY 2016 Total	FY 2017	FY 2018	FY 2019	FY 2020
Secondary Distribution	Total Obligation Authority	40.129	115.190	166.356	-	166.356	136.610	139.196	146.266	135.813

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

Appropriation / Budget Activity / Budget Sub Activity: 2035A: Other Procurement, Army / BA 03: Other Support Equipment / BSA 60: Generators	P-1 Line Item Number / Title: MA9800 / Generators And Associated Equip
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ID Code (A=Service Ready, B=Not Service Ready) : A			Program Elements for Code B Items:			Other Related Program Elements:		
Exhibits Schedule			Prior Years	FY 2014	FY 2015	FY 2016 Base	FY 2016 OCO	FY 2016 Total
Title*	Exhibits	ID CD	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)
M53500 / MEDIUM SETS (5-60 KW)	P-5, P-5a, P-21		273 / 878.231	- / 18.553	1,423 / 47.631	- / 2.224	- / -	- / 2.224
M59400 / SMALL SETS (2-3 KW)	P-40a		- / 344.346	- / 0.335	- / 3.408	- / -	- / -	- / -
MA8800 / ITEMS LESS THAN \$5.0M (GEN EQUIP)	P-40a		- / 58.774	- / 0.839	- / -	- / -	- / -	- / -
R45400 / P-DISE 40-200 AMP	P-5, P-5a, P-21		697 / 61.846	20 / 0.143	1,629 / 16.058	3,100 / 18.852	- / -	3,100 / 18.852
R51050 / Advanced Medium Mobile Power Systems (AMMPS)	P-5, P-5a, P-21		- / -	- / -	- / -	1,998 / 60.111	- / -	1,998 / 60.111
R59210 / Power Units/Mounted (AMMPS)	P-5, P-5a, P-21		- / -	- / -	- / -	1,102 / 53.509	- / -	1,102 / 53.509
R61510 / Large Advanced Mobile Power	P-5, P-5a, P-21		- / -	- / -	- / -	296 / 25.380	- / -	296 / 25.380
R62700 / POWER UNITS/POWER PLANTS	P-5, P-5a, P-21		232 / 454.903	215 / 20.259	1,049 / 48.093	- / -	- / -	- / -
R63510 / Small Tactical Electric Power	P-5		- / -	- / -	- / -	- / 6.280	- / -	- / 6.280
Total Gross/Weapon System Cost			1,202 / 1,903.082	235 / 40.129	4,101 / 115.190	6,496 / 166.356	- / -	6,496 / 166.356

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

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

Justification:
 FY16 Base procurement dollars in the amount of \$166.356 million supports small and medium generator sets, assembly of power units and power plants, and PDISE (Power Distribution Illumination System Electrical). The program provides for the partial replacement of the current inventory of over aged, gasoline-fueled generators with modernized single fuel (diesel/JP8) assets that will enhance the user's safety, survivability, reduce the logistics footprint and enhance reliability and maintainability. These mobile generators provide electric power to virtually every weapon, communication, medical and combat support system in the inventory including Missile/Air Defense Systems; Tactical Operations Centers; Command, Control, Communications, Computers, Intelligence, Surveillance, and Reconnaissance systems; and Brigade Combat Teams (BCTs). Funding supports a balanced investment strategy for the Army's approved force structure and Army Force Generation (ARFORGEN) requirements.

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.

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

Appropriation / Budget Activity / Budget Sub Activity: 2035A / 03 / 60	P-1 Line Item Number / Title: MA9800 / Generators And Associated Equip	Item Number / Title [DODIC]: M53500 / MEDIUM SETS (5-60 KW)
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ID Code (A=Service Ready, B=Not Service Ready) :	MDAP/MAIS Code:
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Resource Summary	Prior Years	FY 2014	FY 2015	FY 2016 Base	FY 2016 OCO	FY 2016 Total
Procurement Quantity (Units in Each)	273	-	1,423	-	-	-
Gross/Weapon System Cost (\$ in Millions)	878.231	18.553	47.631	2.224	-	2.224
Less PY Advance Procurement (\$ in Millions)	4.200	-	-	-	-	-
Net Procurement (P1) (\$ in Millions)	874.031	18.553	47.631	2.224	-	2.224
Plus CY Advance Procurement (\$ in Millions)	4.200	-	-	-	-	-
Total Obligation Authority (\$ in Millions)	878.231	18.553	47.631	2.224	-	2.224

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

Initial Spares (\$ in Millions)	-	-	-	-	-	-
Gross/Weapon System Unit Cost (\$ in Thousands)	3,216.963	-	33.472	-	-	-

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

Cost Elements	Prior Years			FY 2014			FY 2015			FY 2016 Base			FY 2016 OCO			FY 2016 Total		
	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)
Flyaway Cost																		
Recurring Cost																		
1. Engineering Support	-	-	114.354	-	-	5.284	-	-	3.342	-	-	1.058	-	-	-	-	-	1.058
2. Engineering Change Orders	-	-	32.158	-	-	-	-	-	0.090	-	-	-	-	-	-	-	-	-
3. Testing	-	-	74.891	-	-	-	-	-	1.010	-	-	-	-	-	-	-	-	-
4. System Fielding Support	-	-	4.522	-	-	3.343	-	-	2.528	-	-	-	-	-	-	-	-	-
5. System Assessment	-	-	4.601	-	-	0.671	-	-	0.237	-	-	-	-	-	-	-	-	-
6. Logistics Support	-	-	21.430	-	-	2.963	-	-	2.559	-	-	-	-	-	-	-	-	-
7. Data	-	-	10.200	-	-	-	-	-	0.183	-	-	-	-	-	-	-	-	-
8. PM Management Support	-	-	605.610	-	-	6.292	-	-	3.969	-	-	1.166	-	-	-	-	-	1.166
5kW/60Hz (MEP1030) ^(†)	19.057	50	0.953	-	-	-	21.453	629	13.494	-	-	-	-	-	-	-	-	-
10kW/60Hz (MEP1040) ^(†)	21.032	150	3.155	-	-	-	23.714	378	8.964	-	-	-	-	-	-	-	-	-
10kW/400Hz (MEP1041) ^(†)	-	-	-	-	-	-	25.317	63	1.595	-	-	-	-	-	-	-	-	-
15kW/60Hz (MEP1050) ^(†)	-	-	-	-	-	-	24.517	110	2.697	-	-	-	-	-	-	-	-	-
15kW/400Hz (MEP1051) ^(†)	-	-	-	-	-	-	26.084	69	1.800	-	-	-	-	-	-	-	-	-

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Exhibit P-5, Cost Analysis: PB 2016 Army												Date: February 2015					
Appropriation / Budget Activity / Budget Sub Activity: 2035A / 03 / 60						P-1 Line Item Number / Title: MA9800 / Generators And Associated Equip						Item Number / Title [DODIC]: M53500 / MEDIUM SETS (5-60 KW)					
ID Code (A=Service Ready, B=Not Service Ready) :												MDAP/MAIS Code:					

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

Cost Elements	Prior Years			FY 2014			FY 2015			FY 2016 Base			FY 2016 OCO			FY 2016 Total		
	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)
30kW/60Hz (MEP1060) ^(†)	25.431	250	6.358	-	-	-	28.672	95	2.724	-	-	-	-	-	-	-	-	-
60kW/60Hz (MEP1070) ^(†)	-	-	-	-	-	-	30.888	79	2.440	-	-	-	-	-	-	-	-	-
<i>Subtotal: Recurring Cost</i>	-	-	878.231	-	-	18.553	-	-	47.631	-	-	2.224	-	-	-	-	-	2.224
<i>Subtotal: Flyaway Cost</i>	-	-	878.231	-	-	18.553	-	-	47.631	-	-	2.224	-	-	-	-	-	2.224
Gross/Weapon System Cost	3,216.963	273	878.231	-	-	18.553	33.472	1,423	47.631	-	-	2.224	-	-	-	-	-	2.224

Secondary Distribution		FY 2014	FY 2015	FY 2016 Base	FY 2016 OCO	FY 2016 Total
Army	Quantity	-	498	-	-	-
	Total Obligation Authority	18.553	16.671	2.224	-	2.224
ANG	Quantity	-	925	-	-	-
	Total Obligation Authority	-	30.960	-	-	-
Total: Secondary Distribution	Quantity	-	1,423	-	-	-
	Total Obligation Authority	18.553	47.631	2.224	-	2.224

(†) indicates the presence of a P-5a

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

Appropriation / Budget Activity / Budget Sub Activity: 2035A / 03 / 60	P-1 Line Item Number / Title: MA9800 / Generators And Associated Equip	Item Number / Title [DODIC]: M53500 / MEDIUM SETS (5-60 KW)
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Cost Elements	O C O	FY	Contractor and Location	Method/Type or Funding Vehicle	Location of PCO	Award Date	Date of First Delivery	Qty <i>(Each)</i>	Unit Cost <i>(\$ K)</i>	Specs Avail Now?	Date Revision Available	RFP Issue Date
5kW/60Hz (MEP1030) ^(†)		2015	TBD / TBD	C / FP	CECOM	Mar 2015	Aug 2015	629	21.453	N		
10kW/60Hz (MEP1040) ^(†)		2015	TBD / TBD	C / FP	CECOM	Mar 2015	Aug 2015	378	23.714	N		
10kW/400Hz (MEP1041) ^(†)		2015	TBD / TBD	C / FP	CECOM	Mar 2015	Aug 2015	63	25.317	N		
15kW/60Hz (MEP1050) ^(†)		2015	TBD / TBD	C / FP	CECOM	Mar 2015	Aug 2015	110	24.517	N		
15kW/400Hz (MEP1051) ^(†)		2015	TBD / TBD	C / FP	CECOM	Mar 2015	Aug 2015	69	26.084	N		
30kW/60Hz (MEP1060) ^(†)		2015	TBD / TBD	C / FP	CECOM	Mar 2015	Aug 2015	95	28.672	N		
60kW/60Hz (MEP1070) ^(†)		2015	TBD / TBD	C / FP	CECOM	Mar 2015	Aug 2015	79	30.888	N		

^(†) indicates the presence of a P-21

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

Appropriation / Budget Activity / Budget Sub Activity: 2035A / 03 / 60	P-1 Line Item Number / Title: MA9800 / Generators And Associated Equip	Item Number / Title [DODIC]: M53500 / MEDIUM SETS (5-60 KW)
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Cost Elements <i>(Units in Each)</i>						Fiscal Year 2015												Fiscal Year 2016													
O C C O	M F R #	FY	SERVICE	PROC QTY	ACCEPT PRIOR TO 1 OCT 2014	BAL DUE AS OF 1 OCT	Calendar Year 2015												Calendar Year 2016												B A L
							O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	
5kW/60Hz (MEP1030)																															
Prior Years Deliveries: 50																															
	1	2015	ARMY	629	-	629																									
10kW/60Hz (MEP1040)																															
Prior Years Deliveries: 150																															
	2	2015	ARMY	378	-	378																									
10kW/400Hz (MEP1041)																															
	3	2015	ARMY	63	-	63																									
15kW/60Hz (MEP1050)																															
	4	2015	ARMY	110	-	110																									
15kW/400Hz (MEP1051)																															
	5	2015	ARMY	69	-	69																									
30kW/60Hz (MEP1060)																															
Prior Years Deliveries: 250																															
	6	2015	ARMY	95	-	95																									
60kW/60Hz (MEP1070)																															
	7	2015	ARMY	79	-	79																									
							O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	B A L

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Exhibit P-21, Production Schedule: PB 2016 Army	Date: February 2015
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Appropriation / Budget Activity / Budget Sub Activity: 2035A / 03 / 60	P-1 Line Item Number / Title: MA9800 / Generators And Associated Equip	Item Number / Title [DODIC]: M53500 / MEDIUM SETS (5-60 KW)
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MFR Ref #	MFR Name - Location	Production Rates (Each / Month)			Procurement Leadtime (Months)							
		MSR For 2016	1-8-5 For 2016	MAX For 2016	Initial				Reorder			
					ALT Prior to Oct 1	ALT After Oct 1	Mfg PLT	Total After Oct 1	ALT Prior to Oct 1	ALT After Oct 1	Mfg PLT	Total After Oct 1
1	TBD - TBD	1,500	3,000	4,800	6	4	5	9	6	4	5	9
2	TBD - TBD	1,500	3,000	4,800	6	4	5	9	6	4	5	9
3	TBD - TBD	1,500	3,000	4,800	6	4	5	9	6	4	5	9
4	TBD - TBD	1,500	3,000	4,800	6	4	5	9	6	4	5	9
5	TBD - TBD	1,500	3,000	4,800	6	4	5	9	6	4	5	9
6	TBD - TBD	1,500	3,000	4,800	6	4	5	9	6	4	5	9
7	TBD - TBD	1,500	3,000	4,800	6	4	5	9	6	4	5	9

Remarks:

All production rates shown on a yearly basisManufacturer has multiple products that contribute to the minimum production rate.

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

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

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Exhibit P-40a, Budget Item Justification For Aggregated Items: PB 2016 Army															Date: February 2015				
Appropriation / Budget Activity / Budget Sub Activity: 2035A / 03 / 60						P-1 Line Item Number / Title: MA9800 / Generators And Associated Equip									Aggregated Items Title: Various				

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

Item Number / Title [DODIC]	ID CD	MDAP/MAIS Code	Prior Years			FY 2014			FY 2015			FY 2016 Base			FY 2016 OCO			FY 2016 Total		
			Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)
SMALL SETS (2-3 KW)																				
M59400 / SMALL SETS (2-3 KW)			-	-	344.346	-	-	0.335	-	-	3.408	-	-	-	-	-	-	-	-	-
<i>Secondary Distribution</i>																				
Army				-	-	-	-	0.335		-	3.408		-	-		-	-		-	-
MA8800 / ITEMS LESS THAN \$5.0M (GEN EQUIP)			-	-	58.774	-	-	0.839	-	-	-	-	-	-	-	-	-	-	-	-
<i>Secondary Distribution</i>																				
Army				-	-	-	-	0.839		-	-		-	-		-	-		-	-
<i>Subtotal: SMALL SETS (2-3 KW)</i>			-	-	403.120	-	-	1.174	-	-	3.408	-	-	-	-	-	-	-	-	-
Total			-	-	403.120	-	-	1.174	-	-	3.408	-	-	-	-	-	-	-	-	-

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Exhibit P-5, Cost Analysis: PB 2016 Army		Date: February 2015
Appropriation / Budget Activity / Budget Sub Activity: 2035A / 03 / 60	P-1 Line Item Number / Title: MA9800 / Generators And Associated Equip	Item Number / Title [DODIC]: R45400 / P-DISE 40-200 AMP

ID Code (A=Service Ready, B=Not Service Ready) :				MDAP/MAIS Code:			
Resource Summary		Prior Years	FY 2014	FY 2015	FY 2016 Base	FY 2016 OCO	FY 2016 Total
Procurement Quantity (<i>Units in Each</i>)		697	20	1,629	3,100	-	3,100
Gross/Weapon System Cost (<i>\$ in Millions</i>)		61.846	0.143	16.058	18.852	-	18.852
Less PY Advance Procurement (<i>\$ in Millions</i>)		-	-	-	-	-	-
Net Procurement (P1) (<i>\$ in Millions</i>)		61.846	0.143	16.058	18.852	-	18.852
Plus CY Advance Procurement (<i>\$ in Millions</i>)		-	-	-	-	-	-
Total Obligation Authority (<i>\$ in Millions</i>)		61.846	0.143	16.058	18.852	-	18.852
<i>(The following Resource Summary rows are for informational purposes only. The corresponding budget requests are documented elsewhere.)</i>							
Initial Spares (<i>\$ in Millions</i>)		-	-	-	-	-	-
Gross/Weapon System Unit Cost (<i>\$ in Thousands</i>)		88.732	7.150	9.858	6.081	-	6.081

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

Cost Elements	Prior Years			FY 2014			FY 2015			FY 2016 Base			FY 2016 OCO			FY 2016 Total		
	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)
Flyaway Cost																		
Recurring Cost																		
1. Engineering Support	-	-	3.578	-	-	-	-	-	1.214	-	-	0.800	-	-	-	-	-	0.800
2. Engineering Change Orders	-	-	0.600	-	-	-	-	-	0.102	-	-	0.104	-	-	-	-	-	0.104
3. Testing	-	-	0.400	-	-	-	-	-	0.102	-	-	0.104	-	-	-	-	-	0.104
4. System Fielding Support	-	-	0.314	-	-	-	-	-	0.656	-	-	0.554	-	-	-	-	-	0.554
5. System Assessment	-	-	1.080	-	-	-	-	-	0.096	-	-	0.081	-	-	-	-	-	0.081
6. Logistics Support	-	-	4.788	-	-	-	-	-	0.912	-	-	0.729	-	-	-	-	-	0.729
7. Data	-	-	0.353	-	-	-	-	-	0.079	-	-	0.081	-	-	-	-	-	0.081
8. PM Management Support	-	-	15.014	-	-	0.069	-	-	1.212	-	-	1.016	-	-	-	-	-	1.016
M200 (Feeder System) ^(†)	32.544	338	11.000	-	-	-	23.633	60	1.418	11.499	203	2.335	-	-	-	11.499	203	2.335
M100 (Feeder System) ^(†)	9.913	807	8.000	-	-	-	12.140	143	1.736	6.179	382	2.360	-	-	-	6.179	382	2.360
M60 (Distribution System) ^(†)	4.098	1,952	7.999	-	-	-	8.916	300	2.675	5.516	145	0.799	-	-	-	5.516	145	0.799
M 40 (Distribution System) ^(†)	-	-	8.720	-	-	-	8.880	277	2.460	4.480	836	3.744	-	-	-	4.480	836	3.744
M46 (Utility Kit) ^(†)	-	-	-	3.725	20	0.075	4.000	849	3.395	4.005	1,534	6.143	-	-	-	4.005	1,534	6.143
<i>Subtotal: Recurring Cost</i>	-	-	61.846	-	-	0.143	-	-	16.058	-	-	18.852	-	-	-	-	-	18.852

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Exhibit P-5, Cost Analysis: PB 2016 Army												Date: February 2015					
Appropriation / Budget Activity / Budget Sub Activity: 2035A / 03 / 60						P-1 Line Item Number / Title: MA9800 / Generators And Associated Equip						Item Number / Title [DODIC]: R45400 / P-DISE 40-200 AMP					
ID Code (A=Service Ready, B=Not Service Ready) :												MDAP/MAIS Code:					

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

Cost Elements	Prior Years			FY 2014			FY 2015			FY 2016 Base			FY 2016 OCO			FY 2016 Total		
	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)
<i>Subtotal: Flyaway Cost</i>	-	-	61.846	-	-	0.143	-	-	16.058	-	-	18.852	-	-	-	-	-	18.852
Gross/Weapon System Cost	88.732	697	61.846	7.150	20	0.143	9.858	1,629	16.058	6.081	3,100	18.852	-	-	-	6.081	3,100	18.852

Secondary Distribution		FY 2014	FY 2015	FY 2016 Base	FY 2016 OCO	FY 2016 Total
Army	Quantity	20	897	1,720	-	1,720
	Total Obligation Authority	0.143	8.704	10.242	-	10.242
ANG	Quantity	-	471	894	-	894
	Total Obligation Authority	-	4.842	5.713	-	5.713
AR	Quantity	-	261	486	-	486
	Total Obligation Authority	-	2.512	2.897	-	2.897
Total:	Quantity	20	1,629	3,100	-	3,100
Secondary Distribution	Total Obligation Authority	0.143	16.058	18.852	-	18.852

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

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

Appropriation / Budget Activity / Budget Sub Activity: 2035A / 03 / 60	P-1 Line Item Number / Title: MA9800 / Generators And Associated Equip	Item Number / Title [DODIC]: R45400 / P-DISE 40-200 AMP
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Cost Elements	O C O	FY	Contractor and Location	Method/Type or Funding Vehicle	Location of PCO	Award Date	Date of First Delivery	Qty <i>(Each)</i>	Unit Cost <i>(\$ K)</i>	Specs Avail Now?	Date Revision Available	RFP Issue Date
M200 (Feeder System) ^(†)		2015	Fidelity Technologies Corp / Reading	C / FP	ACC-APG, Belvoir	Jan 2015	Jan 2016	60	23.633	N		
M200 (Feeder System) ^(†)		2016	Fidelity Technologies Corp / Reading	C / FP	ACC-APG, Belvoir	Jan 2016	Jan 2017	203	11.499	N		
M100 (Feeder System) ^(†)		2015	Fidelity Technologies Corp / Reading	C / FP	ACC-APG, Belvoir	Jan 2015	Jan 2016	143	12.140	N		
M100 (Feeder System) ^(†)		2016	Fidelity Technologies Corp / Reading	C / FP	ACC-APG, Belvoir	Jan 2016	Jan 2017	382	6.179	N		
M60 (Distribution System) ^(†)		2015	Fidelity Technologies Corp / Reading	C / FP	ACC-APG, Belvoir	Jan 2015	Jan 2016	300	8.916	N		
M60 (Distribution System) ^(†)		2016	Fidelity Technologies Corp / Reading	C / FP	ACC-APG, Belvoir	Jan 2016	Jan 2017	145	5.516	N		
M 40 (Distribution System) ^(†)		2015	Fidelity Technologies Corp / Reading	C / FP	ACC-APG, Belvoir	Jan 2015	Jan 2016	277	8.880	N		
M 40 (Distribution System) ^(†)		2016	Fidelity Technologies Corp / Reading	C / FP	ACC-APG, Belvoir	Jan 2016	Jan 2017	836	4.480	N		
M46 (Utility Kit) ^(†)		2014	Fidelity Technologies Corp / Reading	C / FP	ACC-APG, Belvoir	Jan 2014	Jan 2015	20	3.725	N		
M46 (Utility Kit) ^(†)		2015	Fidelity Technologies Corp / Reading	C / FP	ACC-APG, Belvoir	Jan 2015	Jan 2016	849	4.000	N		
M46 (Utility Kit) ^(†)		2016	Fidelity Technologies Corp / Reading	C / FP	ACC-APG, Belvoir	Jan 2016	Jan 2017	1,534	4.005			

^(†) indicates the presence of a P-21

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

Appropriation / Budget Activity / Budget Sub Activity: 2035A / 03 / 60	P-1 Line Item Number / Title: MA9800 / Generators And Associated Equip	Item Number / Title [DODIC]: R45400 / P-DISE 40-200 AMP
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Cost Elements <i>(Units in Each)</i>				Fiscal Year 2016														Fiscal Year 2017																		
O C C O	M F R #	FY	SERVICE	PROC QTY	ACCEPT PRIOR TO 1 OCT 2015	BAL DUE AS OF 1 OCT	Calendar Year 2016														Calendar Year 2017															
							O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	B A L					
M200 (Feeder System)																																				
Prior Years Deliveries: 338																																				
	1	2015	ARMY	60	-	60	-	-	-	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	-						
	1	2016	ARMY	203	-	203				A -	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	16	17	17	17	17	17	17	17	17	17	51
M100 (Feeder System)																																				
Prior Years Deliveries: 807																																				
	2	2015	ARMY	143	-	143	-	-	-	12	12	12	12	12	12	12	12	12	12	12	12	12	12	11											-	
	2	2016	ARMY	382	-	382				A -	-	-	-	-	-	-	-	-	-	-	-	-	-	32	32	32	32	32	32	32	32	32	32	32	94	
M60 (Distribution System)																																				
Prior Years Deliveries: 1952																																				
	3	2015	ARMY	300	-	300	-	-	-	25	25	25	25	25	25	25	25	25	25	25	25	25	25												-	
	3	2016	ARMY	145	-	145				A -	-	-	-	-	-	-	-	-	-	-	-	-	12	12	12	12	12	12	12	12	12	12	12	12	37	
M 40 (Distribution System)																																				
	4	2015	ARMY	277	-	277	-	-	-	23	23	23	23	23	23	23	23	23	23	23	23	23	24													-
	4	2016	ARMY	836	-	836				A -	-	-	-	-	-	-	-	-	-	-	-	-	70	70	70	70	70	70	70	70	70	70	69	207		
M46 (Utility Kit)																																				
	5	2014	ARMY	20	18	2	2																												-	
	5	2015	ARMY	849	-	849	-	-	-	71	71	71	71	71	71	71	71	71	71	71	71	70	70	70											-	
	5	2016	ARMY	1,534	-	1,534				A -	-	-	-	-	-	-	-	-	-	-	-	-	128	128	128	128	128	128	128	128	128	128	128	382		
										O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	B A L		

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

Appropriation / Budget Activity / Budget Sub Activity: 2035A / 03 / 60	P-1 Line Item Number / Title: MA9800 / Generators And Associated Equip	Item Number / Title [DODIC]: R45400 / P-DISE 40-200 AMP
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MFR Ref #	MFR Name - Location	Production Rates (Each / Month)			Procurement Leadtime (Months)							
		MSR For 2016	1-8-5 For 2016	MAX For 2016	Initial				Reorder			
					ALT Prior to Oct 1	ALT After Oct 1	Mfg PLT	Total After Oct 1	ALT Prior to Oct 1	ALT After Oct 1	Mfg PLT	Total After Oct 1
1	Fidelity Technologies Corp - Reading	5,400	10,500	21,000	6	4	12	16	6	4	12	16
2	Fidelity Technologies Corp - Reading	5,400	10,500	21,000	6	4	12	16	6	4	12	16
3	Fidelity Technologies Corp - Reading	5,400	10,500	21,000	6	4	12	16	6	4	12	16
4	Fidelity Technologies Corp - Reading	5,400	10,500	21,000	6	4	12	16	6	4	12	16
5	Fidelity Technologies Corp - Reading	5,400	10,500	21,000	6	4	12	16	6	4	12	16

Remarks:

All production rates shown on a yearly basis. Manufacturer has multiple products that contribute to the minimum production rate.

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

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

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Exhibit P-5, Cost Analysis: PB 2016 Army						Date: February 2015		
Appropriation / Budget Activity / Budget Sub Activity: 2035A / 03 / 60			P-1 Line Item Number / Title: MA9800 / Generators And Associated Equip			Item Number / Title [DODIC]: R51050 / Advanced Medium Mobile Power Systems (AMMPS)		
ID Code (A=Service Ready, B=Not Service Ready) :						MDAP/MAIS Code:		
Resource Summary			Prior Years	FY 2014	FY 2015	FY 2016 Base	FY 2016 OCO	FY 2016 Total
Procurement Quantity (Units in Each)			-	-	-	1,998	-	1,998
Gross/Weapon System Cost (\$ in Millions)			-	-	-	60.111	-	60.111
Less PY Advance Procurement (\$ in Millions)			-	-	-	-	-	-
Net Procurement (P1) (\$ in Millions)			-	-	-	60.111	-	60.111
Plus CY Advance Procurement (\$ in Millions)			-	-	-	-	-	-
Total Obligation Authority (\$ in Millions)			-	-	-	60.111	-	60.111
<i>(The following Resource Summary rows are for informational purposes only. The corresponding budget requests are documented elsewhere.)</i>								
Initial Spares (\$ in Millions)			-	-	-	-	-	-
Gross/Weapon System Unit Cost (\$ in Thousands)			-	-	-	30.086	-	30.086

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

Cost Elements	Prior Years			FY 2014			FY 2015			FY 2016 Base			FY 2016 OCO			FY 2016 Total		
	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)
Flyaway Cost																		
Recurring Cost																		
1. Engineering Support	-	-	-	-	-	-	-	-	-	-	-	0.753	-	-	-	-	-	0.753
2. Engineering Change Orders	-	-	-	-	-	-	-	-	-	-	-	0.092	-	-	-	-	-	0.092
3. Testing	-	-	-	-	-	-	-	-	-	-	-	8.500	-	-	-	-	-	8.500
4. System Fielding Support	-	-	-	-	-	-	-	-	-	-	-	1.756	-	-	-	-	-	1.756
5. System Assessment	-	-	-	-	-	-	-	-	-	-	-	0.258	-	-	-	-	-	0.258
6. Logistics Support	-	-	-	-	-	-	-	-	-	-	-	1.310	-	-	-	-	-	1.310
7. Data	-	-	-	-	-	-	-	-	-	-	-	0.187	-	-	-	-	-	0.187
8. PM Management Support	-	-	-	-	-	-	-	-	-	-	-	0.895	-	-	-	-	-	0.895
5kW/60Hz (MEP1030) ^(†)	-	-	-	-	-	-	-	-	-	21.495	925	19.884	-	-	-	21.495	925	19.884
10kW/400Hz (MEP1041) ^(†)	-	-	-	-	-	-	-	-	-	25.826	19	0.491	-	-	-	25.826	19	0.491
10kW/60Hz (MEP1040) ^(†)	-	-	-	-	-	-	-	-	-	24.223	927	22.455	-	-	-	24.223	927	22.455
15kW/400Hz (MEP1051) ^(†)	-	-	-	-	-	-	-	-	-	26.593	62	1.649	-	-	-	26.593	62	1.649

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Exhibit P-5, Cost Analysis: PB 2016 Army		Date: February 2015
Appropriation / Budget Activity / Budget Sub Activity: 2035A / 03 / 60	P-1 Line Item Number / Title: MA9800 / Generators And Associated Equip	Item Number / Title [DODIC]: R51050 / Advanced Medium Mobile Power Systems (AMMPS)
ID Code (A=Service Ready, B=Not Service Ready) :		MDAP/MAIS Code:

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

Cost Elements	Prior Years			FY 2014			FY 2015			FY 2016 Base			FY 2016 OCO			FY 2016 Total		
	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)
15kW/60Hz (MEP1050) ^(†)	-	-	-	-	-	-	-	-	-	25.026	38	0.951	-	-	-	25.026	38	0.951
30kW/400Hz (MEP1061) ^(†)	-	-	-	-	-	-	-	-	-	31.735	2	0.063	-	-	-	31.735	2	0.063
60kW/400Hz (MEP1071) ^(†)	-	-	-	-	-	-	-	-	-	34.737	25	0.868	-	-	-	34.737	25	0.868
<i>Subtotal: Recurring Cost</i>	-	-	-	-	-	-	-	-	-	-	-	60.111	-	-	-	-	-	60.111
<i>Subtotal: Flyaway Cost</i>	-	-	-	-	-	-	-	-	-	-	-	60.111	-	-	-	-	-	60.111
Gross/Weapon System Cost	-	-	-	-	-	-	-	-	-	30.086	1,998	60.111	-	-	-	30.086	1,998	60.111

Secondary Distribution		FY 2014	FY 2015	FY 2016 Base	FY 2016 OCO	FY 2016 Total
Army	Quantity	-	-	1,052	-	1,052
	Total Obligation Authority	-	-	31.628	-	31.628
ANG	Quantity	-	-	564	-	564
	Total Obligation Authority	-	-	17.105	-	17.105
AR	Quantity	-	-	382	-	382
	Total Obligation Authority	-	-	11.378	-	11.378
Total: Secondary Distribution	Quantity	-	-	1,998	-	1,998
	Total Obligation Authority	-	-	60.111	-	60.111

(†) indicates the presence of a P-5a

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Exhibit P-5a, Procurement History and Planning: PB 2016 Army							Date: February 2015					
Appropriation / Budget Activity / Budget Sub Activity: 2035A / 03 / 60			P-1 Line Item Number / Title: MA9800 / Generators And Associated Equip				Item Number / Title [DODIC]: R51050 / Advanced Medium Mobile Power Systems (AMMPS)					
Cost Elements	O C O	FY	Contractor and Location	Method/Type or Funding Vehicle	Location of PCO	Award Date	Date of First Delivery	Qty <i>(Each)</i>	Unit Cost <i>(\$ K)</i>	Specs Avail Now?	Date Revision Available	RFP Issue Date
5kW/60Hz (MEP1030) ^(†)		2016	TBD / TBD	C / FP	CECOM	Jan 2016	Jan 2017	925	21.495			
10kW/400Hz (MEP1041) ^(†)		2016	TBD / TBD	C / FFP	CECOM	Jan 2016	Jan 2017	19	25.826			
10kW/60Hz (MEP1040) ^(†)		2016	TBD / TBD	C / FP	CECOM	Jan 2016	Jan 2017	927	24.223			
15kW/400Hz (MEP1051) ^(†)		2016	TBD / TBD	C / FP	CECOM	Jan 2016	Jan 2017	62	26.593			
15kW/60Hz (MEP1050) ^(†)		2016	TBD / TBD	C / FP	CECOM	Jan 2016	Jan 2017	38	25.026			
30kW/400Hz (MEP1061) ^(†)		2016	TBD / TBD	C / FP	CECOM	Jan 2016	Jan 2017	2	31.735			
60kW/400Hz (MEP1071) ^(†)		2016	TBD / TBD	C / FP	CECOM	Jan 2016	Jan 2017	25	34.737			

^(†) indicates the presence of a P-21

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Exhibit P-21, Production Schedule: PB 2016 Army															Date: February 2015														
Appropriation / Budget Activity / Budget Sub Activity: 2035A / 03 / 60										P-1 Line Item Number / Title: MA9800 / Generators And Associated Equip										Item Number / Title [DODIC]: R51050 / Advanced Medium Mobile Power Systems (AMMPS)									

Cost Elements <i>(Units in Each)</i>						Fiscal Year 2016														Fiscal Year 2017																		
O C C O	M F R #	FY	SERVICE	PROC QTY	ACCEPT PRIOR TO 1 OCT 2015	BAL DUE AS OF 1 OCT	Calendar Year 2016														Calendar Year 2017																	
							O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	B A L							
5kW/60Hz (MEP1030)																																						
	1	2016	ARMY	925	-	925				A -	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	77	77	77	77	77	77	77	77	77	232
10kW/400Hz (MEP1041)																																						
	2	2016	ARMY	19	-	19				A -	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	1	1	1	1	2	2	2	2	6	
10kW/60Hz (MEP1040)																																						
	3	2016	ARMY	927	-	927				A -	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	77	77	77	77	77	77	77	77	77	234	
15kW/400Hz (MEP1051)																																						
	4	2016	ARMY	62	-	62				A -	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	5	5	5	5	5	5	5	5	5	5	17	
15kW/60Hz (MEP1050)																																						
	5	2016	ARMY	38	-	38				A -	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	3	3	3	3	3	3	3	3	3	3	11	
30kW/400Hz (MEP1061)																																						
	6	2016	ARMY	2	-	2				A -	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	1								-		
60kW/400Hz (MEP1071)																																						
	7	2016	ARMY	25	-	25				A -	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	2	2	2	2	2	2	2	2	2	2	7	
							O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	B A L							

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Exhibit P-21, Production Schedule: PB 2016 Army													Date: February 2015																		
Appropriation / Budget Activity / Budget Sub Activity: 2035A / 03 / 60						P-1 Line Item Number / Title: MA9800 / Generators And Associated Equip													Item Number / Title [DODIC]: R51050 / Advanced Medium Mobile Power Systems (AMMPS)												

Cost Elements (Units in Each)						Fiscal Year 2018													Fiscal Year 2019													
O C C O	M F R #	FY	SERVICE	PROC QTY	ACCEPT PRIOR TO 1 OCT 2017	BAL DUE AS OF 1 OCT	Calendar Year 2018													Calendar Year 2019												
							O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	B A L	
5kW/60Hz (MEP1030)																																
	1	2016	ARMY	925	693	232	77	77	78																							-
10kW/400Hz (MEP1041)																																
	2	2016	ARMY	19	13	6	2	2	2																							-
10kW/60Hz (MEP1040)																																
	3	2016	ARMY	927	693	234	78	78	78																							-
15kW/400Hz (MEP1051)																																
	4	2016	ARMY	62	45	17	5	6	6																							-
15kW/60Hz (MEP1050)																																
	5	2016	ARMY	38	27	11	3	4	4																							-
30kW/400Hz (MEP1061)																																
	6	2016	ARMY	2	2	-																										-
60kW/400Hz (MEP1071)																																
	7	2016	ARMY	25	18	7	2	2	3																							-
							O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	B A L	

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Exhibit P-21, Production Schedule: PB 2016 Army		Date: February 2015
Appropriation / Budget Activity / Budget Sub Activity: 2035A / 03 / 60		P-1 Line Item Number / Title: MA9800 / Generators And Associated Equip
		Item Number / Title [DODIC]: R51050 / Advanced Medium Mobile Power Systems (AMMPS)

MFR Ref #	MFR Name - Location	Production Rates (Each / Month)			Procurement Leadtime (Months)							
		MSR For 2016	1-8-5 For 2016	MAX For 2016	Initial				Reorder			
					ALT Prior to Oct 1	ALT After Oct 1	Mfg PLT	Total After Oct 1	ALT Prior to Oct 1	ALT After Oct 1	Mfg PLT	Total After Oct 1
1	TBD - TBD	1,500	3,000	4,800	6	4	12	16	-	-	-	-
2	TBD - TBD	1,500	3,000	4,800	6	4	12	16	-	-	-	-
3	TBD - TBD	1,500	3,000	4,800	6	4	12	16	-	-	-	-
4	TBD - TBD	1,500	3,000	4,800	6	4	12	16	-	-	-	-
5	TBD - TBD	1,500	3,000	4,800	6	4	12	16	-	-	-	-
6	TBD - TBD	1,500	3,000	4,800	6	4	12	16	-	-	-	-
7	TBD - TBD	1,500	3,000	4,800	6	4	12	16	-	-	-	-

Remarks:

All production rates shown on a yearly basisManufacturer has multiple products that contribute to the minimum production rate.

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

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

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Exhibit P-5, Cost Analysis: PB 2016 Army						Date: February 2015		
Appropriation / Budget Activity / Budget Sub Activity: 2035A / 03 / 60			P-1 Line Item Number / Title: MA9800 / Generators And Associated Equip			Item Number / Title [DODIC]: R59210 / Power Units/Mounted (AMMPS)		
ID Code (A=Service Ready, B=Not Service Ready) :						MDAP/MAIS Code:		
Resource Summary			Prior Years	FY 2014	FY 2015	FY 2016 Base	FY 2016 OCO	FY 2016 Total
Procurement Quantity (<i>Units in Each</i>)			-	-	-	1,102	-	1,102
Gross/Weapon System Cost (<i>\$ in Millions</i>)			-	-	-	53.509	-	53.509
Less PY Advance Procurement (<i>\$ in Millions</i>)			-	-	-	-	-	-
Net Procurement (P1) (<i>\$ in Millions</i>)			-	-	-	53.509	-	53.509
Plus CY Advance Procurement (<i>\$ in Millions</i>)			-	-	-	-	-	-
Total Obligation Authority (<i>\$ in Millions</i>)			-	-	-	53.509	-	53.509
<i>(The following Resource Summary rows are for informational purposes only. The corresponding budget requests are documented elsewhere.)</i>								
Initial Spares (<i>\$ in Millions</i>)			-	-	-	-	-	-
Gross/Weapon System Unit Cost (<i>\$ in Thousands</i>)			-	-	-	48.556	-	48.556

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

Cost Elements	Prior Years			FY 2014			FY 2015			FY 2016 Base			FY 2016 OCO			FY 2016 Total		
	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)
Flyaway Cost																		
Recurring Cost																		
1. Engineering Support	-	-	-	-	-	-	-	-	-	-	-	1.522	-	-	-	-	-	1.522
2. Engineering Change Orders	-	-	-	-	-	-	-	-	-	-	-	0.020	-	-	-	-	-	0.020
3. Testing	-	-	-	-	-	-	-	-	-	-	-	8.500	-	-	-	-	-	8.500
4. System Fielding Support	-	-	-	-	-	-	-	-	-	-	-	1.569	-	-	-	-	-	1.569
5. System Assessment	-	-	-	-	-	-	-	-	-	-	-	0.230	-	-	-	-	-	0.230
6. Logistics Support	-	-	-	-	-	-	-	-	-	-	-	1.050	-	-	-	-	-	1.050
7. Data	-	-	-	-	-	-	-	-	-	-	-	0.192	-	-	-	-	-	0.192
8. PM Management Support	-	-	-	-	-	-	-	-	-	-	-	1.745	-	-	-	-	-	1.745
PP3001, two 5kW 50/60Hz, LTT ^(†)	-	-	-	-	-	-	-	-	-	51.170	58	2.968	-	-	-	51.170	58	2.968
PP3101, two 5kW 50/60Hz, M200A1 ^(†)	-	-	-	-	-	-	-	-	-	52.300	20	1.046	-	-	-	52.300	20	1.046
PP3102, two 10kW 50/60Hz ^(†)	-	-	-	-	-	-	-	-	-	56.831	38	2.160	-	-	-	56.831	38	2.160
PP3105, two 30kW 50/60Hz ^(†)	-	-	-	-	-	-	-	-	-	68.383	39	2.667	-	-	-	68.383	39	2.667

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Exhibit P-5, Cost Analysis: PB 2016 Army		Date: February 2015
Appropriation / Budget Activity / Budget Sub Activity: 2035A / 03 / 60	P-1 Line Item Number / Title: MA9800 / Generators And Associated Equip	Item Number / Title [DODIC]: R59210 / Power Units/Mounted (AMMPS)
ID Code (A=Service Ready, B=Not Service Ready) :		MDAP/MAIS Code:

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

Cost Elements	Prior Years			FY 2014			FY 2015			FY 2016 Base			FY 2016 OCO			FY 2016 Total		
	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)
PP3106, two 60kW 50/60Hz ^(†)	-	-	-	-	-	-	-	-	-	73.889	5	0.369	-	-	-	73.889	5	0.369
PU2001, 5kW 50/60Hz ^(†)	-	-	-	-	-	-	-	-	-	25.520	80	2.042	-	-	-	25.520	80	2.042
PP3003, two 15kW 50/60Hz ^(†)	-	-	-	-	-	-	-	-	-	58.472	74	4.327	-	-	-	58.472	74	4.327
PU2002, 10kW 50/60Hz ^(†)	-	-	-	-	-	-	-	-	-	24.526	220	5.396	-	-	-	24.526	220	5.396
PU2012, 10kW 400Hz ^(†)	-	-	-	-	-	-	-	-	-	29.354	13	0.382	-	-	-	29.354	13	0.382
PU2111, 15kW 400Hz ^(†)	-	-	-	-	-	-	-	-	-	31.091	81	2.518	-	-	-	31.091	81	2.518
PU2003, 15kW 50/60Hz, LTT ^(†)	-	-	-	-	-	-	-	-	-	28.656	201	5.760	-	-	-	28.656	201	5.760
PU2101, 15kW 50/60Hz, M200 ^(†)	-	-	-	-	-	-	-	-	-	29.514	79	2.332	-	-	-	29.514	79	2.332
PU2102, 30kW 50/60Hz ^(†)	-	-	-	-	-	-	-	-	-	33.641	101	3.398	-	-	-	33.641	101	3.398
PU2112, 30kW 400Hz ^(†)	-	-	-	-	-	-	-	-	-	36.286	14	0.508	-	-	-	36.286	14	0.508
PU2103, 60kW 50/60Hz ^(†)	-	-	-	-	-	-	-	-	-	35.800	73	2.613	-	-	-	35.800	73	2.613
PU2113, 60kW 400Hz ^(†)	-	-	-	-	-	-	-	-	-	39.288	5	0.196	-	-	-	39.288	5	0.196
<i>Subtotal: Recurring Cost</i>	-	-	-	-	-	-	-	-	-	-	-	53.509	-	-	-	-	-	53.509
<i>Subtotal: Flyaway Cost</i>	-	-	-	-	-	-	-	-	-	-	-	53.509	-	-	-	-	-	53.509
Gross/Weapon System Cost	-	-	-	-	-	-	-	-	-	48.556	1,102	53.509	-	-	-	48.556	1,102	53.509

Secondary Distribution		FY 2014	FY 2015	FY 2016 Base	FY 2016 OCO	FY 2016 Total
Army	Quantity	-	-	379	-	379
	Total Obligation Authority	-	-	17.816	-	17.816
ANG	Quantity	-	-	705	-	705
	Total Obligation Authority	-	-	34.554	-	34.554

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Exhibit P-5, Cost Analysis: PB 2016 Army		Date: February 2015
Appropriation / Budget Activity / Budget Sub Activity: 2035A / 03 / 60	P-1 Line Item Number / Title: MA9800 / Generators And Associated Equip	Item Number / Title [DODIC]: R59210 / Power Units/Mounted (AMMPS)

ID Code (A=Service Ready, B=Not Service Ready) :	MDAP/MAIS Code:
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Secondary Distribution		FY 2014	FY 2015	FY 2016 Base	FY 2016 OCO	FY 2016 Total
AR	Quantity	-	-	18	-	18
	Total Obligation Authority	-	-	1.139	-	1.139
Total:	Quantity	-	-	1,102	-	1,102
Secondary Distribution	Total Obligation Authority	-	-	53.509	-	53.509

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

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Exhibit P-5a, Procurement History and Planning: PB 2016 Army								Date: February 2015				
Appropriation / Budget Activity / Budget Sub Activity: 2035A / 03 / 60			P-1 Line Item Number / Title: MA9800 / Generators And Associated Equip					Item Number / Title [DODIC]: R59210 / Power Units/Mounted (AMMPS)				
Cost Elements	O C O	FY	Contractor and Location	Method/Type or Funding Vehicle	Location of PCO	Award Date	Date of First Delivery	Qty <i>(Each)</i>	Unit Cost <i>(\$ K)</i>	Specs Avail Now?	Date Revision Available	RFP Issue Date
PP3001, two 5kW 50/60Hz, LTT ^(†)		2016	TBD / TBD	C / FP	CECOM	Jan 2016	Jan 2017	58	51.170	N		
PP3101, two 5kW 50/60Hz, M200A1 ^(†)		2016	TBD / TBD	C / FP	CECOM	Jan 2016	Jan 2017	20	52.300	N		
PP3102, two 10kW 50/60Hz ^(†)		2016	TBD / TBD	C / FP	CECOM	Jan 2016	Jan 2017	38	56.831	N		
PP3105, two 30kW 50/60Hz ^(†)		2016	TBD / TBD	C / FP	CECOM	Jan 2016	Jan 2017	39	68.383	N		
PP3106, two 60kW 50/60Hz ^(†)		2016	TBD / TBD	C / FP	CECOM	Jan 2016	Jan 2017	5	73.889	N		
PU2001, 5kW 50/60Hz ^(†)		2016	TBD / TBD	C / FP	CECOM	Jan 2016	Jan 2017	80	25.520	N		
PP3003, two 15kW 50/60Hz ^(†)		2016	TBD / TBD	C / FP	CECOM	Jan 2016	Jan 2017	74	58.472	N		
PU2002, 10kW 50/60Hz ^(†)		2016	TBD / TBD	C / FP	CECOM	Jan 2016	Jan 2017	220	24.526	N		
PU2012, 10kW 400Hz ^(†)		2016	TBD / TBD	C / FP	CECOM	Jan 2016	Jan 2017	13	29.354	N		
PU2111, 15kW 400Hz ^(†)		2016	TBD / TBD	C / FP	CECOM	Jan 2016	Jan 2017	81	31.091	N		
PU2003, 15kW 50/60Hz, LTT ^(†)		2016	TBD / TBD	C / FP	CECOM	Jan 2016	Jan 2017	201	28.656	N		
PU2101, 15kW 50/60Hz, M200 ^(†)		2016	TBD / TBD	C / FP	CECOM	Jan 2016	Jan 2017	79	29.514	N		
PU2102, 30kW 50/60Hz ^(†)		2016	TBD / TBD	C / FP	CECOM	Jan 2016	Jan 2017	101	33.641	N		
PU2112, 30kW 400Hz ^(†)		2016	TBD / TBD	C / FP	CECOM	Jan 2016	Jan 2017	14	36.286	N		
PU2103, 60kW 50/60Hz ^(†)		2016	TBD / TBD	C / FP	CECOM	Jan 2016	Jan 2017	73	35.800	N		
PU2113, 60kW 400Hz ^(†)		2016	TBD / TBD	C / FP	CECOM	Jan 2016	Jan 2017	5	39.288	N		

^(†) indicates the presence of a P-21

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Exhibit P-21, Production Schedule: PB 2016 Army		Date: February 2015
Appropriation / Budget Activity / Budget Sub Activity: 2035A / 03 / 60		P-1 Line Item Number / Title: MA9800 / Generators And Associated Equip
		Item Number / Title [DODIC]: R59210 / Power Units/Mounted (AMMPS)

MFR Ref #	MFR Name - Location	Production Rates (Each / Month)			Procurement Leadtime (Months)							
		MSR For 2016	1-8-5 For 2016	MAX For 2016	Initial				Reorder			
					ALT Prior to Oct 1	ALT After Oct 1	Mfg PLT	Total After Oct 1	ALT Prior to Oct 1	ALT After Oct 1	Mfg PLT	Total After Oct 1
1	TBD - TBD	500	1,400	2,800	4	4	12	16	-	-	-	-
2	TBD - TBD	500	1,400	2,800	4	4	12	16	-	-	-	-
3	TBD - TBD	500	1,400	2,800	4	4	12	16	-	-	-	-
4	TBD - TBD	500	1,400	2,800	4	4	12	16	-	-	-	-
5	TBD - TBD	500	1,400	2,800	4	4	12	16	-	-	-	-
6	TBD - TBD	500	1,400	2,800	4	4	12	16	-	-	-	-
7	TBD - TBD	500	1,400	2,800	4	4	12	16	-	-	-	-
8	TBD - TBD	500	1,400	2,800	4	4	12	16	-	-	-	-
9	TBD - TBD	500	1,400	2,800	4	4	12	16	-	-	-	-
10	TBD - TBD	500	1,400	2,800	4	4	12	16	-	-	-	-
11	TBD - TBD	500	1,400	2,800	4	4	12	16	-	-	-	-
12	TBD - TBD	500	1,400	2,800	4	4	12	16	-	-	-	-
13	TBD - TBD	500	1,400	2,800	4	4	12	16	-	-	-	-
14	TBD - TBD	500	1,400	2,800	4	4	12	16	-	-	-	-
15	TBD - TBD	500	1,400	2,800	4	4	12	16	-	-	-	-
16	TBD - TBD	500	1,400	2,800	4	4	12	16	-	-	-	-

Remarks:
This is an integration of components delivered to the contractor which makes up the power unit/power plant. The manufacturing lead time includes the time to order and receive the generator sets, trailers, and switchboxes. All production rates are shown on a yearly basis. Manufacturer has multiple products that contribute to the minimum production rate.

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

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Exhibit P-5, Cost Analysis: PB 2016 Army					Date: February 2015			
Appropriation / Budget Activity / Budget Sub Activity: 2035A / 03 / 60			P-1 Line Item Number / Title: MA9800 / Generators And Associated Equip			Item Number / Title [DODIC]: R61510 / Large Advanced Mobile Power		
ID Code (A=Service Ready, B=Not Service Ready) :				MDAP/MAIS Code:				
Resource Summary			Prior Years	FY 2014	FY 2015	FY 2016 Base	FY 2016 OCO	FY 2016 Total
Procurement Quantity (<i>Units in Each</i>)			-	-	-	296	-	296
Gross/Weapon System Cost (<i>\$ in Millions</i>)			-	-	-	25.380	-	25.380
Less PY Advance Procurement (<i>\$ in Millions</i>)			-	-	-	-	-	-
Net Procurement (P1) (<i>\$ in Millions</i>)			-	-	-	25.380	-	25.380
Plus CY Advance Procurement (<i>\$ in Millions</i>)			-	-	-	-	-	-
Total Obligation Authority (<i>\$ in Millions</i>)			-	-	-	25.380	-	25.380
<i>(The following Resource Summary rows are for informational purposes only. The corresponding budget requests are documented elsewhere.)</i>								
Initial Spares (<i>\$ in Millions</i>)			-	-	-	-	-	-
Gross/Weapon System Unit Cost (<i>\$ in Thousands</i>)			-	-	-	85.743	-	85.743

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

Cost Elements	Prior Years			FY 2014			FY 2015			FY 2016 Base			FY 2016 OCO			FY 2016 Total		
	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)
Flyaway Cost																		
Recurring Cost																		
1. Engineering Support	-	-	-	-	-	-	-	-	-	-	-	1.154	-	-	-	-	-	1.154
2. Engineering Change Orders	-	-	-	-	-	-	-	-	-	-	-	1.019	-	-	-	-	-	1.019
3. Testing	-	-	-	-	-	-	-	-	-	-	-	1.019	-	-	-	-	-	1.019
4. System Fielding Support	-	-	-	-	-	-	-	-	-	-	-	0.746	-	-	-	-	-	0.746
5. Systems Assessment	-	-	-	-	-	-	-	-	-	-	-	0.110	-	-	-	-	-	0.110
6. Logistics Support	-	-	-	-	-	-	-	-	-	-	-	1.037	-	-	-	-	-	1.037
7. Data	-	-	-	-	-	-	-	-	-	-	-	0.102	-	-	-	-	-	0.102
8. PM Management Support	-	-	-	-	-	-	-	-	-	-	-	1.367	-	-	-	-	-	1.367
LAMPS 100kW Skid ^(†)	-	-	-	-	-	-	-	-	70.922	41	2.908	-	-	-	70.922	41	2.908	
LAMPS 100kW Power Unit ^(†)	-	-	-	-	-	-	-	-	87.398	104	9.089	-	-	-	87.398	104	9.089	
LAMPS 200kW Skid ^(†)	-	-	-	-	-	-	-	-	100.250	4	0.401	-	-	-	100.250	4	0.401	
LAMPS 200kW Power Unit ^(†)	-	-	-	-	-	-	-	-	105.000	3	0.315	-	-	-	105.000	3	0.315	
LAMPS PDU ^(†)	-	-	-	-	-	-	-	-	42.450	144	6.113	-	-	-	42.450	144	6.113	
<i>Subtotal: Recurring Cost</i>	-	-	-	-	-	-	-	-	-	-	-	25.380	-	-	-	-	-	25.380
<i>Subtotal: Flyaway Cost</i>	-	-	-	-	-	-	-	-	-	-	-	25.380	-	-	-	-	-	25.380

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Exhibit P-5, Cost Analysis: PB 2016 Army												Date: February 2015					
Appropriation / Budget Activity / Budget Sub Activity: 2035A / 03 / 60						P-1 Line Item Number / Title: MA9800 / Generators And Associated Equip						Item Number / Title [DODIC]: R61510 / Large Advanced Mobile Power					
ID Code (A=Service Ready, B=Not Service Ready) :												MDAP/MAIS Code:					

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

Cost Elements	Prior Years			FY 2014			FY 2015			FY 2016 Base			FY 2016 OCO			FY 2016 Total		
	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)
Gross/Weapon System Cost	-	-	-	-	-	-	-	-	-	85.743	296	25.380	-	-	-	85.743	296	25.380

Secondary Distribution		FY 2014	FY 2015	FY 2016 Base	FY 2016 OCO	FY 2016 Total
Army	Quantity	-	-	158	-	158
	Total Obligation Authority	-	-	13.451	-	13.451
AR	Quantity	-	-	138	-	138
	Total Obligation Authority	-	-	11.929	-	11.929
Total: Secondary Distribution	Quantity	-	-	296	-	296
	Total Obligation Authority	-	-	25.380	-	25.380

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

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

Appropriation / Budget Activity / Budget Sub Activity: 2035A / 03 / 60	P-1 Line Item Number / Title: MA9800 / Generators And Associated Equip	Item Number / Title [DODIC]: R61510 / Large Advanced Mobile Power
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Cost Elements	O C O	FY	Contractor and Location	Method/Type or Funding Vehicle	Location of PCO	Award Date	Date of First Delivery	Qty <i>(Each)</i>	Unit Cost <i>(\$ K)</i>	Specs Avail Now?	Date Revision Available	RFP Issue Date
LAMPS 100kW Skid ^(†)		2016	L-3 Communications Westwood Co / Tulsa	C / FP	ACC-APG, Belvoir	Apr 2016	Jan 2017	41	70.922	N		
LAMPS 100kW Power Unit ^(†)		2016	L-3 Communications Westwood Co / Tulsa	C / FP	ACC-APG, Belvoir	Apr 2016	Jan 2017	104	87.398	N		
LAMPS 200kW Skid ^(†)		2016	L-3 Communications Westwood Co / Tulsa	C / FP	ACC-APG, Belvoir	Apr 2016	Jan 2017	4	100.250	N		
LAMPS 200kW Power Unit ^(†)		2016	L-3 Communications Westwood Co / Tulsa	C / FP	ACC-APG, Belvoir	Apr 2016	Jan 2017	3	105.000	N		
LAMPS PDU ^(†)		2016	L-3 Communications Westwood Co / Tulsa	C / FP	ACC-APG, Belvoir	Apr 2016	Jan 2017	144	42.450	N		

^(†) indicates the presence of a P-21

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

Appropriation / Budget Activity / Budget Sub Activity: 2035A / 03 / 60	P-1 Line Item Number / Title: MA9800 / Generators And Associated Equip	Item Number / Title [DODIC]: R61510 / Large Advanced Mobile Power
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Cost Elements <i>(Units in Each)</i>						Fiscal Year 2018												Fiscal Year 2019												
O C C O	M F R #	FY	SERVICE	PROC QTY	ACCEPT PRIOR TO 1 OCT 2017	BAL DUE AS OF 1 OCT	Calendar Year 2018												Calendar Year 2019											
							O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P
LAMPS 100kW Skid																														
	1	2016	ARMY	41	32	9	3	3	3																				-	
LAMPS 100kW Power Unit																														
	2	2016	ARMY	104	80	24	8	8	8																					-
LAMPS 200kW Skid																														
	3	2016	ARMY	4	4	-																								-
LAMPS 200kW Power Unit																														
	4	2016	ARMY	3	3	-																								-
LAMPS PDU																														
	5	2016	ARMY	144	108	36	12	12	12																					-

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

Appropriation / Budget Activity / Budget Sub Activity: 2035A / 03 / 60	P-1 Line Item Number / Title: MA9800 / Generators And Associated Equip	Item Number / Title [DODIC]: R61510 / Large Advanced Mobile Power
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MFR Ref #	MFR Name - Location	Production Rates (Each / Month)			Procurement Leadtime (Months)							
		MSR For 2016	1-8-5 For 2016	MAX For 2016	Initial				Reorder			
					ALT Prior to Oct 1	ALT After Oct 1	Mfg PLT	Total After Oct 1	ALT Prior to Oct 1	ALT After Oct 1	Mfg PLT	Total After Oct 1
1	L-3 Communications Westwood Co - Tulsa	120	180	240	4	6	9	15	4	4	12	16
2	L-3 Communications Westwood Co - Tulsa	120	180	240	4	6	9	15	4	4	12	16
3	L-3 Communications Westwood Co - Tulsa	120	180	240	4	6	9	15	4	4	12	16
4	L-3 Communications Westwood Co - Tulsa	120	180	240	4	6	9	15	4	4	12	16
5	L-3 Communications Westwood Co - Tulsa	120	180	240	4	6	9	15	4	4	12	16

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

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Exhibit P-5, Cost Analysis: PB 2016 Army		Date: February 2015
Appropriation / Budget Activity / Budget Sub Activity: 2035A / 03 / 60	P-1 Line Item Number / Title: MA9800 / Generators And Associated Equip	Item Number / Title [DODIC]: R62700 / POWER UNITS/POWER PLANTS

ID Code (A=Service Ready, B=Not Service Ready) :	MDAP/MAIS Code:
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Resource Summary	Prior Years	FY 2014	FY 2015	FY 2016 Base	FY 2016 OCO	FY 2016 Total
Procurement Quantity (Units in Each)	232	215	1,049	-	-	-
Gross/Weapon System Cost (\$ in Millions)	454.903	20.259	48.093	-	-	-
Less PY Advance Procurement (\$ in Millions)	-	-	-	-	-	-
Net Procurement (P1) (\$ in Millions)	454.903	20.259	48.093	-	-	-
Plus CY Advance Procurement (\$ in Millions)	-	-	-	-	-	-
Total Obligation Authority (\$ in Millions)	454.903	20.259	48.093	-	-	-

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

Initial Spares (\$ in Millions)	-	-	-	-	-	-
Gross/Weapon System Unit Cost (\$ in Thousands)	1,960.789	94.228	45.847	-	-	-

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

Cost Elements	Prior Years			FY 2014			FY 2015			FY 2016 Base			FY 2016 OCO			FY 2016 Total		
	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)
Flyaway Cost																		
Recurring Cost																		
1. Engineering Support	-	-	2.581	-	-	1.629	-	-	3.375	-	-	-	-	-	-	-	-	-
2. Engineering Change Orders	-	-	0.170	-	-	0.006	-	-	0.020	-	-	-	-	-	-	-	-	-
3. Testing	-	-	0.620	-	-	0.049	-	-	3.882	-	-	-	-	-	-	-	-	-
4. System Fielding Support	-	-	1.552	-	-	0.200	-	-	2.552	-	-	-	-	-	-	-	-	-
5. Systems Assessment	-	-	0.780	-	-	0.200	-	-	0.239	-	-	-	-	-	-	-	-	-
6. Logistics Support	-	-	0.800	-	-	0.800	-	-	2.584	-	-	-	-	-	-	-	-	-
7..Data	-	-	-	-	-	0.124	-	-	0.188	-	-	-	-	-	-	-	-	-
8. PM Management Support	-	-	409.585	-	-	8.000	-	-	4.011	-	-	-	-	-	-	-	-	-
PP3001, two 5kW 50/60Hz, LTT ^(†)	-	-	-	-	-	-	47.650	10	0.477	-	-	-	-	-	-	-	-	-
PP3101, two 5kW 50/60Hz, M200A1 ^(†)	47.000	33	1.551	-	-	-	48.858	10	0.489	-	-	-	-	-	-	-	-	-
PP3102, two 10kW 50/60Hz ^(†)	-	-	-	52.272	10	0.523	53.317	45	2.399	-	-	-	-	-	-	-	-	-
PP3105, two 30kW 50/60Hz ^(†)	64.000	468	29.951	-	-	-	64.880	20	1.298	-	-	-	-	-	-	-	-	-

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Exhibit P-5, Cost Analysis: PB 2016 Army		Date: February 2015
Appropriation / Budget Activity / Budget Sub Activity: 2035A / 03 / 60		P-1 Line Item Number / Title: MA9800 / Generators And Associated Equip
		Item Number / Title [DODIC]: R62700 / POWER UNITS/POWER PLANTS
ID Code (A=Service Ready, B=Not Service Ready) :		MDAP/MAIS Code:

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

Cost Elements	Prior Years			FY 2014			FY 2015			FY 2016 Base			FY 2016 OCO			FY 2016 Total		
	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)
PP3106, two 60kW 50/60Hz ^(†)	-	-	-	69.012	60	4.141	70.392	10	0.704	-	-	-	-	-	-	-	-	-
PU2001, 5kW 50/60Hz ^(†)	29.147	143	4.168	-	-	-	25.528	381	9.726	-	-	-	-	-	-	-	-	-
PP3003, two 15kW 50/60Hz ^(†)	-	-	-	53.882	25	1.347	54.960	41	2.253	-	-	-	-	-	-	-	-	-
PU2002, 10kW 50/60Hz ^(†)	24.000	131	3.143	-	-	-	24.206	289	6.996	-	-	-	-	-	-	-	-	-
PU2012, 10kW 400Hz ^(†)	-	-	-	-	-	-	25.813	10	0.258	-	-	-	-	-	-	-	-	-
PU2111, 15kW/400Hz ^(†)	-	-	-	-	-	-	27.552	10	0.276	-	-	-	-	-	-	-	-	-
PU2003, 15kW 50/60Hz, LTT ^(†)	-	-	-	24.600	20	0.492	25.100	90	2.259	-	-	-	-	-	-	-	-	-
PU2101, 15kW 50/60Hz, M200A1 ^(†)	-	-	-	29.520	50	1.476	29.235	55	1.608	-	-	-	-	-	-	-	-	-
PU2102, 30kW 50/60Hz ^(†)	-	-	-	25.460	50	1.273	30.104	43	1.294	-	-	-	-	-	-	-	-	-
PU2112, 30kW/400Hz ^(†)	-	-	-	-	-	-	32.752	20	0.655	-	-	-	-	-	-	-	-	-
PU2103, 60kW 50/60Hz ^(†)	-	-	-	-	-	-	35.585	10	0.356	-	-	-	-	-	-	-	-	-
PU2113, 60kW/400Hz ^(†)	-	-	-	-	-	-	39.019	5	0.195	-	-	-	-	-	-	-	-	-
<i>Subtotal: Recurring Cost</i>	-	-	454.903	-	-	20.259	-	-	48.093	-	-	-	-	-	-	-	-	-
<i>Subtotal: Flyaway Cost</i>	-	-	454.903	-	-	20.259	-	-	48.093	-	-	-	-	-	-	-	-	-
Gross/Weapon System Cost	1,960.789	232	454.903	94.228	215	20.259	45.847	1,049	48.093	-	-	-	-	-	-	-	-	-

Secondary Distribution		FY 2014	FY 2015	FY 2016 Base	FY 2016 OCO	FY 2016 Total
Army	Quantity	215	368	-	-	-
	Total Obligation Authority	20.259	16.833	-	-	-
ANG	Quantity	-	681	-	-	-
	Total Obligation Authority	-	31.260	-	-	-

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Exhibit P-5, Cost Analysis: PB 2016 Army		Date: February 2015
Appropriation / Budget Activity / Budget Sub Activity: 2035A / 03 / 60	P-1 Line Item Number / Title: MA9800 / Generators And Associated Equip	Item Number / Title [DODIC]: R62700 / POWER UNITS/POWER PLANTS

ID Code (A=Service Ready, B=Not Service Ready) :	MDAP/MAIS Code:
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Secondary Distribution		FY 2014	FY 2015	FY 2016 Base	FY 2016 OCO	FY 2016 Total
Total:	Quantity	215	1,049	-	-	-
Secondary Distribution	Total Obligation Authority	20.259	48.093	-	-	-

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

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

Appropriation / Budget Activity / Budget Sub Activity: 2035A / 03 / 60	P-1 Line Item Number / Title: MA9800 / Generators And Associated Equip	Item Number / Title [DODIC]: R62700 / POWER UNITS/POWER PLANTS
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Cost Elements	O C O	FY	Contractor and Location	Method/Type or Funding Vehicle	Location of PCO	Award Date	Date of First Delivery	Qty <i>(Each)</i>	Unit Cost <i>(\$ K)</i>	Specs Avail Now?	Date Revision Available	RFP Issue Date
PP3001, two 5kW 50/60Hz, LTT ^(†)		2015	TBD / TBD	C / FP	CECOM	Mar 2015	Aug 2015	10	47.650	N		
PP3101, two 5kW 50/60Hz, M200A1 ^(†)		2015	TBD / TBD	C / FP	CECOM	Mar 2015	Aug 2015	10	48.858	N		
PP3102, two 10kW 50/60Hz ^(†)		2014	Cummins Power Generation, INC / Minneapolis, MN	C / FP	CECOM	Feb 2014	Jun 2014	10	52.272	N		
PP3102, two 10kW 50/60Hz ^(†)		2015	TBD / TBD	C / FP	CECOM	Mar 2015	Aug 2015	45	53.317	N		
PP3105, two 30kW 50/60Hz ^(†)		2015	TBD / TBD	C / FP	CECOM	Mar 2015	Aug 2015	20	64.880	N		
PP3106, two 60kW 50/60Hz ^(†)		2014	Cummins Power Generation, INC / Minneapolis, MN	C / FP	CECOM	Feb 2014	Jun 2014	60	69.012	N		
PP3106, two 60kW 50/60Hz ^(†)		2015	TBD / TBD	C / FP	CECOM	Mar 2015	Aug 2015	10	70.392	N		
PU2001, 5kW 50/60Hz ^(†)		2015	TBD / TBD	C / FP	CECOM	Mar 2015	Aug 2015	381	25.528	N		
PP3003, two 15kW 50/60Hz ^(†)		2014	Cummins Power Generation, INC / Minneapolis, MN	C / FP	CECOM	Feb 2014	Jun 2014	25	53.882	N		
PP3003, two 15kW 50/60Hz ^(†)		2015	TBD / TBD	C / FPIF	CECOM	Mar 2015	Aug 2015	41	54.960	N		
PU2002, 10kW 50/60Hz ^(†)		2015	TBD / TBD	C / FP	CECOM	Mar 2015	Aug 2015	289	24.206	N		
PU2012, 10kW 400Hz ^(†)		2015	TBD / TBD	C / FP	CECOM	Mar 2015	Aug 2015	10	25.813	N		
PU2111, 15kW/400Hz ^(†)		2015	TBD / TBD	C / FP	CECOM	Mar 2015	Aug 2015	10	27.552	N		
PU2003, 15kW 50/60Hz, LTT ^(†)		2014	Cummins Power Generation, INC / Minneapolis, MN	C / FP	CECOM	Feb 2014	Jun 2014	20	24.600	N		
PU2003, 15kW 50/60Hz, LTT ^(†)		2015	TBD / TBD	C / FP	CECOM	Mar 2015	Aug 2015	90	25.100	N		
PU2101, 15kW 50/60Hz, M200A1 ^(†)		2015	TBD / TBD	C / FP	CECOM	Mar 2015	Aug 2015	55	29.235	N		
PU2102, 30kW 50/60Hz ^(†)		2014	Cummins Power Generation, INC / Minneapolis, MN	C / FP	CECOM	Feb 2014	Jun 2014	50	25.460	N		
PU2102, 30kW 50/60Hz ^(†)		2015	TBD / TBD	C / FP	CECOM	Mar 2015	Aug 2015	43	30.104	N		
PU2112, 30kW/400Hz ^(†)		2015	TBD / TBD	C / FP	CECOM	Mar 2015	Aug 2015	20	32.752	N		
PU2103, 60kW 50/60Hz ^(†)		2015	TBD / TBD	C / FP	CECOM	Mar 2015	Aug 2015	10	35.585	N		
PU2113, 60kW/400Hz ^(†)		2015	TBD / TBD	C / FP	CECOM	Mar 2015	Aug 2015	5	39.019	N		

^(†) indicates the presence of a P-21

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Exhibit P-21, Production Schedule: PB 2016 Army																							Date: February 2015													
Appropriation / Budget Activity / Budget Sub Activity: 2035A / 03 / 60										P-1 Line Item Number / Title: MA9800 / Generators And Associated Equip										Item Number / Title [DODIC]: R62700 / POWER UNITS/POWER PLANTS																
Cost Elements (Units in Each)						Fiscal Year 2014													Fiscal Year 2015																	
O C C #	M F R #	FY	SERVICE	PROC QTY	ACCEP T P R I O R T O 1 O C T 2 0 1 3	BAL D U E A S O F 1 O C T	Calendar Year 2014													Calendar Year 2015																
							O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	B A L					
PP3001, two 5kW 50/60Hz, LTT																																				
1		2015	ARMY	10	-	10																						A	-	-	-	-	-	1	1	8
PP3101, two 5kW 50/60Hz, M200A1																																				
Prior Years Deliveries: 33																																				
2		2015	ARMY	10	-	10																						A	-	-	-	-	-	1	1	8
PP3102, two 10kW 50/60Hz																																				
3		2014	ARMY	10	-	10																														
4		2015	ARMY	45	-	45																														
PP3105, two 30kW 50/60Hz																																				
Prior Years Deliveries: 468																																				
5		2015	ARMY	20	-	20																						A	-	-	-	-	-	2	2	16
PP3106, two 60kW 50/60Hz																																				
6		2014	ARMY	60	-	60																														
7		2015	ARMY	10	-	10																						A	-	-	-	-	-	1	1	8
PU2001, 5kW 50/60Hz																																				
Prior Years Deliveries: 143																																				
8		2015	ARMY	381	-	381																						A	-	-	-	-	-	32	32	317
PP3003, two 15kW 50/60Hz																																				
9		2014	ARMY	25	-	25																														
10		2015	ARMY	41	-	41																														
PU2002, 10kW 50/60Hz																																				
Prior Years Deliveries: 131																																				
11		2015	ARMY	289	-	289																						A	-	-	-	-	-	24	24	241
PU2012, 10kW 400Hz																																				
12		2015	ARMY	10	-	10																						A	-	-	-	-	-	1	1	8
PU2111, 15kW/400Hz																																				
13		2015	ARMY	10	-	10																						A	-	-	-	-	-	1	1	8
PU2003, 15kW 50/60Hz, LTT																																				
14		2014	ARMY	20	-	20																														
15		2015	ARMY	90	-	90																						A	-	-	-	-	-	7	7	76
PU2101, 15kW 50/60Hz, M200A1																																				
16		2015	ARMY	55	-	55																						A	-	-	-	-	-	5	5	45
							O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	B A L					

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Exhibit P-21, Production Schedule: PB 2016 Army																							Date: February 2015															
Appropriation / Budget Activity / Budget Sub Activity: 2035A / 03 / 60											P-1 Line Item Number / Title: MA9800 / Generators And Associated Equip											Item Number / Title [DODIC]: R62700 / POWER UNITS/POWER PLANTS																
Cost Elements <i>(Units in Each)</i>						Fiscal Year 2014														Fiscal Year 2015																		
						Calendar Year 2014														Calendar Year 2015																		
O	C	M	F	R	#	FY	SERVICE	PROC	QTY	ACCEPT PRIOR TO 1 OCT 2013	BAL DUE AS OF 1 OCT	O	N	D	J	F	M	A	M	J	J	A	S	O	N	D	J	F	M	A	M	J	J	A	S	B		
												C	O	V	E	A	A	P	A	U	U	G	E	C	O	V	E	A	A	U	U	A	S	A				
PU2102, 30kW 50/60Hz																																						
						17	2014	ARMY	50	-	50																											
						18	2015	ARMY	43	-	43																											
PU2112, 30kW/400Hz																																						
						19	2015	ARMY	20	-	20																											
PU2103, 60kW 50/60Hz																																						
						20	2015	ARMY	10	-	10																											
PU2113, 60kW/400Hz																																						
						21	2015	ARMY	5	-	5																											
												C	O	V	E	A	A	P	A	U	U	G	E	C	O	V	E	A	A	U	U	A	S	A	B			

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Exhibit P-21, Production Schedule: PB 2016 Army																							Date: February 2015									
Appropriation / Budget Activity / Budget Sub Activity: 2035A / 03 / 60										P-1 Line Item Number / Title: MA9800 / Generators And Associated Equip										Item Number / Title [DODIC]: R62700 / POWER UNITS/POWER PLANTS												
Cost Elements (Units in Each)						Fiscal Year 2016													Fiscal Year 2017													
O C C #	M F R #	FY	SERVICE	PROC QTY	ACCEP T O 1 O C T 2015	BAL DUE AS OF 1 OCT	Calendar Year 2016													Calendar Year 2017												
							O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	B A L	
PP3001, two 5kW 50/60Hz, LTT																																
1		2015	ARMY	10	2	8	1	1	1	1	1	1	1	1															-			
PP3101, two 5kW 50/60Hz, M200A1																																
Prior Years Deliveries: 33																																
2		2015	ARMY	10	2	8	1	1	1	1	1	1	1	1															-			
PP3102, two 10kW 50/60Hz																																
3		2014	ARMY	10	10	-																							-			
4		2015	ARMY	45	8	37	4	4	4	4	4	4	4	3	3	3													-			
PP3105, two 30kW 50/60Hz																																
Prior Years Deliveries: 468																																
5		2015	ARMY	20	4	16	2	2	2	2	2	2	2	2															-			
PP3106, two 60kW 50/60Hz																																
6		2014	ARMY	60	60	-																							-			
7		2015	ARMY	10	2	8	1	1	1	1	1	1	1	1															-			
PU2001, 5kW 50/60Hz																																
Prior Years Deliveries: 143																																
8		2015	ARMY	381	64	317	32	32	32	32	32	32	32	31	31	31													-			
PP3003, two 15kW 50/60Hz																																
9		2014	ARMY	25	25	-																							-			
10		2015	ARMY	41	8	33	4	4	4	3	3	3	3	3	3	3													-			
PU2002, 10kW 50/60Hz																																
Prior Years Deliveries: 131																																
11		2015	ARMY	289	48	241	24	24	24	24	24	24	24	24	24	25													-			
PU2012, 10kW 400Hz																																
12		2015	ARMY	10	2	8	1	1	1	1	1	1	1	1															-			
PU2111, 15kW/400Hz																																
13		2015	ARMY	10	2	8	1	1	1	1	1	1	1	1															-			
PU2003, 15kW 50/60Hz, LTT																																
14		2014	ARMY	20	20	-																							-			
15		2015	ARMY	90	14	76	7	7	7	7	8	8	8	8	8	8													-			
PU2101, 15kW 50/60Hz, M200A1																																
16		2015	ARMY	55	10	45	5	5	5	5	5	4	4	4	4	4													-			
							O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	B A L	

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Exhibit P-21, Production Schedule: PB 2016 Army														Date: February 2015															
Appropriation / Budget Activity / Budget Sub Activity: 2035A / 03 / 60										P-1 Line Item Number / Title: MA9800 / Generators And Associated Equip										Item Number / Title [DODIC]: R62700 / POWER UNITS/POWER PLANTS									

Cost Elements <i>(Units in Each)</i>					Fiscal Year 2016												Fiscal Year 2017														
O C C O	M F R #	FY	SERVICE	PROC QTY	ACCEPT PRIOR TO 1 OCT 2015	BAL DUE AS OF 1 OCT	Calendar Year 2016												Calendar Year 2017												
							O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	B A L
PU2102, 30kW 50/60Hz																															
	17	2014	ARMY	50	50	-																									
	18	2015	ARMY	43	8	35	4	4	4	4	4	3	3	3	3	3												-			
PU2112, 30kW/400Hz																															
	19	2015	ARMY	20	4	16	2	2	2	2	2	2	1	1	1	1												-			
PU2103, 60kW 50/60Hz																															
	20	2015	ARMY	10	2	8	1	1	1	1	1	1	1	1	1													-			
PU2113, 60kW/400Hz																															
	21	2015	ARMY	5	2	3	1	1	1																			-			
							O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	B A L

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Exhibit P-21, Production Schedule: PB 2016 Army		Date: February 2015
Appropriation / Budget Activity / Budget Sub Activity: 2035A / 03 / 60		P-1 Line Item Number / Title: MA9800 / Generators And Associated Equip
		Item Number / Title [DODIC]: R62700 / POWER UNITS/POWER PLANTS

MFR Ref #	MFR Name - Location	Production Rates (Each / Month)			Procurement Leadtime (Months)								
		MSR For 2016	1-8-5 For 2016	MAX For 2016	Initial			Reorder					
					ALT Prior to Oct 1	ALT After Oct 1	Mfg PLT	Total After Oct 1	ALT Prior to Oct 1	ALT After Oct 1	Mfg PLT	Total After Oct 1	
1	TBD - TBD	500	1,400	2,800	4	4	5	9	4	4	4	5	9
2	TBD - TBD	500	1,400	2,800	4	4	5	9	4	4	4	5	9
3	Cummins Power Generation, INC - Minneapolis, MN	500	1,400	2,800	4	9	4	13	4	4	4	4	8
4	TBD - TBD	500	1,400	2,800	4	4	5	9	4	4	4	5	9
5	TBD - TBD	500	1,400	2,800	4	4	5	9	4	4	4	5	9
6	Cummins Power Generation, INC - Minneapolis, MN	500	1,400	2,800	4	9	4	13	4	4	4	4	8
7	TBD - TBD	500	1,400	2,800	4	4	5	9	4	4	4	5	9
8	TBD - TBD	500	1,400	2,800	4	4	5	9	4	4	4	5	9
9	Cummins Power Generation, INC - Minneapolis, MN	500	1,400	2,800	4	9	4	13	4	4	4	4	8
10	TBD - TBD	500	1,400	2,800	4	4	5	9	4	4	4	5	9
11	TBD - TBD	500	1,400	2,800	4	4	5	9	4	4	4	5	9
12	TBD - TBD	500	1,400	2,800	4	4	5	9	4	4	4	5	9
13	TBD - TBD	500	1,400	2,800	4	4	5	9	4	4	4	5	9
14	Cummins Power Generation, INC - Minneapolis, MN	500	1,400	2,800	4	9	4	13	4	4	4	4	8
15	TBD - TBD	500	1,400	2,800	4	4	5	9	4	4	4	5	9
16	TBD - TBD	500	1,400	2,800	4	4	5	9	4	4	4	5	9
17	Cummins Power Generation, INC - Minneapolis, MN	500	1,400	2,800	4	9	4	13	4	4	4	4	8
18	TBD - TBD	500	1,400	2,800	4	4	5	9	4	4	4	5	9
19	TBD - TBD	500	1,400	2,800	4	4	5	9	4	4	4	5	9
20	TBD - TBD	500	1,400	2,800	4	4	5	9	4	4	4	5	9
21	TBD - TBD	500	1,400	2,800	4	4	5	9	4	4	4	5	9

Remarks:
This is an integration of components delivered to the contractor which makes up the power unit/power plant. The manufacturing lead time includes the time to order and receive the generator sets, trailers, and switchboxes. All production rates are shown on a yearly basis. Manufacturer has multiple products that contribute to the minimum production rate.

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

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Exhibit P-5, Cost Analysis: PB 2016 Army		Date: February 2015
Appropriation / Budget Activity / Budget Sub Activity: 2035A / 03 / 60	P-1 Line Item Number / Title: MA9800 / Generators And Associated Equip	Item Number / Title [DODIC]: R63510 / Small Tactical Electric Power

ID Code (A=Service Ready, B=Not Service Ready) :	MDAP/MAIS Code:
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Resource Summary	Prior Years	FY 2014	FY 2015	FY 2016 Base	FY 2016 OCO	FY 2016 Total
Procurement Quantity <i>(Units in Each)</i>	-	-	-	-	-	-
Gross/Weapon System Cost <i>(\$ in Millions)</i>	-	-	-	6.280	-	6.280
Less PY Advance Procurement <i>(\$ in Millions)</i>	-	-	-	-	-	-
Net Procurement (P1) <i>(\$ in Millions)</i>	-	-	-	6.280	-	6.280
Plus CY Advance Procurement <i>(\$ in Millions)</i>	-	-	-	-	-	-
Total Obligation Authority <i>(\$ in Millions)</i>	-	-	-	6.280	-	6.280

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

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

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

Cost Elements	Prior Years			FY 2014			FY 2015			FY 2016 Base			FY 2016 OCO			FY 2016 Total		
	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)
Flyaway Cost																		
Recurring Cost																		
1. Engineering Support	-	-	-	-	-	-	-	-	-	-	-	1.810	-	-	-	-	-	1.810
6. Logistic Support	-	-	-	-	-	-	-	-	-	-	-	2.263	-	-	-	-	-	2.263
8. PM Management Support	-	-	-	-	-	-	-	-	-	-	-	2.207	-	-	-	-	-	2.207
<i>Subtotal: Recurring Cost</i>	-	-	-	-	-	-	-	-	-	-	-	6.280	-	-	-	-	-	6.280
<i>Subtotal: Flyaway Cost</i>	-	-	-	-	-	-	-	-	-	-	-	6.280	-	-	-	-	-	6.280
Gross/Weapon System Cost	-	-	-	-	-	-	-	-	-	-	-	6.280	-	-	-	-	-	6.280

Secondary Distribution	FY 2014	FY 2015	FY 2016 Base	FY 2016 OCO	FY 2016 Total
Army					
Quantity	-	-	-	-	-
Total Obligation Authority	-	-	6.280	-	6.280
Total: Secondary Distribution					
Quantity	-	-	-	-	-
Total Obligation Authority	-	-	6.280	-	6.280

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

Appropriation / Budget Activity / Budget Sub Activity: 2035A: Other Procurement, Army / BA 03: Other Support Equipment / BSA 60: Generators	P-1 Line Item Number / Title: R42501 / Tactical Electric Power Recapitalization
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ID Code (A=Service Ready, B=Not Service Ready) :	Program Elements for Code B Items:						Other Related Program Elements:					
Resource Summary	Prior Years	FY 2014	FY 2015	FY 2016 Base	FY 2016 OCO	FY 2016 Total	FY 2017	FY 2018	FY 2019	FY 2020	To Complete	Total
Procurement Quantity (Units in Each)	-	-	-	-	-	-	-	14	66	-	-	80
Gross/Weapon System Cost (\$ in Millions)	-	-	-	11.505	-	11.505	6.444	1.883	21.905	-	-	41.737
Less PY Advance Procurement (\$ in Millions)	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P1) (\$ in Millions)	-	-	-	11.505	-	11.505	6.444	1.883	21.905	-	-	41.737
Plus CY Advance Procurement (\$ in Millions)	-	-	-	-	-	-	-	-	-	-	-	-
Total Obligation Authority (\$ in Millions)	-	-	-	11.505	-	11.505	6.444	1.883	21.905	-	-	41.737

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

Initial Spares (\$ in Millions)	-	-	-	-	-	-	-	-	-	-	-	-
Flyaway Unit Cost (\$ in Thousands)	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Unit Cost (\$ in Thousands)	-	-	-	-	-	-	-	134.500	331.894	-	-	521.713

Description:

This effort supports the recapitalization of the MEP-PU-810A/B, Deployable Power Generation & Distribution System (DPGDS) Prime Power Unit (PPU). The DPGDS PPU is the U.S. Army's current prime power mobile electric power generating asset. The DPGDS PPU is a wheel-mounted, diesel engine driven, prime power (Type II), utility (Class 2A), Mode I unit that produces 840 kilowatts (kW), 4160 volts line-to-line at 60Hz and 700kW, 3800 volts line-to-line at 50Hz with an 0.8 power factor, lagging. The MEP-PU-810 has two variants, the MEP-PU-810A, a towed trailer configuration capable of being air transported by a C-130 aircraft, and the MEP-PU-810B, a 5th wheel configuration Department of Transportation (DOT) approved for over the road use at 55 miles per hour. Throughout the Department of Defense there are 165 'A' Models and 66 'B' Models supporting numerous missions, such as supporting the nation's Ballistic Missile Defense System.

Secondary Distribution		FY 2014	FY 2015	FY 2016 Base	FY 2016 OCO	FY 2016 Total	FY 2017	FY 2018	FY 2019	FY 2020
Army	Quantity	-	-	-	-	-	-	14	62	-
	Total Obligation Authority	-	-	11.505	-	11.505	6.444	1.883	20.562	-
AR	Quantity	-	-	-	-	-	-	-	4	-
	Total Obligation Authority	-	-	-	-	-	-	-	1.343	-
Total: Secondary Distribution	Quantity	-	-	-	-	-	-	14	66	-
	Total Obligation Authority	-	-	11.505	-	11.505	6.444	1.883	21.905	-

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

Appropriation / Budget Activity / Budget Sub Activity: 2035A: Other Procurement, Army / BA 03: Other Support Equipment / BSA 60: Generators	P-1 Line Item Number / Title: R42501 / Tactical Electric Power Recapitalization
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ID Code (A=Service Ready, B=Not Service Ready) :			Program Elements for Code B Items:			Other Related Program Elements:		
Exhibits Schedule			Prior Years	FY 2014	FY 2015	FY 2016 Base	FY 2016 OCO	FY 2016 Total
Title*	Exhibits	ID CD	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)
R42511 / RECAP of DPGDS (840k)	P-5		- / -	- / -	- / -	- / 11.505	- / -	- / 11.505
Total Gross/Weapon System Cost			- / -	- / -	- / -	- / 11.505	- / -	- / 11.505

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

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

Justification:
 FY16 Base procurement dollars in the amount of \$11.505 million supports the DPGDS PPU Recapitalization. A recapitalization of the existing generators is required to extend their economic useful life and to prevent a capability gap from emerging. Units currently requiring this capability include the 249th Engineer Battalion (Prime Power), the Joint Land Attack Cruise Missile Defense Elevated Netted Sensor System (JLENS), and the Missile Defense Agency/U.S. Army Space and Missile Defense Command forward based mode radar sites. This effort will streamline the logistical support requirements, capitalize on advancements in technology and afford the capability to the force for an estimated additional fifteen (15) years.

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.

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

Appropriation / Budget Activity / Budget Sub Activity: 2035A / 03 / 60	P-1 Line Item Number / Title: R42501 / Tactical Electric Power Recapitalization	Item Number / Title [DODIC]: R42511 / RECAP of DPGDS (840k)
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ID Code (A=Service Ready, B=Not Service Ready) : **MDAP/MAIS Code:**

Resource Summary	Prior Years	FY 2014	FY 2015	FY 2016 Base	FY 2016 OCO	FY 2016 Total
Procurement Quantity (Units in Each)	-	-	-	-	-	-
Gross/Weapon System Cost (\$ in Millions)	-	-	-	11.505	-	11.505
Less PY Advance Procurement (\$ in Millions)	-	-	-	-	-	-
Net Procurement (P1) (\$ in Millions)	-	-	-	11.505	-	11.505
Plus CY Advance Procurement (\$ in Millions)	-	-	-	-	-	-
Total Obligation Authority (\$ in Millions)	-	-	-	11.505	-	11.505

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

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

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

Cost Elements	Prior Years			FY 2014			FY 2015			FY 2016 Base			FY 2016 OCO			FY 2016 Total		
	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)
Flyaway Cost																		
Recurring Cost																		
Engineering Support	-	-	-	-	-	-	-	-	-	-	-	3.800	-	-	-	-	-	3.800
Engineering Change Orders	-	-	-	-	-	-	-	-	-	-	-	1.000	-	-	-	-	-	1.000
Testing	-	-	-	-	-	-	-	-	-	-	-	0.500	-	-	-	-	-	0.500
Logistics Support	-	-	-	-	-	-	-	-	-	-	-	3.800	-	-	-	-	-	3.800
Data	-	-	-	-	-	-	-	-	-	-	-	0.750	-	-	-	-	-	0.750
PM Management Support	-	-	-	-	-	-	-	-	-	-	-	1.655	-	-	-	-	-	1.655
<i>Subtotal: Recurring Cost</i>	-	-	-	-	-	-	-	-	-	-	-	11.505	-	-	-	-	-	11.505
<i>Subtotal: Flyaway Cost</i>	-	-	-	-	-	-	-	-	-	-	-	11.505	-	-	-	-	-	11.505
Gross/Weapon System Cost	-	-	-	-	-	-	-	-	-	-	-	11.505	-	-	-	-	-	11.505

Secondary Distribution	FY 2014	FY 2015	FY 2016 Base	FY 2016 OCO	FY 2016 Total
Army					
Quantity	-	-	-	-	-
Total Obligation Authority	-	-	11.505	-	11.505
Total: Secondary Distribution					
Quantity	-	-	-	-	-
Total Obligation Authority	-	-	11.505	-	11.505

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

Appropriation / Budget Activity / Budget Sub Activity: 2035A: Other Procurement, Army / BA 03: Other Support Equipment / BSA 65: Material Handling Equipment	P-1 Line Item Number / Title: M41200 / Rough Terrain Container Handler (RTCH)
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ID Code (A=Service Ready, B=Not Service Ready) :	Program Elements for Code B Items:						Other Related Program Elements:					
Resource Summary	Prior Years	FY 2014	FY 2015	FY 2016 Base	FY 2016 OCO	FY 2016 Total	FY 2017	FY 2018	FY 2019	FY 2020	To Complete	Total
Procurement Quantity (Units in Each)	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Cost (\$ in Millions)	672.183	1.250	-	-	-	-	-	-	-	-	-	673.433
Less PY Advance Procurement (\$ in Millions)	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P1) (\$ in Millions)	672.183	1.250	-	-	-	-	-	-	-	-	-	673.433
Plus CY Advance Procurement (\$ in Millions)	-	-	-	-	-	-	-	-	-	-	-	-
Total Obligation Authority (\$ in Millions)	672.183	1.250	-	-	-	-	-	-	-	-	-	673.433

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

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

Description:

The RT-240, Rough Terrain Container Handler (RTCH) moves, lifts, and stacks International Standard Organization (ISO) containers. The RT-240 operates worldwide on multiple terrains, including sand, to lift and transfer ISO containers weighing up to 53,000 pounds. The RT-240 has 4-wheel drive and is capable of fording 5 feet of salt water. The RTCH is C-5 or C-17 air transportable and can be configured in minutes from loading mode to transportation mode. Currently, the U.S. Army has over one million ISO containers in the Southwest Asia (SWA) Theater. The RTCH is the critical element in handling all of these containers. The RT-240 is equipped with an expandable 20 to 40 foot top handler capable of handling the new ISO family of 8X20 and 8X40 containers. It is capable of stacking containers three high and can reach a container in a second row. The RT-240 serves a vital need since it is necessary to stack containers in temporary storage areas, sort them by ultimate destination, and transfer the containers to appropriate modes of transport for onward movement. A single trained RTCH operator can quickly and efficiently load or unload a convoy in minutes instead of hours. This is important considering the RT-240 handles a large number of containers flowing through overseas ports, theater distribution centers, and forward support areas. The RTCH is a Joint US Army, Navy, and Marine Corps acquisition program. Foreign Military Sales (FMS) of the RTCH have included sales to the United Kingdom and Australia. The RTCH system is a Critical Dual Use (CDU) system enabling and supporting Defense Support to Civil Authorities (DSCA) operations (i.e. Disaster Relief).

Secondary Distribution		FY 2014	FY 2015	FY 2016 Base	FY 2016 OCO	FY 2016 Total	FY 2017	FY 2018	FY 2019	FY 2020
Army	Quantity	-	-	-	-	-	-	-	-	-
	Total Obligation Authority	1.250	-	-	-	-	-	-	-	-
Total: Secondary Distribution	Quantity	-	-	-	-	-	-	-	-	-
	Total Obligation Authority	1.250	-	-	-	-	-	-	-	-

Justification:

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Exhibit P-40, Budget Line Item Justification: PB 2016 Army		Date: February 2015
Appropriation / Budget Activity / Budget Sub Activity: 2035A: Other Procurement, Army / BA 03: Other Support Equipment / BSA 65: Material Handling Equipment		P-1 Line Item Number / Title: M41200 / Rough Terrain Container Handler (RTCH)
ID Code (A=Service Ready, B=Not Service Ready) :	Program Elements for Code B Items:	Other Related Program Elements:
This program has no FY 2016 Base or OCO procurement requests.		

UNCLASSIFIED

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

Appropriation / Budget Activity / Budget Sub Activity: 2035A: Other Procurement, Army / BA 03: Other Support Equipment / BSA 65: Material Handling Equipment	P-1 Line Item Number / Title: G41001 / Family Of Forklifts
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ID Code (A=Service Ready, B=Not Service Ready) :		Program Elements for Code B Items:					Other Related Program Elements:					
Resource Summary	Prior Years	FY 2014	FY 2015	FY 2016 Base	FY 2016 OCO	FY 2016 Total	FY 2017	FY 2018	FY 2019	FY 2020	To Complete	Total
Procurement Quantity (Units in Each)	48	61	146	171	107	278	173	173	174	165	Continuing	Continuing
Gross/Weapon System Cost (\$ in Millions)	601.007	8.377	14.327	17.496	10.486	27.982	17.843	18.199	18.555	17.916	Continuing	Continuing
Less PY Advance Procurement (\$ in Millions)	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P1) (\$ in Millions)	601.007	8.377	14.327	17.496	10.486	27.982	17.843	18.199	18.555	17.916	Continuing	Continuing
Plus CY Advance Procurement (\$ in Millions)	-	-	-	-	-	-	-	-	-	-	-	-
Total Obligation Authority (\$ in Millions)	601.007	8.377	14.327	17.496	10.486	27.982	17.843	18.199	18.555	17.916	Continuing	Continuing
<i>(The following Resource Summary rows are for informational purposes only. The corresponding budget requests are documented elsewhere.)</i>												
Initial Spares (\$ in Millions)	-	-	-	-	-	-	-	-	-	-	-	-
Flyaway Unit Cost (\$ in Thousands)	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Unit Cost (\$ in Thousands)	12,520.979	137.328	98.130	102.316	98.000	100.655	103.139	105.197	106.638	108.582	Continuing	Continuing

Description:

The Family of Forklifts supports various combat, combat support, and combat service support units in the loading and unloading of palletized supplies. Currently, the forklift family consists of the Light Capability Rough Terrain Forklift (LCRTF) and the All-Terrain Lifter, Army System (ATLAS).

The Light Capability Rough Terrain Forklift (LCRTF) is used to load and unload palletized supplies including ammunition from International Standard Organization (ISO) containers and tactical vehicles. The LCRTF will move supplies across the beach and rough terrain to transfer loads from aircraft landing zones and tactical vehicles. The LCRTF mission profile is 20 hours of operations in all types of environmental conditions. The LCRTF will be employed by cargo battalions, artillery units, transportation support battalions, combat service support units and various aviation units. It will be routinely in forward deployed areas with operating forces in support of combat operations other than war. The LCRTF system is a Critical Dual Use (CDU) system enabling and supporting Defense Support to Civil Authorities (DSCA) operations (i.e. Disaster Relief). It can be transported by C-130 aircraft and external sling load via CH47D helicopter. LCRT Forklift Army Acquisition Objective (AAO): 2,776 Systems. The minimum sustainment rate is 15 systems.

The All-Terrain Lifter, Army System (ATLAS) is a family of, C-130 airplane, transportable 10,000 Pound (LB) capacity variable reach rough terrain forklifts. The ATLAS primary missions include handling all classes of supply, stuffing and un-stuffing standard Army pallets in 20 foot International Standard Organization (ISO) containers, handling break-bulk cargo and loads weighing up to 10,000 LBS on Air Force 463L pallets. It is a key component to the Army's Container Oriented Distribution System which is essential to the deployment of an Expeditionary Army and sustainment of a deployed force. The ATLAS forklift mobility capabilities support all the Army's Brigade Combat Teams and units from seven branches (Transportation, Quartermaster, Ordnance, Missile & Munitions, Engineer, Aviation and Medical). Crew survivability is being addressed in accordance with the Army's Long Term Armor Strategy (LTAS). The ATLAS is a military unique vehicle. It operates in all terrains, has cross country mobility and road speed of 23 Miles per Hour (MPH). Commercial forklifts cannot meet the military requirements nor the Key Performance Parameters (KPP) identified in the ATLAS requirements document. The ATLAS is capable of performing all mission requirements and meets EPA Tier III emissions requirements, with increased reliability and survivability. The ATLAS system is a Critical Dual Use (CDU) system enabling and supporting Defense Support to Civil Authorities (DSCA) operations (i.e. Disaster Relief). The ATLAS Army Acquisition Objective (AAO) is: 4,645. The Army has procured 4,399 Systems.

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

Appropriation / Budget Activity / Budget Sub Activity: 2035A: Other Procurement, Army / BA 03: Other Support Equipment / BSA 65: Material Handling Equipment	P-1 Line Item Number / Title: G41001 / Family Of Forklifts
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ID Code (A=Service Ready, B=Not Service Ready) :		Program Elements for Code B Items:				Other Related Program Elements:				
Secondary Distribution		FY 2014	FY 2015	FY 2016 Base	FY 2016 OCO	FY 2016 Total	FY 2017	FY 2018	FY 2019	FY 2020
Army	Quantity	28	72	77	107	184	108	109	116	121
	Total Obligation Authority	5.244	7.064	7.850	10.486	18.336	11.145	11.499	12.370	13.158
ANG	Quantity	9	33	47	-	47	12	-	-	-
	Total Obligation Authority	0.871	3.199	4.818	-	4.818	1.198	-	-	-
AR	Quantity	24	41	47	-	47	53	64	58	44
	Total Obligation Authority	2.262	4.064	4.828	-	4.828	5.500	6.700	6.185	4.758
Total:	Quantity	61	146	171	107	278	173	173	174	165
Secondary Distribution	Total Obligation Authority	8.377	14.327	17.496	10.486	27.982	17.843	18.199	18.555	17.916

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

Appropriation / Budget Activity / Budget Sub Activity:
 2035A: Other Procurement, Army / BA 03: Other Support Equipment / BSA 65:
 Material Handling Equipment **P-1 Line Item Number / Title:**
 G41001 / Family Of Forklifts

ID Code (A=Service Ready, B=Not Service Ready) :			Program Elements for Code B Items:			Other Related Program Elements:		
Exhibits Schedule			Prior Years	FY 2014	FY 2015	FY 2016 Base	FY 2016 OCO	FY 2016 Total
Title*	Exhibits	ID CD	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)
G41002 / 5K LIGHT CAPABILITY ROUGH TERRAIN (LCRT) FORKLIFT	P-5, P-5a, P-21		48 / 29.695	61 / 7.517	146 / 14.327	171 / 17.496	107 / 10.486	278 / 27.982
M41800 / All Terrain Lifting Army System	P-5	A	- / 571.312	- / 0.860	- / -	- / -	- / -	- / -
Total Gross/Weapon System Cost			48 / 601.007	61 / 8.377	146 / 14.327	171 / 17.496	107 / 10.486	278 / 27.982

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

Justification:
 FY 2016 Base procurement dollars in the amount of \$17.496 million procures 171 LCRTF systems.
 FY 2016 OCO procurement dollars in the amount of \$10.486 million procures 107 LCRTF systems required to replace retrograded washouts from combat 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 military support to civil authorities.

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Exhibit P-5, Cost Analysis: PB 2016 Army		Date: February 2015
Appropriation / Budget Activity / Budget Sub Activity: 2035A / 03 / 65	P-1 Line Item Number / Title: G41001 / Family Of Forklifts	Item Number / Title [DODIC]: G41002 / 5K LIGHT CAPABILITY ROUGH TERRAIN (LCRT) FORKLIFT

ID Code (A=Service Ready, B=Not Service Ready) :	MDAP/MAIS Code:
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Resource Summary	Prior Years	FY 2014	FY 2015	FY 2016 Base	FY 2016 OCO	FY 2016 Total
Procurement Quantity (Units in Each)	48	61	146	171	107	278
Gross/Weapon System Cost (\$ in Millions)	29.695	7.517	14.327	17.496	10.486	27.982
Less PY Advance Procurement (\$ in Millions)	-	-	-	-	-	-
Net Procurement (P1) (\$ in Millions)	29.695	7.517	14.327	17.496	10.486	27.982
Plus CY Advance Procurement (\$ in Millions)	-	-	-	-	-	-
Total Obligation Authority (\$ in Millions)	29.695	7.517	14.327	17.496	10.486	27.982

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

Initial Spares (\$ in Millions)	-	-	-	-	-	-
Gross/Weapon System Unit Cost (\$ in Thousands)	618.646	123.230	98.130	102.316	98.000	100.655

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

Cost Elements	Prior Years			FY 2014			FY 2015			FY 2016 Base			FY 2016 OCO			FY 2016 Total		
	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)
Flyaway Cost																		
Recurring Cost																		
Hardware ^(†)	77.000	302	23.254	84.000	61	5.124	85.000	146	12.410	88.000	171	15.048	88.000	107	9.416	88.000	278	24.464
Engineering Changes	-	-	-	-	-	-	-	-	-	-	-	0.266	-	-	-	-	-	0.266
System Engineering/ Program Management	-	-	2.097	-	-	1.039	-	-	0.810	-	-	0.832	-	-	-	-	-	0.832
System Test and Evaluation, Production	-	-	0.695	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Data	-	-	1.048	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Support Equipment	-	-	0.117	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Fielding	-	-	2.484	-	-	1.354	-	-	1.107	-	-	1.350	-	-	1.070	-	-	2.420
Subtotal: Recurring Cost	-	-	29.695	-	-	7.517	-	-	14.327	-	-	17.496	-	-	10.486	-	-	27.982
Subtotal: Flyaway Cost	-	-	29.695	-	-	7.517	-	-	14.327	-	-	17.496	-	-	10.486	-	-	27.982
Gross/Weapon System Cost	618.646	48	29.695	123.230	61	7.517	98.130	146	14.327	102.316	171	17.496	98.000	107	10.486	100.655	278	27.982

Secondary Distribution		FY 2014	FY 2015	FY 2016 Base	FY 2016 OCO	FY 2016 Total
Army	Quantity	28	72	77	107	184
	Total Obligation Authority	4.384	7.064	7.850	10.486	18.336
ANG	Quantity	9	33	47	-	47
	Total Obligation Authority	0.871	3.199	4.818	-	4.818

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Exhibit P-5, Cost Analysis: PB 2016 Army		Date: February 2015
Appropriation / Budget Activity / Budget Sub Activity: 2035A / 03 / 65	P-1 Line Item Number / Title: G41001 / Family Of Forklifts	Item Number / Title [DODIC]: G41002 / 5K LIGHT CAPABILITY ROUGH TERRAIN (LCRT) FORKLIFT

ID Code (A=Service Ready, B=Not Service Ready) :	MDAP/MAIS Code:
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Secondary Distribution		FY 2014	FY 2015	FY 2016 Base	FY 2016 OCO	FY 2016 Total
AR	Quantity	24	41	47	-	47
	Total Obligation Authority	2.262	4.064	4.828	-	4.828
Total:	Quantity	61	146	171	107	278
Secondary Distribution	Total Obligation Authority	7.517	14.327	17.496	10.486	27.982

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

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Exhibit P-5a, Procurement History and Planning: PB 2016 Army							Date: February 2015					
Appropriation / Budget Activity / Budget Sub Activity: 2035A / 03 / 65			P-1 Line Item Number / Title: G41001 / Family Of Forklifts				Item Number / Title [DODIC]: G41002 / 5K LIGHT CAPABILITY ROUGH TERRAIN (LCRT) FORKLIFT					

Cost Elements	O C O	FY	Contractor and Location	Method/Type or Funding Vehicle	Location of PCO	Award Date	Date of First Delivery	Qty <i>(Each)</i>	Unit Cost <i>(\$ K)</i>	Specs Avail Now?	Date Revision Available	RFP Issue Date
Hardware ^(t)		2014	Kalmar RT Center / San Antonio	C / FFP	TACOM	Dec 2013	Aug 2015	61	84.000			
Hardware ^(t)		2015	Kalmar RT Center / San Antonio	C / FFP	TACOM	Dec 2014	Sep 2015	146	85.000			
Hardware ^(t)		2016	Kalmar RT Center / San Antonio	C / FFP	TACOM	Dec 2015	Aug 2016	278	88.000			

^(t) indicates the presence of a P-21

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Exhibit P-21, Production Schedule: PB 2016 Army															Date: February 2015														
Appropriation / Budget Activity / Budget Sub Activity: 2035A / 03 / 65										P-1 Line Item Number / Title: G41001 / Family Of Forklifts										Item Number / Title [DODIC]: G41002 / 5K LIGHT CAPABILITY ROUGH TERRAIN (LCRT) FORKLIFT									

Cost Elements <i>(Units in Each)</i>					Fiscal Year 2014												Fiscal Year 2015																		
O C C O	M F R #	FY	SERVICE	PROC QTY	ACCEPT PRIOR TO 1 OCT 2013	BAL DUE AS OF 1 OCT	Calendar Year 2014												Calendar Year 2015																
							O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	B A L				
Hardware																																			
Prior Years Deliveries: 302																																			
1	2014	ARMY	61	-	61			A -	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	15	15	31
1	2014	NAVY (‡)	3	-	3			A -	-	-	-	-	3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1	2014	Total	64	-	64			-	-	-	-	-	3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	15	15	31		
1	2015	ARMY	146	-	146																												5	141	
1	2016	ARMY	278	-	278																													278	

O C C O	M F R #	FY	SERVICE	PROC QTY	ACCEPT PRIOR TO 1 OCT 2013	BAL DUE AS OF 1 OCT	O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	B A L

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Exhibit P-21, Production Schedule: PB 2016 Army				Date: February 2015				
Appropriation / Budget Activity / Budget Sub Activity: 2035A / 03 / 65			P-1 Line Item Number / Title: G41001 / Family Of Forklifts				Item Number / Title [DODIC]: G41002 / 5K LIGHT CAPABILITY ROUGH TERRAIN (LCRT) FORKLIFT	

MFR Ref #	MFR Name - Location	Production Rates (Each / Month)			Procurement Leadtime (Months)							
		MSR For 2016	1-8-5 For 2016	MAX For 2016	Initial				Reorder			
					ALT Prior to Oct 1	ALT After Oct 1	Mfg PLT	Total After Oct 1	ALT Prior to Oct 1	ALT After Oct 1	Mfg PLT	Total After Oct 1
1	Kalmar RT Center - San Antonio	15	35	100	-	3	25	28	-	3	8	11

Remarks:

Production rates shown are monthly.

(‡) Delivery rows marked with this symbol indicate that they are funded through a separate Line Item. See the respective components' exhibits for details, including the full delivery schedule.

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

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

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Exhibit P-5, Cost Analysis: PB 2016 Army		Date: February 2015
Appropriation / Budget Activity / Budget Sub Activity: 2035A / 03 / 65		P-1 Line Item Number / Title: G41001 / Family Of Forklifts
		Item Number / Title [DODIC]: M41800 / All Terrain Lifting Army System

ID Code (A=Service Ready, B=Not Service Ready) : A	MDAP/MAIS Code:
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Resource Summary	Prior Years	FY 2014	FY 2015	FY 2016 Base	FY 2016 OCO	FY 2016 Total
Procurement Quantity (Units in Each)	-	-	-	-	-	-
Gross/Weapon System Cost (\$ in Millions)	571.312	0.860	-	-	-	-
Less PY Advance Procurement (\$ in Millions)	-	-	-	-	-	-
Net Procurement (P1) (\$ in Millions)	571.312	0.860	-	-	-	-
Plus CY Advance Procurement (\$ in Millions)	-	-	-	-	-	-
Total Obligation Authority (\$ in Millions)	571.312	0.860	-	-	-	-

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

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

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

Cost Elements	Prior Years			FY 2014			FY 2015			FY 2016 Base			FY 2016 OCO			FY 2016 Total		
	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)
Flyaway Cost																		
Recurring Cost																		
Hardware (ATLAS II)	155.000	2,892	448.260	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Engineering Changes	-	-	3.772	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
System Engineering/ Program Management	-	-	41.350	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
System Test and Evaluation, Production	-	-	4.014	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Training	-	-	6.500	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Data	-	-	6.415	-	-	0.860	-	-	-	-	-	-	-	-	-	-	-	-
Support Equipment	-	-	10.000	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Fielding	-	-	51.001	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
<i>Subtotal: Recurring Cost</i>	-	-	<i>571.312</i>	-	-	<i>0.860</i>	-	-	-	-	-	-	-	-	-	-	-	-
<i>Subtotal: Flyaway Cost</i>	-	-	<i>571.312</i>	-	-	<i>0.860</i>	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Cost	-	-	571.312	-	-	0.860	-	-	-	-	-	-	-	-	-	-	-	-

Secondary Distribution		FY 2014	FY 2015	FY 2016 Base	FY 2016 OCO	FY 2016 Total
Army	Quantity	-	-	-	-	-
	Total Obligation Authority	0.860	-	-	-	-
Total:	Quantity	-	-	-	-	-

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Exhibit P-5, Cost Analysis: PB 2016 Army			Date: February 2015			
Appropriation / Budget Activity / Budget Sub Activity: 2035A / 03 / 65		P-1 Line Item Number / Title: G41001 / Family Of Forklifts		Item Number / Title [DODIC]: M41800 / All Terrain Lifting Army System		
ID Code (A=Service Ready, B=Not Service Ready) : A			MDAP/MAIS Code:			
Secondary Distribution		FY 2014	FY 2015	FY 2016 Base	FY 2016 OCO	FY 2016 Total
Secondary Distribution	Total Obligation Authority	0.860	-	-	-	-

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

Appropriation / Budget Activity / Budget Sub Activity: 2035A: Other Procurement, Army / BA 03: Other Support Equipment / BSA 70: Training Equipment	P-1 Line Item Number / Title: MA6600 / Combat Training Centers Support
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ID Code (A=Service Ready, B=Not Service Ready) :			Program Elements for Code B Items:					Other Related Program Elements:				
Resource Summary	Prior Years	FY 2014	FY 2015	FY 2016 Base	FY 2016 OCO	FY 2016 Total	FY 2017	FY 2018	FY 2019	FY 2020	To Complete	Total
Procurement Quantity (<i>Units in Each</i>)	510	116	1	307	-	307	1,164	254	746	1,295	Continuing	Continuing
Gross/Weapon System Cost (<i>\$ in Millions</i>)	1,262.813	121.710	65.062	74.916	-	74.916	85.567	95.379	89.515	90.155	Continuing	Continuing
Less PY Advance Procurement (<i>\$ in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P1) (<i>\$ in Millions</i>)	1,262.813	121.710	65.062	74.916	-	74.916	85.567	95.379	89.515	90.155	Continuing	Continuing
Plus CY Advance Procurement (<i>\$ in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Total Obligation Authority (<i>\$ in Millions</i>)	1,262.813	121.710	65.062	74.916	-	74.916	85.567	95.379	89.515	90.155	Continuing	Continuing
<i>(The following Resource Summary rows are for informational purposes only. The corresponding budget requests are documented elsewhere.)</i>												
Initial Spares (<i>\$ in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Flyaway Unit Cost (<i>\$ in Thousands</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Unit Cost (<i>\$ in Thousands</i>)	2,476.104	1,049.224	65,062.000	244.026	-	244.026	73.511	375.508	119.993	69.618	Continuing	Continuing

Description:

The Combat Training Centers (CTCs) are the Army's premiere collective training centers. The CTCs provide high-fidelity Live, Virtual and Constructive (LVC) Brigade training rotations which prepare Brigade Combat Teams, Joint partners, and supporting units to deploy in support of Army Force Generation (ARFORGEN). The CTC program supports the National Training Center (NTC), the Joint Readiness Training Center (JRTC), and the Joint Multinational Readiness Center (JMRC).

The Instrumentation System (IS) is a communications, analysis and feedback system that provides a realistic operational environment for training the brigade combat team and below in preparation for deployment to conduct Unified Land Operations (ULO). It is comprised of voice, video, and data instrumentation subsystem networks that include software, hardware, work stations, base-station equipment, communications infrastructure, voice radios, data devices, and interfaces. The Instrumentation System provides the Combat Trainer (CT) critical situational awareness for training safety, analysis, and feedback capabilities to conduct After Action Reviews (AARs).

The Combat Training Center Military Operations on Urban Terrain Instrumentation System (CTC MOUT IS) includes realistic battlefield effects and targetry, and Exercise Control and After Action Review (AAR) capabilities for the collection, control, editing and presentation of training exercises at the CTCs. The AAR theater provides a multi-media environment with video replay capability to enable discussions and assessments of unit performance during exercises. Program instrumentation is fielded at the National Training Center (NTC) National Urban Warfare Center (NUWC), the Joint Readiness Training Center (JRTC), and the Joint Multination Readiness Center (JMRC). CTC MOUT IS at NTC has been fielded and is scheduled for refresh in FY16.

The Combat Training Center LIVE FIRE Modernization (CTC LIVE FIRE MOD) procures and installs Future Army System of Integrated Targets (FASIT) qualified live-fire capable targets: stationary armor targets (SAT) with accompanying battlefield effects simulators (BES); stationary infantry targets (SIT); human urban targets (HUT); double-arm SIT's; moving infantry targets (MIT); and non-FASIT qualified Aviation 3-D and Unattended Aerial Systems (UAS) targets to provide a capability for the CTCs to support the transition from Mission Rehearsal Exercise/Situational Training Exercise (MRE/ST) rotations to Unified Land Operations (ULO) against a hybrid threat.

The CTC Aviation program procures and installs instrumentation capabilities on the Light Utility Helicopter (LUH) and for the Instrumentation System (IS) to track newly fielded Light Utility Helicopters (LUH) performing Observer/Controller and Opposing Forces (OPFOR) roles at the three CTCs. The CTC Aviation program provides the capabilities to communicate with LUH organic onboard radios via the CTC ground-based Observer Controller Communications Systems (OCCS)

The OPFOR Surrogate Wheeled Vehicles (OSWV) program procures technical vehicles, unique VISMODs, and Civilian on the Battlefield Vehicles (COBVs). This capability provides for an accurate replication of OPFOR and Civilians on the Battlefield (COB) vehicle environment that rotational units must train against.

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Exhibit P-40, Budget Line Item Justification: PB 2016 Army		Date: February 2015
Appropriation / Budget Activity / Budget Sub Activity: 2035A: Other Procurement, Army / BA 03: Other Support Equipment / BSA 70: Training Equipment		P-1 Line Item Number / Title: MA6600 / Combat Training Centers Support
ID Code (A=Service Ready, B=Not Service Ready) :	Program Elements for Code B Items:	Other Related Program Elements:

Secondary Distribution		FY 2014	FY 2015	FY 2016 Base	FY 2016 OCO	FY 2016 Total	FY 2017	FY 2018	FY 2019	FY 2020
Army	Quantity	116	1	307	-	307	1,164	254	746	1,295
	Total Obligation Authority	121.710	65.062	74.916	-	74.916	85.567	95.379	89.515	90.155
Total:	Quantity	116	1	307	-	307	1,164	254	746	1,295
Secondary Distribution	Total Obligation Authority	121.710	65.062	74.916	-	74.916	85.567	95.379	89.515	90.155

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

Appropriation / Budget Activity / Budget Sub Activity: 2035A: Other Procurement, Army / BA 03: Other Support Equipment / BSA 70: Training Equipment	P-1 Line Item Number / Title: MA6600 / Combat Training Centers Support
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ID Code (A=Service Ready, B=Not Service Ready) :			Program Elements for Code B Items:			Other Related Program Elements:		
Exhibits Schedule			Prior Years	FY 2014	FY 2015	FY 2016 Base	FY 2016 OCO	FY 2016 Total
Title*	Exhibits	ID CD	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)
MA6601 / Combat Training Centers (CTC) Support	P-5, P-5a, P-21		510 / 1,262.813	116 / 121.710	1 / 65.062	307 / 74.916	- / -	307 / 74.916
Total Gross/Weapon System Cost			510 / 1,262.813	116 / 121.710	1 / 65.062	307 / 74.916	- / -	307 / 74.916

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

Justification:
 FY 2016 Base procurement dollars procure training devices and systems in support of U.S. Army Readiness to support a balanced investment strategy for the Army's approved force structure and Army Force Generation (ARFORGEN) requirements.

FY 2016 Base procurement dollars in the amount of \$57.904 million procures a Range Communications System for the Joint Readiness Training Center (JRTC) Land Expansion area and essential lifecycle activities at all three Combat Training Centers (CTCs). The current Range Communications System at the JRTC has reached end of life and can no longer be sustained beyond FY16. Funds are required to procure a voice and data communications infrastructure, software support engineering environment, range monitoring and control system, combat trainer voice communications system, and combat trainer vehicle communication system. Funding will also be used to perform essential lifecycle activities on the existing subsystems of the fielded Instrumentation Systems located at the National Training Center (NTC), Joint Readiness Training Center (JRTC), and the Joint Multinational Readiness Training Center (JMRC). These essential lifecycle activities consist of Information Technology (IT) Hardware Replacement, Continuous Technology Refresh, and Post Deployment Software Support (PDSS) to ensure that the Instrumentation System subsystems do not become obsolete and that there is a continuing evolution of system capability over the lifecycle of the Instrumentation Systems at the three Combat Training Centers (CTCs).

FY 2016 Base procurement dollars in the amount of \$12.215 million procures CTC Military Operations on Urban MOUT Instrumentation System (CTC MOUT IS) at the National Training Center (NTC), Fort Irwin, CA. Specifically, these funds will replace the Exercise Control (EXCON) Center (equipment and software) and the After Action Review (AAR) theater (equipment and software) digital video solution which will require less equipment to operate and maintain thus lowering the life cycle cost of the facilities. Also, this refresh will add the capability to input AAR footage from the MOUT Sites at the NTC directly to the brigade AAR and in the Rotational Unit take home package.

FY 2016 Base procurement dollars in the amount of \$2.784 million procures for the Combat Training Center LIVE FIRE Modernization (CTC LIVE FIRE MOD) program a portion of a company live-fire set (297 stationary armor targets (SATs)) of FASIT targets for NTC Live Fire MOD kits to replace obsolete/unsafe Hoffman Devices, and refreshes/replaces obsolete target lifters and thermal signature devices at the CTC's. The funding this year will support NTC's transition from Mission Rehearsal Exercise/Situational Training Exercise (MRE/STX) rotations to full spectrum.

FY 2016 Base procurement dollars in the amount of \$1.800 million procures Continuous Technology Refreshment (CTR) components and Post Deployment Software Support (PDSS) for CTC Aviation team support needed to maintain the life of existing Light Utility Helicopter (LUH) Tactical Engagement Simulation System (TESS) instrumentation for the Observer Controller and OPFOR aircraft at the three CTCs. May also require integration and retrofit of TESS kits on replacement Observer Controller aircraft dependent on Army aircraft redistribution plan.

FY 2016 Base procurement dollars in the amount of \$0.213 million procures government labor and travel in support of OPFOR Surrogate Wheeled Vehicles (OSWV) program.

The FY 2016 funding request was reduced for \$4.482 million to account for the availability of prior year execution balances.

All quantities support the Active Army.

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Exhibit P-5, Cost Analysis: PB 2016 Army		Date: February 2015
Appropriation / Budget Activity / Budget Sub Activity: 2035A / 03 / 70		P-1 Line Item Number / Title: MA6600 / Combat Training Centers Support
		Item Number / Title [DODIC]: MA6601 / Combat Training Centers (CTC) Support

ID Code (A=Service Ready, B=Not Service Ready) :	MDAP/MAIS Code:
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Resource Summary	Prior Years	FY 2014	FY 2015	FY 2016 Base	FY 2016 OCO	FY 2016 Total
Procurement Quantity (Units in Each)	510	116	1	307	-	307
Gross/Weapon System Cost (\$ in Millions)	1,262.813	121.710	65.062	74.916	-	74.916
Less PY Advance Procurement (\$ in Millions)	-	-	-	-	-	-
Net Procurement (P1) (\$ in Millions)	1,262.813	121.710	65.062	74.916	-	74.916
Plus CY Advance Procurement (\$ in Millions)	-	-	-	-	-	-
Total Obligation Authority (\$ in Millions)	1,262.813	121.710	65.062	74.916	-	74.916

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

Initial Spares (\$ in Millions)	-	-	-	-	-	-
Gross/Weapon System Unit Cost (\$ in Thousands)	2,476.104	1,049.224	65,062.000	244.026	-	244.026

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

Cost Elements	Prior Years			FY 2014			FY 2015			FY 2016 Base			FY 2016 OCO			FY 2016 Total		
	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)
Flyaway Cost																		
Recurring Cost																		
IS: Range Communication System (RCS) ^(†)	-	-	1,145.054	62,748.000	1	62.748	43,551.000	1	43.551	25,000.000	1	25.000	-	-	-	25,000.000	1	25.000
IS: In-House Govt/Contract Spt	-	-	5.352	-	-	5.498	-	-	6.100	-	-	7.303	-	-	-	-	-	7.303
IS: Essential Lifecycle Activities	-	-	44.163	-	-	41.615	-	-	15.411	-	-	25.601	-	-	-	-	-	25.601
CTC MOUT IS Instrumentation ^(†)	-	-	19.077	881.333	9	7.932	-	-	-	1,199.222	9	10.793	-	-	-	1,199.222	9	10.793
CTC MOUT IS In-House Govt/Contract Spt	-	-	3.118	-	-	1.016	-	-	-	-	-	1.422	-	-	-	-	-	1.422
OPFOR WEAPONS (MBT, OSV & SLM) kits	14.581	626	9.128	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
OPFOR Weapons In-House Govt/Contract Spt	-	-	1.848	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
OPFOR Vehicle In-House Govt	-	-	-	-	-	-	-	-	-	-	-	0.213	-	-	-	-	-	0.213
CTC LIVE FIRE MOD Kits ^(†)	-	-	7.523	7.698	106	0.816	-	-	-	8.101	297	2.406	-	-	-	8.101	297	2.406

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Exhibit P-5, Cost Analysis: PB 2016 Army		Date: February 2015
Appropriation / Budget Activity / Budget Sub Activity: 2035A / 03 / 70	P-1 Line Item Number / Title: MA6600 / Combat Training Centers Support	Item Number / Title [DODIC]: MA6601 / Combat Training Centers (CTC) Support
ID Code (A=Service Ready, B=Not Service Ready) :		MDAP/MAIS Code:

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

Cost Elements	Prior Years			FY 2014			FY 2015			FY 2016 Base			FY 2016 OCO			FY 2016 Total		
	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)
CTC LIVE FIRE In-House Govt/Contract Spt	-	-	0.870	-	-	0.308	-	-	-	-	-	0.378	-	-	-	-	-	0.378
CTC Aviation Shootback Kits	2,012.083	12	24.145	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
CTC Aviation: In-House Govt/Contract Spt	-	-	2.535	-	-	1.777	-	-	-	-	-	1.800	-	-	-	-	-	1.800
<i>Subtotal: Recurring Cost</i>	-	-	1,262.813	-	-	121.710	-	-	65.062	-	-	74.916	-	-	-	-	-	74.916
<i>Subtotal: Flyaway Cost</i>	-	-	1,262.813	-	-	121.710	-	-	65.062	-	-	74.916	-	-	-	-	-	74.916
Gross/Weapon System Cost	2,476.104	510	1,262.813	1,049.224	116	121.710	65,062.000	1	65.062	244.026	307	74.916	-	-	-	244.026	307	74.916

Secondary Distribution		FY 2014	FY 2015	FY 2016 Base	FY 2016 OCO	FY 2016 Total
Army	Quantity	116	1	307	-	307
	Total Obligation Authority	121.710	65.062	74.916	-	74.916
Total:	Quantity	116	1	307	-	307
Secondary Distribution	Total Obligation Authority	121.710	65.062	74.916	-	74.916

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

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Exhibit P-5a, Procurement History and Planning: PB 2016 Army								Date: February 2015				
Appropriation / Budget Activity / Budget Sub Activity: 2035A / 03 / 70			P-1 Line Item Number / Title: MA6600 / Combat Training Centers Support					Item Number / Title [DODIC]: MA6601 / Combat Training Centers (CTC) Support				
Cost Elements	O C O	FY	Contractor and Location	Method/Type or Funding Vehicle	Location of PCO	Award Date	Date of First Delivery	Qty (Each)	Unit Cost (\$ K)	Specs Avail Now?	Date Revision Available	RFP Issue Date
IS: Range Communication System (RCS) ^(†)		2014	Northrop Grumman Tech Services / Herndon, VA	C / FFP	PEO STRI, Orlando, FL	Aug 2014	Aug 2015	1	62,748.000	N		
IS: Range Communication System (RCS) ^(†)		2015	Northrop Grumman Tech Services / Herndon, VA	C / FFP	PEO STRI, Orlando, FL	Mar 2015	Mar 2016	1	43,551.000	N		
IS: Range Communication System (RCS) ^(†)		2016	Northrop Grumman Tech Services / Herndon, VA	C / FFP	PEO STRI, Orlando, FL	Jan 2016	Jan 2017	1	25,000.000	N		
CTC MOUT IS Instrumentation ^(†)		2014	Lockheed Martin Simulation Tra / Orlando, FI	C / FFP	PEO STRI, Orlando, FL	May 2014	May 2015	9	881.333	N		
CTC MOUT IS Instrumentation ^(†)		2016	Lockheed Martin Simulation Tra / Orlando, FI	C / FFP	PEO STRI, Orlando, FL	May 2016	May 2017	9	1,199.222	N		
CTC LIVE FIRE MOD Kits ^(†)		2014	General Dynamics C4S / Orlando, FL	C / IDIQ	PEO STRI, Orlando, FL	Sep 2014	Dec 2014	106	7.698	N		
CTC LIVE FIRE MOD Kits ^(†)		2016	TBS (CTC LF) / TBS	C / IDIQ	PEO STRI, Orlando, FL	Mar 2016	Jun 2016	297	8.101	N		

^(†) indicates the presence of a P-21

Remarks:
PEO STRI = Program Executive Office for Simulation, Training and Instrumentation
LMSTS = Lockheed Martin Simulation Training Systems

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Exhibit P-21, Production Schedule: PB 2016 Army		Date: February 2015
Appropriation / Budget Activity / Budget Sub Activity: 2035A / 03 / 70		P-1 Line Item Number / Title: MA6600 / Combat Training Centers Support
		Item Number / Title [DODIC]: MA6601 / Combat Training Centers (CTC) Support

MFR Ref #	MFR Name - Location	Production Rates (Each / Month)			Procurement Leadtime (Months)							
		MSR For 2016	1-8-5 For 2016	MAX For 2016	Initial				Reorder			
					ALT Prior to Oct 1	ALT After Oct 1	Mfg PLT	Total After Oct 1	ALT Prior to Oct 1	ALT After Oct 1	Mfg PLT	Total After Oct 1
1	Northrop Grumman Tech Services - Herndon, VA	1	1	1	-	10	13	23	-	3	13	16
2	Lockheed Martin Simulation Tra - Orlando, Fl	1	3	9	-	7	13	20	-	7	13	20
3	General Dynamics C4S - Orlando, FL	1	305	533	-	11	4	15	-	5	4	9
4	TBS (CTC LF) - TBS	1	305	533	-	5	4	9	-	5	4	9

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

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

Service/Agency Suffixes:

- (XXXVIII) BASE
- (XXXIX) BASE
- (XL) BASE
- (XLI) BASE
- (XLII) BASE
- (XLIII) BASE
- (XLIV) BASE

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

Appropriation / Budget Activity / Budget Sub Activity: 2035A: Other Procurement, Army / BA 03: Other Support Equipment / BSA 70: Training Equipment	P-1 Line Item Number / Title: NA0100 / Training Devices, Nonsystem
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ID Code (A=Service Ready, B=Not Service Ready) :			Program Elements for Code B Items: 0654715A					Other Related Program Elements:				
Resource Summary	Prior Years	FY 2014	FY 2015	FY 2016 Base	FY 2016 OCO	FY 2016 Total	FY 2017	FY 2018	FY 2019	FY 2020	To Complete	Total
Procurement Quantity (Units in Each)	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Cost (\$ in Millions)	2,716.598	215.428	106.295	303.236	-	303.236	243.908	203.786	207.265	228.094	Continuing	Continuing
Less PY Advance Procurement (\$ in Millions)	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P1) (\$ in Millions)	2,716.598	215.428	106.295	303.236	-	303.236	243.908	203.786	207.265	228.094	Continuing	Continuing
Plus CY Advance Procurement (\$ in Millions)	-	-	-	-	-	-	-	-	-	-	-	-
Total Obligation Authority (\$ in Millions)	2,716.598	215.428	106.295	303.236	-	303.236	243.908	203.786	207.265	228.094	Continuing	Continuing
<i>(The following Resource Summary rows are for informational purposes only. The corresponding budget requests are documented elsewhere.)</i>												
Initial Spares (\$ in Millions)	-	-	-	-	-	-	-	-	-	-	-	-
Flyaway Unit Cost (\$ in Thousands)	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Unit Cost (\$ in Thousands)	-	-	-	8.611	-	8.611	-	-	-	-	Continuing	Continuing

Description:

The Army continues to build on a major initiative with the Non-System Training Device (NSTD) program to introduce realistic and effective training devices into the individual and unit training setting. These devices bring into play many aspects of the combat environment (smoke, noise, confusion, stress, etc.), which provide our Soldiers with a valuable experience of battlefield conditions in a training environment. This effort includes the acquisition of training capabilities that support force-on-force training, force-on-target training, engagement simulation, and classroom instruction. Devices and simulations are being fielded to minimize resource consumption which will affect a direct cost reduction through conservation of energy and ammunition. These devices provide capabilities that allow Soldiers, leaders, and units to train tasks and missions that would be unsafe or too resource intensive to conduct with actual weapons, weapons systems, and ammunitions or if done in the actual environment. This budget line supports all Other Procurement, Army (OPA) funding for Non-System Training Devices (NSTD). It procures a variety of NSTD items such as the Home Station Instrumentation Training System (HITS), Live, Virtual, Constructive Integrating Architecture (LVC-IA), Army Targetry System (ATS), Digital Range Training System (DRTS), and Integrated Military Operations in Urbanized Terrain (MOUT) Training System (IMTS).

Secondary Distribution		FY 2014	FY 2015	FY 2016 Base	FY 2016 OCO	FY 2016 Total	FY 2017	FY 2018	FY 2019	FY 2020
Army	Quantity	-	-	-	-	-	-	-	-	-
	Total Obligation Authority	181.989	91.652	248.825	-	248.825	205.464	179.916	177.255	184.286
ANG	Quantity	-	-	-	-	-	-	-	-	-
	Total Obligation Authority	27.193	10.175	28.085	-	28.085	27.866	6.986	24.840	34.053
AR	Quantity	-	-	-	-	-	-	-	-	-
	Total Obligation Authority	6.246	4.468	26.326	-	26.326	10.578	16.884	5.170	9.755
Total:	Quantity	-	-	-	-	-	-	-	-	-
Secondary Distribution	Total Obligation Authority	215.428	106.295	303.236	-	303.236	243.908	203.786	207.265	228.094

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

Appropriation / Budget Activity / Budget Sub Activity:
2035A: Other Procurement, Army / BA 03: Other Support Equipment / BSA 70: Training Equipment

P-1 Line Item Number / Title:
NA0100 / Training Devices, Nonsystem

Exhibits Schedule			Prior Years	FY 2014	FY 2015	FY 2016 Base	FY 2016 OCO	FY 2016 Total
Title*	Exhibits	ID CD	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)
NA0101 / NSTD Soldier Training Support Program (STSP)	P-5, P-5a, P-21	A	- / 167.743	- / 33.050	- / 33.304	- / 65.627	- / -	- / 65.627
NA0102 / NSTD INTELLIGENCE	P-5, P-5a	A	- / 29.133	- / -	- / 2.746	- / 3.797	- / -	- / 3.797
NA0103 / NSTD COMMAND & CONTROL	P-5, P-5a	A	- / 339.145	- / 18.067	- / 27.427	- / 47.573	- / -	- / 47.573
NA0105 / NSTD RANGES AND TARGETS	P-5, P-5a, P-21	A	- / 1,288.506	- / 45.189	- / 15.851	- / 57.336	- / -	- / 57.336
NA0106 / NSTD Battle Command Training Center Support Prg	P-5, P-5a		- / 315.248	- / 15.278	- / 17.312	- / 14.262	- / -	- / 14.262
NA0116 / NSTD- MILES	P-5, P-5a, P-21		- / 173.215	- / 94.151	- / -	- / 102.587	- / -	- / 102.587
NA0121 / NSTD - LVC ARCHITECTURE	P-5, P-5a, P-21		- / 41.728	- / 9.693	- / 9.655	- / 12.054	- / -	- / 12.054
Total Gross/Weapon System Cost			- / 2,716.598	- / 215.428	- / 106.295	- / 303.236	- / -	- / 303.236

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

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

Justification:

FY 2016 Base procurement dollars in the amount of \$30.422 million procures 2 Home Station Instrumentation Training Systems (HITS) for fielding to Home Stations in accordance with HQDA fielding priorities.

FY 2016 Base procurement dollars in the amount of \$7.025 million procures post deployment software support for the Joint Pacific Multinational Readiness Capability-Instrumentation System (JPMRC-IS) located at Schofield Barracks, HI.

FY 2016 Base procurement dollars in the amount of \$5.886 million will upgrade 28 Call for Fire Trainer IIs, and provide for the start of an integration effort to incorporate additional capabilities to improve the training of precision fires and to incorporate capability to interoperate with the Integrated Training Environment (ITE) by FY17. The use of the CFFT III maximizes and enhances live training. CFFT is used for total recertification of Joint Fires Observers (JFO) reducing time and cost while enabling readiness.

FY 2016 Base procurement dollars in the amount of \$7.766 million will provide (42) Multiple Amputee Trauma Trainer (MATT) concurrency upgrades. The combat casualty care techniques learned from the MATT are directly linked to a survival rate increase from extremity hemorrhage exsanguinations – one of the three main preventable causes of death in the battlefield. (21) Part Task Trainers and (117) High Fidelity Tetherless Mannequins will be procured. (2) Retrofits and upgrades to the Medical Validation Lanes to improve training of tactical combat casualty care in a realistic battlefield-like environment.

FY 2016 Base procurement dollars in the amount of \$14.528 million will upgrade 454 EST, and provide for weapons optics integration. The EST II enables readiness and enhances live training; the EST is identified as an acceptable substitute for night and chemical, biological, radiological, nuclear and explosives. Units without assigned weapons are authorized to use the EST II for qualification per regulations.

FY 2016 Base procurement dollars in the amount of \$3.797 million support the procurement of two TCCs, consisting of commercial-off-the-shelf hardware and Interim Contractor Support for two installation to support Army intelligence corps training and readiness. The IEWTPT program will continue engineering for product improvements in FY 2016.

FY 2016 Base procurement dollars in the amount of \$47.573 million procures COTS hardware, software, training and PDSS to support JLCCTC. This will enable continued efficient training support from the current systems and facilities, then transition these facilities to the objective simulation systems.

FY 2016 Base procurement dollars in the amount of \$22.055 million procures for the Army Targetry Systems (ATS) program computerized live fire Armor and Infantry training ranges to the Army, USAR, and ARNG installations to ensure soldier readiness. These ranges will replace existing ranges with new technology and increase throughput capability by providing additional ranges. Readiness of soldiers is critical

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Exhibit P-40, Budget Line Item Justification: PB 2016 Army		Date: February 2015
Appropriation / Budget Activity / Budget Sub Activity: 2035A: Other Procurement, Army / BA 03: Other Support Equipment / BSA 70: Training Equipment		P-1 Line Item Number / Title: NA0100 / Training Devices, Nonsystem
ID Code (A=Service Ready, B=Not Service Ready) :	Program Elements for Code B Items: 0654715A	Other Related Program Elements:
<p>to saving lives in wartime situations. Training ranges being provided will enhance the quality of training at installations. Accurate feedback to soldiers on training with battlefield conditions helps them learn procedures and techniques that will save lives and achieve success on the battlefield.</p> <p>FY 2016 Base procurement dollars in the amount of \$19.220 million procures for the Digital Range Training System (DRTS) program; labor, travel, Camp Ripley Scout Reece, Post Deployment Software Support (PDSS), Continuous Technology Refreshment (CTR) for Fort Bliss Digital Multi Purpose Training Range (DMPTR), Information Assurance (IA) and Aviation Integration.</p> <p>FY 2016 Base procurement dollars in the amount of \$12.633 million procures for the Integrated Military Operations in Urban Terrain (MOUT) Training System (IMTS) program, in-house government support, and Continuous Technology Refreshment (CTR) of aging CACTF and Shoot House systems that exceed 7 years since initial fielding.</p> <p>FY 2016 Base procurement dollars in the amount of \$3.428 million procures Target Modernization which provides a single Government owned common target control system for all Army targets and small arms ranges, this also includes, Continuous Technology Refreshment (CTR), Post Deployment Software Support (PDSS), Future Army System of Integrated Targets (FASIT) Technology Refreshment/Maturation, updates to Targetry Range Automated Control and Recording (TRACR) Legacy Range and Device Adapters and in-house government and contract support. The Target Modernization program provides solutions to upgrade existing ranges to common standards.</p> <p>FY 2016 Base procurement dollars in the amount of \$14.262 million procures commercial-off-the-shelf (COTS) training enablers for the Mission Command Training Centers which include the network infrastructure upgrade, DoD Information Assurance Certification and Accreditation Process (DIACAP) and Electronic Security System (ESS). These systems enable initial, sustainment and pre-deployment digital training as well as reach back capability for deployed units.</p> <p>FY16 Base procurement dollars in the amount of \$102.587 million procures Instrumentable-Multiple Integrated Laser Engagement System (I-MILES) and replaces the obsolete Basic MILES, and MILES XXI at various installations Army wide. Both Basic MILES and MILES XXI are reaching the end of their life cycle in which they are not economical to repair and sustain. I-MILES Devices are to be fielded as either Brigade Combat Team (BCT) or battalion sets that can be integrated into the Live-Virtual-Constructive Integrated Architecture (LVC-IA) as a component of the full training environment.</p> <p>FY 2016 Base procurement dollars in the amount of \$3.014 million procures for the CTIA program required infrastructure, core lab facility, PDSS and Technology Refresh for the LT2, Family of Training Systems (FTS), and the LVC-ITE.</p> <p>FY 2016 Base procurement dollars in the amount of \$9.040 million procures the Live, Virtual, Constructive Integrating Architecture (LVC-IA) associated hardware and software, Post Deployment Software Support (PDSS), installation fielding team, installation team travel, initial spares, version upgrades, tech refresh and New Equipment Training (NET) at three new training facilities. The LVC-IA provides the infrastructure to enable the Army to utilize the Live, Virtual, and Constructive training enablers and devices in the Army's Integrated Training Environment (ITE).</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>		

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Exhibit P-5, Cost Analysis: PB 2016 Army		Date: February 2015
Appropriation / Budget Activity / Budget Sub Activity: 2035A / 03 / 70		P-1 Line Item Number / Title: NA0100 / Training Devices, Nonsystem
		Item Number / Title [DODIC]: NA0101 / NSTD Soldier Training Support Program (STSP)

ID Code (A=Service Ready, B=Not Service Ready) : A	MDAP/MAIS Code:
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Resource Summary	Prior Years	FY 2014	FY 2015	FY 2016 Base	FY 2016 OCO	FY 2016 Total
Procurement Quantity (Units in Each)	-	-	-	-	-	-
Gross/Weapon System Cost (\$ in Millions)	167.743	33.050	33.304	65.627	-	65.627
Less PY Advance Procurement (\$ in Millions)	-	-	-	-	-	-
Net Procurement (P1) (\$ in Millions)	167.743	33.050	33.304	65.627	-	65.627
Plus CY Advance Procurement (\$ in Millions)	-	-	-	-	-	-
Total Obligation Authority (\$ in Millions)	167.743	33.050	33.304	65.627	-	65.627

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

Initial Spares (\$ in Millions)	-	-	-	-	-	-
Gross/Weapon System Unit Cost (\$ in Thousands)	-	-	-	98.539	-	98.539

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

Cost Elements	Prior Years			FY 2014			FY 2015			FY 2016 Base			FY 2016 OCO			FY 2016 Total		
	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)
Flyaway Cost																		
Recurring Cost																		
EST - Five Lane Subsystem/Refresh ^(†)	-	-	5.201	31.293	167	5.226	-	-	-	30.874	454	14.017	-	-	-	30.874	454	14.017
EST In-house/ Contractor Support	-	-	120.164	-	-	2.446	-	-	-	-	-	0.511	-	-	-	-	-	0.511
EST Devices	-	-	10.810	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
CFFT (Various Configurations) ^(†)	-	-	13.637	-	-	-	-	-	-	76.643	28	2.146	-	-	-	76.643	28	2.146
CFFT Initial Spares	-	-	0.626	-	-	-	-	-	-	-	-	0.107	-	-	-	-	-	0.107
CFFT Concurrence/ PDSS	-	-	-	-	-	0.426	-	-	-	-	-	2.498	-	-	-	-	-	2.498
CFFT In-house/ Contractor Support	-	-	6.503	-	-	0.672	-	-	-	-	-	1.135	-	-	-	-	-	1.135
HITS version 3 ^(†)	-	-	-	7,546.000	2	15.092	-	-	-	-	-	-	-	-	-	-	-	-
HITS version 4 ^(†)	-	-	-	-	-	-	7,893.300	3	23.680	6,250.000	2	12.500	-	-	-	6,250.000	2	12.500
HITS Engineering Change Proposal	-	-	-	-	-	-	-	-	-	-	-	5.950	-	-	-	-	-	5.950
HITS Concurrence	-	-	-	-	-	-	-	-	-	-	-	3.646	-	-	-	-	-	3.646
HITS PDSS/CTR	-	-	0.191	-	-	3.213	-	-	5.175	-	-	5.349	-	-	-	-	-	5.349
HITS In-House/ Contractor Spt	-	-	7.983	-	-	2.548	-	-	2.244	-	-	2.977	-	-	-	-	-	2.977

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Exhibit P-5, Cost Analysis: PB 2016 Army		Date: February 2015
Appropriation / Budget Activity / Budget Sub Activity: 2035A / 03 / 70		P-1 Line Item Number / Title: NA0100 / Training Devices, Nonsystem
		Item Number / Title [DODIC]: NA0101 / NSTD Soldier Training Support Program (STSP)
ID Code (A=Service Ready, B=Not Service Ready) : A		MDAP/MAIS Code:

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

Cost Elements	Prior Years			FY 2014			FY 2015			FY 2016 Base			FY 2016 OCO			FY 2016 Total		
	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)
JPMRC-IS In-House/ Contractor Spt	-	-	-	-	-	-	-	-	0.617	-	-	0.658	-	-	-	-	-	0.658
JPMRC-IS PDSS/CTR	-	-	-	-	-	1.892	-	-	1.588	-	-	6.367	-	-	-	-	-	6.367
MSTC In-house/ Contractor Support	-	-	1.525	-	-	1.525	-	-	-	-	-	1.775	-	-	-	-	-	1.775
MSTC Training Support Systems ^(t)	-	-	1.103	0.476	21	0.010	-	-	-	-	-	-	-	-	-	-	-	-
MSTC MATT Concurrency ^(t)	-	-	-	-	-	-	-	-	-	32.929	42	1.383	-	-	-	32.929	42	1.383
MSTC Validation Lanes ^(t)	-	-	-	-	-	-	-	-	-	33.000	2	0.066	-	-	-	33.000	2	0.066
MSTC Part Task Trainers ^(t)	-	-	-	-	-	-	-	-	-	32.905	21	0.691	-	-	-	32.905	21	0.691
MSTC High Fidelity Tetherless Mannequin ^(t)	-	-	-	-	-	-	-	-	-	32.915	117	3.851	-	-	-	32.915	117	3.851
<i>Subtotal: Recurring Cost</i>	-	-	167.743	-	-	33.050	-	-	33.304	-	-	65.627	-	-	-	-	-	65.627
<i>Subtotal: Flyaway Cost</i>	-	-	167.743	-	-	33.050	-	-	33.304	-	-	65.627	-	-	-	-	-	65.627
Gross/Weapon System Cost	-	-	167.743	-	-	33.050	-	-	33.304	98.539	-	65.627	-	-	-	98.539	-	65.627

Secondary Distribution		FY 2014	FY 2015	FY 2016 Base	FY 2016 OCO	FY 2016 Total
Army	Quantity	-	-	-	-	-
	Total Obligation Authority	26.176	33.304	44.477	-	44.477
ANG	Quantity	-	-	-	-	-
	Total Obligation Authority	6.028	-	4.329	-	4.329
AR	Quantity	-	-	-	-	-
	Total Obligation Authority	0.846	-	16.821	-	16.821
Total: Secondary Distribution	Quantity	-	-	-	-	-
	Total Obligation Authority	33.050	33.304	65.627	-	65.627

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

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Exhibit P-5a, Procurement History and Planning: PB 2016 Army								Date: February 2015				
Appropriation / Budget Activity / Budget Sub Activity: 2035A / 03 / 70			P-1 Line Item Number / Title: NA0100 / Training Devices, Nonsystem					Item Number / Title [DODIC]: NA0101 / NSTD Soldier Training Support Program (STSP)				
Cost Elements	O C O	FY	Contractor and Location	Method/Type or Funding Vehicle	Location of PCO	Award Date	Date of First Delivery	Qty (Each)	Unit Cost (\$ K)	Specs Avail Now?	Date Revision Available	RFP Issue Date
EST - Five Lane Subsystem/ Refresh ^(†)		2014	Meggitt Training Systems, Inc / Suwanee, GA	C / FFP	PEO STRI, Orlando, FL	Jun 2014	Apr 2016	167	31.293	N		
EST - Five Lane Subsystem/ Refresh ^(†)		2016	Meggitt Training Systems, Inc / Suwanee, GA	C / FFP	PEO STRI, Orlando, FL	Apr 2016	Jan 2017	454	30.874	N		
CFFT (Various Configurations) ^(†)		2016	Nova Technologies / Panama City, FL	C / FFP	PEO STRI, Orlando, FL	Apr 2016	Dec 2016	28	76.643	N		
HITS version 3 ^(†)		2014	EHS/SAAB / Orlando, FL	C / FFP	PEO STRI, Orlando, FL	May 2014	Jan 2015	2	7,546.000	N		
HITS version 4 ^(†)		2015	Cubic Simulation Systems / Orlando, FL	C / FFP	PEO STRI, Orlando, FL	May 2015	Nov 2015	3	7,893.300	N		
HITS version 4 ^(†)		2016	Cubic Simulation Systems / Orlando, FL	C / FFP	PEO STRI, Orlando, FL	Jan 2016	Aug 2016	2	6,250.000	N		
MSTC Training Support Systems		2014	TBS (MSTC) / TBS	C / FFP	PEO STRI, Orlando, FL	Jun 2014	Jul 2014	21	0.476	N		
MSTC MATT Concurrency		2016	TBS (MSTC) MATT / TBS	C / FFP	PEO STRI, Orlando, FL	Jan 2016	Feb 2016	42	32.929	N		
MSTC Validation Lanes		2016	TBS (MSTC) Validation Lanes / TBS	C / FFP	PEO STRI, Orlando, FL	Mar 2016	Jul 2016	2	33.000	N		
MSTC Part Task Trainers		2016	TBS (MSTC) / TBS	C / FFP	PEO STRI, Orlando, FL	Jun 2016	Jul 2016	21	32.905	N		
MSTC High Fidelity Tetherless Mannequin		2016	TBS (MSTC) / TBS	C / FFP	PEO STRI, Orlando, FL	Jun 2016	Jul 2016	117	32.915	N		

^(†) indicates the presence of a P-21

Remarks:

PEO STRI = Program Executive Office for Simulation, Training and Instrumentation

MSTC - All items are COTS.

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Exhibit P-21, Production Schedule: PB 2016 Army															Date: February 2015														
Appropriation / Budget Activity / Budget Sub Activity: 2035A / 03 / 70										P-1 Line Item Number / Title: NA0100 / Training Devices, Nonsystem										Item Number / Title [DODIC]: NA0101 / NSTD Soldier Training Support Program (STSP)									

Cost Elements <i>(Units in Thousands)</i>					Fiscal Year 2016															Fiscal Year 2017																
O C C O	M F R #	FY	SERVICE	PROC QTY	ACCEPT PRIOR TO 1 OCT 2015	BAL DUE AS OF 1 OCT	Calendar Year 2016															Calendar Year 2017														
							O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	B A L					
EST - Five Lane Subsystem/Refresh																																				
	1	2014	ARMY	.167	-	.167	-	-	-	-	-	-	-	.001	-	-	-	-	.023	.023	.023	.023	.023	.025	.026										-	
	1	2016	ARMY	.454	-	.454								A -	-	-	-	-	-	-	-	.025	.025	.025	.025	.025	.025	.025	.025	.025	.025	.025	.025	.025	.229	
CFFT (Various Configurations)																																				
	2	2016	ARMY	.028	-	.028								A -	-	-	-	-	-	-	.004	.004	.004	.004	.004	.004	.004	.004	.004	.004					-	
HITS version 3																																				
	3	2014	ARMY	.002	.002	-																														-
HITS version 4																																				
	4	2015	ARMY	.003	-	.003	-	.001	-	-	-	.001	-	-	.001																					-
	4	2016	ARMY	.002	-	.002								A -	-	-	-	-	-	-	-	-	-	-	.002										-	
							O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	B A L					

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Exhibit P-21, Production Schedule: PB 2016 Army		Date: February 2015
Appropriation / Budget Activity / Budget Sub Activity: 2035A / 03 / 70		P-1 Line Item Number / Title: NA0100 / Training Devices, Nonsystem
		Item Number / Title [DODIC]: NA0101 / NSTD Soldier Training Support Program (STSP)

MFR Ref #	MFR Name - Location	Production Rates (Each / Month)			Procurement Leadtime (Months)							
		MSR For 2016	1-8-5 For 2016	MAX For 2016	Initial				Reorder			
					ALT Prior to Oct 1	ALT After Oct 1	Mfg PLT	Total After Oct 1	ALT Prior to Oct 1	ALT After Oct 1	Mfg PLT	Total After Oct 1
1	Meggitt Training Systems, Inc - Suwanee, GA	10	400	600	-	6	10	16	-	6	10	16
2	Nova Technologies - Panama City, FL	1	48	120	-	6	9	15	-	6	9	15
3	EHS/SAAB - Orlando, FL	1	3	5	-	7	9	16	-	7	7	14
4	Cubic Simulation Systems - Orlando, FL	1	3	5	-	7	7	14	-	3	8	11

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

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

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

Appropriation / Budget Activity / Budget Sub Activity: 2035A / 03 / 70	P-1 Line Item Number / Title: NA0100 / Training Devices, Nonsystem	Item Number / Title [DODIC]: NA0102 / NSTD INTELLIGENCE
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ID Code (A=Service Ready, B=Not Service Ready) : A **MDAP/MAIS Code:**

Resource Summary	Prior Years	FY 2014	FY 2015	FY 2016 Base	FY 2016 OCO	FY 2016 Total
Procurement Quantity (Units in Each)	-	-	-	-	-	-
Gross/Weapon System Cost (\$ in Millions)	29.133	-	2.746	3.797	-	3.797
Less PY Advance Procurement (\$ in Millions)	-	-	-	-	-	-
Net Procurement (P1) (\$ in Millions)	29.133	-	2.746	3.797	-	3.797
Plus CY Advance Procurement (\$ in Millions)	-	-	-	-	-	-
Total Obligation Authority (\$ in Millions)	29.133	-	2.746	3.797	-	3.797

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

Initial Spares (\$ in Millions)	-	-	-	-	-	-
Gross/Weapon System Unit Cost (\$ in Thousands)	-	-	-	1,898.500	-	1,898.500

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

Cost Elements	Prior Years			FY 2014			FY 2015			FY 2016 Base			FY 2016 OCO			FY 2016 Total		
	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)
Flyaway Cost																		
Recurring Cost																		
IEWTPT TCC ^(†)	864.875	8	6.919	-	-	-	469.000	1	0.469	469.000	2	0.938	-	-	-	469.000	2	0.938
IEWTPT HCC	32.482	85	2.761	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
IEWTPT TCC - Retrofit	267.000	1	0.267	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Engineering for Product Improvement	-	-	14.838	-	-	-	-	-	1.020	-	-	1.150	-	-	-	-	-	1.150
Interim Contractor Support	-	-	2.642	-	-	-	-	-	0.450	-	-	0.900	-	-	-	-	-	0.900
Program Management	-	-	1.706	-	-	-	-	-	0.807	-	-	0.809	-	-	-	-	-	0.809
<i>Subtotal: Recurring Cost</i>	-	-	29.133	-	-	-	-	-	2.746	-	-	3.797	-	-	-	-	-	3.797
<i>Subtotal: Flyaway Cost</i>	-	-	29.133	-	-	-	-	-	2.746	-	-	3.797	-	-	-	-	-	3.797
Gross/Weapon System Cost	-	-	29.133	-	-	-	-	-	2.746	1,898.500	-	3.797	-	-	-	1,898.500	-	3.797

Secondary Distribution		FY 2014	FY 2015	FY 2016 Base	FY 2016 OCO	FY 2016 Total
Army	Quantity	-	-	-	-	-
	Total Obligation Authority	-	-	3.797	-	3.797
ANG	Quantity	-	-	-	-	-
	Total Obligation Authority	-	2.746	-	-	-
Total:	Quantity	-	-	-	-	-

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Exhibit P-5, Cost Analysis: PB 2016 Army			Date: February 2015			
Appropriation / Budget Activity / Budget Sub Activity: 2035A / 03 / 70		P-1 Line Item Number / Title: NA0100 / Training Devices, Nonsystem		Item Number / Title [DODIC]: NA0102 / NSTD INTELLIGENCE		
ID Code (A=Service Ready, B=Not Service Ready) : A			MDAP/MAIS Code:			
Secondary Distribution		FY 2014	FY 2015	FY 2016 Base	FY 2016 OCO	FY 2016 Total
Secondary Distribution	Total Obligation Authority	-	2.746	3.797	-	3.797

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

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

Appropriation / Budget Activity / Budget Sub Activity: 2035A / 03 / 70	P-1 Line Item Number / Title: NA0100 / Training Devices, Nonsystem	Item Number / Title [DODIC]: NA0102 / NSTD INTELLIGENCE
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Cost Elements	O C O	FY	Contractor and Location	Method/Type or Funding Vehicle	Location of PCO	Award Date	Date of First Delivery	Qty <i>(Each)</i>	Unit Cost <i>(\$ K)</i>	Specs Avail Now?	Date Revision Available	RFP Issue Date
IEWTPT TCC		2015	TBS / TBS	C / FFP	PEO STRI, Orlando, FL	Mar 2015	Sep 2015	1	469.000	Y		
IEWTPT TCC		2016	TBS / TBS	C / FFP	PEO STRI, Orlando, FL	Jun 2016	Sep 2016	2	469.000	Y		

Remarks:
A future IEWTPT system contract, scheduled for award in 3rd Quarter 2016, will continue the production (using Commercial, Off-the-Shelf (COTS) items), integration, fielding, training, hardware/software updates, and exercise support of the IEWTPT system. Software version releases are planned, as well as engineering for product improvement releases.

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Exhibit P-5, Cost Analysis: PB 2016 Army													Date: February 2015					
Appropriation / Budget Activity / Budget Sub Activity: 2035A / 03 / 70						P-1 Line Item Number / Title: NA0100 / Training Devices, Nonsystem						Item Number / Title [DODIC]: NA0103 / NSTD COMMAND & CONTROL						
ID Code (A=Service Ready, B=Not Service Ready) : A									MDAP/MAIS Code:									
Resource Summary				Prior Years		FY 2014		FY 2015		FY 2016 Base		FY 2016 OCO		FY 2016 Total				
Procurement Quantity (Units in Each)				-		-		-		-		-		-				
Gross/Weapon System Cost (\$ in Millions)				339.145		18.067		27.427		47.573		-		47.573				
Less PY Advance Procurement (\$ in Millions)				-		-		-		-		-		-				
Net Procurement (P1) (\$ in Millions)				339.145		18.067		27.427		47.573		-		47.573				
Plus CY Advance Procurement (\$ in Millions)				-		-		-		-		-		-				
Total Obligation Authority (\$ in Millions)				339.145		18.067		27.427		47.573		-		47.573				
<i>(The following Resource Summary rows are for informational purposes only. The corresponding budget requests are documented elsewhere.)</i>																		
Initial Spares (\$ in Millions)				-		-		-		-		-		-				
Gross/Weapon System Unit Cost (\$ in Thousands)				-		-		-		5,946.625		-		5,946.625				
Note: Subtotals or Totals in this Exhibit P-5 may not be exact or add, due to rounding.																		
Cost Elements	Prior Years			FY 2014			FY 2015			FY 2016 Base			FY 2016 OCO			FY 2016 Total		
	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)
Flyaway Cost																		
Recurring Cost																		
DIV/Hub ^(†)	19,962.929	14	279.481	923.143	7	6.462	1,271.000	6	7.626	1,173.111	9	10.558	-	-	-	1,173.111	9	10.558
Spoke ^(†)	4,019.000	5	20.095	807.750	4	3.231	1,204.000	5	6.020	1,198.000	4	4.792	-	-	-	1,198.000	4	4.792
Common Hardware Platform Refresh	-	-	3.794	-	-	4.579	-	-	3.149	-	-	10.215	-	-	-	-	-	10.215
Program Management	-	-	13.506	-	-	1.395	-	-	1.342	-	-	1.358	-	-	-	-	-	1.358
Post Deployment Software Support (PDSS)	-	-	22.269	-	-	2.400	-	-	9.290	-	-	10.383	-	-	-	-	-	10.383
Pre-Planned Product Improvement (P3I)	-	-	-	-	-	-	-	-	-	-	-	10.267	-	-	-	-	-	10.267
<i>Subtotal: Recurring Cost</i>	-	-	339.145	-	-	18.067	-	-	27.427	-	-	47.573	-	-	-	-	-	47.573
<i>Subtotal: Flyaway Cost</i>	-	-	339.145	-	-	18.067	-	-	27.427	-	-	47.573	-	-	-	-	-	47.573
Gross/Weapon System Cost	-	-	339.145	-	-	18.067	-	-	27.427	5,946.625	-	47.573	-	-	-	5,946.625	-	47.573
Secondary Distribution							FY 2014		FY 2015		FY 2016 Base		FY 2016 OCO		FY 2016 Total			
Army	Quantity						-		-		-		-		-			
	Total Obligation Authority						15.400		20.099		35.633		-		35.633			
ANG	Quantity						-		-		-		-		-			

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Exhibit P-5, Cost Analysis: PB 2016 Army		Date: February 2015
Appropriation / Budget Activity / Budget Sub Activity: 2035A / 03 / 70	P-1 Line Item Number / Title: NA0100 / Training Devices, Nonsystem	Item Number / Title [DODIC]: NA0103 / NSTD COMMAND & CONTROL

ID Code (A=Service Ready, B=Not Service Ready) : A		MDAP/MAIS Code:				
Secondary Distribution		FY 2014	FY 2015	FY 2016 Base	FY 2016 OCO	FY 2016 Total
	Total Obligation Authority	1.685	3.827	7.102	-	7.102
AR	Quantity	-	-	-	-	-
	Total Obligation Authority	0.982	3.501	4.838	-	4.838
Total:	Quantity	-	-	-	-	-
Secondary Distribution	Total Obligation Authority	18.067	27.427	47.573	-	47.573

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

UNCLASSIFIED

Exhibit P-5a, Procurement History and Planning: PB 2016 Army							Date: February 2015					
Appropriation / Budget Activity / Budget Sub Activity: 2035A / 03 / 70			P-1 Line Item Number / Title: NA0100 / Training Devices, Nonsystem				Item Number / Title [DODIC]: NA0103 / NSTD COMMAND & CONTROL					
Cost Elements	O C O	FY	Contractor and Location	Method/Type or Funding Vehicle	Location of PCO	Award Date	Date of First Delivery	Qty <i>(Each)</i>	Unit Cost <i>(\$ K)</i>	Specs Avail Now?	Date Revision Available	RFP Issue Date
DIV/Hub		2014	General Dynamics / Fairfax, VA	C / FFP	PEO STRI, Orlando, FL	Jan 2014	Feb 2014	7	923.143	N		
DIV/Hub		2015	General Dynamics / Fairfax, VA	C / FFP	PEO STRI, Orlando, FL	Feb 2015	Feb 2015	6	1,271.000	N		
DIV/Hub		2016	TBS / TBS	C / FFP	PEO STRI, Orlando, FL	Feb 2016	Feb 2016	9	1,173.111	N		
Spoke		2014	General Dynamics / Fairfax, VA	C / FFP	PEO STRI, Orlando, FL	Feb 2014	Mar 2014	4	807.750	N		
Spoke		2015	General Dynamics / Fairfax, VA	C / FFP	PEO STRI, Orlando, FL	Feb 2015	Feb 2015	5	1,204.000	N		
Spoke		2016	TBS / TBS	C / FFP	PEO STRI, Orlando, FL	Feb 2016	Feb 2016	4	1,198.000	N		

Remarks:
Items are COTS.

UNCLASSIFIED

Exhibit P-5, Cost Analysis: PB 2016 Army		Date: February 2015
Appropriation / Budget Activity / Budget Sub Activity: 2035A / 03 / 70		P-1 Line Item Number / Title: NA0100 / Training Devices, Nonsystem
		Item Number / Title [DODIC]: NA0105 / NSTD RANGES AND TARGETS

ID Code (A=Service Ready, B=Not Service Ready) : A	MDAP/MAIS Code:
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Resource Summary	Prior Years	FY 2014	FY 2015	FY 2016 Base	FY 2016 OCO	FY 2016 Total
Procurement Quantity (Units in Each)	-	-	-	-	-	-
Gross/Weapon System Cost (\$ in Millions)	1,288.506	45.189	15.851	57.336	-	57.336
Less PY Advance Procurement (\$ in Millions)	-	-	-	-	-	-
Net Procurement (P1) (\$ in Millions)	1,288.506	45.189	15.851	57.336	-	57.336
Plus CY Advance Procurement (\$ in Millions)	-	-	-	-	-	-
Total Obligation Authority (\$ in Millions)	1,288.506	45.189	15.851	57.336	-	57.336

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

Initial Spares (\$ in Millions)	-	-	-	-	-	-
Gross/Weapon System Unit Cost (\$ in Thousands)	-	-	-	7,167.000	-	7,167.000

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

Cost Elements	Prior Years			FY 2014			FY 2015			FY 2016 Base			FY 2016 OCO			FY 2016 Total		
	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)
Flyaway Cost																		
Recurring Cost																		
ATS Hardware ^(†)	-	-	27.820	1,081.000	9	9.729	-	-	-	2,946.000	7	20.622	-	-	-	2,946.000	7	20.622
Interim Logistic Support	-	-	13.832	-	-	0.649	-	-	0.305	-	-	0.735	-	-	-	-	-	0.735
ATS Engineering Support	-	-	5.467	-	-	0.247	-	-	0.249	-	-	0.250	-	-	-	-	-	0.250
Quality Assurance	-	-	4.409	-	-	0.226	-	-	0.232	-	-	0.233	-	-	-	-	-	0.233
Contracting Support	-	-	-	-	-	0.200	-	-	0.214	-	-	0.215	-	-	-	-	-	0.215
AWSS Engineering Support	-	-	1.883	-	-	0.210	-	-	-	-	-	-	-	-	-	-	-	-
DRTS Complex ^(†)	-	-	1,192.521	9,580.000	2	19.160	-	-	-	8,570.000	1	8.570	-	-	-	8,570.000	1	8.570
DRTS In-house gov't & contractor support	-	-	23.778	-	-	3.383	-	-	3.434	-	-	3.524	-	-	-	-	-	3.524
DRTS PDSS	-	-	1.423	-	-	0.918	-	-	1.336	-	-	0.688	-	-	-	-	-	0.688
DRTS CTR	-	-	-	-	-	-	-	-	-	-	-	4.716	-	-	-	-	-	4.716
DRTS Information Assurance (IA)	-	-	-	-	-	-	-	-	0.507	-	-	0.727	-	-	-	-	-	0.727
DRTS Aviation Integration	-	-	-	-	-	-	-	-	2.067	-	-	0.995	-	-	-	-	-	0.995
IMTS CTR	-	-	-	-	-	-	-	-	5.764	-	-	10.758	-	-	-	-	-	10.758
IMTS CTF ^(†)	-	-	-	2,067.000	3	6.201	-	-	-	-	-	-	-	-	-	-	-	-

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Exhibit P-5, Cost Analysis: PB 2016 Army		Date: February 2015
Appropriation / Budget Activity / Budget Sub Activity: 2035A / 03 / 70	P-1 Line Item Number / Title: NA0100 / Training Devices, Nonsystem	Item Number / Title [DODIC]: NA0105 / NSTD RANGES AND TARGETS
ID Code (A=Service Ready, B=Not Service Ready) : A		MDAP/MAIS Code:

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

Cost Elements	Prior Years			FY 2014			FY 2015			FY 2016 Base			FY 2016 OCO			FY 2016 Total		
	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)
IMTS In-house gov't & contractor support	-	-	7.263	-	-	1.944	-	-	1.743	-	-	1.875	-	-	-	-	-	1.875
Target Modernization	-	-	9.465	-	-	1.510	-	-	-	-	-	2.539	-	-	-	-	-	2.539
Target Modernization In-House Gov't sup	-	-	0.645	-	-	0.812	-	-	-	-	-	0.889	-	-	-	-	-	0.889
<i>Subtotal: Recurring Cost</i>	-	-	<i>1,288.506</i>	-	-	<i>45.189</i>	-	-	<i>15.851</i>	-	-	<i>57.336</i>	-	-	-	-	-	<i>57.336</i>
<i>Subtotal: Flyaway Cost</i>	-	-	<i>1,288.506</i>	-	-	<i>45.189</i>	-	-	<i>15.851</i>	-	-	<i>57.336</i>	-	-	-	-	-	<i>57.336</i>
Gross/Weapon System Cost	-	-	1,288.506	-	-	45.189	-	-	15.851	7,167.000	-	57.336	-	-	-	7,167.000	-	57.336

Secondary Distribution		FY 2014	FY 2015	FY 2016 Base	FY 2016 OCO	FY 2016 Total
Army	Quantity	-	-	-	-	-
	Total Obligation Authority	23.870	15.851	37.439	-	37.439
ANG	Quantity	-	-	-	-	-
	Total Obligation Authority	17.592	-	16.257	-	16.257
AR	Quantity	-	-	-	-	-
	Total Obligation Authority	3.727	-	3.640	-	3.640
Total: Secondary Distribution	Quantity	-	-	-	-	-
	Total Obligation Authority	45.189	15.851	57.336	-	57.336

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

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Exhibit P-5a, Procurement History and Planning: PB 2016 Army								Date: February 2015				
Appropriation / Budget Activity / Budget Sub Activity: 2035A / 03 / 70			P-1 Line Item Number / Title: NA0100 / Training Devices, Nonsystem					Item Number / Title [DODIC]: NA0105 / NSTD RANGES AND TARGETS				
Cost Elements	O C O	FY	Contractor and Location	Method/Type or Funding Vehicle	Location of PCO	Award Date	Date of First Delivery	Qty <i>(Each)</i>	Unit Cost <i>(\$ K)</i>	Specs Avail Now?	Date Revision Available	RFP Issue Date
ATS Hardware ^(†)		2014	TBS (ATS HW) / TBS	C / IDIQ	TACOM-RI	Feb 2014	Jul 2014	9	1,081.000	N		
ATS Hardware ^(†)		2016	TBS (ATS HW) / TBS	C / IDIQ	TACOM-RI	Feb 2016	Jul 2016	7	2,946.000	N		
DRTS Complex ^(†)		2014	Lockheed Martin (DRTS) / Orlando, FL 32825	C / FFP	PEO STRI, Orlando, FL	Jul 2014	Jul 2015	2	9,580.000	N		
DRTS Complex ^(†)		2016	Lockheed Martin (DRTS) / Orlando, FL 32825	C / FFP	PEO STRI, Orlando, FL	Jun 2016	Jun 2017	1	8,570.000	N		
IMTS CTF ^(†)		2014	Lockheed Martin (IMTS) / Orlando, FL 32825	C / FFP	PEO STRI, Orlando, FL	May 2014	Jan 2015	3	2,067.000	N		

^(†) indicates the presence of a P-21

Remarks:

* ATS contractors are Meggitt Defense Systems-Caswell, Minneapolis, MN; Action Target, Provo, UT; SAAB, Orlando, FL; Lockheed-Martin, Huntsville, AL; and Strategic Systems Inc., Decatur, AL. Long term IDIQ contracts have been negotiated with all five sources. Contract awards will be made in some combination to some or all of these sources.

PEO STRI = Program Executive Office for Simulation, Training and Instrumentation

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Exhibit P-21, Production Schedule: PB 2016 Army																							Date: February 2015									
Appropriation / Budget Activity / Budget Sub Activity: 2035A / 03 / 70											P-1 Line Item Number / Title: NA0100 / Training Devices, Nonsystem											Item Number / Title [DODIC]: NA0105 / NSTD RANGES AND TARGETS										
Cost Elements <i>(Units in Thousands)</i>						Fiscal Year 2016											Fiscal Year 2017															
O C C O	M F R #	FY	SERVICE	PROC QTY	ACCEPT PRIOR TO 1 OCT 2015	BAL DUE AS OF 1 OCT	Calendar Year 2016											Calendar Year 2017														
							O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	B A L	
ATS Hardware																																
	1	2014	ARMY	.009	.009	-																										
	1	2016	ARMY	.007	-	.007																										
DRTS Complex																																
	2	2014	ARMY (XLV)	.002	.002	-																										
	2	2016	ARMY (XLVI)	.001	-	.001																										
IMTS CTF																																
	3	2014	ARMY (XLVII)	.003	.003	-																										
							O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	B A L	

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Exhibit P-21, Production Schedule: PB 2016 Army		Date: February 2015
Appropriation / Budget Activity / Budget Sub Activity: 2035A / 03 / 70		P-1 Line Item Number / Title: NA0100 / Training Devices, Nonsystem
		Item Number / Title [DODIC]: NA0105 / NSTD RANGES AND TARGETS

MFR Ref #	MFR Name - Location	Production Rates (Each / Month)			Procurement Leadtime (Months)							
		MSR For 2016	1-8-5 For 2016	MAX For 2016	Initial				Reorder			
					ALT Prior to Oct 1	ALT After Oct 1	Mfg PLT	Total After Oct 1	ALT Prior to Oct 1	ALT After Oct 1	Mfg PLT	Total After Oct 1
1	TBS (ATS HW) - TBS	1	48	120	-	4	6	10	-	4	6	10
2	Lockheed Martin (DRTS) - Orlando, FL 32825	1	15	25	-	9	13	22	-	8	13	21
3	Lockheed Martin (IMTS) - Orlando, FL 32825	1	15	25	-	7	9	16	-	-	-	-

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

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

Service/Agency Suffixes:

- (XLV) BASE
- (XLVI) BASE
- (XLVII) 2014

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Exhibit P-5, Cost Analysis: PB 2016 Army		Date: February 2015
Appropriation / Budget Activity / Budget Sub Activity: 2035A / 03 / 70		P-1 Line Item Number / Title: NA0100 / Training Devices, Nonsystem
		Item Number / Title [DODIC]: NA0106 / NSTD Battle Command Training Center Support Prg

ID Code (A=Service Ready, B=Not Service Ready) :	MDAP/MAIS Code:
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Resource Summary	Prior Years	FY 2014	FY 2015	FY 2016 Base	FY 2016 OCO	FY 2016 Total
Procurement Quantity (Units in Each)	-	-	-	-	-	-
Gross/Weapon System Cost (\$ in Millions)	315.248	15.278	17.312	14.262	-	14.262
Less PY Advance Procurement (\$ in Millions)	-	-	-	-	-	-
Net Procurement (P1) (\$ in Millions)	315.248	15.278	17.312	14.262	-	14.262
Plus CY Advance Procurement (\$ in Millions)	-	-	-	-	-	-
Total Obligation Authority (\$ in Millions)	315.248	15.278	17.312	14.262	-	14.262

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

Initial Spares (\$ in Millions)	-	-	-	-	-	-
Gross/Weapon System Unit Cost (\$ in Thousands)	-	-	-	679.143	-	679.143

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

Cost Elements	Prior Years			FY 2014			FY 2015			FY 2016 Base			FY 2016 OCO			FY 2016 Total		
	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)
Flyaway Cost																		
Recurring Cost																		
MCTC Furniture, Fixture & Equipment ^(†)	315,248.000	1	315.248	3,428.500	2	6.857	3,585.000	1	3.585	-	-	-	-	-	-	-	-	-
Furniture, Fixtures & Equipment Refresh ^(†)	-	-	-	399.500	4	1.598	440.000	4	1.760	441.000	4	1.764	-	-	-	441.000	4	1.764
Mission Command Equipment - Hardware ^(†)	-	-	-	-	-	-	715.000	7	5.005	716.000	6	4.296	-	-	-	716.000	6	4.296
Battlefield Visualization ^(†)	-	-	-	-	-	-	-	-	-	267.000	3	0.801	-	-	-	267.000	3	0.801
DIACAP ^(†)	-	-	-	1,124.500	4	4.498	1,470.000	4	5.880	1,471.000	4	5.884	-	-	-	1,471.000	4	5.884
ESS Services ^(†)	-	-	-	850.000	2	1.700	214.000	2	0.428	215.250	4	0.861	-	-	-	215.250	4	0.861
Program Management	-	-	-	-	-	0.625	-	-	0.654	-	-	0.656	-	-	-	-	-	0.656
<i>Subtotal: Recurring Cost</i>	-	-	315.248	-	-	15.278	-	-	17.312	-	-	14.262	-	-	-	-	-	14.262
<i>Subtotal: Flyaway Cost</i>	-	-	315.248	-	-	15.278	-	-	17.312	-	-	14.262	-	-	-	-	-	14.262
Gross/Weapon System Cost	-	-	315.248	-	-	15.278	-	-	17.312	679.143	-	14.262	-	-	-	679.143	-	14.262

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

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Exhibit P-5, Cost Analysis: PB 2016 Army		Date: February 2015
Appropriation / Budget Activity / Budget Sub Activity: 2035A / 03 / 70	P-1 Line Item Number / Title: NA0100 / Training Devices, Nonsystem	Item Number / Title [DODIC]: NA0106 / NSTD Battle Command Training Center Support Prg

ID Code (A=Service Ready, B=Not Service Ready) :		MDAP/MAIS Code:				
Secondary Distribution		FY 2014	FY 2015	FY 2016 Base	FY 2016 OCO	FY 2016 Total
	Total Obligation Authority	12.699	12.743	12.838	-	12.838
ANG	Quantity	-	-	-	-	-
	Total Obligation Authority	1.888	3.602	0.397	-	0.397
AR	Quantity	-	-	-	-	-
	Total Obligation Authority	0.691	0.967	1.027	-	1.027
Total:	Quantity	-	-	-	-	-
Secondary Distribution	Total Obligation Authority	15.278	17.312	14.262	-	14.262

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

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Exhibit P-5a, Procurement History and Planning: PB 2016 Army								Date: February 2015				
Appropriation / Budget Activity / Budget Sub Activity: 2035A / 03 / 70			P-1 Line Item Number / Title: NA0100 / Training Devices, Nonsystem					Item Number / Title [DODIC]: NA0106 / NSTD Battle Command Training Center Support Prg				
Cost Elements	O C O	FY	Contractor and Location	Method/Type or Funding Vehicle	Location of PCO	Award Date	Date of First Delivery	Qty <i>(Each)</i>	Unit Cost <i>(\$ K)</i>	Specs Avail Now?	Date Revision Available	RFP Issue Date
MCTC Furniture, Fixture & Equipment		2014	General Dynamics / Fairfax, VA 22030	C / FFP	PEO STRI, Orlando, FL	Jan 2014	Aug 2014	2	3,428.500	N		
MCTC Furniture, Fixture & Equipment		2015	General Dynamics / Fairfax, VA 22030	C / FFP	PEO STRI, Orlando, FL	Jan 2015	Feb 2015	1	3,585.000	N		
Furniture, Fixtures & Equipment Refresh		2014	General Dynamics / Fairfax, VA 22030	C / FFP	PEO STRI, Orlando, FL	Mar 2014	May 2014	4	399.500	N		
Furniture, Fixtures & Equipment Refresh		2015	General Dynamics / Fairfax, VA 22030	C / FFP	PEO STRI, Orlando, FL	Mar 2015	May 2015	4	440.000	N		
Furniture, Fixtures & Equipment Refresh		2016	TBS / TBS	C / FFP	PEO STRI, Orlando, FL	Mar 2016	Jun 2016	4	441.000	N		
Mission Command Equipment - Hardware		2015	General Dynamics / Fairfax, VA 22030	C / FFP	PEO STRI, Orlando, FL	Jan 2015	Apr 2015	7	715.000	N		
Mission Command Equipment - Hardware		2016	TBS / TBS	C / FFP	PEO STRI, Orlando, FL	Mar 2016	Jun 2016	6	716.000	N		
Battlefield Visualization		2015	General Dynamics / Fairfax, VA 22030	C / FFP	PEO STRI, Orlando, FL	Jan 2015	Apr 2015	-	-	N		
Battlefield Visualization		2016	TBS / TBS	C / FFP	PEO STRI, Orlando, FL	Mar 2016	Jun 2016	3	267.000	N		
DIACAP		2014	General Dynamics / Fairfax, VA 22030	C / FFP	PEO STRI, Orlando, FL	Jan 2014	Aug 2014	4	1,124.500	N		
DIACAP		2015	General Dynamics / Fairfax, VA 22030	C / FFP	PEO STRI, Orlando, FL	Jan 2015	Apr 2015	4	1,470.000	N		
DIACAP		2016	TBS / TBS	C / FFP	PEO STRI, Orlando, FL	Mar 2016	Jun 2016	4	1,471.000	N		
ESS Services		2014	General Dynamics / Fairfax, VA 22030	C / FFP	PEO STRI, Orlando, FL	Jan 2014	Aug 2014	2	850.000	N		
ESS Services		2015	General Dynamics / Fairfax, VA 22030	C / FFP	PEO STRI, Orlando, FL	Mar 2015	Jun 2015	2	214.000	N		
ESS Services		2016	TBS / TBS	C / FFP	PEO STRI, Orlando, FL	Mar 2016	Jun 2016	4	215.250	N		
Remarks: Items are COTS												

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Exhibit P-5, Cost Analysis: PB 2016 Army						Date: February 2015			
Appropriation / Budget Activity / Budget Sub Activity: 2035A / 03 / 70				P-1 Line Item Number / Title: NA0100 / Training Devices, Nonsystem			Item Number / Title [DODIC]: NA0116 / NSTD- MILES		
ID Code (A=Service Ready, B=Not Service Ready) :						MDAP/MAIS Code:			
Resource Summary				Prior Years	FY 2014	FY 2015	FY 2016 Base	FY 2016 OCO	FY 2016 Total
Procurement Quantity (Units in Each)				-	-	-	-	-	-
Gross/Weapon System Cost (\$ in Millions)				173.215	94.151	-	102.587	-	102.587
Less PY Advance Procurement (\$ in Millions)				-	-	-	-	-	-
Net Procurement (P1) (\$ in Millions)				173.215	94.151	-	102.587	-	102.587
Plus CY Advance Procurement (\$ in Millions)				-	-	-	-	-	-
Total Obligation Authority (\$ in Millions)				173.215	94.151	-	102.587	-	102.587
<i>(The following Resource Summary rows are for informational purposes only. The corresponding budget requests are documented elsewhere.)</i>									
Initial Spares (\$ in Millions)				-	-	-	-	-	-
Gross/Weapon System Unit Cost (\$ in Thousands)				-	-	-	2.973	-	2.973

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

Cost Elements	Prior Years			FY 2014			FY 2015			FY 2016 Base			FY 2016 OCO			FY 2016 Total		
	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)
Flyaway Cost																		
Recurring Cost																		
MILES Individual Weapon System (IWS) ^(†)	-	-	173.215	2.000	22,705	45.410	-	-	-	1.700	33,000	56.100	-	-	-	1.700	33,000	56.100
MILES Tactical Vehicle System (TVS) ^(†)	-	-	-	7.400	1,501	11.107	-	-	-	-	-	-	-	-	-	-	-	-
I-MILES Vehicle TESS (V-TESS) ^(†)	-	-	-	-	-	-	-	-	-	11.400	568	6.475	-	-	-	11.400	568	6.475
MILES CVTESS ^(†)	-	-	-	24.500	585	14.333	-	-	-	27.100	936	25.366	-	-	-	27.100	936	25.366
MILES Tech Refresh	-	-	-	-	-	5.345	-	-	-	-	-	1.222	-	-	-	-	-	1.222
MILES In House Government Support	-	-	-	-	-	6.760	-	-	-	-	-	6.481	-	-	-	-	-	6.481
MILES Contractor Engineering Support	-	-	-	-	-	2.596	-	-	-	-	-	2.400	-	-	-	-	-	2.400
MILES ECPs	-	-	-	-	-	7.000	-	-	-	-	-	4.543	-	-	-	-	-	4.543
MILES Initial Spares	-	-	-	-	-	1.600	-	-	-	-	-	-	-	-	-	-	-	-
<i>Subtotal: Recurring Cost</i>	-	-	<i>173.215</i>	-	-	<i>94.151</i>	-	-	-	-	-	<i>102.587</i>	-	-	-	-	-	<i>102.587</i>
<i>Subtotal: Flyaway Cost</i>	-	-	<i>173.215</i>	-	-	<i>94.151</i>	-	-	-	-	-	<i>102.587</i>	-	-	-	-	-	<i>102.587</i>
Gross/Weapon System Cost	-	-	173.215	-	-	94.151	-	-	-	2.973	-	102.587	-	-	-	2.973	-	102.587

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

Appropriation / Budget Activity / Budget Sub Activity: 2035A / 03 / 70	P-1 Line Item Number / Title: NA0100 / Training Devices, Nonsystem	Item Number / Title [DODIC]: NA0116 / NSTD- MILES
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ID Code (A=Service Ready, B=Not Service Ready) :	MDAP/MAIS Code:
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Secondary Distribution		FY 2014	FY 2015	FY 2016 Base	FY 2016 OCO	FY 2016 Total
Army	Quantity	-	-	-	-	-
	Total Obligation Authority	94.151	-	102.587	-	102.587
Total:	Quantity	-	-	-	-	-
Secondary Distribution	Total Obligation Authority	94.151	-	102.587	-	102.587

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

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

Appropriation / Budget Activity / Budget Sub Activity: 2035A / 03 / 70	P-1 Line Item Number / Title: NA0100 / Training Devices, Nonsystem	Item Number / Title [DODIC]: NA0116 / NSTD- MILES
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Cost Elements	O C O	FY	Contractor and Location	Method/Type or Funding Vehicle	Location of PCO	Award Date	Date of First Delivery	Qty <i>(Each)</i>	Unit Cost <i>(\$ K)</i>	Specs Avail Now?	Date Revision Available	RFP Issue Date
MILES Individual Weapon System (IWS) ^(†)		2014	Cubic Defense Sys. (IWS) / San Diego, CA	C / FFP	PEO STRI, Orlando, FL	Oct 2014	Apr 2015	22,705	2.000	N		
MILES Individual Weapon System (IWS) ^(†)		2016	Cubic Defense Sys. (IWS) / San Diego, CA	C / FFP	PEO STRI, Orlando, FL	Jan 2016	Apr 2016	33,000	1.700	N		
MILES Tactical Vehicle System (TVS) ^(†)		2014	Cubic Defense Sys. (TVS) / Orlando, FL	C / FFP	PEO STRI, Orlando, FL	Oct 2014	Nov 2015	1,501	7.400	N		
I-MILES Vehicle TESS (V-TESS) ^(†)		2016	TBS (V-TESS) / TBS	C / FFP	PEO STRI, Orlando, FL	Jun 2016	Mar 2018	568	11.400	N		
MILES CVTESS ^(†)		2014	SAAB Training USA LLC (CVTESS) / Orlando, FL	C / FFP	PEO STRI, Orlando, FL	Apr 2014	Dec 2014	585	24.500	N		
MILES CVTESS ^(†)		2016	SAAB Training USA LLC (CVTESS) / Orlando, FL	C / FFP	PEO STRI, Orlando, FL	Mar 2016	Nov 2016	936	27.100	N		

^(†) indicates the presence of a P-21

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

Appropriation / Budget Activity / Budget Sub Activity: 2035A / 03 / 70	P-1 Line Item Number / Title: NA0100 / Training Devices, Nonsystem	Item Number / Title [DODIC]: NA0116 / NSTD- MILES
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Cost Elements <i>(Units in Thousands)</i>				Fiscal Year 2016												Fiscal Year 2017															
O C C O	M F R #	FY	SERVICE	PROC QTY	ACCEPT PRIOR TO 1 OCT 2015	BAL DUE AS OF 1 OCT	Calendar Year 2016												Calendar Year 2017												B A L
							O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	
MILES Individual Weapon System (IWS)																															
	1	2014	ARMY	22.705	10.100	12.605	2.100	2.100	2.100	2.100	2.100	2.105																	-		
	1	2016	ARMY	33.000	-	33.000				A -	-	-	2.750	2.750	2.750	2.750	2.750	2.750	2.750	2.750	2.750	2.750	2.750	2.750	2.750	2.750	2.750		-		
MILES Tactical Vehicle System (TVS)																															
	2	2014	ARMY	1.501	-	1.501	-	.155	.306	.306	.428	.306																	-		
I-MILES Vehicle TESS (V-TESS)																															
	3	2016	ARMY	.568	-	.568									A -	-	-	-	-	-	-	-	-	-	-	-	-	-	.568		
MILES CVTESS																															
	4	2014	ARMY	.585	.585	-																							-		
	4	2016	ARMY	.936	-	.936						A -	-	-	-	-	-	-	-	-	.500	.436						-			
							O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	B A L

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

Appropriation / Budget Activity / Budget Sub Activity: 2035A / 03 / 70	P-1 Line Item Number / Title: NA0100 / Training Devices, Nonsystem	Item Number / Title [DODIC]: NA0116 / NSTD- MILES
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MFR Ref #	MFR Name - Location	Production Rates (Each / Month)			Procurement Leadtime (Months)							
		MSR For 2016	1-8-5 For 2016	MAX For 2016	Initial				Reorder			
					ALT Prior to Oct 1	ALT After Oct 1	Mfg PLT	Total After Oct 1	ALT Prior to Oct 1	ALT After Oct 1	Mfg PLT	Total After Oct 1
1	Cubic Defense Sys. (IWS) - San Diego, CA	400	33,000	35,000	-	-	7	7	-	3	4	7
2	Cubic Defense Sys. (TVS) - Orlando, FL	500	2,350	5,700	-	-	14	14	-	-	-	-
3	TBS (V-TESS) - TBS	500	2,350	5,700	-	8	22	30	-	8	22	30
4	SAAB Training USA LLC (CVTESS) - Orlando, FL	150	950	1,000	-	6	9	15	-	5	9	14

Remarks:
I-MILES Individual Weapon System (IWS) and I-MILES CVTESS production completed with FY16 PB Funds. I-MILES Vehicle TESS (V-TESS) production to be completed with FY17 and FY18 Funds.

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

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

Appropriation / Budget Activity / Budget Sub Activity: 2035A / 03 / 70	P-1 Line Item Number / Title: NA0100 / Training Devices, Nonsystem	Item Number / Title [DODIC]: NA0121 / NSTD - LVC ARCHITECTURE
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ID Code (A=Service Ready, B=Not Service Ready) : **MDAP/MAIS Code:**

Resource Summary	Prior Years	FY 2014	FY 2015	FY 2016 Base	FY 2016 OCO	FY 2016 Total
Procurement Quantity (Units in Each)	-	-	-	-	-	-
Gross/Weapon System Cost (\$ in Millions)	41.728	9.693	9.655	12.054	-	12.054
Less PY Advance Procurement (\$ in Millions)	-	-	-	-	-	-
Net Procurement (P1) (\$ in Millions)	41.728	9.693	9.655	12.054	-	12.054
Plus CY Advance Procurement (\$ in Millions)	-	-	-	-	-	-
Total Obligation Authority (\$ in Millions)	41.728	9.693	9.655	12.054	-	12.054

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

Initial Spares (\$ in Millions)	-	-	-	-	-	-
Gross/Weapon System Unit Cost (\$ in Thousands)	-	-	-	1,722.000	-	1,722.000

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

Cost Elements	Prior Years			FY 2014			FY 2015			FY 2016 Base			FY 2016 OCO			FY 2016 Total		
	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)
Flyaway Cost																		
Recurring Cost																		
CTIA In-house gov't support	-	-	2.338	-	-	0.645	-	-	-	-	-	0.666	-	-	-	-	-	0.666
CTIA PDSS	-	-	10.656	-	-	1.165	-	-	-	-	-	2.348	-	-	-	-	-	2.348
LVC-IA In-house gov't support	-	-	1.857	-	-	0.656	-	-	0.668	-	-	0.541	-	-	-	-	-	0.541
LVC-IA fieldings ^(†)	7,072.000	3	21.216	1,806.750	4	7.227	1,781.000	3	5.343	1,759.000	3	5.277	-	-	-	1,759.000	3	5.277
LVC-IA PDSS ^(†)	-	-	5.661	-	-	-	-	-	2.121	1,087.500	2	2.175	-	-	-	1,087.500	2	2.175
LVC-IA Version Upgrade ^(†)	-	-	-	-	-	-	507.667	3	1.523	523.500	2	1.047	-	-	-	523.500	2	1.047
<i>Subtotal: Recurring Cost</i>	-	-	41.728	-	-	9.693	-	-	9.655	-	-	12.054	-	-	-	-	-	12.054
<i>Subtotal: Flyaway Cost</i>	-	-	41.728	-	-	9.693	-	-	9.655	-	-	12.054	-	-	-	-	-	12.054
Gross/Weapon System Cost	-	-	41.728	-	-	9.693	-	-	9.655	1,722.000	-	12.054	-	-	-	1,722.000	-	12.054

Secondary Distribution	FY 2014	FY 2015	FY 2016 Base	FY 2016 OCO	FY 2016 Total
Army					
Quantity	-	-	-	-	-
Total Obligation Authority	9.693	9.655	12.054	-	12.054
Total: Secondary Distribution					
Quantity	-	-	-	-	-
Total Obligation Authority	9.693	9.655	12.054	-	12.054

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Exhibit P-5, Cost Analysis: PB 2016 Army		Date: February 2015
Appropriation / Budget Activity / Budget Sub Activity: 2035A / 03 / 70	P-1 Line Item Number / Title: NA0100 / Training Devices, Nonsystem	Item Number / Title [DODIC]: NA0121 / NSTD - LVC ARCHITECTURE
ID Code (A=Service Ready, B=Not Service Ready) :	MDAP/MAIS Code:	
(†) indicates the presence of a P-5a		

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

Appropriation / Budget Activity / Budget Sub Activity: 2035A / 03 / 70	P-1 Line Item Number / Title: NA0100 / Training Devices, Nonsystem	Item Number / Title [DODIC]: NA0121 / NSTD - LVC ARCHITECTURE
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Cost Elements	O C O	FY	Contractor and Location	Method/Type or Funding Vehicle	Location of PCO	Award Date	Date of First Delivery	Qty <i>(Each)</i>	Unit Cost <i>(\$ K)</i>	Specs Avail Now?	Date Revision Available	RFP Issue Date
LVC-IA fieldings ^(†)		2014	Cole Engineering Services / Orlando	C / CPIF	PEO STRI, Orlando, FL	Jan 2014	Feb 2014	4	1,806.750	N		
LVC-IA fieldings ^(†)		2015	Cole Engineering Services / Orlando	C / CPFF	PEO STRI, Orlando, FL	Jan 2015	Feb 2015	3	1,781.000	N		
LVC-IA fieldings ^(†)		2016	Cole Engineering Services / Orlando	C / CPFF	PEO STRI, Orlando, FL	Jan 2016	Feb 2016	3	1,759.000	N		
LVC-IA PDSS ^(†)		2016	Cole Engineering Services / Orlando	C / CPFF	PEO STRI, Orlando, FL	Jan 2016	Mar 2016	2	1,087.500	N		
LVC-IA Version Upgrade ^(†)		2015	Cole Engineering Services / Orlando	C / CPFF	PEO STRI, Orlando, FL	Jan 2015	Apr 2015	3	507.667	N		
LVC-IA Version Upgrade ^(†)		2016	Cole Engineering Services / Orlando	C / CPFF	PEO STRI, Orlando, FL	Jan 2016	Apr 2016	2	523.500	N		

^(†) indicates the presence of a P-21

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

Appropriation / Budget Activity / Budget Sub Activity: 2035A / 03 / 70	P-1 Line Item Number / Title: NA0100 / Training Devices, Nonsystem	Item Number / Title [DODIC]: NA0121 / NSTD - LVC ARCHITECTURE
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MFR Ref #	MFR Name - Location	Production Rates (Each / Month)			Procurement Leadtime (Months)							
		MSR For 2016	1-8-5 For 2016	MAX For 2016	Initial				Reorder			
					ALT Prior to Oct 1	ALT After Oct 1	Mfg PLT	Total After Oct 1	ALT Prior to Oct 1	ALT After Oct 1	Mfg PLT	Total After Oct 1
1	Cole Engineering Services - Orlando	1	3	4	-	3	2	5	-	3	2	5
2	Cole Engineering Services - Orlando	1	3	4	-	3	2	5	-	3	2	5
3	Cole Engineering Services - Orlando	1	3	4	-	3	4	7	-	3	4	7

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

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

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

Appropriation / Budget Activity / Budget Sub Activity: 2035A: Other Procurement, Army / BA 03: Other Support Equipment / BSA 70: Training Equipment	P-1 Line Item Number / Title: NA0170 / Close Combat Tactical Trainer
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ID Code (A=Service Ready, B=Not Service Ready) :			Program Elements for Code B Items:					Other Related Program Elements:				
Resource Summary	Prior Years	FY 2014	FY 2015	FY 2016 Base	FY 2016 OCO	FY 2016 Total	FY 2017	FY 2018	FY 2019	FY 2020	To Complete	Total
Procurement Quantity (Units in Each)	-	40	108	223	-	223	234	193	14	101	Continuing	Continuing
Gross/Weapon System Cost (\$ in Millions)	1,009.506	33.197	13.406	45.210	-	45.210	44.744	46.195	47.571	51.684	Continuing	Continuing
Less PY Advance Procurement (\$ in Millions)	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P1) (\$ in Millions)	1,009.506	33.197	13.406	45.210	-	45.210	44.744	46.195	47.571	51.684	Continuing	Continuing
Plus CY Advance Procurement (\$ in Millions)	-	-	-	-	-	-	-	-	-	-	-	-
Total Obligation Authority (\$ in Millions)	1,009.506	33.197	13.406	45.210	-	45.210	44.744	46.195	47.571	51.684	Continuing	Continuing
<i>(The following Resource Summary rows are for informational purposes only. The corresponding budget requests are documented elsewhere.)</i>												
Initial Spares (\$ in Millions)	-	-	-	-	-	-	-	-	-	-	-	-
Flyaway Unit Cost (\$ in Thousands)	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Unit Cost (\$ in Thousands)	-	829.925	124.130	202.735	-	202.735	191.214	239.352	3,397.929	511.723	Continuing	Continuing

Description:

The Close Combat Tactical Trainer (CCTT) is a critical readiness enabler for Armored Brigade Combat Team (ABCT) units. CCTT simulators support Commanders' home station collective training and readiness requirements in conducting predeployment training in preparation for worldwide combat operations. CCTT immersively and comprehensively trains Armor, Cavalry, Infantry, Mechanized Infantry, and Armored Reconnaissance units from squad through Battalion/Squadron level, to include their staffs. The primary training audience operates from full-crew simulators, reconfigurable command posts, and live battalion command posts to accomplish their combined arms training tasks. CCTT is a ground based, collective training device composed of three systems: the CCTT, the Reconfigurable Vehicle Tactical Trainer (RVTT) and the Dismounted Soldier Training System (DSTS). CCTT is comprised of full fidelity, manned simulators for the M1 Abrams main battle tank, M2 Bradley Fighting Vehicle (BFV) variants, and the M3 Cavalry Fighting Vehicle (CFV). RVTT is a CCTT Reconfigurable Vehicle Simulator (RVS) comprised of full fidelity, manned simulators for the High Mobility Multipurpose Wheeled Vehicle (HMMWV) and the Heavy Expanded Mobility Tactical Truck (HEMTT). DSTS is a virtual trainer providing an ability to immerse the individual Soldier into the synthetic virtual environment.

Secondary Distribution		FY 2014	FY 2015	FY 2016 Base	FY 2016 OCO	FY 2016 Total	FY 2017	FY 2018	FY 2019	FY 2020
Army	Quantity	36	96	164	-	164	203	156	6	93
	Total Obligation Authority	32.933	13.106	40.110	-	40.110	42.664	43.753	45.907	50.020
ANG	Quantity	4	12	59	-	59	31	35	4	4
	Total Obligation Authority	0.264	0.300	5.100	-	5.100	2.080	2.384	0.832	0.832
AR	Quantity	-	-	-	-	-	-	2	4	4
	Total Obligation Authority	-	-	-	-	-	-	0.058	0.832	0.832
Total:	Quantity	40	108	223	-	223	234	193	14	101
Secondary Distribution	Total Obligation Authority	33.197	13.406	45.210	-	45.210	44.744	46.195	47.571	51.684

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

Appropriation / Budget Activity / Budget Sub Activity: 2035A: Other Procurement, Army / BA 03: Other Support Equipment / BSA 70: Training Equipment	P-1 Line Item Number / Title: NA0170 / Close Combat Tactical Trainer
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ID Code (A=Service Ready, B=Not Service Ready) :			Program Elements for Code B Items:			Other Related Program Elements:		
Exhibits Schedule			Prior Years	FY 2014	FY 2015	FY 2016 Base	FY 2016 OCO	FY 2016 Total
Title*	Exhibits	ID CD	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)
NA0170 / Close Combat Tactical Trainer	P-5, P-5a, P-21		- / 1,009.506	40 / 33.197	108 / 13.406	223 / 45.210	- / -	223 / 45.210
Total Gross/Weapon System Cost			- / 1,009.506	40 / 33.197	108 / 13.406	223 / 45.210	- / -	223 / 45.210

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

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

Justification:
 FY2016 base procurement dollars in the amount of \$45.210 million procures simulator upgrades for the M2A3 Chassis Modernization Embedded Diagnostic (CMED), M2A2 Operation Desert Storm Situational Awareness (ODS SA), and M2A3 CMED Bradley Fire Support Vehicle (BFIST) with Fire Support Sensor System (FS3). These upgrades will make the trainers reflective of the tactical systems and support the Active and National Guard components in training Unified Land Operations in a simulated, fully interactive, virtual battlefield and increase combat readiness. The requirement exists to train and sustain collective (crew through battalion tasks and skills) and brigade exercises with leaders and their staffs in combat leadership, mission command, command and control, communications, and maneuver, and to integrate the functions of logistics units to meet Army readiness and mission objectives. CCTT training contributes to readiness by augmenting live training by providing the Army the flexibility to train tasks that cannot be performed in a live training environment due to safety, cost, and environmental constraints.

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.

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Exhibit P-5, Cost Analysis: PB 2016 Army		Date: February 2015
Appropriation / Budget Activity / Budget Sub Activity: 2035A / 03 / 70	P-1 Line Item Number / Title: NA0170 / Close Combat Tactical Trainer	Item Number / Title [DODIC]: NA0170 / Close Combat Tactical Trainer

ID Code (A=Service Ready, B=Not Service Ready) :	MDAP/MAIS Code:
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Resource Summary	Prior Years	FY 2014	FY 2015	FY 2016 Base	FY 2016 OCO	FY 2016 Total
Procurement Quantity (Units in Each)	-	40	108	223	-	223
Gross/Weapon System Cost (\$ in Millions)	1,009.506	33.197	13.406	45.210	-	45.210
Less PY Advance Procurement (\$ in Millions)	-	-	-	-	-	-
Net Procurement (P1) (\$ in Millions)	1,009.506	33.197	13.406	45.210	-	45.210
Plus CY Advance Procurement (\$ in Millions)	-	-	-	-	-	-
Total Obligation Authority (\$ in Millions)	1,009.506	33.197	13.406	45.210	-	45.210

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

Initial Spares (\$ in Millions)	-	-	-	-	-	-
Gross/Weapon System Unit Cost (\$ in Thousands)	-	829.925	124.130	202.735	-	202.735

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

Cost Elements	Prior Years			FY 2014			FY 2015			FY 2016 Base			FY 2016 OCO			FY 2016 Total		
	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)
Flyaway Cost																		
Recurring Cost																		
PROD ENGINEERING AND PMO SUPPORT	-	-	51.555	-	-	3.300	-	-	1.500	-	-	6.800	-	-	-	-	-	-
PRODUCTION ENGR CONTRACTOR SUPT	-	-	29.352	-	-	1.663	-	-	0.900	-	-	1.200	-	-	-	-	-	-
CONCURRENCY ^(†)	-	-	6.558	468.350	40	18.734	22.220	108	2.400	91.700	223	20.450	-	-	-	91.700	223	20.450
SOFTWARE MAINTENANCE SUPPORT	-	-	905.405	-	-	9.500	-	-	8.606	-	-	16.760	-	-	-	-	-	16.760
INTERIM CONTRACTORS LOGISTICS SUPPORT	-	-	16.636	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
<i>Subtotal: Recurring Cost</i>	-	-	<i>1,009.506</i>	-	-	<i>33.197</i>	-	-	<i>13.406</i>	-	-	<i>45.209</i>	-	-	-	-	-	<i>45.209</i>
<i>Subtotal: Flyaway Cost</i>	-	-	<i>1,009.506</i>	-	-	<i>33.197</i>	-	-	<i>13.406</i>	-	-	<i>45.209</i>	-	-	-	-	-	<i>45.209</i>
Gross/Weapon System Cost	-	-	1,009.506	829.925	40	33.197	124.130	108	13.406	202.735	223	45.210	-	-	-	202.735	223	45.210

Secondary Distribution		FY 2014	FY 2015	FY 2016 Base	FY 2016 OCO	FY 2016 Total
Army	Quantity	36	96	164	-	164
	Total Obligation Authority	32.933	13.106	40.110	-	40.110
ANG	Quantity	4	12	59	-	59

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

Appropriation / Budget Activity / Budget Sub Activity: 2035A / 03 / 70	P-1 Line Item Number / Title: NA0170 / Close Combat Tactical Trainer	Item Number / Title [DODIC]: NA0170 / Close Combat Tactical Trainer
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ID Code (A=Service Ready, B=Not Service Ready) :		MDAP/MAIS Code:				
Secondary Distribution		FY 2014	FY 2015	FY 2016 Base	FY 2016 OCO	FY 2016 Total
	Total Obligation Authority	0.264	0.300	5.100	-	5.100
Total:	Quantity	40	108	223	-	223
Secondary Distribution	Total Obligation Authority	33.197	13.406	45.210	-	45.210

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

UNCLASSIFIED

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

Appropriation / Budget Activity / Budget Sub Activity: 2035A / 03 / 70	P-1 Line Item Number / Title: NA0170 / Close Combat Tactical Trainer	Item Number / Title [DODIC]: NA0170 / Close Combat Tactical Trainer
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Cost Elements	O C O	FY	Contractor and Location	Method/Type or Funding Vehicle	Location of PCO	Award Date	Date of First Delivery	Qty <i>(Each)</i>	Unit Cost <i>(\$ K)</i>	Specs Avail Now?	Date Revision Available	RFP Issue Date
CONCURRENCY ^(†)		2014	Lockheed Martin Corporation / Orlando	C / FFP	PEO STRI, Orlando, FL	Jul 2014	Jan 2015	40	468.350	N		
CONCURRENCY ^(†)		2015	Lockheed Martin Corporation / Orlando	C / FFP	PEO STRI, Orlando, FL	Mar 2015	Apr 2015	108	22.220	N		
CONCURRENCY ^(†)		2016	Lockheed Martin Corporation / Orlando	C / FFP	PEO STRI, Orlando, FL	Mar 2016	Apr 2016	223	91.700	N		

^(†) indicates the presence of a P-21

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

Appropriation / Budget Activity / Budget Sub Activity: 2035A / 03 / 70 **P-1 Line Item Number / Title:** NA0170 / Close Combat Tactical Trainer **Item Number / Title [DODIC]:** NA0170 / Close Combat Tactical Trainer

Cost Elements <i>(Units in Each)</i>						Fiscal Year 2016												Fiscal Year 2017													
O C C O	M F R #	FY	SERVICE	PROC QTY	ACCEPT PRIOR TO 1 OCT 2015	BAL DUE AS OF 1 OCT	Calendar Year 2016												Calendar Year 2017												B A L
							O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	
CONCURRENCY																															
	1	2014	ARMY	40	40	-																							-		
	1	2015	ARMY	108	108	-																							-		
	1	2016	ARMY	223	-	223																							-		

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Exhibit P-21, Production Schedule: PB 2016 Army	Date: February 2015
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Appropriation / Budget Activity / Budget Sub Activity: 2035A / 03 / 70	P-1 Line Item Number / Title: NA0170 / Close Combat Tactical Trainer	Item Number / Title [DODIC]: NA0170 / Close Combat Tactical Trainer
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MFR Ref #	MFR Name - Location	Production Rates (Each / Month)			Procurement Leadtime (Months)							
		MSR For 2016	1-8-5 For 2016	MAX For 2016	Initial				Reorder			
					ALT Prior to Oct 1	ALT After Oct 1	Mfg PLT	Total After Oct 1	ALT Prior to Oct 1	ALT After Oct 1	Mfg PLT	Total After Oct 1
1	Lockheed Martin Corporation - Orlando	1	72	200	-	5	1	6	-	-	1	1

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

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

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

Appropriation / Budget Activity / Budget Sub Activity: 2035A: Other Procurement, Army / BA 03: Other Support Equipment / BSA 70: Training Equipment	P-1 Line Item Number / Title: NA0173 / Aviation Combined Arms Tactical Trainer
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ID Code (A=Service Ready, B=Not Service Ready) :		Program Elements for Code B Items:					Other Related Program Elements:					
Resource Summary	Prior Years	FY 2014	FY 2015	FY 2016 Base	FY 2016 OCO	FY 2016 Total	FY 2017	FY 2018	FY 2019	FY 2020	To Complete	Total
Procurement Quantity (Units in Each)	1	1	-	23	-	23	23	23	23	23	Continuing	Continuing
Gross/Weapon System Cost (\$ in Millions)	427.519	34.913	10.040	30.068	-	30.068	28.360	27.861	28.379	29.203	Continuing	Continuing
Less PY Advance Procurement (\$ in Millions)	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P1) (\$ in Millions)	427.519	34.913	10.040	30.068	-	30.068	28.360	27.861	28.379	29.203	Continuing	Continuing
Plus CY Advance Procurement (\$ in Millions)	-	-	-	-	-	-	-	-	-	-	-	-
Total Obligation Authority (\$ in Millions)	427.519	34.913	10.040	30.068	-	30.068	28.360	27.861	28.379	29.203	Continuing	Continuing
<i>(The following Resource Summary rows are for informational purposes only. The corresponding budget requests are documented elsewhere.)</i>												
Initial Spares (\$ in Millions)	-	-	-	-	-	-	-	-	-	-	-	-
Flyaway Unit Cost (\$ in Thousands)	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Unit Cost (\$ in Thousands)	427,519.000	34,913.000	-	1,307.304	-	1,307.304	1,233.043	1,211.348	1,233.870	1,269.696	Continuing	Continuing

Description:

The Aviation Combined Arms Tactical Trainer (AVCATT) is Army Aviation's only Collective Training System of Record to ensure the Active, Reserve and Army National Guard Aviation Units are trained and ready. AVCATT enables unit collective and combined arms air-ground training for AH-64, UH-60, CH-47, and OH-58 aircrews within the Live, Virtual, Constructive, & Gaming (LVC-G) Integrated Training Environment (ITE). The AVCATT also supports the training of Non-Rated crew members in crew coordination, flight, aerial gunnery, hoist and slingload related tasks via the Non-Rated Crewmember Manned Module (NCM3); which can be linked to AVCATT's UH-60 and CH-47 cockpit configurations to support a unit's specific Mission Training Requirements.

Secondary Distribution		FY 2014	FY 2015	FY 2016 Base	FY 2016 OCO	FY 2016 Total	FY 2017	FY 2018	FY 2019	FY 2020
Army	Quantity	1	-	12	-	12	12	12	12	12
	Total Obligation Authority	21.563	5.221	15.635	-	15.635	14.747	14.488	14.757	15.186
ANG	Quantity	-	-	7	-	7	7	7	7	7
	Total Obligation Authority	8.496	3.062	9.171	-	9.171	8.650	8.498	8.656	8.907
AR	Quantity	-	-	4	-	4	4	4	4	4
	Total Obligation Authority	4.854	1.757	5.262	-	5.262	4.963	4.875	4.966	5.110
Total:	Quantity	1	-	23	-	23	23	23	23	23
Secondary Distribution	Total Obligation Authority	34.913	10.040	30.068	-	30.068	28.360	27.861	28.379	29.203

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

Appropriation / Budget Activity / Budget Sub Activity: 2035A: Other Procurement, Army / BA 03: Other Support Equipment / BSA 70: Training Equipment	P-1 Line Item Number / Title: NA0173 / Aviation Combined Arms Tactical Trainer
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ID Code (A=Service Ready, B=Not Service Ready) :			Program Elements for Code B Items:			Other Related Program Elements:		
Exhibits Schedule			Prior Years	FY 2014	FY 2015	FY 2016 Base	FY 2016 OCO	FY 2016 Total
Title*	Exhibits	ID CD	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)
NA0173 / Aviation Combined Arms Tactical Trainer	P-5, P-5a, P-21		1 / 427.519	1 / 34.913	- / 10.040	23 / 30.068	- / -	23 / 30.068
Total Gross/Weapon System Cost			1 / 427.519	1 / 34.913	- / 10.040	23 / 30.068	- / -	23 / 30.068

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

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

Justification:
 FY 2016 Base procurement dollars in the amount of \$30.068 million supports AVCATT/NCM3 Post Deployment Software Support (PDSS), Heating Ventilation and Air Conditioning (HVAC) Obsolescence, Helmet Mounted Display (HMD) Obsolescence, Flight Control computer and Semi-Automated Forces (SAF) computer Technology Refresh (AR70-1), and Live, Virtual, Constructive Integrating Architecture (LVC-IA) interoperability requirements.

The FY 2016 funding request was reduced for \$0.958 million to account for the availability of prior year execution balances.

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

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Exhibit P-5, Cost Analysis: PB 2016 Army		Date: February 2015
Appropriation / Budget Activity / Budget Sub Activity: 2035A / 03 / 70		P-1 Line Item Number / Title: NA0173 / Aviation Combined Arms Tactical Trainer
		Item Number / Title [DODIC]: NA0173 / Aviation Combined Arms Tactical Trainer

ID Code (A=Service Ready, B=Not Service Ready) :	MDAP/MAIS Code:
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Resource Summary	Prior Years	FY 2014	FY 2015	FY 2016 Base	FY 2016 OCO	FY 2016 Total
Procurement Quantity (Units in Each)	1	1	-	23	-	23
Gross/Weapon System Cost (\$ in Millions)	427.519	34.913	10.040	30.068	-	30.068
Less PY Advance Procurement (\$ in Millions)	-	-	-	-	-	-
Net Procurement (P1) (\$ in Millions)	427.519	34.913	10.040	30.068	-	30.068
Plus CY Advance Procurement (\$ in Millions)	-	-	-	-	-	-
Total Obligation Authority (\$ in Millions)	427.519	34.913	10.040	30.068	-	30.068

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

Initial Spares (\$ in Millions)	-	-	-	-	-	-
Gross/Weapon System Unit Cost (\$ in Thousands)	427,519.000	34,913.000	-	1,307.304	-	1,307.304

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

Cost Elements	Prior Years			FY 2014			FY 2015			FY 2016 Base			FY 2016 OCO			FY 2016 Total		
	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)
Flyaway Cost																		
Recurring Cost																		
A. Production Engineering and PMO	-	-	416.666	-	-	3.055	-	-	2.044	-	-	3.648	-	-	-	-	-	3.648
B. Software Maintenance Support	-	-	10.853	-	-	8.450	-	-	7.393	-	-	6.886	-	-	-	-	-	6.886
C. NCM3 Suite ^(†)	-	-	-	4,077.000	1	4.077	-	-	-	-	-	-	-	-	-	-	-	-
D. Image Generator Obsolescence	-	-	-	-	-	7.673	-	-	-	-	-	-	-	-	-	-	-	-
E. LVC-IA Interoperability Support	-	-	-	-	-	3.067	-	-	-	-	-	3.938	-	-	-	-	-	3.938
F. HVAC Obsolescence	-	-	-	-	-	0.855	-	-	-	-	-	5.250	-	-	-	-	-	5.250
G. Technology Refresh	-	-	-	-	-	1.410	-	-	-	329.000	23	7.567	-	-	-	329.000	23	7.567
H. CH-47F and UH-60M Concurrency	-	-	-	-	-	6.326	-	-	0.603	-	-	-	-	-	-	-	-	-
I. Helmet Mounted Display Obsolescence	-	-	-	-	-	-	-	-	-	-	-	2.779	-	-	-	-	-	2.779
<i>Subtotal: Recurring Cost</i>	-	-	427.519	-	-	34.913	-	-	10.040	-	-	30.068	-	-	-	-	-	30.068
<i>Subtotal: Flyaway Cost</i>	-	-	427.519	-	-	34.913	-	-	10.040	-	-	30.068	-	-	-	-	-	30.068
Gross/Weapon System Cost	427,519.000	1	427.519	34,913.000	1	34.913	-	-	10.040	1,307.304	23	30.068	-	-	-	1,307.304	23	30.068

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Exhibit P-5, Cost Analysis: PB 2016 Army		Date: February 2015
Appropriation / Budget Activity / Budget Sub Activity: 2035A / 03 / 70	P-1 Line Item Number / Title: NA0173 / Aviation Combined Arms Tactical Trainer	Item Number / Title [DODIC]: NA0173 / Aviation Combined Arms Tactical Trainer

ID Code (A=Service Ready, B=Not Service Ready) :		MDAP/MAIS Code:				
Secondary Distribution		FY 2014	FY 2015	FY 2016 Base	FY 2016 OCO	FY 2016 Total
Army	Quantity	1	-	12	-	12
	Total Obligation Authority	21.563	5.221	15.635	-	15.635
ANG	Quantity	-	-	7	-	7
	Total Obligation Authority	8.496	3.062	9.171	-	9.171
AR	Quantity	-	-	4	-	4
	Total Obligation Authority	4.854	1.757	5.262	-	5.262
Total: Secondary Distribution	Quantity	1	-	23	-	23
	Total Obligation Authority	34.913	10.040	30.068	-	30.068

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

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Exhibit P-5a, Procurement History and Planning: PB 2016 Army							Date: February 2015					
Appropriation / Budget Activity / Budget Sub Activity: 2035A / 03 / 70			P-1 Line Item Number / Title: NA0173 / Aviation Combined Arms Tactical Trainer				Item Number / Title [DODIC]: NA0173 / Aviation Combined Arms Tactical Trainer					
Cost Elements	O C O	FY	Contractor and Location	Method/Type or Funding Vehicle	Location of PCO	Award Date	Date of First Delivery	Qty (Each)	Unit Cost (\$ K)	Specs Avail Now?	Date Revision Available	RFP Issue Date
C. NCM3 Suite ^(†)		2014	Cymstar / Broken Arrow, OK	C / FFP	PEO STRI Orlando, FL	Apr 2014	Sep 2015	1	4,077.000	N		

^(†) indicates the presence of a P-21

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Exhibit P-21, Production Schedule: PB 2016 Army														Date: February 2015															
Appropriation / Budget Activity / Budget Sub Activity: 2035A / 03 / 70										P-1 Line Item Number / Title: NA0173 / Aviation Combined Arms Tactical Trainer										Item Number / Title [DODIC]: NA0173 / Aviation Combined Arms Tactical Trainer									

Cost Elements <i>(Units in Each)</i>						Fiscal Year 2014												Fiscal Year 2015												
O C C O	M F R #	FY	SERVICE	PROC QTY	ACCEPT PRIOR TO 1 OCT 2013	BAL DUE AS OF 1 OCT	Calendar Year 2014												Calendar Year 2015											
							O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P

C. NCM3 Suite																															
1	2014	ARMY		1	-	1									A	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	-

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

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Exhibit P-21, Production Schedule: PB 2016 Army				Date: February 2015				
Appropriation / Budget Activity / Budget Sub Activity: 2035A / 03 / 70			P-1 Line Item Number / Title: NA0173 / Aviation Combined Arms Tactical Trainer				Item Number / Title [DODIC]: NA0173 / Aviation Combined Arms Tactical Trainer	

MFR Ref #	MFR Name - Location	Production Rates (Each / Month)			Procurement Leadtime (Months)							
		MSR For 2016	1-8-5 For 2016	MAX For 2016	Initial				Reorder			
					ALT Prior to Oct 1	ALT After Oct 1	Mfg PLT	Total After Oct 1	ALT Prior to Oct 1	ALT After Oct 1	Mfg PLT	Total After Oct 1
1	Cymstar - Broken Arrow, OK	1	3	12	9	6	18	24	9	6	18	24

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

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

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

Appropriation / Budget Activity / Budget Sub Activity: 2035A: Other Procurement, Army / BA 03: Other Support Equipment / BSA 70: Training Equipment	P-1 Line Item Number / Title: NA0176 / Gaming Technology In Support of Army Training
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ID Code (A=Service Ready, B=Not Service Ready) :			Program Elements for Code B Items:					Other Related Program Elements:				
Resource Summary	Prior Years	FY 2014	FY 2015	FY 2016 Base	FY 2016 OCO	FY 2016 Total	FY 2017	FY 2018	FY 2019	FY 2020	To Complete	Total
Procurement Quantity (Units in Each)	-	18	36	-	-	-	24	7	5	29	Continuing	Continuing
Gross/Weapon System Cost (\$ in Millions)	25.196	9.955	10.165	9.793	-	9.793	12.842	13.514	15.789	16.205	Continuing	Continuing
Less PY Advance Procurement (\$ in Millions)	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P1) (\$ in Millions)	25.196	9.955	10.165	9.793	-	9.793	12.842	13.514	15.789	16.205	Continuing	Continuing
Plus CY Advance Procurement (\$ in Millions)	-	-	-	-	-	-	-	-	-	-	-	-
Total Obligation Authority (\$ in Millions)	25.196	9.955	10.165	9.793	-	9.793	12.842	13.514	15.789	16.205	Continuing	Continuing

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

Initial Spares (\$ in Millions)	-	-	-	-	-	-	-	-	-	-	-	-
Flyaway Unit Cost (\$ in Thousands)	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Unit Cost (\$ in Thousands)	-	553.056	282.361	-	-	-	535.083	1,930.571	3,157.800	558.793	Continuing	Continuing

Description:

The Games for Training (GFT) Program prepares Soldiers and leaders for full-spectrum military operations in Unified Land Operations (ULO) with robust training and mission rehearsal capabilities. The GFT program satisfies the Active, the National Guard, and the Army Reserves' educational requirements in the Operational, Institutional, and Self-Development Training Domains with a low-overhead, flexible, persistent training capability on geo-specific and geo-typical terrain that is relevant with all military platforms and weapon systems. GFT comprehensively trains Platoon and below formations. GFT trains higher echelon units and staffs without troops.

Secondary Distribution		FY 2014	FY 2015	FY 2016 Base	FY 2016 OCO	FY 2016 Total	FY 2017	FY 2018	FY 2019	FY 2020
Army	Quantity	18	32	-	-	-	-	-	-	3
	Total Obligation Authority	5.117	6.389	3.265	-	3.265	3.081	4.155	5.013	4.401
ANG	Quantity	-	2	-	-	-	21	7	5	24
	Total Obligation Authority	2.419	1.888	3.264	-	3.264	6.230	5.204	5.763	7.552
AR	Quantity	-	2	-	-	-	3	-	-	2
	Total Obligation Authority	2.419	1.888	3.264	-	3.264	3.531	4.155	5.013	4.252
Total:	Quantity	18	36	-	-	-	24	7	5	29
Secondary Distribution	Total Obligation Authority	9.955	10.165	9.793	-	9.793	12.842	13.514	15.789	16.205

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

Appropriation / Budget Activity / Budget Sub Activity: 2035A: Other Procurement, Army / BA 03: Other Support Equipment / BSA 70: Training Equipment	P-1 Line Item Number / Title: NA0176 / Gaming Technology In Support of Army Training
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ID Code (A=Service Ready, B=Not Service Ready) :			Program Elements for Code B Items:			Other Related Program Elements:		
Exhibits Schedule			Prior Years	FY 2014	FY 2015	FY 2016 Base	FY 2016 OCO	FY 2016 Total
Title*	Exhibits	ID CD	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)
NA0176 / Gaming Technology In Support of Army Training	P-5, P-5a		- / 25.196	18 / 9.955	36 / 10.165	- / 9.793	- / -	- / 9.793
Total Gross/Weapon System Cost			- / 25.196	18 / 9.955	36 / 10.165	- / 9.793	- / -	- / 9.793

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

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

Justification:
 FY 2016 Base procurement dollars in the amount of \$9.793 million enables readiness and keeps units and Soldiers training on key tactical tasks and missions. The funding enables continuation of the GFT training system, commercial and Government off-the-shelf game software applications, used to train Active, Reserve and Army National Guard Soldiers in a PC-based, shared environment. Soldiers use the GFT system to practice technical skills necessary to perform multiple mission types in accordance with current tactics, techniques and procedures in preparation for ULO missions. GFT provides low-overhead training capability available worldwide, and increases small unit training capability across all three components (Active, Guard, and Reserve). GFT is a critical program enabling other virtual and constructive training capabilities and the Integrated Training Environment (ITE).

The FY 2016 funding request was reduced for \$1.905 million to account for the availability of prior year execution balances.

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

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Exhibit P-5, Cost Analysis: PB 2016 Army		Date: February 2015
Appropriation / Budget Activity / Budget Sub Activity: 2035A / 03 / 70	P-1 Line Item Number / Title: NA0176 / Gaming Technology In Support of Army Training	Item Number / Title [DODIC]: NA0176 / Gaming Technology In Support of Army Training

ID Code (A=Service Ready, B=Not Service Ready) :	MDAP/MAIS Code:
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Resource Summary	Prior Years	FY 2014	FY 2015	FY 2016 Base	FY 2016 OCO	FY 2016 Total
Procurement Quantity (Units in Each)	-	18	36	-	-	-
Gross/Weapon System Cost (\$ in Millions)	25.196	9.955	10.165	9.793	-	9.793
Less PY Advance Procurement (\$ in Millions)	-	-	-	-	-	-
Net Procurement (P1) (\$ in Millions)	25.196	9.955	10.165	9.793	-	9.793
Plus CY Advance Procurement (\$ in Millions)	-	-	-	-	-	-
Total Obligation Authority (\$ in Millions)	25.196	9.955	10.165	9.793	-	9.793

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

Initial Spares (\$ in Millions)	-	-	-	-	-	-
Gross/Weapon System Unit Cost (\$ in Thousands)	-	553.056	282.361	-	-	-

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

Cost Elements	Prior Years			FY 2014			FY 2015			FY 2016 Base			FY 2016 OCO			FY 2016 Total		
	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)
Flyaway Cost																		
Recurring Cost																		
Gaming Toolkits/ Ancillary Equipment	-	-	0.858	-	-	-	-	-	-	-	-	0.240	-	-	-	-	-	0.240
Modifications and Upgrades	-	-	15.015	-	-	0.116	-	-	0.116	-	-	1.163	-	-	-	-	-	1.163
Fielding, Documentation	-	-	0.673	-	-	0.120	-	-	0.131	-	-	0.500	-	-	-	-	-	0.500
Production Engineering & PMO Support	-	-	2.672	-	-	1.924	-	-	1.836	-	-	1.865	-	-	-	-	-	1.865
Web Portal	-	-	1.406	-	-	0.535	-	-	0.300	-	-	0.525	-	-	-	-	-	0.525
Information Assurance	-	-	0.250	-	-	0.250	-	-	0.040	-	-	0.250	-	-	-	-	-	0.250
Flagship Product	-	-	0.822	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
NET/Update Training	-	-	-	-	-	0.310	-	-	0.142	-	-	0.250	-	-	-	-	-	0.250
Flagship License	-	-	3.500	-	-	4.000	-	-	4.000	-	-	5.000	-	-	-	-	-	5.000
Gaming Specific Hardware Systems ^(†)	-	-	-	150.000	18	2.700	100.000	36	3.600	-	-	-	-	-	-	-	-	-
Subtotal: Recurring Cost	-	-	25.196	-	-	9.955	-	-	10.165	-	-	9.793	-	-	-	-	-	9.793
Subtotal: Flyaway Cost	-	-	25.196	-	-	9.955	-	-	10.165	-	-	9.793	-	-	-	-	-	9.793
Gross/Weapon System Cost	-	-	25.196	553.056	18	9.955	282.361	36	10.165	-	-	9.793	-	-	-	-	-	9.793

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Exhibit P-5, Cost Analysis: PB 2016 Army		Date: February 2015
Appropriation / Budget Activity / Budget Sub Activity: 2035A / 03 / 70	P-1 Line Item Number / Title: NA0176 / Gaming Technology In Support of Army Training	Item Number / Title [DODIC]: NA0176 / Gaming Technology In Support of Army Training

ID Code (A=Service Ready, B=Not Service Ready) :		MDAP/MAIS Code:				
Secondary Distribution		FY 2014	FY 2015	FY 2016 Base	FY 2016 OCO	FY 2016 Total
Army	Quantity	18	32	-	-	-
	Total Obligation Authority	5.117	6.389	3.265	-	3.265
ANG	Quantity	-	2	-	-	-
	Total Obligation Authority	2.419	1.888	3.264	-	3.264
AR	Quantity	-	2	-	-	-
	Total Obligation Authority	2.419	1.888	3.264	-	3.264
Total: Secondary Distribution	Quantity	18	36	-	-	-
	Total Obligation Authority	9.955	10.165	9.793	-	9.793

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

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Exhibit P-5a, Procurement History and Planning: PB 2016 Army							Date: February 2015					
Appropriation / Budget Activity / Budget Sub Activity: 2035A / 03 / 70			P-1 Line Item Number / Title: NA0176 / Gaming Technology In Support of Army Training				Item Number / Title [DODIC]: NA0176 / Gaming Technology In Support of Army Training					

Cost Elements	O C O	FY	Contractor and Location	Method/Type or Funding Vehicle	Location of PCO	Award Date	Date of First Delivery	Qty <i>(Each)</i>	Unit Cost <i>(\$ K)</i>	Specs Avail Now?	Date Revision Available	RFP Issue Date
Gaming Specific Hardware Systems		2014	CDWG / Chicago, IL	C / FFP	PEO STRI, Orlando, FL	Aug 2014	Dec 2015	18	150.000	N		
Gaming Specific Hardware Systems		2015	TBS / TBS	TBD	PEO STRI, Orlando, FL	Feb 2015	May 2015	36	100.000	N		

Remarks:
Gaming Specific Hardware Systems are COTS.

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

Appropriation / Budget Activity / Budget Sub Activity: 2035A: Other Procurement, Army / BA 03: Other Support Equipment / BSA 80: Test Measure and Dig Equipment (TMD) **P-1 Line Item Number / Title:** N10000 / Calibration Sets Equipment

ID Code (A=Service Ready, B=Not Service Ready) : A		Program Elements for Code B Items:					Other Related Program Elements:					
Resource Summary	Prior Years	FY 2014	FY 2015	FY 2016 Base	FY 2016 OCO	FY 2016 Total	FY 2017	FY 2018	FY 2019	FY 2020	To Complete	Total
Procurement Quantity (Units in Each)	3	3	6	553	-	553	745	767	870	813	Continuing	Continuing
Gross/Weapon System Cost (\$ in Millions)	280.588	5.244	5.726	4.650	-	4.650	5.735	5.542	8.590	4.499	Continuing	Continuing
Less PY Advance Procurement (\$ in Millions)	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P1) (\$ in Millions)	280.588	5.244	5.726	4.650	-	4.650	5.735	5.542	8.590	4.499	Continuing	Continuing
Plus CY Advance Procurement (\$ in Millions)	-	-	-	-	-	-	-	-	-	-	-	-
Total Obligation Authority (\$ in Millions)	280.588	5.244	5.726	4.650	-	4.650	5.735	5.542	8.590	4.499	Continuing	Continuing

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

Initial Spares (\$ in Millions)	-	-	-	-	-	-	-	-	-	-	-	-
Flyaway Unit Cost (\$ in Thousands)	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Unit Cost (\$ in Thousands)	93,529.333	1,748.000	954.333	8.409	-	8.409	7.698	7.226	9.874	5.534	Continuing	Continuing

Description:

Calibration Sets Equipment (CALSETS) consists of calibration instrumentation housed in fixed facilities or contained within tactical shelters with accompanying power generation equipment. The CALSETS instrumentation provides support to maintenance units and area support organizations from brigade to multi-theater sustainment operations and ensures a cascading transfer of precision accuracy originating from the US National Institute of Standards and Technology (NIST). The calibration sets are designed to support 90 percent of the Army test, measurement, and diagnostic equipment (TMDE) workload with an objective of 98 percent. The instruments and equipment procured through this program are assembled into several set configurations (AN/GSM-286, AN/GSM-287, AN/GSM-439, and AN/GSM-440, and Reference) and two tactical calibration shelters (AN/GSM-705 and AN/GSM-421A(V)2). These calibration standards sets are integral to verifying the accuracy of TMDE with mandated traceability to accuracy standards. State-of-the-art calibration equipment is required to ensure that advanced technology weapons and systems are maintained at the required state of operational readiness. Systems supported by the Calibration Sets include unmanned aerial vehicles supporting military signal and electronic intelligence operations; tactical and strategic communications; and ground and aviation platforms such as the Army family of tactical tracked and wheeled vehicles and the Apache, Blackhawk, and Chinook helicopters.

Army Acquisition Objective (AAO): AN/GSM-286 - 45; AN/GSM-287 - 67; AN/GSM-439 - 39; AN/GSM-440 - 34; AN/GSM-705 - 27; AN/GSM-421A(V)2 - 27; Secondary Reference Standards Set - 11

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

Appropriation / Budget Activity / Budget Sub Activity: 2035A: Other Procurement, Army / BA 03: Other Support Equipment / BSA 80: Test Measure and Dig Equipment (TMD) **P-1 Line Item Number / Title:** N10000 / Calibration Sets Equipment

ID Code (A=Service Ready, B=Not Service Ready) : A			Program Elements for Code B Items:			Other Related Program Elements:		
Exhibits Schedule			Prior Years	FY 2014	FY 2015	FY 2016 Base	FY 2016 OCO	FY 2016 Total
Title*	Exhibits	ID CD	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)
N10000 / Calibration Sets Equipment	P-5, P-5a, P-21	A	3 / 280.588	3 / 5.244	6 / 5.726	553 / 4.650	- / -	553 / 4.650
Total Gross/Weapon System Cost			3 / 280.588	3 / 5.244	6 / 5.726	553 / 4.650	- / -	553 / 4.650

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

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

Justification:

FY 2016 Base procurement dollars in the amount of \$4.650 million support acquisition of an up-armor capable AN/GSM-421A(V)2 Tactical Calibration System and instrument calibration software systems that are required to provide automated calibration support for various Army systems to include communications, aviation, missiles, automotive and other platforms. These calibration software systems are contained within the up-armor capable AN/GSM-421A(V)2 Tactical Calibration Shelters and the other CALSETS set configurations.

The FY 2016 funding request was reduced for \$1.082 million to account for the availability of prior year execution balances.

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

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Exhibit P-5, Cost Analysis: PB 2016 Army		Date: February 2015
Appropriation / Budget Activity / Budget Sub Activity: 2035A / 03 / 80	P-1 Line Item Number / Title: N10000 / Calibration Sets Equipment	Item Number / Title [DODIC]: N10000 / Calibration Sets Equipment

ID Code (A=Service Ready, B=Not Service Ready) : A	MDAP/MAIS Code:
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Resource Summary	Prior Years	FY 2014	FY 2015	FY 2016 Base	FY 2016 OCO	FY 2016 Total
Procurement Quantity (Units in Each)	3	3	6	553	-	553
Gross/Weapon System Cost (\$ in Millions)	280.588	5.244	5.726	4.650	-	4.650
Less PY Advance Procurement (\$ in Millions)	-	-	-	-	-	-
Net Procurement (P1) (\$ in Millions)	280.588	5.244	5.726	4.650	-	4.650
Plus CY Advance Procurement (\$ in Millions)	-	-	-	-	-	-
Total Obligation Authority (\$ in Millions)	280.588	5.244	5.726	4.650	-	4.650

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

Initial Spares (\$ in Millions)	-	-	-	-	-	-
Gross/Weapon System Unit Cost (\$ in Thousands)	93,529.333	1,748.000	954.333	8.409	-	8.409

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

Cost Elements	Prior Years			FY 2014			FY 2015			FY 2016 Base			FY 2016 OCO			FY 2016 Total		
	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)
Flyaway Cost																		
Recurring Cost																		
Program Management/Support	-	-	-	-	-	0.626	-	-	1.203	-	-	1.200	-	-	-	-	-	1.200
<i>Subtotal: Recurring Cost</i>	-	-	-	-	-	0.626	-	-	1.203	-	-	1.200	-	-	-	-	-	1.200
<i>Subtotal: Flyaway Cost</i>	-	-	-	-	-	0.626	-	-	1.203	-	-	1.200	-	-	-	-	-	1.200
Hardware Cost																		
Recurring Cost																		
AN/GSM-421A(V)2 Calibration Set ^(†)	800.000	5	4.000	800.000	1	0.800	800.000	1	0.800	-	-	-	-	-	-	-	-	-
Accelerometer Calibrator ^(†)	-	-	-	-	-	-	19.189	37	0.710	-	-	-	-	-	-	-	-	-
Electronic Counter ^(†)	-	-	-	-	-	-	7.181	171	1.228	-	-	-	-	-	-	-	-	-
Instrument Controller ^(†)	-	-	-	1.105	842	0.930	-	-	-	-	-	-	-	-	-	-	-	-
Noise Source ^(†)	-	-	-	61.000	1	0.061	-	-	-	-	-	-	-	-	-	-	-	-
Height Gage ^(†)	-	-	-	5.636	11	0.062	-	-	-	-	-	-	-	-	-	-	-	-
Calibration Software Update ^(†)	-	-	-	540.000	1	0.540	-	-	-	-	-	-	-	-	-	-	-	-
Calibration Software Environment ^(†)	-	-	-	-	-	-	-	-	-	3.596	431	1.550	-	-	-	3.596	431	1.550

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Exhibit P-5, Cost Analysis: PB 2016 Army												Date: February 2015					
Appropriation / Budget Activity / Budget Sub Activity: 2035A / 03 / 80						P-1 Line Item Number / Title: N10000 / Calibration Sets Equipment						Item Number / Title [DODIC]: N10000 / Calibration Sets Equipment					
ID Code (A=Service Ready, B=Not Service Ready) : A									MDAP/MAIS Code:								

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

Cost Elements	Prior Years			FY 2014			FY 2015			FY 2016 Base			FY 2016 OCO			FY 2016 Total		
	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)
Universal Force Calibrator ^(†)	-	-	-	112.000	5	0.560	-	-	-	-	-	-	-	-	-	-	-	-
Low Differential Pneumatic Pressure ^(†)	-	-	-	5.364	11	0.059	-	-	-	-	-	-	-	-	-	-	-	-
Pneumatic Pressure Controller/Indicator ^(†)	-	-	-	-	-	-	-	-	-	25.000	8	0.200	-	-	-	25.000	8	0.200
NGB First Unit Equipped Shortfalls	-	-	-	-	-	0.100	-	-	0.050	-	-	0.050	-	-	-	-	-	0.050
Calibration Accessories/Spt Instruments	-	-	-	-	-	0.303	-	-	0.039	-	-	0.134	-	-	-	-	-	0.134
Calibration Instruments	24,677.800	10	246.778	-	-	0.070	-	-	-	-	-	-	-	-	-	-	-	-
<i>Subtotal: Recurring Cost</i>	-	-	250.778	-	-	3.485	-	-	2.827	-	-	1.934	-	-	-	-	-	1.934
<i>Subtotal: Hardware Cost</i>	-	-	250.778	-	-	3.485	-	-	2.827	-	-	1.934	-	-	-	-	-	1.934
Package Fielding Cost																		
Recurring Cost																		
New Equipment Training/Fielding Support	-	-	0.742	-	-	0.040	-	-	0.030	-	-	0.030	-	-	-	-	-	0.030
<i>Subtotal: Recurring Cost</i>	-	-	0.742	-	-	0.040	-	-	0.030	-	-	0.030	-	-	-	-	-	0.030
Non Recurring Cost																		
Initial Spares	-	-	1.201	-	-	0.020	-	-	0.020	-	-	0.020	-	-	-	-	-	0.020
<i>Subtotal: Non Recurring Cost</i>	-	-	1.201	-	-	0.020	-	-	0.020	-	-	0.020	-	-	-	-	-	0.020
<i>Subtotal: Package Fielding Cost</i>	-	-	1.943	-	-	0.060	-	-	0.050	-	-	0.050	-	-	-	-	-	0.050
Support Cost																		
Production Engineering	-	-	6.843	-	-	0.415	-	-	0.766	-	-	0.789	-	-	-	-	-	0.789
Technical and Logistics Data/Services	-	-	10.543	-	-	0.485	-	-	0.702	-	-	0.493	-	-	-	-	-	0.493
Quality Assurance	-	-	-	-	-	0.173	-	-	0.178	-	-	0.184	-	-	-	-	-	0.184
Other Calibration Support Services	-	-	10.481	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
<i>Subtotal: Support Cost</i>	-	-	27.867	-	-	1.073	-	-	1.646	-	-	1.466	-	-	-	-	-	1.466
Gross/Weapon System Cost	93,529.333	3	280.588	1,748.000	3	5.244	954.333	6	5.726	8.409	553	4.650	-	-	-	8.409	553	4.650

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Exhibit P-5, Cost Analysis: PB 2016 Army		Date: February 2015
Appropriation / Budget Activity / Budget Sub Activity: 2035A / 03 / 80	P-1 Line Item Number / Title: N10000 / Calibration Sets Equipment	Item Number / Title [DODIC]: N10000 / Calibration Sets Equipment
ID Code (A=Service Ready, B=Not Service Ready) : A		MDAP/MAIS Code:
^(†) indicates the presence of a P-5a		

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

Appropriation / Budget Activity / Budget Sub Activity: 2035A / 03 / 80	P-1 Line Item Number / Title: N10000 / Calibration Sets Equipment	Item Number / Title [DODIC]: N10000 / Calibration Sets Equipment
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Cost Elements	O C O	FY	Contractor and Location	Method/Type or Funding Vehicle	Location of PCO	Award Date	Date of First Delivery	Qty <i>(Each)</i>	Unit Cost <i>(\$ K)</i>	Specs Avail Now?	Date Revision Available	RFP Issue Date
AN/GSM-421A(V)2 Calibration Set ^(†)		2015	Dynetics / Huntsville, AL	C / FFP	AFCC - Eglin AFB	Mar 2015	Dec 2015	1	800.000	Y		
Accelerometer Calibrator		2015	TBS (1) / TBD	SS / FFP	ACC - Redstone	May 2015	Sep 2015	37	19.189	N		
Electronic Counter		2015	TBS (1) / TBD	C / FFP	ACC - Redstone	Mar 2015	Jul 2015	171	7.181	Y		
Instrument Controller		2014	TBS (2) / TBD	C / FFP	ACC - Redstone	Dec 2014	Jan 2015	842	1.105	Y		Apr 2014
Noise Source		2014	TBS (3) / TBD	C / FFP	ACC - Redstone	Apr 2014	Jul 2014	1	61.000	Y		Feb 2014
Height Gage		2014	TBS (4) / TBD	C / FFP	ACC - Redstone	May 2014	Aug 2014	11	5.636	Y		Mar 2014
Calibration Software Update ^(†)		2014	Dynetics (2) / Huntsville, AL	C / FFP	AFCC - Eglin AFB	Jan 2015	Sep 2015	1	540.000	Y		Apr 2014
Calibration Software Environment		2016	TBS (5) / TBD	C / FFP	ACC - Redstone	May 2016	Jul 2016	431	3.596	N		Mar 2016
Universal Force Calibrator		2014	TBS (1) / TBD	C / FFP	ACC - Redstone	May 2015	Sep 2015	5	112.000	N		
Low Differential Pneumatic Pressure		2014	TBS (1) / TBD	C / FFP	ACC - Redstone	Jan 2015	Apr 2015	11	5.364	Y		
Pneumatic Pressure Controller/ Indicator		2016	TBS (6) / TBD	C / FFP	ACC - Redstone	May 2016	Jun 2016	8	25.000	N		Oct 2015

^(†) indicates the presence of a P-21

Remarks:

Numerous items are procured through the Calibration Sets Equipment program to maintain state-of-the art capabilities in the calibration sets. All equipment except the AN/GSM-421A(V)2 Calibration Set is Commercial off the Shelf (COTS).

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

Appropriation / Budget Activity / Budget Sub Activity: 2035A / 03 / 80	P-1 Line Item Number / Title: N10000 / Calibration Sets Equipment	Item Number / Title [DODIC]: N10000 / Calibration Sets Equipment
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Cost Elements <i>(Units in Each)</i>						Fiscal Year 2014												Fiscal Year 2015																										
O C C O	M F R #	FY	SERVICE	PROC QTY	ACCEPT PRIOR TO 1 OCT 2013	BAL DUE AS OF 1 OCT	Calendar Year 2014												Calendar Year 2015																									
							O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	B A L													
AN/GSM-421A(V)2 Calibration Set																																												
Prior Years Deliveries: 5																																												
	1	2015	ARMY	1	-	1																							A	-	-	-	-	-	-	-	-	-	-	-	-	-	1	
Calibration Software Update																																												
	2	2014	ARMY	1	-	1																							A	-	-	-	-	-	-	-	-	-	-	-	-	-	1	-
							O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	B A L													

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Exhibit P-21, Production Schedule: PB 2016 Army	Date: February 2015
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Appropriation / Budget Activity / Budget Sub Activity: 2035A / 03 / 80	P-1 Line Item Number / Title: N10000 / Calibration Sets Equipment	Item Number / Title [DODIC]: N10000 / Calibration Sets Equipment
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MFR Ref #	MFR Name - Location	Production Rates (Each / Month)			Procurement Leadtime (Months)							
		MSR For 2016	1-8-5 For 2016	MAX For 2016	Initial				Reorder			
					ALT Prior to Oct 1	ALT After Oct 1	Mfg PLT	Total After Oct 1	ALT Prior to Oct 1	ALT After Oct 1	Mfg PLT	Total After Oct 1
1	Dynetics - Huntsville, AL	1	3	9	-	10	7	17	-	5	9	14
2	Dynetics (2) - Huntsville, AL	1	1	1	-	8	2	10	-	-	-	-

Remarks:
Production rates are annual rates.

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

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

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

Appropriation / Budget Activity / Budget Sub Activity: 2035A: Other Procurement, Army / BA 03: Other Support Equipment / BSA 80: Test Measure and Dig Equipment (TMD)	P-1 Line Item Number / Title: MB4000 / Integrated Family Of Test Equipment (IFTE)
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ID Code (A=Service Ready, B=Not Service Ready) : A		Program Elements for Code B Items:					Other Related Program Elements:					
Resource Summary	Prior Years	FY 2014	FY 2015	FY 2016 Base	FY 2016 OCO	FY 2016 Total	FY 2017	FY 2018	FY 2019	FY 2020	To Complete	Total
Procurement Quantity (Units in Each)	604	2,016	987	1,795	-	1,795	872	619	631	508	Continuing	Continuing
Gross/Weapon System Cost (\$ in Millions)	614.650	42.460	37.482	34.487	-	34.487	30.511	27.254	26.981	27.540	Continuing	Continuing
Less PY Advance Procurement (\$ in Millions)	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P1) (\$ in Millions)	614.650	42.460	37.482	34.487	-	34.487	30.511	27.254	26.981	27.540	Continuing	Continuing
Plus CY Advance Procurement (\$ in Millions)	-	-	-	-	-	-	-	-	-	-	-	-
Total Obligation Authority (\$ in Millions)	614.650	42.460	37.482	34.487	-	34.487	30.511	27.254	26.981	27.540	Continuing	Continuing
<i>(The following Resource Summary rows are for informational purposes only. The corresponding budget requests are documented elsewhere.)</i>												
Initial Spares (\$ in Millions)	-	-	-	-	-	-	-	-	-	-	-	-
Flyaway Unit Cost (\$ in Thousands)	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Unit Cost (\$ in Thousands)	1,017.632	21.062	37.976	19.213	-	19.213	34.990	44.029	42.759	54.213	Continuing	Continuing

Description:

The Integrated Family of Test Equipment (IFTE) includes the Maintenance Support Device (MSD) for field-level support and the Next Generation Automatic Test System (NGATS) for consolidation of off-system automatic test and diagnostic equipment requirements. The IFTE systems provide electronic fault isolation, diagnostic and repair capabilities at all levels of maintenance and do it more cost effectively than system-specific testers. They are designed to and are capable of supporting multiple weapons systems. The Maintenance Support Device (MSD) fleet consists of portable rugged and light (non-rugged) test and diagnostic equipment used at all levels of maintenance to automatically diagnose electronic and automotive subsystems of the Army's ground and aviation weapon systems. The MSD systems provide test and diagnostic support and maintenance automation capabilities that are critical to the readiness of Army units and their equipment. They host interactive electronic technical manuals and expert diagnostics systems, conduct intrusive testing in support of Army weapons and electronic systems, and provide a means to upload/download mission-critical software into weapon system on-board computer electronics. The MSDs are being fielded to support approved Army force structure requirements. They will host the Digital Logbook and Global Combat Support System-Army (GCSS-A) software, provide Army maintainers the capability to connect to the logistics enterprise, and perform maintenance management in an information-enabled environment. The MSDs are the Army's standard at-system test and diagnostic equipment, are an essential maintenance tool in the support plans for the Army's ground vehicle and aviation fleets, and are in widespread use including deployed units. The NGATS is a mobile, rapidly deployable, reconfigurable general-purpose automatic test and diagnostic system which provides sustainment level maintenance testing and screening directly to the Army's major weapons systems in order to maintain the readiness and availability of those combat systems. NGATS maintains backward compatibility with previous IFTE versions, is Joint Services Next-Generation Test (NxTest) compliant, and includes interservice testing and diagnostic support capability. It is capable of satisfying field, sustainment and depot level requirements for fault isolation, diagnostics and off-system repair of current and future weapons systems. NGATS will be the single automatic test and diagnostic solution in the Army by incrementally replacing the Direct Support Electrical Systems Test Set (DSESTS), all previous IFTE Base Shop Test Facility versions, and depot system-specific automatic test equipment. It is the platform for transitioning Agile Rapid Global Combat Support System (ARGCS) technologies into the Army's weapon system support structure. The ARGCS initiative was sponsored by the Department of Defense (DoD), and all Services are expected to transition demonstrated technologies into their automatic test system (ATS) programs. The NGATS eliminates the requirement for the 1970s era DSESTS and reduces the associated logistics burden and cost of support. It implements a modern test and diagnostic capability to support the new generation of ground-based targeting and observation sensor packages for individual, crew and intelligence gathering systems and equipment such as Stryker Remote Weapons Station (RWS), Improved Tube-launched Optically-tracked Wire-guided missile (TOW) Acquisition System (ITAS), Common Remotely Operated Weapons Station (CROWS) and Common Missile Warning System (CMWS) and also has the ability to improve the testing and diagnostic support of legacy weapons systems.

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

Appropriation / Budget Activity / Budget Sub Activity: 2035A: Other Procurement, Army / BA 03: Other Support Equipment / BSA 80: Test Measure and Dig Equipment (TMD) **P-1 Line Item Number / Title:** MB4000 / Integrated Family Of Test Equipment (IFTE)

ID Code (A=Service Ready, B=Not Service Ready) : A			Program Elements for Code B Items:			Other Related Program Elements:		
Exhibits Schedule			Prior Years	FY 2014	FY 2015	FY 2016 Base	FY 2016 OCO	FY 2016 Total
Title*	Exhibits	ID CD	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)
MB4002 / Maintenance Support Device	P-5, P-5a, P-21	A	600 / 531.825	2,015 / 23.760	983 / 24.643	1,792 / 23.852	- / -	1,792 / 23.852
MB4004 / Next Generation Automatic Test System (NGATS)	P-5, P-5a, P-21	B	4 / 82.825	1 / 18.700	4 / 12.839	3 / 10.635	- / -	3 / 10.635
Total Gross/Weapon System Cost			604 / 614.650	2,016 / 42.460	987 / 37.482	1,795 / 34.487	- / -	1,795 / 34.487

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

Justification:
 FY 2016 Base procurement dollars in the amount of \$34.487 million support acquisition of equipment to satisfy critical test and diagnostic requirements of Army warfighting systems such as Multiple Launch Rocket System, Mine-Resistant Ambush-Protected vehicle, Stryker, Patriot, Kiowa Warrior, Apache, Abrams, Bradley, Black Hawk, Chinook, and the Family of Medium Tactical Vehicles. Funding procures equipment and materiel to support a balanced investment strategy for the Army's approved force structure requirements.

The FY 2016 funding request was reduced for \$1.936 million to account for the availability of prior year execution balances.

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

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Exhibit P-5, Cost Analysis: PB 2016 Army													Date: February 2015								
Appropriation / Budget Activity / Budget Sub Activity: 2035A / 03 / 80						P-1 Line Item Number / Title: MB4000 / Integrated Family Of Test Equipment (IFTE)						Item Number / Title [DODIC]: MB4002 / Maintenance Support Device									
ID Code (A=Service Ready, B=Not Service Ready) : A									MDAP/MAIS Code:												
Resource Summary				Prior Years			FY 2014			FY 2015			FY 2016 Base			FY 2016 OCO			FY 2016 Total		
Procurement Quantity (Units in Each)				600			2,015			983			1,792			-			1,792		
Gross/Weapon System Cost (\$ in Millions)				531.825			23.760			24.643			23.852			-			23.852		
Less PY Advance Procurement (\$ in Millions)				-			-			-			-			-			-		
Net Procurement (P1) (\$ in Millions)				531.825			23.760			24.643			23.852			-			23.852		
Plus CY Advance Procurement (\$ in Millions)				-			-			-			-			-			-		
Total Obligation Authority (\$ in Millions)				531.825			23.760			24.643			23.852			-			23.852		
<i>(The following Resource Summary rows are for informational purposes only. The corresponding budget requests are documented elsewhere.)</i>																					
Initial Spares (\$ in Millions)				-			-			-			-			-			-		
Gross/Weapon System Unit Cost (\$ in Thousands)				886.375			11.792			25.069			13.310			-			13.310		
Note: Subtotals or Totals in this Exhibit P-5 may not be exact or add, due to rounding.																					
Cost Elements		Prior Years			FY 2014			FY 2015			FY 2016 Base			FY 2016 OCO			FY 2016 Total				
		Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)		
Flyaway Cost																					
Recurring Cost																					
Program Management/Support		-	-	1.667	-	-	0.815	-	-	0.830	-	-	0.779	-	-	-	-	-	0.779		
<i>Subtotal: Recurring Cost</i>		-	-	1.667	-	-	0.815	-	-	0.830	-	-	0.779	-	-	-	-	-	0.779		
<i>Subtotal: Flyaway Cost</i>		-	-	1.667	-	-	0.815	-	-	0.830	-	-	0.779	-	-	-	-	-	0.779		
Hardware Cost																					
Recurring Cost																					
MSD/MSD Internal Com Eng (ICE) (Rugged) ^(†)		16.400	18,874	309.535	9.201	2,015	18.541	12.914	1,074	13.870	-	-	-	-	-	-	-	-	-		
MSD/MSD Internal Com Eng (ICE) (Light) ^(†)		-	-	4.350	-	-	-	7.623	579	4.414	8.629	1,792	15.464	-	-	-	8.629	1,792	15.464		
<i>Subtotal: Recurring Cost</i>		-	-	313.884	-	-	18.540	-	-	18.283	-	-	15.463	-	-	-	-	-	15.463		
<i>Subtotal: Hardware Cost</i>		-	-	313.884	-	-	18.540	-	-	18.283	-	-	15.463	-	-	-	-	-	15.463		
Package Fielding Cost																					
Recurring Cost																					
New Equipment Training/Fielding Support		-	-	2.394	-	-	0.714	-	-	0.728	-	-	0.532	-	-	-	-	-	0.532		
Shipping Equipment to the Field		-	-	0.214	-	-	0.138	-	-	0.146	-	-	0.110	-	-	-	-	-	0.110		
Initial Spares		-	-	-	-	-	-	-	-	0.820	-	-	0.296	-	-	-	-	-	0.296		

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Exhibit P-5, Cost Analysis: PB 2016 Army												Date: February 2015					
Appropriation / Budget Activity / Budget Sub Activity: 2035A / 03 / 80						P-1 Line Item Number / Title: MB4000 / Integrated Family Of Test Equipment (IFTE)						Item Number / Title [DODIC]: MB4002 / Maintenance Support Device					
ID Code (A=Service Ready, B=Not Service Ready) : A												MDAP/MAIS Code:					

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

Cost Elements	Prior Years			FY 2014			FY 2015			FY 2016 Base			FY 2016 OCO			FY 2016 Total		
	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)
<i>Subtotal: Recurring Cost</i>	-	-	2.608	-	-	0.852	-	-	1.694	-	-	0.938	-	-	-	-	-	0.938
<i>Subtotal: Package Fielding Cost</i>	-	-	2.608	-	-	0.852	-	-	1.694	-	-	0.938	-	-	-	-	-	0.938
Support Cost																		
Systems/Production Engineering	-	-	6.129	-	-	2.840	-	-	2.990	-	-	4.811	-	-	-	-	-	4.811
Technical and Logistics Data/Services	-	-	0.817	-	-	0.255	-	-	0.381	-	-	1.427	-	-	-	-	-	1.427
Information Assurance	-	-	0.300	-	-	0.366	-	-	0.374	-	-	0.346	-	-	-	-	-	0.346
Quality Assurance	-	-	0.283	-	-	0.091	-	-	0.090	-	-	0.087	-	-	-	-	-	0.087
Other Program Costs	-	-	206.137	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
<i>Subtotal: Support Cost</i>	-	-	213.666	-	-	3.552	-	-	3.835	-	-	6.671	-	-	-	-	-	6.671
Gross/Weapon System Cost	886.375	600	531.825	11.792	2,015	23.760	25.069	983	24.643	13.310	1,792	23.852	-	-	13.310	1,792	23.852	

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

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

Appropriation / Budget Activity / Budget Sub Activity: 2035A / 03 / 80	P-1 Line Item Number / Title: MB4000 / Integrated Family Of Test Equipment (IFTE)	Item Number / Title [DODIC]: MB4002 / Maintenance Support Device
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Cost Elements	O C O	FY	Contractor and Location	Method/Type or Funding Vehicle	Location of PCO	Award Date	Date of First Delivery	Qty <i>(Each)</i>	Unit Cost <i>(\$ K)</i>	Specs Avail Now?	Date Revision Available	RFP Issue Date
MSD/MSD Internal Com Eng (ICE) (Rugged) ^(†)		2014	Miltope Corporation / Hope Hull, AL	C / FFP	ACC-Picatiny	Jan 2014	Jun 2014	2,015	9.201	Y		
MSD/MSD Internal Com Eng (ICE) (Rugged) ^(†)		2015	Miltope Corporation / Hope Hull, AL	C / FFP	ACC-Picatiny	Jun 2015	Dec 2015	1,074	12.914	N		
MSD/MSD Internal Com Eng (ICE) (Light) ^(†)		2015	Redstone Defense Systems / Huntsville, AL	C / FFP	ACC-Redstone	May 2015	Sep 2015	579	7.623	N		
MSD/MSD Internal Com Eng (ICE) (Light) ^(†)		2016	Redstone Defense Systems / Huntsville, AL	C / FFP	ACC-Redstone	Jan 2016	May 2016	1,792	8.629	N		

^(†) indicates the presence of a P-21

Remarks:

The MSDs planned for procurement in FY16 will be the MSD V3 of the At-platform tester with specification revisions to meet current Army requirements.

Unit costs vary from year to year depending upon the configurations purchased to meet projected fielding requirements. Maintenance Support Device (MSD) systems are costed and programmed normally at an average ratio of 65 percent rugged and 35 percent light with 60 percent of the total MSD fleet equipped with an Internal Combustion Engine (ICE) test adapter kit (MSD-ICE).

The difference in the independent government estimated unit cost for the MSD (Light) between FY15 and FY16 is primarily attributed to the introduction of an enhanced sensor which will have an integrated processor and memory versus the current receiver-transmitter device.

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Exhibit P-21, Production Schedule: PB 2016 Army	Date: February 2015
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Appropriation / Budget Activity / Budget Sub Activity: 2035A / 03 / 80	P-1 Line Item Number / Title: MB4000 / Integrated Family Of Test Equipment (IFTE)	Item Number / Title [DODIC]: MB4002 / Maintenance Support Device
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MFR Ref #	MFR Name - Location	Production Rates (Each / Month)			Procurement Leadtime (Months)							
		MSR For 2016	1-8-5 For 2016	MAX For 2016	Initial				Reorder			
					ALT Prior to Oct 1	ALT After Oct 1	Mfg PLT	Total After Oct 1	ALT Prior to Oct 1	ALT After Oct 1	Mfg PLT	Total After Oct 1
1	Miltope Corporation - Hope Hull, AL	2,400	3,600	13,680	-	6	3	9	-	5	6	11
2	Redstone Defense Systems - Huntsville, AL	250	500	1,500	-	4	4	8	-	4	4	8

Remarks:
Production rates are annual rates. This item is being procured by other customers from the same production line; therefore, orders below the minimum production rate or lower than the 1-8-5 rate are economical.

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

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Exhibit P-5, Cost Analysis: PB 2016 Army		Date: February 2015
Appropriation / Budget Activity / Budget Sub Activity: 2035A / 03 / 80	P-1 Line Item Number / Title: MB4000 / Integrated Family Of Test Equipment (IFTE)	Item Number / Title [DODIC]: MB4004 / Next Generation Automatic Test System (NGATS)

ID Code (A=Service Ready, B=Not Service Ready) : B	MDAP/MAIS Code:
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Resource Summary	Prior Years	FY 2014	FY 2015	FY 2016 Base	FY 2016 OCO	FY 2016 Total
Procurement Quantity (Units in Each)	4	1	4	3	-	3
Gross/Weapon System Cost (\$ in Millions)	82.825	18.700	12.839	10.635	-	10.635
Less PY Advance Procurement (\$ in Millions)	-	-	-	-	-	-
Net Procurement (P1) (\$ in Millions)	82.825	18.700	12.839	10.635	-	10.635
Plus CY Advance Procurement (\$ in Millions)	-	-	-	-	-	-
Total Obligation Authority (\$ in Millions)	82.825	18.700	12.839	10.635	-	10.635

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

Initial Spares (\$ in Millions)	-	-	-	-	-	-
Gross/Weapon System Unit Cost (\$ in Thousands)	20,706.250	18,700.000	3,209.750	3,545.000	-	3,545.000

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

Cost Elements	Prior Years			FY 2014			FY 2015			FY 2016 Base			FY 2016 OCO			FY 2016 Total		
	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)
Flyaway Cost																		
Recurring Cost																		
Program Management/Support	-	-	1.383	-	-	1.500	-	-	0.800	-	-	0.828	-	-	-	-	-	0.828
<i>Subtotal: Recurring Cost</i>	-	-	1.383	-	-	1.500	-	-	0.800	-	-	0.828	-	-	-	-	-	0.828
<i>Subtotal: Flyaway Cost</i>	-	-	1.383	-	-	1.500	-	-	0.800	-	-	0.828	-	-	-	-	-	0.828
Hardware Cost																		
Recurring Cost																		
Next Generation Automatic Test System ^(†)	6,400.000	2	12.800	1,500.000	1	1.500	1,500.000	4	6.000	2,500.000	3	7.500	-	-	-	2,500.000	3	7.500
<i>Subtotal: Recurring Cost</i>	-	-	12.800	-	-	1.500	-	-	6.000	-	-	7.500	-	-	-	-	-	7.500
<i>Subtotal: Hardware Cost</i>	-	-	12.800	-	-	1.500	-	-	6.000	-	-	7.500	-	-	-	-	-	7.500
Package Fielding Cost																		
Non Recurring Cost																		
Initial Spares	-	-	9.127	-	-	2.480	-	-	2.000	-	-	-	-	-	-	-	-	-
<i>Subtotal: Non Recurring Cost</i>	-	-	9.127	-	-	2.480	-	-	2.000	-	-	-	-	-	-	-	-	-
<i>Subtotal: Package Fielding Cost</i>	-	-	9.127	-	-	2.480	-	-	2.000	-	-	-	-	-	-	-	-	-
Support Cost																		
Systems/Production Engineering	-	-	8.029	-	-	2.720	-	-	1.039	-	-	1.030	-	-	-	-	-	1.030

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Exhibit P-5, Cost Analysis: PB 2016 Army		Date: February 2015
Appropriation / Budget Activity / Budget Sub Activity: 2035A / 03 / 80	P-1 Line Item Number / Title: MB4000 / Integrated Family Of Test Equipment (IFTE)	Item Number / Title [DODIC]: MB4004 / Next Generation Automatic Test System (NGATS)
ID Code (A=Service Ready, B=Not Service Ready) : B		MDAP/MAIS Code:

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

Cost Elements	Prior Years			FY 2014			FY 2015			FY 2016 Base			FY 2016 OCO			FY 2016 Total		
	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)
Software Engineering/ Support	-	-	2.500	-	-	0.500	-	-	-	-	-	-	-	-	-	-	-	-
Test Program Set Support	-	-	10.929	-	-	7.600	-	-	0.500	-	-	-	-	-	-	-	-	-
Technical and Logistics Data/Services	-	-	-	-	-	2.400	-	-	2.500	-	-	1.277	-	-	-	-	-	1.277
Other Support Services	-	-	38.057	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
<i>Subtotal: Support Cost</i>	-	-	59.515	-	-	13.220	-	-	4.039	-	-	2.307	-	-	-	-	-	2.307
Gross/Weapon System Cost	20,706.250	4	82.825	18,700.000	1	18.700	3,209.750	4	12.839	3,545.000	3	10.635	-	-	-	3,545.000	3	10.635

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

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

Appropriation / Budget Activity / Budget Sub Activity: 2035A / 03 / 80	P-1 Line Item Number / Title: MB4000 / Integrated Family Of Test Equipment (IFTE)	Item Number / Title [DODIC]: MB4004 / Next Generation Automatic Test System (NGATS)
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Cost Elements	O C O	FY	Contractor and Location	Method/Type or Funding Vehicle	Location of PCO	Award Date	Date of First Delivery	Qty <i>(Each)</i>	Unit Cost <i>(\$ K)</i>	Specs Avail Now?	Date Revision Available	RFP Issue Date
Next Generation Automatic Test System ^(†)		2014	Boeing / St. Louis	C / FFP	ACC - Picatinny	Sep 2014	Aug 2015	1	1,500.000	Y		Mar 2014
Next Generation Automatic Test System ^(†)		2015	Boeing / St. Louis	C / FFP	ACC - Picatinny	Jan 2015	Sep 2015	4	1,500.000	Y		Mar 2014
Next Generation Automatic Test System ^(†)		2016	Boeing / St. Louis	C / FFP	ACC - Picatinny	Jan 2016	Sep 2016	3	2,500.000	Y		Mar 2014

^(†) indicates the presence of a P-21

Remarks:

The systems to be procured in FY 15 and FY 16 will be free-standing (non-sheltered) versions for fielding to Army depots. The unit cost for the free-standing version is lower since it avoids the shelter and integration cost associated with the mobile version.

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Exhibit P-21, Production Schedule: PB 2016 Army															Date: February 2015														
Appropriation / Budget Activity / Budget Sub Activity: 2035A / 03 / 80										P-1 Line Item Number / Title: MB4000 / Integrated Family Of Test Equipment (IFTE)										Item Number / Title [DODIC]: MB4004 / Next Generation Automatic Test System (NGATS)									

Cost Elements <i>(Units in Each)</i>						Fiscal Year 2014												Fiscal Year 2015												
O C C O	M F R #	FY	SERVICE	PROC QTY	ACCEPT PRIOR TO 1 OCT 2013	BAL DUE AS OF 1 OCT	Calendar Year 2014												Calendar Year 2015											
							O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P

Next Generation Automatic Test System

Prior Years Deliveries: 2																													
1	2014	ARMY	1	-	1																								
1	2015	ARMY	4	-	4																								
1	2016	ARMY	3	-	3																								

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Exhibit P-21, Production Schedule: PB 2016 Army							Date: February 2015					
Appropriation / Budget Activity / Budget Sub Activity: 2035A / 03 / 80				P-1 Line Item Number / Title: MB4000 / Integrated Family Of Test Equipment (IFTE)				Item Number / Title [DODIC]: MB4004 / Next Generation Automatic Test System (NGATS)				

MFR Ref #	MFR Name - Location	Production Rates (Each / Month)			Procurement Leadtime (Months)							
		MSR For 2016	1-8-5 For 2016	MAX For 2016	Initial			Reorder				
					ALT Prior to Oct 1	ALT After Oct 1	Mfg PLT	ALT Prior to Oct 1	ALT After Oct 1	Mfg PLT	Total After Oct 1	
1	Boeing - St. Louis	1	10	30	-	4	8	12	-	4	8	12

Remarks:

Production rates are annual rates.

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

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

UNCLASSIFIED

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

Appropriation / Budget Activity / Budget Sub Activity: 2035A: Other Procurement, Army / BA 03: Other Support Equipment / BSA 80: Test Measure and Dig Equipment (TMD) **P-1 Line Item Number / Title:** N11000 / Test Equipment Modernization (TEMOD)

ID Code (A=Service Ready, B=Not Service Ready) : A		Program Elements for Code B Items:					Other Related Program Elements:					
Resource Summary	Prior Years	FY 2014	FY 2015	FY 2016 Base	FY 2016 OCO	FY 2016 Total	FY 2017	FY 2018	FY 2019	FY 2020	To Complete	Total
Procurement Quantity <i>(Units in Each)</i>	7,403	1,788	675	482	-	482	1,273	390	90	97	Continuing	Continuing
Gross/Weapon System Cost <i>(\$ in Millions)</i>	285.493	17.881	13.061	11.083	-	11.083	18.354	16.816	14.771	15.363	Continuing	Continuing
Less PY Advance Procurement <i>(\$ in Millions)</i>	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P1) <i>(\$ in Millions)</i>	285.493	17.881	13.061	11.083	-	11.083	18.354	16.816	14.771	15.363	Continuing	Continuing
Plus CY Advance Procurement <i>(\$ in Millions)</i>	-	-	-	-	-	-	-	-	-	-	-	-
Total Obligation Authority <i>(\$ in Millions)</i>	285.493	17.881	13.061	11.083	-	11.083	18.354	16.816	14.771	15.363	Continuing	Continuing

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

Initial Spares <i>(\$ in Millions)</i>	-	-	-	-	-	-	-	-	-	-	-	-
Flyaway Unit Cost <i>(\$ in Thousands)</i>	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Unit Cost <i>(\$ in Thousands)</i>	38.565	10.001	19.350	22.994	-	22.994	14.418	43.118	164.122	158.381	Continuing	Continuing

Description:

The Test Equipment Modernization (TEMOD) program improves the materiel readiness of Army weapon systems, minimizes general-purpose Test, Measurement, and Diagnostic Equipment (TMDE) proliferation and obsolescence and also reduces the Army's operation and support costs. These objectives are accomplished through the cost-effective acquisition of state-of-the-art test equipment that is employed for verifying accuracy, operability and safety of Army weapon systems and for supporting these systems at all maintenance levels. The TEMOD program procures general-purpose TMDE that supports all Army commodities and is essential to the continued support of weapon system platforms such as the Abrams Tank, Bradley Fighting Vehicle, Apache Helicopter, Patriot, and Single-Channel Ground and Airborne Radio System, as well as other weapon systems scheduled for fielding to the current and future forces.

Army Acquisition Objective (AAO): Telecommunications System Test Set - 484; Oscilloscope (High End) - 1550; Oscilloscope (Low End) - 1294; Optical Time Domain Reflectometer - 127; RF Power Meter - 586; PRM-36 - 8103.

UNCLASSIFIED

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

Appropriation / Budget Activity / Budget Sub Activity:
2035A: Other Procurement, Army / BA 03: Other Support Equipment / BSA 80: Test Measure and Dig Equipment (TMD) **P-1 Line Item Number / Title:**
N11000 / Test Equipment Modernization (TEMOD)

ID Code (A=Service Ready, B=Not Service Ready) : A			Program Elements for Code B Items:			Other Related Program Elements:		
Exhibits Schedule			Prior Years	FY 2014	FY 2015	FY 2016 Base	FY 2016 OCO	FY 2016 Total
Title*	Exhibits	ID CD	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)
N11000 / Test Equipment Modernization (TEMOD)	P-5, P-5a	A	7,403 / 285.493	1,788 / 17.881	675 / 13.061	482 / 11.083	- / -	482 / 11.083
Total Gross/Weapon System Cost			7,403 / 285.493	1,788 / 17.881	675 / 13.061	482 / 11.083	- / -	482 / 11.083

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

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

Justification:
FY 2016 Base procurement dollars in the amount of \$11.083 million supports acquisition of additional quantities of the Telecommunications System Test Set, High End Oscilloscope, Low End Oscilloscope and initial quantities of the Optical Time Domain Reflectometer. The Telecommunications System Test Set analyzes signal quality between communication systems to ensure data exchange accurately. The High End Oscilloscope will be used to test, adjust, repair and align communications and electronic systems. The Low End Oscilloscope will be portable and used to test, adjust, repair, and align communications and electronic systems. The Optical Time Domain Reflectometer characterizes a communication system optical fiber's length, overall attenuation, and locates faults such as breaks. Lack of these capabilities will impact unit readiness levels and incur unnecessary risks for Army personnel and equipment. FY 2016 dollars will also be used to begin addressing the need for a bench level radio test set. By using a streamlined acquisition process, the TEMOD program realizes discounts of up to 55 percent from the manufacturers' suggested retail prices.

The FY 2016 funding request was reduced by \$0.234 million to account for the availability of prior year execution balances.

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

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Exhibit P-5, Cost Analysis: PB 2016 Army		Date: February 2015
Appropriation / Budget Activity / Budget Sub Activity: 2035A / 03 / 80		P-1 Line Item Number / Title: N11000 / Test Equipment Modernization (TEMOD)
		Item Number / Title [DODIC]: N11000 / Test Equipment Modernization (TEMOD)

ID Code (A=Service Ready, B=Not Service Ready) : A	MDAP/MAIS Code:
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Resource Summary	Prior Years	FY 2014	FY 2015	FY 2016 Base	FY 2016 OCO	FY 2016 Total
Procurement Quantity (Units in Each)	7,403	1,788	675	482	-	482
Gross/Weapon System Cost (\$ in Millions)	285.493	17.881	13.061	11.083	-	11.083
Less PY Advance Procurement (\$ in Millions)	-	-	-	-	-	-
Net Procurement (P1) (\$ in Millions)	285.493	17.881	13.061	11.083	-	11.083
Plus CY Advance Procurement (\$ in Millions)	-	-	-	-	-	-
Total Obligation Authority (\$ in Millions)	285.493	17.881	13.061	11.083	-	11.083

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

Initial Spares (\$ in Millions)	-	-	-	-	-	-
Gross/Weapon System Unit Cost (\$ in Thousands)	38.565	10.001	19.350	22.994	-	22.994

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

Cost Elements	Prior Years			FY 2014			FY 2015			FY 2016 Base			FY 2016 OCO			FY 2016 Total		
	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)
Flyaway Cost																		
Recurring Cost																		
Program Mgmt/ Support	-	-	18.055	-	-	0.900	-	-	0.750	-	-	0.750	-	-	-	-	-	0.750
<i>Subtotal: Recurring Cost</i>	-	-	18.055	-	-	0.900	-	-	0.750	-	-	0.750	-	-	-	-	-	0.750
<i>Subtotal: Flyaway Cost</i>	-	-	18.055	-	-	0.900	-	-	0.750	-	-	0.750	-	-	-	-	-	0.750
Hardware Cost																		
Recurring Cost																		
Telecommunications System Test Set ^(†)	-	-	-	35.000	95	3.325	35.000	190	6.650	35.000	107	3.745	-	-	-	35.000	107	3.745
Radio Test Set PRM-36 ^(†)	1.702	2,420	4.120	1.700	883	1.501	-	-	-	-	-	-	-	-	-	-	-	-
Oscilloscope High End OS-305 ^(†)	-	-	-	8.440	200	1.688	8.440	125	1.055	11.000	260	2.860	-	-	-	11.000	260	2.860
RF Power Meter Test Set ^(†)	-	-	-	6.502	305	1.983	-	-	-	-	-	-	-	-	-	-	-	-
Oscilloscope Low End OS-307 ^(†)	-	-	-	3.500	350	1.225	3.500	360	1.260	3.505	105	0.368	-	-	-	3.505	105	0.368
Optical Time Domain Reflectometer ^(†)	-	-	-	-	-	-	-	-	-	25.800	10	0.258	-	-	-	25.800	10	0.258
Support Equipment	23.691	9,695	229.680	-	-	0.596	-	-	-	-	-	-	-	-	-	-	-	-
<i>Subtotal: Recurring Cost</i>	-	-	233.803	-	-	10.318	-	-	8.965	-	-	7.231	-	-	-	-	-	7.231

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Exhibit P-5, Cost Analysis: PB 2016 Army												Date: February 2015					
Appropriation / Budget Activity / Budget Sub Activity: 2035A / 03 / 80						P-1 Line Item Number / Title: N11000 / Test Equipment Modernization (TEMOD)						Item Number / Title [DODIC]: N11000 / Test Equipment Modernization (TEMOD)					
ID Code (A=Service Ready, B=Not Service Ready) : A												MDAP/MAIS Code:					

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

Cost Elements	Prior Years			FY 2014			FY 2015			FY 2016 Base			FY 2016 OCO			FY 2016 Total		
	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)
<i>Subtotal: Hardware Cost</i>	-	-	233.803	-	-	10.318	-	-	8.965	-	-	7.231	-	-	-	-	-	7.231
Package Fielding Cost																		
Recurring Cost																		
New Equipment Training/Fielding Support	-	-	1.746	-	-	0.500	-	-	0.500	-	-	0.500	-	-	-	-	-	0.500
Other Government Agencies	-	-	0.560	-	-	0.550	-	-	-	-	-	0.100	-	-	-	-	-	0.100
<i>Subtotal: Recurring Cost</i>	-	-	2.306	-	-	1.050	-	-	0.500	-	-	0.600	-	-	-	-	-	0.600
Non Recurring Cost																		
Initial Spares	-	-	0.663	-	-	0.110	-	-	0.050	-	-	0.100	-	-	-	-	-	0.100
<i>Subtotal: Non Recurring Cost</i>	-	-	0.663	-	-	0.110	-	-	0.050	-	-	0.100	-	-	-	-	-	0.100
<i>Subtotal: Package Fielding Cost</i>	-	-	2.969	-	-	1.160	-	-	0.550	-	-	0.700	-	-	-	-	-	0.700
Support Cost																		
Production Engineering	-	-	1.318	-	-	1.570	-	-	1.068	-	-	1.070	-	-	-	-	-	1.070
Technical and Logistics Data/Services	-	-	6.278	-	-	0.600	-	-	0.600	-	-	-	-	-	-	-	-	-
Publications	-	-	2.446	-	-	1.275	-	-	0.900	-	-	0.650	-	-	-	-	-	0.650
Quality Assurance	-	-	0.100	-	-	0.100	-	-	0.100	-	-	0.100	-	-	-	-	-	0.100
Warranties	-	-	3.009	-	-	1.558	-	-	0.128	-	-	0.550	-	-	-	-	-	0.550
Maintenance Fixtures	-	-	3.388	-	-	0.400	-	-	-	-	-	0.032	-	-	-	-	-	0.032
Other Service Support	-	-	14.127	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
<i>Subtotal: Support Cost</i>	-	-	30.666	-	-	5.503	-	-	2.796	-	-	2.402	-	-	-	-	-	2.402
Gross/Weapon System Cost	38.565	7,403	285.493	10.001	1,788	17.881	19.350	675	13.061	22.994	482	11.083	-	-	-	22.994	482	11.083

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

UNCLASSIFIED

Exhibit P-5a, Procurement History and Planning: PB 2016 Army							Date: February 2015					
Appropriation / Budget Activity / Budget Sub Activity: 2035A / 03 / 80			P-1 Line Item Number / Title: N11000 / Test Equipment Modernization (TEMOD)				Item Number / Title [DODIC]: N11000 / Test Equipment Modernization (TEMOD)					
Cost Elements	O C O	FY	Contractor and Location	Method/Type or Funding Vehicle	Location of PCO	Award Date	Date of First Delivery	Qty <i>(Each)</i>	Unit Cost <i>(\$ K)</i>	Specs Avail Now?	Date Revision Available	RFP Issue Date
Telecommunications System Test Set		2014	TBS-1 / TBD	C / FFP	ACC-New Jersey	Jun 2016	Jun 2017	95	35.000	Y		
Telecommunications System Test Set		2015	TBS-1 / TBD	C / FFP	ACC-New Jersey	Jun 2017	Jan 2018	190	35.000	Y		
Telecommunications System Test Set		2016	TBS-1 / TBD	C / FFP	ACC-New Jersey	Jun 2016	Jan 2017	107	35.000	Y		
Radio Test Set PRM-36		2014	DRS Sustainment Systems, Inc. / St. Louis, MO	C / FFP	ACC-Redstone	Dec 2014	Mar 2016	883	1.700			
Oscilloscope High End OS-305		2014	TBS-2 / TBD	C / FFP	ACC-Redstone	Mar 2015	Jul 2015	200	8.440	Y		Dec 2014
Oscilloscope High End OS-305		2015	TBS-2 / TBD	C / FFP	ACC-Redstone	Sep 2015	Jan 2016	125	8.440	Y		
Oscilloscope High End OS-305		2016	TBS-2 / TBD	C / FFP	ACC-Redstone	Mar 2016	Jul 2016	260	11.000	Y		
RF Power Meter Test Set		2014	TBS-3 / TBD	C / FFP	ACC-Redstone	Mar 2015	Jul 2015	305	6.502	Y		Jun 2014
Oscilloscope Low End OS-307		2014	TBS-4 / TBD	C / FFP	ACC-Redstone	May 2015	Nov 2015	350	3.500	Y		Aug 2014
Oscilloscope Low End OS-307		2015	TBS-4 / TBD	C / FFP	ACC-Redstone	Nov 2015	Sep 2016	360	3.500	Y		
Oscilloscope Low End OS-307		2016	TBS-4 / TBD	C / FFP	ACC-Redstone	Mar 2016	Sep 2016	105	3.505	Y		
Optical Time Domain Reflectometer		2016	TBS-5 / TBD	C / FFP	ACC-Redstone	Jun 2016	Sep 2016	10	25.800	N	Jul 2015	Mar 2016

Remarks:

The Radio Test Set, RF Power Meter Test Set, Telecommunications System Test Set, High End Oscilloscope, Low End Oscilloscope and Optical Time Domain Reflectometer are commercial off-the-shelf (COTS) items.

UNCLASSIFIED

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

Appropriation / Budget Activity / Budget Sub Activity: 2035A: Other Procurement, Army / BA 03: Other Support Equipment / BSA 90: Other Support Equipment	P-1 Line Item Number / Title: M62550 / M25 STABILIZED BINOCULAR
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ID Code (A=Service Ready, B=Not Service Ready) : A	Program Elements for Code B Items:	Other Related Program Elements:
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Resource Summary	Prior Years	FY 2014	FY 2015	FY 2016 Base	FY 2016 OCO	FY 2016 Total	FY 2017	FY 2018	FY 2019	FY 2020	To Complete	Total
Procurement Quantity <i>(Units in Each)</i>	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Cost <i>(\$ in Millions)</i>	16.349	5.110	-	-	-	-	-	-	-	-	-	21.459
Less PY Advance Procurement <i>(\$ in Millions)</i>	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P1) <i>(\$ in Millions)</i>	16.349	5.110	-	-	-	-	-	-	-	-	-	21.459
Plus CY Advance Procurement <i>(\$ in Millions)</i>	-	-	-	-	-	-	-	-	-	-	-	-
Total Obligation Authority <i>(\$ in Millions)</i>	16.349	5.110	-	-	-	-	-	-	-	-	-	21.459

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

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

Description:

The Stabilized Binocular provides the Soldier, both mounted and dismounted, with enhanced target acquisition capability. The M25 is a high powered (14X magnification), hand held binocular which uses a gyro stabilizer to compensate for resolution degrading effects of using a hand held high powered optic and/or certain moving vehicular scenarios. The M25A1 is a smaller, lighter weight stabilized binocular which will allow the warfighter to more effectively perform mission than with the heavier version of the M25. The authorized Army Acquisition Objective (AAO) is 18,200.

Secondary Distribution	FY 2014	FY 2015	FY 2016 Base	FY 2016 OCO	FY 2016 Total	FY 2017	FY 2018	FY 2019	FY 2020
Army									
Quantity	-	-	-	-	-	-	-	-	-
Total Obligation Authority	5.110	-	-	-	-	-	-	-	-
Total:									
Secondary Distribution									
Quantity	-	-	-	-	-	-	-	-	-
Total Obligation Authority	5.110	-	-	-	-	-	-	-	-

UNCLASSIFIED

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

Appropriation / Budget Activity / Budget Sub Activity: 2035A: Other Procurement, Army / BA 03: Other Support Equipment / BSA 90: Other Support Equipment	P-1 Line Item Number / Title: M62550 / M25 STABILIZED BINOCULAR
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ID Code (A=Service Ready, B=Not Service Ready) : A			Program Elements for Code B Items:			Other Related Program Elements:		
Exhibits Schedule			Prior Years	FY 2014	FY 2015	FY 2016 Base	FY 2016 OCO	FY 2016 Total
Title*	Exhibits	ID CD	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)
M62550 / M25 STABILIZED BINOCULAR	P-5, P-5a, P-21	A	- / 16.349	- / 5.110	- / -	- / -	- / -	- / -
Total Gross/Weapon System Cost			- / 16.349	- / 5.110	- / -	- / -	- / -	- / -

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

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

Justification:
 FY16 has no procurement funding.

UNCLASSIFIED

Exhibit P-5, Cost Analysis: PB 2016 Army		Date: February 2015
Appropriation / Budget Activity / Budget Sub Activity: 2035A / 03 / 90	P-1 Line Item Number / Title: M62550 / M25 STABILIZED BINOCULAR	Item Number / Title [DODIC]: M62550 / M25 STABILIZED BINOCULAR

ID Code (A=Service Ready, B=Not Service Ready) : A	MDAP/MAIS Code:
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Resource Summary	Prior Years	FY 2014	FY 2015	FY 2016 Base	FY 2016 OCO	FY 2016 Total
Procurement Quantity (Units in Each)	-	-	-	-	-	-
Gross/Weapon System Cost (\$ in Millions)	16.349	5.110	-	-	-	-
Less PY Advance Procurement (\$ in Millions)	-	-	-	-	-	-
Net Procurement (P1) (\$ in Millions)	16.349	5.110	-	-	-	-
Plus CY Advance Procurement (\$ in Millions)	-	-	-	-	-	-
Total Obligation Authority (\$ in Millions)	16.349	5.110	-	-	-	-

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

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

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

Cost Elements	Prior Years			FY 2014			FY 2015			FY 2016 Base			FY 2016 OCO			FY 2016 Total		
	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)
Flyaway Cost																		
Recurring Cost																		
1. M25/A1 Stabilized Binocular ^(†)	-	-	14.084	4.041	732	2.958	-	-	-	-	-	-	-	-	-	-	-	-
2. Production Engineering	-	-	1.819	-	-	1.502	-	-	-	-	-	-	-	-	-	-	-	-
3. Program Management Support	-	-	0.086	-	-	0.250	-	-	-	-	-	-	-	-	-	-	-	-
4. Integrated Logistics Support (ILS)	-	-	0.160	-	-	0.400	-	-	-	-	-	-	-	-	-	-	-	-
5 Total Package Fielding (TPF)	-	-	0.200	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
<i>Subtotal: Recurring Cost</i>	-	-	<i>16.349</i>	-	-	<i>5.110</i>	-	-	-	-	-	-	-	-	-	-	-	-
<i>Subtotal: Flyaway Cost</i>	-	-	<i>16.349</i>	-	-	<i>5.110</i>	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Cost	-	-	16.349	-	-	5.110	-	-	-	-	-	-	-	-	-	-	-	-

Secondary Distribution		FY 2014	FY 2015	FY 2016 Base	FY 2016 OCO	FY 2016 Total
Army	Quantity	-	-	-	-	-
	Total Obligation Authority	5.110	-	-	-	-
Total:	Quantity	-	-	-	-	-

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Exhibit P-5, Cost Analysis: PB 2016 Army		Date: February 2015
Appropriation / Budget Activity / Budget Sub Activity: 2035A / 03 / 90	P-1 Line Item Number / Title: M62550 / M25 STABILIZED BINOCULAR	Item Number / Title [DODIC]: M62550 / M25 STABILIZED BINOCULAR

ID Code (A=Service Ready, B=Not Service Ready) : A	MDAP/MAIS Code:
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Secondary Distribution		FY 2014	FY 2015	FY 2016 Base	FY 2016 OCO	FY 2016 Total
Secondary Distribution	Total Obligation Authority	5.110	-	-	-	-

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

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Exhibit P-5a, Procurement History and Planning: PB 2016 Army							Date: February 2015					
Appropriation / Budget Activity / Budget Sub Activity: 2035A / 03 / 90			P-1 Line Item Number / Title: M62550 / M25 STABILIZED BINOCULAR				Item Number / Title [DODIC]: M62550 / M25 STABILIZED BINOCULAR					
Cost Elements	O C O	FY	Contractor and Location	Method/Type or Funding Vehicle	Location of PCO	Award Date	Date of First Delivery	Qty (Each)	Unit Cost (\$ K)	Specs Avail Now?	Date Revision Available	RFP Issue Date
1. M25/A1 Stabilized Binocular ^(†)		2014	Frazer-Volpe Corp. / Warminster PA	C / IDIQ	ACC-Picatinny, Picatinny, NJ	Aug 2014	Apr 2015	732	4.041	N		

^(†) indicates the presence of a P-21

Remarks:
FY14 funding addresses the replacement of non-economically repairable unserviceable units.

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Exhibit P-21, Production Schedule: PB 2016 Army															Date: February 2015									
Appropriation / Budget Activity / Budget Sub Activity: 2035A / 03 / 90										P-1 Line Item Number / Title: M62550 / M25 STABILIZED BINOCULAR										Item Number / Title [DODIC]: M62550 / M25 STABILIZED BINOCULAR				

Cost Elements <i>(Units in Each)</i>						Fiscal Year 2014										Fiscal Year 2015										
O C C O	M F R #	FY	SERVICE	PROC QTY	ACCEPT PRIOR TO 1 OCT 2013	BAL DUE AS OF 1 OCT	Calendar Year 2014										Calendar Year 2015									
							O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y

1. M25/A1 Stabilized Binocular																												
1	2014	ARMY		732	-	732																						

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Exhibit P-21, Production Schedule: PB 2016 Army							Date: February 2015					
Appropriation / Budget Activity / Budget Sub Activity: 2035A / 03 / 90				P-1 Line Item Number / Title: M62550 / M25 STABILIZED BINOCULAR				Item Number / Title [DODIC]: M62550 / M25 STABILIZED BINOCULAR				

MFR Ref #	MFR Name - Location	Production Rates (Each / Month)			Procurement Leadtime (Months)							
		MSR For 2016	1-8-5 For 2016	MAX For 2016	Initial			Reorder				
					ALT Prior to Oct 1	ALT After Oct 1	Mfg PLT	ALT Prior to Oct 1	ALT After Oct 1	Mfg PLT	Total After Oct 1	
1	Frazer-Volpe Corp. - Warminster PA	600	600	3,600	5	16	14	30	5	10	10	20

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

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

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

Appropriation / Budget Activity / Budget Sub Activity: 2035A: Other Procurement, Army / BA 03: Other Support Equipment / BSA 90: Other Support Equipment	P-1 Line Item Number / Title: M80101 / Rapid Equipping Soldier Support Equipment
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ID Code (A=Service Ready, B=Not Service Ready) :	Program Elements for Code B Items:						Other Related Program Elements:					
Resource Summary	Prior Years	FY 2014	FY 2015	FY 2016 Base	FY 2016 OCO	FY 2016 Total	FY 2017	FY 2018	FY 2019	FY 2020	To Complete	Total
Procurement Quantity (Units in Each)	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Cost (\$ in Millions)	2,170.279	25.000	22.380	17.937	8.500	26.437	4.286	4.611	4.257	4.460	Continuing	Continuing
Less PY Advance Procurement (\$ in Millions)	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P1) (\$ in Millions)	2,170.279	25.000	22.380	17.937	8.500	26.437	4.286	4.611	4.257	4.460	Continuing	Continuing
Plus CY Advance Procurement (\$ in Millions)	-	-	-	-	-	-	-	-	-	-	-	-
Total Obligation Authority (\$ in Millions)	2,170.279	25.000	22.380	17.937	8.500	26.437	4.286	4.611	4.257	4.460	Continuing	Continuing
<i>(The following Resource Summary rows are for informational purposes only. The corresponding budget requests are documented elsewhere.)</i>												
Initial Spares (\$ in Millions)	-	-	-	-	-	-	-	-	-	-	-	-
Flyaway Unit Cost (\$ in Thousands)	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Unit Cost (\$ in Thousands)	-	-	-	-	-	-	-	-	-	-	-	-

Description:

The Rapid Equipping Force (REF) supports Combatant Command (COCOM)/Army Service Component Command (ASCC) based on emerging rapid equipping requirements. The REF is an enduring organization (Base funded) per Headquarters, Department of the Army, memorandum, SUBJECT: Implementation Plan for Stabilization of the Rapid Equipping Force (REF), signed by the Under Secretary of the Army, dated 30 January 2014.

The United States Army REF was established in 2002 as a unique, singular organization designed to address an Army-wide, systemic deficiency in providing immediate technology solutions. The REF adds value for the Army by rapidly providing urgent capabilities to U.S. Army Forces employed globally by harnessing technologies in order to improve operational effectiveness. The REF canvasses the military, industry, academia and science communities for readily available commercial and government solutions that do not currently exist in the Army inventory, and then transitions successes to the Army Materiel Command (AMC) for sustainment and in appropriate cases back to the Army Acquisition community as a Program of Record, for future life-cycle management. Additionally, the REF facilitates the early deployment of Army-managed solutions to meet emerging requirements.

The REF harnesses current and emerging technologies to provide rapid solutions to U.S. Army Forces employed globally. The REF combines and integrates functions that cross several Army staff elements and ASCCs to accelerate materiel solutions and technology insertion to U.S. Army Forces employed globally. The REF is the Army's quick reaction capability with the ability to develop, prototype, acquire, integrate and sustain Commercial-Off-The-Shelf (COTS), Government Off-The-Shelf (GOTS) and Non-Developmental Item (NDI) solutions to meet urgent combat requirements for forces employed globally. It develops and inserts selected future force technologies, capabilities, and surrogate materiel solutions into deployed, deploying, select prepared to deploy, and transformational forces for operational evaluation, assessment, and evolutionary development. The REF plans and executes assessments and studies of Army practices and issues concerning operational needs, desired future force capabilities, and relevant Army business practices to provide feedback to Senior Army Leaders.

The REF bridges the gap between the traditional acquisition process and immediate equipping needs. The REF pursues tangible solutions that can be equipped rapidly with a goal of 180 days. The REF focuses on finding effective game-changing capabilities to increase Soldier effectiveness, protection, and lethality in any operational environment. The REF process provides the mechanism to respond rapidly to an adaptive enemy who changes in days and months, not years. The REF coordinates in theater work with the ASCC of the COCOMs to understand their urgent needs, for which the REF acquisition capability may identify, procure, deliver, and sustain solutions to the deployed units. This fiscal flexibility is significant in that it permits the REF to allocate funds against emerging threats and requirements in the year of fiscal execution.

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Exhibit P-40, Budget Line Item Justification: PB 2016 Army		Date: February 2015
Appropriation / Budget Activity / Budget Sub Activity: 2035A: Other Procurement, Army / BA 03: Other Support Equipment / BSA 90: Other Support Equipment		P-1 Line Item Number / Title: M80101 / Rapid Equipping Soldier Support Equipment
ID Code (A=Service Ready, B=Not Service Ready) :	Program Elements for Code B Items:	Other Related Program Elements:

Secondary Distribution		FY 2014	FY 2015	FY 2016 Base	FY 2016 OCO	FY 2016 Total	FY 2017	FY 2018	FY 2019	FY 2020
Army	Quantity	-	-	-	-	-	-	-	-	-
	Total Obligation Authority	25.000	22.380	17.937	8.500	26.437	4.286	4.611	4.257	4.460
Total:	Quantity	-	-	-	-	-	-	-	-	-
Secondary Distribution	Total Obligation Authority	25.000	22.380	17.937	8.500	26.437	4.286	4.611	4.257	4.460

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

Appropriation / Budget Activity / Budget Sub Activity: 2035A: Other Procurement, Army / BA 03: Other Support Equipment / BSA 90: Other Support Equipment	P-1 Line Item Number / Title: M80101 / Rapid Equipping Soldier Support Equipment
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ID Code (A=Service Ready, B=Not Service Ready) :			Program Elements for Code B Items:			Other Related Program Elements:		
Exhibits Schedule			Prior Years	FY 2014	FY 2015	FY 2016 Base	FY 2016 OCO	FY 2016 Total
Title*	Exhibits	ID CD	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)
M80101 / Rapid Equipping Soldier Support Equipment	P-5		- / 2,170.279	- / 25.000	- / 22.380	- / 17.937	- / 8.500	- / 26.437
Total Gross/Weapon System Cost			- / 2,170.279	- / 25.000	- / 22.380	- / 17.937	- / 8.500	- / 26.437

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

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

Justification:

FY16 procurement dollars in the amount of \$17.937million (Base) and \$8.500 million (OCO) meets urgently needed state-of-the-art technology for immediate warfighter needs for deployed and pre-deploying forces across all ASCCs of the COCOMs.

The REF works directly with Operational Commanders at all levels, but focuses on Brigade level and below to find solutions to identified capability gaps. These solutions may result in procurement of new or existing military/commercial materiel equipment, or accelerated development of a future force materiel solution for insertion into the current force now.

The REF key tasks are:

- Partner with the Asymmetric Warfare Group (AWG) and the ASCCs to be responsive to tactical unit commanders in a global operating environment.
- Bridge specific Operational Needs Statement (ONS)/Joint Urgent Operational Needs Statement (JUONS)/Joint Emergent Operational Needs Statement (JEONS) gaps to meet urgent needs.
- Develop materiel solutions to counter emerging global asymmetric threats with reduced Soldiers in the operational environment.
- Ensure training, transportation, and sustainment are provided with every capability.
- Cultivate and rapidly insert emerging technologies into Soldiers' hands.
- Conduct operational assessments to provide useful operator feedback to the Army.
- Transition effective projects through the appropriate Army process for long-term sustainment.
- Be aggressive and push the acquisition envelope, but operate within the law.
- Integrate with existing Army organizations and systems to enable them to recognize and solve problems for tactical units.

The current REF Integrated Priority List (RIPL) consists of the REF top priorities based on requirements received from deployed units and drives all REF efforts.

1. Dismounted Improvised Explosive Device (IED) Defeat
2. Small Combat Outpost (COP)/Patrol Base (PB) Sustainment
3. Small Combat Outpost (COP)/Patrol Base (PB) Force Protection
4. Dismounted Operations Support
5. Intelligence, Surveillance, and Reconnaissance (ISR) Shortfalls in Environmentally Inhospitable Operational Environments (OEs)
6. Dismounted Blue Force Tracking and Mission Command
7. Other

The Army anticipates the REF working similar priorities in FY16 and beyond. The REF average cost per requirement is ~\$1.1 million to \$1.3 million based on historical data.

In accordance with Ms. Heidi Shyu (Army Acquisition Executive) Memorandum, Subject: Acquisition Decision Memorandum (ADM) to Change the Milestone Decision Authority (MDA) for the Rapid Equipping Force (REF) Program, dated May 28, 2014, the overarching goal of institutionalizing the acquisition authorities within the REF is to preserve the autonomy of action that has proven successful through the past decade of war. Program Executive Office (PEO) Soldier has been assigned as the MDA to provide proper acquisition oversight while enhancing visibility of these efforts. The MDA will ensure flexibility and

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Exhibit P-40, Budget Line Item Justification: PB 2016 Army		Date: February 2015
Appropriation / Budget Activity / Budget Sub Activity: 2035A: Other Procurement, Army / BA 03: Other Support Equipment / BSA 90: Other Support Equipment		P-1 Line Item Number / Title: M80101 / Rapid Equipping Soldier Support Equipment
ID Code (A=Service Ready, B=Not Service Ready) :	Program Elements for Code B Items:	Other Related Program Elements:
speed focused on the needs of Soldiers serviced by the dedicated REF Program Management Office (PMO). A formal reporting scheme leveraging existing venues, (e.g., Program Status Reviews (PSRs), Acquisition Category (ACAT) III Reporting will ensure ASA(ALT) visibility, oversight, and direction.		

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Exhibit P-5, Cost Analysis: PB 2016 Army		Date: February 2015
Appropriation / Budget Activity / Budget Sub Activity: 2035A / 03 / 90	P-1 Line Item Number / Title: M80101 / Rapid Equipping Soldier Support Equipment	Item Number / Title [DODIC]: M80101 / Rapid Equipping Soldier Support Equipment

ID Code (A=Service Ready, B=Not Service Ready) :	MDAP/MAIS Code:
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Resource Summary	Prior Years	FY 2014	FY 2015	FY 2016 Base	FY 2016 OCO	FY 2016 Total
Procurement Quantity (Units in Each)	-	-	-	-	-	-
Gross/Weapon System Cost (\$ in Millions)	2,170.279	25.000	22.380	17.937	8.500	26.437
Less PY Advance Procurement (\$ in Millions)	-	-	-	-	-	-
Net Procurement (P1) (\$ in Millions)	2,170.279	25.000	22.380	17.937	8.500	26.437
Plus CY Advance Procurement (\$ in Millions)	-	-	-	-	-	-
Total Obligation Authority (\$ in Millions)	2,170.279	25.000	22.380	17.937	8.500	26.437

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

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

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

Cost Elements	Prior Years			FY 2014			FY 2015			FY 2016 Base			FY 2016 OCO			FY 2016 Total		
	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)
Flyaway Cost																		
Recurring Cost																		
Dismounted IED Defeat	-	-	434.829	-	-	2.222	-	-	1.056	-	-	0.797	-	-	0.378	-	-	1.175
Small COP/PB Sustainment	-	-	-	-	-	3.241	-	-	1.900	-	-	0.399	-	-	0.189	-	-	0.588
Small COP/PB Force Protection	-	-	521.372	-	-	-	-	-	2.998	-	-	2.591	-	-	1.228	-	-	3.819
Dismounted Operations Support	-	-	377.134	-	-	5.556	-	-	7.094	-	-	6.677	-	-	3.164	-	-	9.841
ISR Shortfalls In Inhospitable OE's	-	-	415.597	-	-	4.537	-	-	2.745	-	-	0.897	-	-	0.425	-	-	1.322
Small COP/Patrol Base Force Protection	-	-	-	-	-	4.352	-	-	-	-	-	-	-	-	-	-	-	-
Dismounted Blue Force Tracking Mission	-	-	-	-	-	1.111	-	-	0.760	-	-	0.199	-	-	0.094	-	-	0.293
Other (Current Requirements)	-	-	421.347	-	-	3.981	-	-	5.827	-	-	6.377	-	-	3.022	-	-	9.399
Subtotal: Recurring Cost	-	-	2,170.279	-	-	25.000	-	-	22.380	-	-	17.937	-	-	8.500	-	-	26.437
Subtotal: Flyaway Cost	-	-	2,170.279	-	-	25.000	-	-	22.380	-	-	17.937	-	-	8.500	-	-	26.437
Gross/Weapon System Cost	-	-	2,170.279	-	-	25.000	-	-	22.380	-	-	17.937	-	-	8.500	-	-	26.437

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Exhibit P-5, Cost Analysis: PB 2016 Army		Date: February 2015
Appropriation / Budget Activity / Budget Sub Activity: 2035A / 03 / 90	P-1 Line Item Number / Title: M80101 / Rapid Equipping Soldier Support Equipment	Item Number / Title [DODIC]: M80101 / Rapid Equipping Soldier Support Equipment

ID Code (A=Service Ready, B=Not Service Ready) :	MDAP/MAIS Code:
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Secondary Distribution		FY 2014	FY 2015	FY 2016 Base	FY 2016 OCO	FY 2016 Total
Army	Quantity	-	-	-	-	-
	Total Obligation Authority	25.000	22.380	17.937	8.500	26.437
Total:	Quantity	-	-	-	-	-
Secondary Distribution	Total Obligation Authority	25.000	22.380	17.937	8.500	26.437

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

Appropriation / Budget Activity / Budget Sub Activity: 2035A: Other Procurement, Army / BA 03: Other Support Equipment / BSA 90: Other Support Equipment	P-1 Line Item Number / Title: MA0780 / Physical Security Systems (OPA3)
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Resource Summary	Prior Years	FY 2014	FY 2015	FY 2016 Base	FY 2016 OCO	FY 2016 Total	FY 2017	FY 2018	FY 2019	FY 2020	To Complete	Total
<i>(The following Resource Summary rows are for informational purposes only. The corresponding budget requests are documented elsewhere.)</i>												
Procurement Quantity (Units in Each)	-	3	-	11	-	11	13	27	27	33	Continuing	Continuing
Gross/Weapon System Cost (\$ in Millions)	1,578.423	47.055	30.686	52.040	-	52.040	45.740	48.440	52.044	61.677	Continuing	Continuing
Less PY Advance Procurement (\$ in Millions)	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P1) (\$ in Millions)	1,578.423	47.055	30.686	52.040	-	52.040	45.740	48.440	52.044	61.677	Continuing	Continuing
Plus CY Advance Procurement (\$ in Millions)	-	-	-	-	-	-	-	-	-	-	-	-
Total Obligation Authority (\$ in Millions)	1,578.423	47.055	30.686	52.040	-	52.040	45.740	48.440	52.044	61.677	Continuing	Continuing
Initial Spares (\$ in Millions)	-	-	-	-	-	-	-	-	-	-	-	-
Flyaway Unit Cost (\$ in Thousands)	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Unit Cost (\$ in Thousands)	-	15,685.000	-	4,730.909	-	4,730.909	3,518.462	1,794.074	1,927.556	1,869.000	Continuing	Continuing

Description:

Physical Security Systems (MA0780) protect vulnerable critical assets and infrastructure from determined, highly motivated and skilled intruders. Physical Security Systems include the Standard Intrusion Detection Systems (SIDS) (MA0781), the Commercial Intrusion Detection System (CIDS) (MA0782) and Other Physical Security Measures Equipment (MA0783). SIDS includes the Integrated Commercial Intrusion Detection System (ICIDS) and Military Construction Army (MCA) Procurement Tails for the Intrusion Detection Systems at new or modified facilities. Other Physical Security Measures Equipment includes the Automated Installation Entry (AIE) program and other efforts consistent with Office of Provost Marshal General (OPMG) security measures.

The Physical Security program's goal is to provide enhanced security to Units, Installations and Facilities. The Physical Security/Force Protection programs minimize risks and vulnerabilities by providing Commanders with the appropriate levels of protection through the use of available technology to safeguard personnel and Army assets. By increasing protection to personnel, facilities and equipment, the program supports unit readiness and deployment by reducing the vulnerability of Units and Installations from intruder and terrorist threats.

The ICIDS program consists of commercially available interior and exterior sensors, response, entry control, electronic surveillance and command and control devices. ICIDS protects critical national assets, special compartmented information facilities, conventional munitions storage areas, non-nuclear missiles and rockets in a ready to fire configuration, sensitive munitions and other mission essential assets. ICIDS provides the capability for Commanders to detect, assess and respond to unauthorized entry or attempted intrusion into their facilities. The system provides security to Units, Installations and Facilities while minimizing the number of security guards required. Additionally, the item includes MCAs Procurement tails for ICIDS at new or modified facilities. ICIDS supports a balanced investment strategy for the Army approved force structure and Army Force Generation (ARFORGEN) requirements.

CIDSs provides security measures for conventional arms, ammunition and explosive storage facilities, sensitive compartment information facilities, areas designed as mission essential and vulnerable and other high risk targets. Risks and vulnerabilities are minimized by providing Commanders with the appropriate levels of protection through the use of available technology to safeguard personnel and Army assets. Equipment also protects personnel, facilities and equipment from terrorist or criminal threats. The program supports unit readiness and deployment by reducing Unit and Installation vulnerability and supports the upgrades of the IDS for arms ammunition and explosives arms vaults and ammunition supply point bunkers for National Guard Facilities that are non-compliant with current Army Directives. Additionally, the item includes MCAs Procurement tails for the IDSs at new or modified facilities. CIDS supports a balanced investment strategy for the Army's approved force structure and Army Force Generation (ARFORGEN) requirements. Equipment further protects personnel, facilities and equipment from terrorist or criminal threats. The program supports Unit readiness and deployment by reducing Unit and Installation vulnerability.

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

Appropriation / Budget Activity / Budget Sub Activity: 2035A: Other Procurement, Army / BA 03: Other Support Equipment / BSA 90: Other Support Equipment	P-1 Line Item Number / Title: MA0780 / Physical Security Systems (OPA3)
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ID Code (A=Service Ready, B=Not Service Ready) :	Program Elements for Code B Items:	Other Related Program Elements:
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Other Physical Security Measures Equipment includes the Automated Installation Entry (AIE) system which complies with DTM 09-012 for Access Control Standards that includes identity proofing and vetting to determine fitness of an individual requesting and/or requiring access to Installations and issuance of local access credentials. AIE satisfies the OPMG's Automated Access Control Standards. Installation of AIE will also meet recommendation 3.9 of the DOD Independent Review related to Ft Hood, TX.

Secondary Distribution		FY 2014	FY 2015	FY 2016 Base	FY 2016 OCO	FY 2016 Total	FY 2017	FY 2018	FY 2019	FY 2020
Army	Quantity	3	-	11	-	11	13	27	27	33
	Total Obligation Authority	47.055	30.686	52.040	-	52.040	45.740	48.440	52.044	61.677
Total: Secondary Distribution	Quantity	3	-	11	-	11	13	27	27	33
	Total Obligation Authority	47.055	30.686	52.040	-	52.040	45.740	48.440	52.044	61.677

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

Appropriation / Budget Activity / Budget Sub Activity: 2035A: Other Procurement, Army / BA 03: Other Support Equipment / BSA 90: Other Support Equipment	P-1 Line Item Number / Title: MA0780 / Physical Security Systems (OPA3)
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Exhibits Schedule			Program Elements for Code B Items:			Other Related Program Elements:		
Title*	Exhibits	ID CD	Prior Years	FY 2014	FY 2015	FY 2016 Base	FY 2016 OCO	FY 2016 Total
			Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)
MA0781 / Standardized Intrusion Detection Systems	P-5, P-5a, P-21	A	- / 4.480	3 / 11.613	- / 4.406	2 / 10.766	- / -	2 / 10.766
MA0782 / Commercial Intrusion Detection Systems (IDS)	P-5		- / 233.739	- / 4.208	- / 7.339	3 / 5.128	- / -	3 / 5.128
MA0783 / Other Physical Security Measures Equip	P-5, P-5a, P-21		- / 1,288.124	- / 31.234	- / 18.941	6 / 36.146	- / -	6 / 36.146
Total Gross/Weapon System Cost			- / 1,578.423	3 / 47.055	- / 30.686	11 / 52.040	- / -	11 / 52.040

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

Justification:
 FY16 Base procurement funding in the amount of \$52.040 million provides funding for SIDS (MA0781) in the amount of \$10.766 million, CIDS (MA0782) in the amount of \$5.128 million and Other Physical Security Measures Equipment in the amount of \$36.146 million.

FY16 Base procurement funding the amount of \$10.766 million provides installation of ICIDS (MA0781) at two (2) sites: Ft. Richardson, AK and Ft. Myer/McNair/Henderson Hall, VA; Prime Contractor Program Management; program support (direct government support and Systems Engineering and Technical Assistance) and ICIDS MCA Procurement tails. Funding supports a balanced investment strategy for the Army approved force structure and ARFORGEN requirements. Funding is for Active Components.

FY16 Base procurement funding in the amount of \$5.128 million for CIDS (MA0782) supports procuring three (3) sites of modernized integrated physical security equipment for intrusion detection and assessment, access control, electronic surveillance and force protection equipment at Army Reserve and National Guard Facilities and some Active Army locations. Funding provides security measures for conventional arms, ammunition and explosive storage facilities, sensitive compartment information facilities and other areas contain asset for which policy requires Intrusion Detection Systems. Risks and vulnerabilities are minimized by providing Commanders with the appropriate levels of protection through the use of available technology to safeguard personnel and Army assets. Funding supports a balanced investment strategy for the Army's approved force structure and ARFORGEN requirements.

FY16 Base procurement funding in the amount of \$36.146 million procures AIE (MA0783) systems at six (6) sites: Schofield/Shafter, HI; Redstone Arsenal, AL; Ft. Riley, KS; Picatinny Arsenal, NJ; Ft. Lee, VA; Ft. Eustis, VA; Ft. Rucker, AL and Access Control Point Equipment Program (ACPEP). The AIE systems will be installed to protect Army force projection platforms and high priority Installations. The system complies with DTM 09-112 for Access Control Standards that include identity validation and vetting to determine fitness of an individual requesting and/or requiring access to installations. The AIE system satisfies the OPMG's Automated Access Control Standards. Installation of AIE will also meet recommendation 3.9 of the DOD Independent Review related to Ft. Hood, TX. ACPEP provides standardized access control point configurations including barriers, canopies, ballistically protected guard booths/houses and surveillance cameras.

All funding goes to the Active Component

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Exhibit P-5, Cost Analysis: PB 2016 Army		Date: February 2015
Appropriation / Budget Activity / Budget Sub Activity: 2035A / 03 / 90	P-1 Line Item Number / Title: MA0780 / Physical Security Systems (OPA3)	Item Number / Title [DODIC]: MA0781 / Standardized Intrusion Detection Systems

ID Code (A=Service Ready, B=Not Service Ready) : A	MDAP/MAIS Code:
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Resource Summary	Prior Years	FY 2014	FY 2015	FY 2016 Base	FY 2016 OCO	FY 2016 Total
Procurement Quantity (Units in Each)	-	3	-	2	-	2
Gross/Weapon System Cost (\$ in Millions)	4.480	11.613	4.406	10.766	-	10.766
Less PY Advance Procurement (\$ in Millions)	-	-	-	-	-	-
Net Procurement (P1) (\$ in Millions)	4.480	11.613	4.406	10.766	-	10.766
Plus CY Advance Procurement (\$ in Millions)	-	-	-	-	-	-
Total Obligation Authority (\$ in Millions)	4.480	11.613	4.406	10.766	-	10.766

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

Initial Spares (\$ in Millions)	-	-	-	-	-	-
Gross/Weapon System Unit Cost (\$ in Thousands)	-	3,871.000	-	5,383.000	-	5,383.000

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

Cost Elements	Prior Years			FY 2014			FY 2015			FY 2016 Base			FY 2016 OCO			FY 2016 Total		
	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)
Flyaway Cost																		
Recurring Cost																		
Hardware ^(t)	-	-	0.545	7,525.000	1	7.525	3,754.000	1	3.754	4,555.000	2	9.110	-	-	-	4,555.000	2	9.110
Government Program Management Support	-	-	2.532	-	-	1.701	-	-	0.462	-	-	0.508	-	-	-	-	-	0.508
SETA Contract Support	-	-	0.633	-	-	1.223	-	-	0.190	-	-	0.257	-	-	-	-	-	0.257
Prime Contractor PM	-	-	0.770	-	-	1.164	-	-	-	-	-	0.891	-	-	-	-	-	0.891
<i>Subtotal: Recurring Cost</i>	-	-	4.480	-	-	11.613	-	-	4.406	-	-	10.766	-	-	-	-	-	10.766
<i>Subtotal: Flyaway Cost</i>	-	-	4.480	-	-	11.613	-	-	4.406	-	-	10.766	-	-	-	-	-	10.766
Gross/Weapon System Cost	-	-	4.480	3,871.000	3	11.613	-	-	4.406	5,383.000	2	10.766	-	-	-	5,383.000	2	10.766

Secondary Distribution	FY 2014	FY 2015	FY 2016 Base	FY 2016 OCO	FY 2016 Total
Army	3	-	2	-	2
Total Obligation Authority	11.613	4.406	10.766	-	10.766
Total: Secondary Distribution	3	-	2	-	2
Total Obligation Authority	11.613	4.406	10.766	-	10.766

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

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Exhibit P-5a, Procurement History and Planning: PB 2016 Army							Date: February 2015					
Appropriation / Budget Activity / Budget Sub Activity: 2035A / 03 / 90			P-1 Line Item Number / Title: MA0780 / Physical Security Systems (OPA3)				Item Number / Title [DODIC]: MA0781 / Standardized Intrusion Detection Systems					
Cost Elements	O C O	FY	Contractor and Location	Method/Type or Funding Vehicle	Location of PCO	Award Date	Date of First Delivery	Qty (Each)	Unit Cost (\$ K)	Specs Avail Now?	Date Revision Available	RFP Issue Date
Hardware ^(†)		2015	Secure Mission Solutons / Fairfax, VA	C / IDIQ	NATICK, MA	Mar 2014	Feb 2016	1	3,754.000	N		
Hardware ^(†)		2016	TBD / TBD	C / IDIQ	NATICK, MA	Mar 2015	Dec 2017	2	4,555.000	N		

^(†) indicates the presence of a P-21

Remarks:

Contractor information for MCA OPA tails is TBD. Some MCA OPA tail projects may utilize ICIDS contract and others may be executed by individual site's contracting vehicles. Unit costs is the average of the sites for that year and varies based on size and type of assets.

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Exhibit P-21, Production Schedule: PB 2016 Army															Date: February 2015														
Appropriation / Budget Activity / Budget Sub Activity: 2035A / 03 / 90										P-1 Line Item Number / Title: MA0780 / Physical Security Systems (OPA3)										Item Number / Title [DODIC]: MA0781 / Standardized Intrusion Detection Systems									

Cost Elements <i>(Units in Each)</i>					Fiscal Year 2014												Fiscal Year 2015																
O C C O	M F R #	FY	SERVICE	PROC QTY	ACCEPT PRIOR TO 1 OCT 2013	BAL DUE AS OF 1 OCT	Calendar Year 2014												Calendar Year 2015												B A L		
							O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P			
Hardware																																	
	1	2015	ARMY (XLVIII)	1	-	1									A	-	-	-	-	-	-	-	-	-	-	-	-	-	1				
	2	2016	ARMY (XLIX)	2	-	2																				A	-	-	-	-	-	-	2
							O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	B A L		

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Exhibit P-21, Production Schedule: PB 2016 Army															Date: February 2015														
Appropriation / Budget Activity / Budget Sub Activity: 2035A / 03 / 90										P-1 Line Item Number / Title: MA0780 / Physical Security Systems (OPA3)										Item Number / Title [DODIC]: MA0781 / Standardized Intrusion Detection Systems									

Cost Elements <i>(Units in Each)</i>						Fiscal Year 2016													Fiscal Year 2017														
O C C O	M F R #	FY	SERVICE	PROC QTY	ACCEPT PRIOR TO 1 OCT 2015	BAL DUE AS OF 1 OCT	Calendar Year 2016													Calendar Year 2017													
							O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	B A L		
Hardware																																	
	1	2015	ARMY (XLVIII)	1		1	-	-	-	-	-	1																					-
	2	2016	ARMY (XLIX)	2		2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	2
							O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	B A L		

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Exhibit P-21, Production Schedule: PB 2016 Army															Date: February 2015														
Appropriation / Budget Activity / Budget Sub Activity: 2035A / 03 / 90										P-1 Line Item Number / Title: MA0780 / Physical Security Systems (OPA3)										Item Number / Title [DODIC]: MA0781 / Standardized Intrusion Detection Systems									

Cost Elements <i>(Units in Each)</i>						Fiscal Year 2018												Fiscal Year 2019													
O C C O	M F R #	FY	SERVICE	PROC QTY	ACCEPT PRIOR TO 1 OCT 2017	BAL DUE AS OF 1 OCT	Calendar Year 2018												Calendar Year 2019												
							O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	B A L
Hardware																															
	1	2015	ARMY (XLVIII)	1	1	-																									
	2	2016	ARMY (XLIX)	2	-	2	-	-	1	-	-	-	-	-	1																
							O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	B A L

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Exhibit P-21, Production Schedule: PB 2016 Army		Date: February 2015
Appropriation / Budget Activity / Budget Sub Activity: 2035A / 03 / 90		P-1 Line Item Number / Title: MA0780 / Physical Security Systems (OPA3)
		Item Number / Title [DODIC]: MA0781 / Standardized Intrusion Detection Systems

MFR Ref #	MFR Name - Location	Production Rates (Each / Month)			Procurement Leadtime (Months)							
		MSR For 2016	1-8-5 For 2016	MAX For 2016	Initial				Reorder			
					ALT Prior to Oct 1	ALT After Oct 1	Mfg PLT	Total After Oct 1	ALT Prior to Oct 1	ALT After Oct 1	Mfg PLT	Total After Oct 1
1	Secure Mission Solutons - Fairfax, VA	1	1	10	-	4	18	22	-	-	-	-
2	TBD - TBD	1	1	10	-	4	6	10	-	-	-	-

Remarks:
 Contract Option years are awarded in Mar of the FY. ICIDS Installations take approximately 12 to 18 months to complete from award of Task Order, extremely large installations can take up to 30 months to complete. MCA installs are estimated at 6 months from award.A = Active Component (COMPO1)ANG = National Guard (COMPO2)AR = Army Reserve (COMPO3)

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

Service/Agency Suffixes:
 (XLVIII) 2015
 (XLIX) 2016

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Exhibit P-5, Cost Analysis: PB 2016 Army		Date: February 2015
Appropriation / Budget Activity / Budget Sub Activity: 2035A / 03 / 90		P-1 Line Item Number / Title: MA0780 / Physical Security Systems (OPA3)
		Item Number / Title [DODIC]: MA0782 / Commercial Intrusion Detection Systems (IDS)

ID Code (A=Service Ready, B=Not Service Ready) :	MDAP/MAIS Code:
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Resource Summary	Prior Years	FY 2014	FY 2015	FY 2016 Base	FY 2016 OCO	FY 2016 Total
Procurement Quantity (<i>Units in Each</i>)	-	-	-	3	-	3
Gross/Weapon System Cost (<i>\$ in Millions</i>)	233.739	4.208	7.339	5.128	-	5.128
Less PY Advance Procurement (<i>\$ in Millions</i>)	-	-	-	-	-	-
Net Procurement (P1) (<i>\$ in Millions</i>)	233.739	4.208	7.339	5.128	-	5.128
Plus CY Advance Procurement (<i>\$ in Millions</i>)	-	-	-	-	-	-
Total Obligation Authority (<i>\$ in Millions</i>)	233.739	4.208	7.339	5.128	-	5.128

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

Initial Spares (<i>\$ in Millions</i>)	-	-	-	-	-	-
Gross/Weapon System Unit Cost (<i>\$ in Thousands</i>)	-	-	-	1,709.333	-	1,709.333

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

Cost Elements	Prior Years			FY 2014			FY 2015			FY 2016 Base			FY 2016 OCO			FY 2016 Total		
	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)
Flyaway Cost																		
Recurring Cost																		
Hardware	13,749.353	17	233.739	-	-	4.208	-	-	7.339	1,709.333	3	5.128	-	-	-	1,709.333	3	5.128
<i>Subtotal: Recurring Cost</i>	-	-	233.739	-	-	4.208	-	-	7.339	-	-	5.128	-	-	-	-	-	5.128
<i>Subtotal: Flyaway Cost</i>	-	-	233.739	-	-	4.208	-	-	7.339	-	-	5.128	-	-	-	-	-	5.128
Gross/Weapon System Cost	-	-	233.739	-	-	4.208	-	-	7.339	1,709.333	3	5.128	-	-	-	1,709.333	3	5.128

Secondary Distribution	FY 2014	FY 2015	FY 2016 Base	FY 2016 OCO	FY 2016 Total
Army					
Quantity	-	-	3	-	3
Total Obligation Authority	4.208	7.339	5.128	-	5.128
Total: Secondary Distribution					
Quantity	-	-	3	-	3
Total Obligation Authority	4.208	7.339	5.128	-	5.128

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Exhibit P-5, Cost Analysis: PB 2016 Army		Date: February 2015
Appropriation / Budget Activity / Budget Sub Activity: 2035A / 03 / 90	P-1 Line Item Number / Title: MA0780 / Physical Security Systems (OPA3)	Item Number / Title [DODIC]: MA0783 / Other Physical Security Measures Equip

ID Code (A=Service Ready, B=Not Service Ready) :	MDAP/MAIS Code:
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Resource Summary	Prior Years	FY 2014	FY 2015	FY 2016 Base	FY 2016 OCO	FY 2016 Total
Procurement Quantity (Units in Each)	-	-	-	6	-	6
Gross/Weapon System Cost (\$ in Millions)	1,288.124	31.234	18.941	36.146	-	36.146
Less PY Advance Procurement (\$ in Millions)	-	-	-	-	-	-
Net Procurement (P1) (\$ in Millions)	1,288.124	31.234	18.941	36.146	-	36.146
Plus CY Advance Procurement (\$ in Millions)	-	-	-	-	-	-
Total Obligation Authority (\$ in Millions)	1,288.124	31.234	18.941	36.146	-	36.146

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

Initial Spares (\$ in Millions)	-	-	-	-	-	-
Gross/Weapon System Unit Cost (\$ in Thousands)	-	-	-	6,024.333	-	6,024.333

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

Cost Elements	Prior Years			FY 2014			FY 2015			FY 2016 Base			FY 2016 OCO			FY 2016 Total		
	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)
Flyaway Cost																		
Recurring Cost																		
AIE Hardware ^(t)	-	-	1,277.866	2,141.800	10	21.418	3,115.250	4	12.461	5,174.000	6	31.044	-	-	-	5,174.000	6	31.044
Government Program Management Support	-	-	5.100	-	-	3.991	-	-	2.328	-	-	2.808	-	-	-	-	-	2.808
SETA Contract Support	-	-	4.609	-	-	1.873	-	-	1.149	-	-	1.264	-	-	-	-	-	1.264
ACPEP	-	-	0.549	-	-	3.952	-	-	3.003	-	-	1.030	-	-	-	-	-	1.030
<i>Subtotal: Recurring Cost</i>	-	-	<i>1,288.124</i>	-	-	<i>31.234</i>	-	-	<i>18.941</i>	-	-	<i>36.146</i>	-	-	-	-	-	<i>36.146</i>
<i>Subtotal: Flyaway Cost</i>	-	-	<i>1,288.124</i>	-	-	<i>31.234</i>	-	-	<i>18.941</i>	-	-	<i>36.146</i>	-	-	-	-	-	<i>36.146</i>
Gross/Weapon System Cost	-	-	1,288.124	-	-	31.234	-	-	18.941	6,024.333	6	36.146	-	-	-	6,024.333	6	36.146

Secondary Distribution	FY 2014	FY 2015	FY 2016 Base	FY 2016 OCO	FY 2016 Total
Army					
Quantity	-	-	6	-	6
Total Obligation Authority	31.234	18.941	36.146	-	36.146
Total: Secondary Distribution					
Quantity	-	-	6	-	6
Total Obligation Authority	31.234	18.941	36.146	-	36.146

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

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Exhibit P-5a, Procurement History and Planning: PB 2016 Army							Date: February 2015					
Appropriation / Budget Activity / Budget Sub Activity: 2035A / 03 / 90			P-1 Line Item Number / Title: MA0780 / Physical Security Systems (OPA3)				Item Number / Title [DODIC]: MA0783 / Other Physical Security Measures Equip					
Cost Elements	O C O	FY	Contractor and Location	Method/Type or Funding Vehicle	Location of PCO	Award Date	Date of First Delivery	Qty <i>(Each)</i>	Unit Cost <i>(\$ K)</i>	Specs Avail Now?	Date Revision Available	RFP Issue Date
AIE Hardware ^(†)		2014	TBD / TBD	C / IDIQ	Natick, MA	Mar 2014	Nov 2014	10	2,141.800	N		
AIE Hardware ^(†)		2015	TBD / TBD	C / IDIQ	Natick, MA	Mar 2015	Nov 2015	4	3,115.250	N		
AIE Hardware ^(†)		2016	TBD / TBD	C / IDIQ	Natick, MA	Mar 2016	Jun 2017	6	5,174.000	N		

^(†) indicates the presence of a P-21

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Exhibit P-21, Production Schedule: PB 2016 Army															Date: February 2015														
Appropriation / Budget Activity / Budget Sub Activity: 2035A / 03 / 90										P-1 Line Item Number / Title: MA0780 / Physical Security Systems (OPA3)										Item Number / Title [DODIC]: MA0783 / Other Physical Security Measures Equip									

Cost Elements <i>(Units in Each)</i>						Fiscal Year 2014												Fiscal Year 2015													
O C C O	M F R #	FY	SERVICE	PROC QTY	ACCEPT PRIOR TO 1 OCT 2013	BAL DUE AS OF 1 OCT	Calendar Year 2014												Calendar Year 2015												
							O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	B A L
AIE Hardware																															
	1	2014	ARMY (L)	10	-	10																									
	1	2015	ARMY (L)	4	-	4																									
	1	2016	ARMY (LII)	6	-	6																									
							O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	B A L

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Exhibit P-21, Production Schedule: PB 2016 Army				Date: February 2015							
Appropriation / Budget Activity / Budget Sub Activity: 2035A / 03 / 90				P-1 Line Item Number / Title: MA0780 / Physical Security Systems (OPA3)				Item Number / Title [DODIC]: MA0783 / Other Physical Security Measures Equip			

MFR Ref #	MFR Name - Location	Production Rates (Each / Month)			Procurement Leadtime (Months)							
		MSR For 2016	1-8-5 For 2016	MAX For 2016	Initial				Reorder			
					ALT Prior to Oct 1	ALT After Oct 1	Mfg PLT	Total After Oct 1	ALT Prior to Oct 1	ALT After Oct 1	Mfg PLT	Total After Oct 1
1	TBD - TBD	1	1	20	-	6	8	14	-	-	-	-

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

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

Service/Agency Suffixes:

- (L) 2014
- (LI) 2015
- (LII) 2016

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

Appropriation / Budget Activity / Budget Sub Activity: 2035A: Other Procurement, Army / BA 03: Other Support Equipment / BSA 90: Other Support Equipment	P-1 Line Item Number / Title: MB7000 / Base Level Common Equipment
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ID Code (A=Service Ready, B=Not Service Ready) :			Program Elements for Code B Items:					Other Related Program Elements:				
Resource Summary	Prior Years	FY 2014	FY 2015	FY 2016 Base	FY 2016 OCO	FY 2016 Total	FY 2017	FY 2018	FY 2019	FY 2020	To Complete	Total
Procurement Quantity (<i>Units in Each</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Cost (<i>\$ in Millions</i>)	542.671	1.427	1.008	1.568	-	1.568	0.717	0.776	1.191	4.557	Continuing	Continuing
Less PY Advance Procurement (<i>\$ in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P1) (<i>\$ in Millions</i>)	542.671	1.427	1.008	1.568	-	1.568	0.717	0.776	1.191	4.557	Continuing	Continuing
Plus CY Advance Procurement (<i>\$ in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Total Obligation Authority (<i>\$ in Millions</i>)	542.671	1.427	1.008	1.568	-	1.568	0.717	0.776	1.191	4.557	Continuing	Continuing
<i>(The following Resource Summary rows are for informational purposes only. The corresponding budget requests are documented elsewhere.)</i>												
Initial Spares (<i>\$ in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Flyaway Unit Cost (<i>\$ in Thousands</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Unit Cost (<i>\$ in Thousands</i>)	-	-	-	-	-	-	-	-	-	-	-	-

Description:

This program procures Base-level commercially available equipment from a list authorized by the Table of Distribution and Allowances (TDA) for Army activities but is not Army centrally managed or purchased. Equipment unit cost must meet the currently approved Expense-Investment threshold of \$250,000.00. The equipment supports recurring and generic activities typically performed by garrisons, such as material and cargo handling, engineering and public works, port and terminal operations support. Procures new investment items or replacements for existing equipment that is overaged, obsolete, or beyond economical repair.

Secondary Distribution		FY 2014	FY 2015	FY 2016 Base	FY 2016 OCO	FY 2016 Total	FY 2017	FY 2018	FY 2019	FY 2020
Army	Quantity	-	-	-	-	-	-	-	-	-
	Total Obligation Authority	1.427	1.008	0.784	-	0.784	0.717	0.776	1.191	4.557
Total: Secondary Distribution	Quantity	-	-	-	-	-	-	-	-	-
	Total Obligation Authority	1.427	1.008	0.784	-	0.784	0.717	0.776	1.191	4.557

Justification:

FY16 Base procurement funding in the amount of \$1.568 million procures new equipment critical to military operations and readiness to provide garrison support to Major and Combatant Commands. Equipment is critical to maintaining installation roads and training areas needed by tactical units to maintain proficiency and combat readiness. Equipment supports maintaining road networks within the training areas; drop zones for airborne operations, landing zones for airmobile operations and ranges; and excavations supporting new range facilities, hard stands and emplacements. The equipment maintains road and parking drainage systems, and is also used for Force Protection operations to emplace concrete blocks and containers. Equipment replaces over-aged equipment with high utilization/increased deadline rates and

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Exhibit P-40, Budget Line Item Justification: PB 2016 Army		Date: February 2015
Appropriation / Budget Activity / Budget Sub Activity: 2035A: Other Procurement, Army / BA 03: Other Support Equipment / BSA 90: Other Support Equipment		P-1 Line Item Number / Title: MB7000 / Base Level Common Equipment
ID Code (A=Service Ready, B=Not Service Ready) :	Program Elements for Code B Items:	Other Related Program Elements:
uneconomical maintenance and repair costs. Equipment supports garrison requirements to correct environmental deficiencies and violations by excavating and transporting clean earth to environmental clean-up sites. Material handling, cargo handling and port operations equipment improves capabilities to mobilize, demobilize and out-load warfighting units.		

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

Appropriation / Budget Activity / Budget Sub Activity: 2035A: Other Procurement, Army / BA 03: Other Support Equipment / BSA 90: Other Support Equipment	P-1 Line Item Number / Title: MA4500 / Modification Of In-Svc Equipment (OPA-3)
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ID Code (A=Service Ready, B=Not Service Ready) :			Program Elements for Code B Items:					Other Related Program Elements:				
Resource Summary	Prior Years	FY 2014	FY 2015	FY 2016 Base	FY 2016 OCO	FY 2016 Total	FY 2017	FY 2018	FY 2019	FY 2020	To Complete	Total
Procurement Quantity (Units in Each)	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Cost (\$ in Millions)	899.875	69.037	98.559	64.219	-	64.219	53.407	48.253	61.753	73.972	Continuing	Continuing
Less PY Advance Procurement (\$ in Millions)	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P1) (\$ in Millions)	899.875	69.037	98.559	64.219	-	64.219	53.407	48.253	61.753	73.972	Continuing	Continuing
Plus CY Advance Procurement (\$ in Millions)	-	-	-	-	-	-	-	-	-	-	-	-
Total Obligation Authority (\$ in Millions)	899.875	69.037	98.559	64.219	-	64.219	53.407	48.253	61.753	73.972	Continuing	Continuing
<i>(The following Resource Summary rows are for informational purposes only. The corresponding budget requests are documented elsewhere.)</i>												
Initial Spares (\$ in Millions)	-	-	-	-	-	-	-	-	-	-	-	-
Flyaway Unit Cost (\$ in Thousands)	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Unit Cost (\$ in Thousands)	-	-	-	-	-	-	-	-	-	-	-	-

Description:

This budget line funds Modifications of In-Service Equipment programs. It is used to develop material solutions and also to procure hardware, materials, and the hardware installation cost required to complete the modification. Modifications are performed to correct safety deficiencies; increase mission capabilities and interoperability; extend the useful life; improve supportability; upgrade existing technology; increase efficiency; improve readiness; modernization of legacy communications equipment and links; address obsolescence issues; and to meet new and/or changing statutory and regulatory requirements. By modifying existing equipment, the Army maintains a ready, supportable inventory of equipment that meets current requirements and regulations at a cost considerably below that of buying new equipment.

Army Watercraft Systems are categorized under Landing Craft, Towing and Terminal Operations, Ship-to-Shore Enablers and Watercraft Operations Support. Landing Craft consist of 8 Logistic Support Vessels (LSV), 34 Landing Craft Utility (LCU-2000), and 30 Landing Craft Mechanized (LCM-8) MOD 1. Towing and Terminal Operations consist of 6 Large Tugs (LT 800), 16 Small Tugs (ST 900), and 4 Barge Derrick Cranes (BD-115). Ship-to-Shore Enablers consist of 3 Modular Causeway Systems (MCS) [each MCS includes 2 Roll-On/Roll-Off Discharge Facilities (RRDF), 5 Modular Warping Tugs (MWT), 1 Causeway Ferry (CF), 1 Floating Causeway (FC)]. Landing Craft discharge combat equipment or troops to austere beaches, undeveloped coastlines and operate in a non-permissive environment. Towing and Terminal Operations and Ship-to-Shore Enablers support ocean and port/harbor towing/salvage operations. Both are critical in denied/degraded ports, Joint Logistics Over-the-Shore (JLOTS) operations, and operations throughout the littorals. Watercraft Operations Support includes 6 LCM-8 MOD 2.

First fielded in 1988, the Logistics Support Vessel (LSV) is globally self deployable, and provides worldwide and intra-theater movement and line haul of large quantities of combat vehicles, equipment, and sustainment cargo, to include containerized, break-bulk, and Roll-on Roll-off (RO/RO) cargo, to improved and/or degraded ports, bare and austere beaches, and inland water terminals. With 10,500 square feet of cargo space and a payload capacity of 2,000 tons, the LSV can carry 24 combat loaded M1A1 Main Battle Tanks or the equivalent. The vessel supports JLOTS, seaport opening and coastal/inland waterway distribution, anti-access theater opening, and can deliver combat-configured elements or sustainment cargo during all phases of the campaign.

First fielded in 1990, the Landing Craft Utility (LCU-2000) provides intra-theater movement of combat vehicles, equipment, and sustainment cargo, to include containerized, break-bulk, and RO/RO cargo to improved and/or degraded ports, bare and austere beaches, and inland water terminals. The vessel is ideally suited for the discharge and back load of sea lift, the shallow draft, bow ramp, and associated systems providing capability for beaching and beach extraction. The vessel supports JLOTS, seaport opening and coastal/inland waterway distribution, anti-access theater opening, and can deliver combat-configured elements or sustainment during all phases of the campaign.

First fielded in 1967, the Landing Craft Mechanized (LCM-8) transports combat equipped personnel and equipment, and sustainment cargo, from ship to shore and/or within coastal areas including inland waterways. The vessel is also capable of providing medical evacuations, command and control (C2) afloat and light harbor salvage support. The size of the vessel facilitates operation within restricted areas, access to shallow areas to include bare beaches, and extensively throughout inland waterways.

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Exhibit P-40, Budget Line Item Justification: PB 2016 Army		Date: February 2015
Appropriation / Budget Activity / Budget Sub Activity: 2035A: Other Procurement, Army / BA 03: Other Support Equipment / BSA 90: Other Support Equipment		P-1 Line Item Number / Title: MA4500 / Modification Of In-Svc Equipment (OPA-3)
ID Code (A=Service Ready, B=Not Service Ready) :	Program Elements for Code B Items:	Other Related Program Elements:
<p>First fielded in 1994, the Large Tug 800 (LT 800) performs transoceanic and coastal towing operations, docking and undocking of large ships, salvage and recovery operations for disabled or damaged watercraft at sea and along the coastal main supply routes, clearance of degraded, damaged, and denied access waterways and port facilities, and provides both ship to ship and ship to shore firefighting capability to include in support of ammunition upload/download operations.</p> <p>First fielded in 1998, the Small Tug 900 (ST 900) provides movement of cargo barges and lighterage of various types within a harbor, port, or Logistics Over the Shore (LOTS) or Joint LOTS (JLOTS) operations. It also assists larger tugs with utility work such as docking/undocking of ships of all sizes, movement of floating cranes, and line-handling duties.</p> <p>First fielded in 1999, the Barge Derrick, 115 ton (BD-115) provides heavy lift to load and discharge cargo that exceeds the lift capacity of ship's gear in theater-wide missions/operations. The BD-115 is capable of lifting the M1A1 main battle tank from the centerline of a non-self sustaining ship, and is world-wide deployable via the LT-800. The BD-115 also provides heavy clearance and salvage capabilities within degraded, damaged, and denied access waterways and port facilities.</p> <p>First fielded in 1996, the Modular Causeway System (MCS) provides floating platforms for the loading, discharge, and transport of combat vehicles, equipment, and sustainment cargo to and from improved or austere ports, inland water terminals, and during bare beach operations. A modular and highly transportable system, the MCS consists of both powered and non-powered systems to include the Roll-on Roll-off Discharge Facility (RRDF), Causeway Ferry (CF), Floating Causeway (FC), and Warring Tug (WT), and serves as a key enabler for both LOTS and JLOTS operations.</p> <p>The Army Watercraft Service Life Extension Program (SLEP) in prior fiscal years has been funded by MA4500, Modification of In-Service Equipment. As of FY 2014, the SLEP requirement moved to M11101 Army Watercraft Extended Service Program (ESP).</p>		

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

Appropriation / Budget Activity / Budget Sub Activity: 2035A: Other Procurement, Army / BA 03: Other Support Equipment / BSA 90: Other Support Equipment	P-1 Line Item Number / Title: MA4500 / Modification Of In-Svc Equipment (OPA-3)
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ID Code (A=Service Ready, B=Not Service Ready) :			Program Elements for Code B Items:			Other Related Program Elements:		
Exhibits Schedule			Prior Years	FY 2014	FY 2015	FY 2016 Base	FY 2016 OCO	FY 2016 Total
Title*	Exhibits	ID CD	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)
MA4501 / MODIFICATION KITS	P-40a		- / 698.565	- / 52.818	- / 70.279	- / 39.856	- / -	- / 39.856
MA4502 / INSTALLATION OF MODIFICATIONS	P-40a		- / 176.816	- / 5.777	- / 20.840	- / 17.363	- / -	- / 17.363
MA4503 / RCMPV MODIFICATIONS	P-40a		- / -	- / -	- / 0.082	- / -	- / -	- / -
MA4504 / TACTICAL BRIDGING MODIFICATIONS	P-40a		- / 24.494	- / 10.442	- / 7.358	- / 7.000	- / -	- / 7.000
Total Gross/Weapon System Cost			- / 899.875	- / 69.037	- / 98.559	- / 64.219	- / -	- / 64.219

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

Justification:
 FY 2016 Base funding procures Construction Equipment (CE) (\$3.207 million) and Material Handling Equipment (MHE) (\$0.182 million) Technical Insertion modifications; weight reduction of selected components to allow armor addition onto already fielded M56 Smoke Generator systems; Food Sanitation Center (\$2.480 million); Resource and Operational Energy reduction kits for Force Provider; and Tactical Bridging Modifications including upgrading the Dry Support Bridge (DSB) and the Rapidly Emplaced Bridging System (REBS).
 Upgrades/modifications to Countermine Clearing Equipment for AN/PSS-14 (HSTAMIDS) (\$11.765 million) will extend the service life of this systems, currently used in theater.
 Force Provider Modifications (\$30.074 million) include: Operational Energy Kits (Shelter Energy Efficiency and Micro Grid); Quality of Life Augmentation Kits (with shelter energy efficiency, LED lighting, and energy saving air conditioning upgrade kits); Solid Waste Disposal Units; Laundry Water Reuse Kits; LED Lighting Kits; Heating, Ventilation and Air Conditioning Upgrade Kits; Solar Hot Water Kits; Renewable Energy Kits; Base camp Monitoring (Smart Camp); and Chaplain Package Modification Kits.
 FY 16 Base Funding includes production and installation of 22 Operational Energy-efficient Quality of Life Kits; 30 Microgrid Kits; 120 Laundry Water Reuse Kits; 68 LED Lighting Kits; 30 Solid Waste Disposal Kits; and 56 Environmental Control Upgrade Kits. Modifications support energy stewardship initiatives in the Army Strategic Plan and integrate threshold operational requirements identified in the Force Provider Capabilities Production Document.
 FY 2016 Base procurement dollars in the amount of \$9.305 million supports upgrades/modifications to all Army Watercraft Systems which are completed as required to resolve any safety and/or sustainability issues, along with technical insertions. These modifications will gain critically required operational improvements or maintain compliance with new and/or changing federal statutory and regulatory mandates in the areas of safety of life at sea (SOLAS) and environmental compliance.
 FY16 \$.206 million, Petroleum and Water Systems (PAWS) will perform continual evaluation of fielded fleet for future modification/upgrades to PAWS systems to ensure these systems will meet the warfighter requirements.
 FY 2016 Base procurement dollars in the amount of \$7.000 millions supports the following Bridging upgrades: the Dry Support Bridge (DSB) upgrade enabling the DSB to bridge a gap of 46 meters, increasing its gap crossing capability by 15%; the Rapidly Emplaced Bridge System (REBS) arctic kit, Roll-on/Roll-off capability for C130 transport of the REBS, the REBS Automation kit, and the REBS Underride Bar; and the The M9 Armored Combat Earthmover (M9 ACE) effort brings the M9 ACE fleet to a common configuration.
 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.

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

Appropriation / Budget Activity / Budget Sub Activity: 2035A / 03 / 90	P-1 Line Item Number / Title: MA4500 / Modification Of In-Svc Equipment (OPA-3)	Aggregated Items Title: Various
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Note: Subtotals or Totals in this Exhibit P-40a may not be exact or add, due to rounding.

Item Number / Title [DODIC]	ID CD	MDAP/MAIS Code	Prior Years			FY 2014			FY 2015			FY 2016 Base			FY 2016 OCO			FY 2016 Total		
			Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)
MODIFICATION KITS																				
MA4501 / MODIFICATION KITS			-	-	698.565	-	-	52.818	-	-	70.279	-	-	39.856	-	-	-	-	-	39.856
MA4502 / INSTALLATION OF MODIFICATIONS			-	-	176.816	-	-	5.777	-	-	20.840	-	-	17.363	-	-	-	-	-	17.363
MA4503 / RCMPV MODIFICATIONS			-	-	-	-	-	-	-	-	0.082	-	-	-	-	-	-	-	-	-
MA4504 / TACTICAL BRIDGING MODIFICATIONS			-	-	24.494	-	-	10.442	-	-	7.358	-	-	7.000	-	-	-	-	-	7.000
<i>Subtotal: MODIFICATION KITS</i>			-	-	899.875	-	-	69.037	-	-	98.559	-	-	64.219	-	-	-	-	-	64.219
Total			-	-	899.875	-	-	69.037	-	-	98.559	-	-	64.219	-	-	-	-	-	64.219

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

Appropriation / Budget Activity / Budget Sub Activity: 2035A: Other Procurement, Army / BA 03: Other Support Equipment / BSA 90: Other Support Equipment	P-1 Line Item Number / Title: MA0450 / Production Base Support (OTH)
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ID Code (A=Service Ready, B=Not Service Ready) :	Program Elements for Code B Items:						Other Related Program Elements:					
Resource Summary	Prior Years	FY 2014	FY 2015	FY 2016 Base	FY 2016 OCO	FY 2016 Total	FY 2017	FY 2018	FY 2019	FY 2020	To Complete	Total
Procurement Quantity (Units in Each)	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Cost (\$ in Millions)	236.073	0.177	1.697	1.525	-	1.525	1.552	2.296	2.350	2.394	Continuing	Continuing
Less PY Advance Procurement (\$ in Millions)	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P1) (\$ in Millions)	236.073	0.177	1.697	1.525	-	1.525	1.552	2.296	2.350	2.394	Continuing	Continuing
Plus CY Advance Procurement (\$ in Millions)	-	-	-	-	-	-	-	-	-	-	-	-
Total Obligation Authority (\$ in Millions)	236.073	0.177	1.697	1.525	-	1.525	1.552	2.296	2.350	2.394	Continuing	Continuing
<i>(The following Resource Summary rows are for informational purposes only. The corresponding budget requests are documented elsewhere.)</i>												
Initial Spares (\$ in Millions)	-	-	-	-	-	-	-	-	-	-	-	-
Flyaway Unit Cost (\$ in Thousands)	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Unit Cost (\$ in Thousands)	-	-	-	-	-	-	-	-	-	-	-	-

Description:

This program provides funding to the Army Test and Evaluation Command (ATEC) to establish, modernize, expand or replace test facilities used in production testing of General Support Equipment (including trucks, trailers, generators, soldier support equipment, etc.). It sustains Army production test capabilities through upgrade and replacement of instrumentation and equipment that is technologically and/or economically obsolete. Modernization of test instrumentation and equipment provides increased automation and efficiencies, improved data quality and quantity and cost avoidances to Army Program Managers. Programmed funding will be used to upgrade or replace production test instrumentation and equipment at Aberdeen Test Center (ATC), Aberdeen Proving Ground, MD; and Yuma Test Center (YTC), Yuma Proving Ground, AZ (including YTCs Cold Regions Test Center (CRTC), Fort Greely, AK).

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

Appropriation / Budget Activity / Budget Sub Activity: 2035A: Other Procurement, Army / BA 03: Other Support Equipment / BSA 90: Other Support Equipment	P-1 Line Item Number / Title: MA0450 / Production Base Support (OTH)
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ID Code (A=Service Ready, B=Not Service Ready) :			Program Elements for Code B Items:			Other Related Program Elements:		
Exhibits Schedule			Prior Years	FY 2014	FY 2015	FY 2016 Base	FY 2016 OCO	FY 2016 Total
Title*	Exhibits	ID CD	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)
MA9000 / PROVISION OF INDUSTRIAL FACILITIES	P-40a		- / 236.073	- / 0.177	- / 1.697	- / 1.525	- / -	- / 1.525
Total Gross/Weapon System Cost			- / 236.073	- / 0.177	- / 1.697	- / 1.525	- / -	- / 1.525

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

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

Justification:

FY2016 Base procurement dollars in the amount of \$1.525 million support the following: At ATC, procures modern industrial shop equipment (welding and cutting machines) used in fabrication of support items required for Production Qualification Testing (such as rotors, stands, sleighs, camera mounts and instrumentation brackets); replaces old instrumentation used to test combat vehicle fire suppression systems and procures instrumentation and equipment (such as abrators, laundering, self-contained color and flammability, wear, weathering, plus other textile testers and controlled temperature and humidity test equipment) to perform non-ballistic testing on soldier clothing and equipment. At YTC, procures replacement transducers used to collect performance data during automotive tests (including sensors, load cells, thermocouple amplifiers, pressure transducers, embedded wireless sensors, strain gages, current transducers and thermocouples); replaces obsolete air delivery aircraft and airdrop load instrumentation in the areas of aircraft telemetry, aircraft on-board video, payload telemetry, and payload data recorders and purchases on-board data acquisition and recording equipment for collecting vehicle performance data in harsh desert environments.

The majority of the instrumentation being upgraded or replaced is obsolete and has met or exceeded its economic life. This instrumentation is required to ensure complete and accurate test data is collected and safety and environmental hazards are minimized. Benefits of this project include increased test efficiencies and decreased costs and risks to Army Program Managers.

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

Appropriation / Budget Activity / Budget Sub Activity: 2035A / 03 / 90	P-1 Line Item Number / Title: MA0450 / Production Base Support (OTH)	Aggregated Items Title: Various
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Note: Subtotals or Totals in this Exhibit P-40a may not be exact or add, due to rounding.

Item Number / Title [DODIC]	ID CD	MDAP/MAIS Code	Prior Years			FY 2014			FY 2015			FY 2016 Base			FY 2016 OCO			FY 2016 Total		
			Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)
PROVISION OF INDUSTRIAL FACILITIES																				
MA9000 / PROVISION OF INDUSTRIAL FACILITIES			-	-	236.073	-	-	0.177	-	-	1.697	-	-	1.525	-	-	-	-	-	1.525
<i>Subtotal: PROVISION OF INDUSTRIAL FACILITIES</i>			-	-	236.073	-	-	0.177	-	-	1.697	-	-	1.525	-	-	-	-	-	1.525
Total			-	-	236.073	-	-	0.177	-	-	1.697	-	-	1.525	-	-	-	-	-	1.525

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

Appropriation / Budget Activity / Budget Sub Activity:
2035A: Other Procurement, Army / BA 03: Other Support Equipment / BSA 90: Other Support Equipment

P-1 Line Item Number / Title:
MA6700 / Special Equipment For User Testing

ID Code (A=Service Ready, B=Not Service Ready) :			Program Elements for Code B Items:					Other Related Program Elements:				
Resource Summary	Prior Years	FY 2014	FY 2015	FY 2016 Base	FY 2016 OCO	FY 2016 Total	FY 2017	FY 2018	FY 2019	FY 2020	To Complete	Total
Procurement Quantity (Units in Each)	-	-	5	2	-	2	9	11	17	15	Continuing	Continuing
Gross/Weapon System Cost (\$ in Millions)	609.880	9.854	25.394	3.268	-	3.268	45.012	47.850	62.003	62.742	Continuing	Continuing
Less PY Advance Procurement (\$ in Millions)	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P1) (\$ in Millions)	609.880	9.854	25.394	3.268	-	3.268	45.012	47.850	62.003	62.742	Continuing	Continuing
Plus CY Advance Procurement (\$ in Millions)	-	-	-	-	-	-	-	-	-	-	-	-
Total Obligation Authority (\$ in Millions)	609.880	9.854	25.394	3.268	-	3.268	45.012	47.850	62.003	62.742	Continuing	Continuing
<i>(The following Resource Summary rows are for informational purposes only. The corresponding budget requests are documented elsewhere.)</i>												
Initial Spares (\$ in Millions)	-	-	-	-	-	-	-	-	-	-	-	-
Flyaway Unit Cost (\$ in Thousands)	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Unit Cost (\$ in Thousands)	-	-	5,078.800	1,634.000	-	1,634.000	5,001.333	4,350.000	3,647.235	4,182.800	Continuing	Continuing

Description:

Budget Item is comprised of multiple programs for the Army Threat Simulator Program and Major Operational Testing Instrumentation. The Army Threat Simulator Program procures actual foreign hardware and Non-Developmental Items (NDI) (e.g., chassis, subsystems, commercial equipment, or actual threat weapons), which are integrated into a threat simulator design for user testing and training. Program also provides funding for Major Operational Testing Instrumentation, major field instrumentation for Operational Testing (OT), Force Development Testing and Experimentation (FDTE), and Army Warfighting Experiments (AWE). Initiatives are tied to tactical systems that support each of the five joint functional concepts outlined in the Army Modernization Plan (Force Application; Protection; Focused Logistics; Battlespace Awareness; Command and Control). Budget Item procures a variety of Special Equipment for User Testing, such as Integrated Threat Force, Threat Signal Injection Jammer (TSIJ), Threat Operations.

Army Test and Evaluation Command (ATEC) and Operational Test Command (OTC) facilities include Transformation Technology Directorate (TTD) at Fort Hood, TX; Fire Support Test Directorate (FSTD) at Fort Sill, OK; Airborne Special Operations Test Directorate (ABSOTD) at Fort Bragg, NC; Air Defense Artillery Test Directorate (ADATD) and Electronic Proving Ground (EPG) at Fort Huachuca, AZ.

Secondary Distribution		FY 2014	FY 2015	FY 2016 Base	FY 2016 OCO	FY 2016 Total	FY 2017	FY 2018	FY 2019	FY 2020
Army	Quantity	-	5	2	-	2	9	11	17	15
	Total Obligation Authority	9.854	25.394	3.268	-	3.268	45.012	47.850	62.003	62.742
Total: Secondary Distribution	Quantity	-	5	2	-	2	9	11	17	15
	Total Obligation Authority	9.854	25.394	3.268	-	3.268	45.012	47.850	62.003	62.742

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

Appropriation / Budget Activity / Budget Sub Activity: 2035A: Other Procurement, Army / BA 03: Other Support Equipment / BSA 90: Other Support Equipment	P-1 Line Item Number / Title: MA6700 / Special Equipment For User Testing
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ID Code (A=Service Ready, B=Not Service Ready) :			Program Elements for Code B Items:			Other Related Program Elements:		
Exhibits Schedule			Prior Years	FY 2014	FY 2015	FY 2016 Base	FY 2016 OCO	FY 2016 Total
Title*	Exhibits	ID CD	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)
MA6700 / Special Equipment For User Testing	P-5, P-5a, P-21		- / 609.880	- / 9.854	5 / 25.394	2 / 3.268	- / -	2 / 3.268
Total Gross/Weapon System Cost			- / 609.880	- / 9.854	5 / 25.394	2 / 3.268	- / -	2 / 3.268

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

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

Justification:
 FY 2016 Base procurement dollars in the amount of \$3.268 million procures multiple threat systems required to support developmental and operational testing and training of network centric threat scenarios. These threat scenarios are critical to integrating digital battlefield data collection and analysis tools that support the establishment of robust command and control capabilities. These tools will collect, store and analyze data from this new dimension of digital command and control battlefield warfare capabilities. The ability to fully stress the entire network centric battlefield with numerous simulated threat entities presents opportunities for significant cost savings and greater realism than would otherwise be achievable.

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.

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Exhibit P-5, Cost Analysis: PB 2016 Army		Date: February 2015
Appropriation / Budget Activity / Budget Sub Activity: 2035A / 03 / 90	P-1 Line Item Number / Title: MA6700 / Special Equipment For User Testing	Item Number / Title [DODIC]: MA6700 / Special Equipment For User Testing

ID Code (A=Service Ready, B=Not Service Ready) :	MDAP/MAIS Code:
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Resource Summary	Prior Years	FY 2014	FY 2015	FY 2016 Base	FY 2016 OCO	FY 2016 Total
Procurement Quantity (Units in Each)	-	-	5	2	-	2
Gross/Weapon System Cost (\$ in Millions)	609.880	9.854	25.394	3.268	-	3.268
Less PY Advance Procurement (\$ in Millions)	-	-	-	-	-	-
Net Procurement (P1) (\$ in Millions)	609.880	9.854	25.394	3.268	-	3.268
Plus CY Advance Procurement (\$ in Millions)	-	-	-	-	-	-
Total Obligation Authority (\$ in Millions)	609.880	9.854	25.394	3.268	-	3.268

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

Initial Spares (\$ in Millions)	-	-	-	-	-	-
Gross/Weapon System Unit Cost (\$ in Thousands)	-	-	5,078.800	1,634.000	-	1,634.000

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

Cost Elements	Prior Years			FY 2014			FY 2015			FY 2016 Base			FY 2016 OCO			FY 2016 Total		
	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)
Flyaway Cost																		
Recurring Cost																		
Integrated Threat Force ^(†)	3,382.000	2	6.764	3,507.000	1	3.507	5,136.000	1	5.136	2,168.000	1	2.168	-	-	-	2,168.000	1	2.168
Threat Sig Injection Jammer ^(†)	352.111	45	15.845	331.118	17	5.629	6,730.500	2	13.461	-	-	-	-	-	-	-	-	-
Threat Operations ^(†)	65,252.444	9	587.272	718.000	1	0.718	3,597.000	1	3.597	1,100.000	1	1.100	-	-	-	1,100.000	1	1.100
Giraffe 75 Acquisition Radar ^(†)	-	-	-	-	-	-	3,200.000	1	3.200	-	-	-	-	-	-	-	-	-
<i>Subtotal: Recurring Cost</i>	-	-	<i>609.881</i>	-	-	<i>9.854</i>	-	-	<i>25.394</i>	-	-	<i>3.268</i>	-	-	-	-	-	<i>3.268</i>
<i>Subtotal: Flyaway Cost</i>	-	-	<i>609.881</i>	-	-	<i>9.854</i>	-	-	<i>25.394</i>	-	-	<i>3.268</i>	-	-	-	-	-	<i>3.268</i>
Gross/Weapon System Cost	-	-	609.880	-	-	9.854	5,078.800	5	25.394	1,634.000	2	3.268	-	-	-	1,634.000	2	3.268

Secondary Distribution	FY 2014	FY 2015	FY 2016 Base	FY 2016 OCO	FY 2016 Total
Army	-	5	2	-	2
Total Obligation Authority	9.854	25.394	3.268	-	3.268
Total: Secondary Distribution	-	5	2	-	2
Total Obligation Authority	9.854	25.394	3.268	-	3.268

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Exhibit P-5, Cost Analysis: PB 2016 Army		Date: February 2015
Appropriation / Budget Activity / Budget Sub Activity: 2035A / 03 / 90	P-1 Line Item Number / Title: MA6700 / Special Equipment For User Testing	Item Number / Title [DODIC]: MA6700 / Special Equipment For User Testing
ID Code (A=Service Ready, B=Not Service Ready) :	MDAP/MAIS Code:	
(†) indicates the presence of a P-5a		

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Exhibit P-5a, Procurement History and Planning: PB 2016 Army								Date: February 2015				
Appropriation / Budget Activity / Budget Sub Activity: 2035A / 03 / 90			P-1 Line Item Number / Title: MA6700 / Special Equipment For User Testing					Item Number / Title [DODIC]: MA6700 / Special Equipment For User Testing				
Cost Elements	O C O	FY	Contractor and Location	Method/Type or Funding Vehicle	Location of PCO	Award Date	Date of First Delivery	Qty (Each)	Unit Cost (\$ K)	Specs Avail Now?	Date Revision Available	RFP Issue Date
Integrated Threat Force ^(†)		2014	General Dynamics C4 Sys (ITF) / Scottsdale, AZ	C / CPFF	PEO STRI, Orlando, FL	Dec 2013	Dec 2014	1	3,507.000	N		
Integrated Threat Force ^(†)		2015	General Dynamics C4 Sys (ITF) / Scottsdale, AZ	C / CPFF	PEO STRI, Orlando, FL	Dec 2014	Dec 2015	1	5,136.000	N		
Integrated Threat Force ^(†)		2016	General Dynamics C4 Sys (ITF) / Scottsdale, AZ	C / CPFF	PEO STRI, Orlando, FL	Dec 2015	Dec 2016	1	2,168.000	N		
Threat Sig Injection Jammer ^(†)		2014	Scientific Research Corp. / Atlanta, GA	C / CPFF	PEO STRI, Orlando, FL	Dec 2013	Dec 2014	17	331.118	N		
Threat Sig Injection Jammer ^(†)		2015	Scientific Research Corp. / Atlanta, GA	C / CPFF	PEO STRI, Orlando, FL	Dec 2014	Dec 2015	2	6,730.500	N		
Threat Operations ^(†)		2014	Scientific Research Corp. / Atlanta, GA	C / CPFF	PEO STRI, Orlando, FL	Dec 2013	Dec 2014	1	718.000	N		
Threat Operations ^(†)		2015	Test & Evaluation Ser&Tech LLC / Herndon, VA	C / CPFF	PEO STRI, Orlando, FL	Dec 2014	Dec 2015	1	3,597.000	N		
Threat Operations ^(†)		2016	Test & Evaluation Ser&Tech LLC / Herndon, VA	C / CPFF	PEO STRI, Orlando, FL	Nov 2015	Nov 2016	1	1,100.000	N		
Giraffe 75 Acquisition Radar ^(†)		2015	TBD / TBD	C / FFP	PEO STRI, Orlando, FL	Apr 2015	Apr 2016	1	3,200.000	N		

^(†) indicates the presence of a P-21

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Exhibit P-21, Production Schedule: PB 2016 Army															Date: February 2015														
Appropriation / Budget Activity / Budget Sub Activity: 2035A / 03 / 90										P-1 Line Item Number / Title: MA6700 / Special Equipment For User Testing										Item Number / Title [DODIC]: MA6700 / Special Equipment For User Testing									

Cost Elements <i>(Units in Each)</i>				Fiscal Year 2014														Fiscal Year 2015																
O C C #	M F R #	FY	SERVICE	PROC QTY	ACCEPT PRIOR TO 1 OCT 2013	BAL DUE AS OF 1 OCT	Calendar Year 2014														Calendar Year 2015													
							O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	B A L			
Integrated Threat Force																																		
Prior Years Deliveries: 2																																		
1		2014	ARMY	1	-	1				A -	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
1		2015	ARMY	1	-	1																												1
1		2016	ARMY	1	-	1																												1
Threat Sig Injection Jammer																																		
Prior Years Deliveries: 45																																		
2		2014	ARMY	17	-	17				A -	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	4
2		2015	ARMY	2	-	2																												2
Threat Operations																																		
Prior Years Deliveries: 9																																		
3		2014	ARMY	1	-	1				A -	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
4		2015	ARMY	1	-	1																												1
4		2016	ARMY	1	-	1																												1
Giraffe 75 Acquisition Radar																																		
5		2015	ARMY	1	-	1																												1
							O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	B A L			

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Exhibit P-21, Production Schedule: PB 2016 Army		Date: February 2015
Appropriation / Budget Activity / Budget Sub Activity: 2035A / 03 / 90		P-1 Line Item Number / Title: MA6700 / Special Equipment For User Testing
		Item Number / Title [DODIC]: MA6700 / Special Equipment For User Testing

MFR Ref #	MFR Name - Location	Production Rates (Each / Month)			Procurement Leadtime (Months)							
		MSR For 2016	1-8-5 For 2016	MAX For 2016	Initial				Reorder			
					ALT Prior to Oct 1	ALT After Oct 1	Mfg PLT	Total After Oct 1	ALT Prior to Oct 1	ALT After Oct 1	Mfg PLT	Total After Oct 1
1	General Dynamics C4 Sys (ITF) - Scottsdale, AZ	1	2	3	-	2	12	14	-	2	12	14
2	Scientific Research Corp. - Atlanta, GA	1	20	45	-	2	12	14	-	2	12	14
3	Scientific Research Corp. - Atlanta, GA	1	20	45	-	2	12	14	-	2	12	14
4	Test & Evaluation Ser&Tech LLC - Herndon, VA	1	1	1	-	3	3	6	-	-	-	-
5	TBD - TBD	1	1	1	-	1	-	1	-	-	-	-

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

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

Appropriation / Budget Activity / Budget Sub Activity: 2035A: Other Procurement, Army / BA 03: Other Support Equipment / BSA 90: Other Support Equipment	P-1 Line Item Number / Title: G01001 / AMC Critical Items OPA3
---	--

ID Code (A=Service Ready, B=Not Service Ready) :	Program Elements for Code B Items:						Other Related Program Elements:					
Resource Summary	Prior Years	FY 2014	FY 2015	FY 2016 Base	FY 2016 OCO	FY 2016 Total	FY 2017	FY 2018	FY 2019	FY 2020	To Complete	Total
Procurement Quantity (Units in Each)	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Cost (\$ in Millions)	29.616	-	12.975	-	-	-	-	-	-	-	-	42.591
Less PY Advance Procurement (\$ in Millions)	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P1) (\$ in Millions)	29.616	-	12.975	-	-	-	-	-	-	-	-	42.591
Plus CY Advance Procurement (\$ in Millions)	-	-	-	-	-	-	-	-	-	-	-	-
Total Obligation Authority (\$ in Millions)	29.616	-	12.975	-	-	-	-	-	-	-	-	42.591
<i>(The following Resource Summary rows are for informational purposes only. The corresponding budget requests are documented elsewhere.)</i>												
Initial Spares (\$ in Millions)	-	-	-	-	-	-	-	-	-	-	-	-
Flyaway Unit Cost (\$ in Thousands)	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Unit Cost (\$ in Thousands)	-	-	-	-	-	-	-	-	-	-	-	-

Description:

The Army Materiel Command (AMC) identifies Table of Organizational Equipment (TOE) items with identifiable Line Item Numbers (LINs) that have valid unit requirements and support Army force generation requirements. These LINs include: The Shop Equipment, Small Arms Set (LIN: W51499) provides the necessary components for small arms field maintenance. Includes torque multiplier, impact wrench set, storage cabinet, hydraulic hand jack, a variety of hand and power tools, cabinets worktables, stools, etc. The Spare Part Storage Cabinet Set (LIN: T36305) toolset provides the components to accomplish direct and general support for maintenance functions on combat vehicle fire control systems. The Tool Kit, Engineer Rigging & Wire Rope Repair Tool kit (LIN: W50266) contains components required for engineer rigging activities as well as repair components needed in wire rope repairs. The ISO Shelter (LIN: S01359) is a rigid-wall shelter two-sided expansion. Power requirements are 60 amps/100 amps. The ISO provides a mobile, environmentally-controlled working/living space used by the Chemical, Biological, Radiological, Nuclear and High Yield Explosive (CBRNE) Consequence Management Reaction Force (CCMRF) and provides medical facilities; i.e. operating rooms, Dentist Office, Pharmacy. ISO shelter is also used for Command Centers, Classroom, and operator's system control station. The ISO, Non-expandable Shelter (LIN: S00860) is a rigid-wall non-expandable shelter. Power requirements are 60 amps/100 amps. The ISO provides a mobile, environmentally-controlled working/living space and supports Military Intelligence Combat Electronic Warfare Intelligence (CEWI) units. The Individual Swimmer Support Set (LIN: D49154) is comprised of multiple components that support Special Operations infiltration/exfiltration missions. The 40K Water Storage and Distribution System (LIN: W55968) consists of 1 each 350 Gallons Per Minute (GPM) Pumps; 1 each 400 GPM Hypo-chlorination Units; 3 each 20K Water Storage Tanks; 2 EA Chests Tank Storage and 2 EA Equipment Shelters. This system supports Divisions, Brigades, and Hospital Units. The Tank and Pump Unit (TPU) (LIN: V12141) is used by units to provide fuel to their vehicles and equipment. This system includes two 525 gallon (Lo-Profile) tanks, two hose reels, one electric motor driven (EMD), and 50 GPM pumping assembly. It is mounted on a 5 ton truck or Family of Medium Tactical Vehicles. The Lo-Profile 525 gallon tank has recessed top loading, lateral and longitudinal baffling and a dry break bottom loading capability. It meets all environmental and human safety concerns. The Tank Unit Liquid Dispensing (TULD) (LIN: V19950) consists of two 525 gallon tanks (Lo-Profile) and two 600 gallon tanks (Hi-Profile), tie down kit, storage boxes and ancillary equipment. It is mounted on a M106A1 trailer (not included). The TULD is used by units to provide fuel to their vehicles and equipment. The Demolition Set (LIN: F91490) provides the capability to create and remove obstructions, obstacles, and terrain features that will affect friendly and enemy movement. The set contains expendable and non-expendable, non-explosive materials necessary to support electrical and non-electrical initiated standard military explosives as well as Modernized Demolition Initiator (MDI) items. Also includes items that will allow users to assemble and transport initiation systems and charges during field operations, items that will evaluate minimum safe distance requirements, and equipment to computerize charge calculation and placement.

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

Appropriation / Budget Activity / Budget Sub Activity: 2035A: Other Procurement, Army / BA 03: Other Support Equipment / BSA 90: Other Support Equipment	P-1 Line Item Number / Title: G01001 / AMC Critical Items OPA3
---	--

ID Code (A=Service Ready, B=Not Service Ready) :		Program Elements for Code B Items:				Other Related Program Elements:				
Secondary Distribution		FY 2014	FY 2015	FY 2016 Base	FY 2016 OCO	FY 2016 Total	FY 2017	FY 2018	FY 2019	FY 2020
Army	Quantity	-	-	-	-	-	-	-	-	-
	Total Obligation Authority	-	6.465	-	-	-	-	-	-	-
ANG	Quantity	-	-	-	-	-	-	-	-	-
	Total Obligation Authority	-	4.542	-	-	-	-	-	-	-
AR	Quantity	-	-	-	-	-	-	-	-	-
	Total Obligation Authority	-	1.968	-	-	-	-	-	-	-
Total: Secondary Distribution	Quantity	-	-	-	-	-	-	-	-	-
	Total Obligation Authority	-	12.975	-	-	-	-	-	-	-

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

Appropriation / Budget Activity / Budget Sub Activity: 2035A: Other Procurement, Army / BA 03: Other Support Equipment / BSA 90: Other Support Equipment	P-1 Line Item Number / Title: G01001 / AMC Critical Items OPA3
---	--

ID Code (A=Service Ready, B=Not Service Ready) :			Program Elements for Code B Items:			Other Related Program Elements:		
Exhibits Schedule			Prior Years	FY 2014	FY 2015	FY 2016 Base	FY 2016 OCO	FY 2016 Total
Title*	Exhibits	ID CD	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)
G01001 / AMC Critical Items OPA3	P-5, P-5a		- / 29.616	- / -	- / 12.975	- / -	- / -	- / -
Total Gross/Weapon System Cost			- / 29.616	- / -	- / 12.975	- / -	- / -	- / -

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

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

Justification:
The FY15 Base Procurement funding of \$12.975 million will support each of the following TACOM Life Cycle Management Command (LCMC) Missions:

Surface Swimmer Support Sets: There is an extreme shortage of the Surface Swimmer Support Set which supports infiltration and exfiltration for Special Operations Combat Divers. The required authorizations tripled over a short period of time to support future capabilities and requirements for the Army. The current Equipment on Hand is 36%. The system encompasses 12 different legacy systems for Engineers, Special Forces, and new intelligence gathering units.

Rigid Wall Shelters: Shelters are necessary for providing field workstations and communications equipment to deployed units. Currently units are deploying without full authorization, negatively impacting unit readiness and mission. The Non-Expandable Shelter (LIN: S00860) is currently at 17% EOH and the ISO Shelter (LIN: S01359) is 78% EOH.

Shop and Tool Sets: Procurements of shop sets and tool sets will allow the Army to support unit missions both CONUS and OCONUS. Currently, units are deploying without their full authorizations which negatively impacts sustainment and Army equipment. The Shop Equipment, Small Arms Set (LIN: W51499) currently has 66% EOH, the Spare Part Storage Cabinet Set (LIN: T36305) is 95% EOH, and the Tool Kit, Engineer Rigging & Wire Rope Repair Tool kit (LIN: W50266) is 75% EOH.

Tank and Pump Units: It is imperative that the Army maintains an adequate stock position to meet demands and increased sustainment requirements. Without this equipment, aviation and ground refueling missions will be severely compromised.

Water Storage and Distribution Systems: Limited funding will impact readiness of Quartermaster water companies.

Demolition Set: If this requirement is not funded, the tool set will fall short of its AAO by 6144. Failure to provide units this capability will negatively impact the sustainment and readiness of Army equipment. The majority of the shortages are in COMPO 1 active army units and overall shortages are 674 (EOH 90%). This demo set is used in the initiation and set up of explosive breaching and demolition operations.

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Exhibit P-5, Cost Analysis: PB 2016 Army		Date: February 2015
Appropriation / Budget Activity / Budget Sub Activity: 2035A / 03 / 90	P-1 Line Item Number / Title: G01001 / AMC Critical Items OPA3	Item Number / Title [DODIC]: G01001 / AMC Critical Items OPA3

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

Resource Summary	Prior Years	FY 2014	FY 2015	FY 2016 Base	FY 2016 OCO	FY 2016 Total
Procurement Quantity (Units in Each)	-	-	-	-	-	-
Gross/Weapon System Cost (\$ in Millions)	29.616	-	12.975	-	-	-
Less PY Advance Procurement (\$ in Millions)	-	-	-	-	-	-
Net Procurement (P1) (\$ in Millions)	29.616	-	12.975	-	-	-
Plus CY Advance Procurement (\$ in Millions)	-	-	-	-	-	-
Total Obligation Authority (\$ in Millions)	29.616	-	12.975	-	-	-

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

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

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

Cost Elements	Prior Years			FY 2014			FY 2015			FY 2016 Base			FY 2016 OCO			FY 2016 Total		
	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)
Flyaway Cost																		
Recurring Cost																		
F91490: Demolition Equipment Set (TACOM)	1.050	525	0.551	-	-	-	1.934	76	0.147	-	-	-	-	-	-	-	-	-
S00860: ISO, Nonexp Shelter (TACOM) ^(†)	-	-	-	-	-	-	139.000	2	0.278	-	-	-	-	-	-	-	-	-
T36305: Spare Part Storage Cabint (TACOM)	5.077	575	2.919	-	-	-	7.629	272	2.075	-	-	-	-	-	-	-	-	-
V12141: Tank and Pump Unit (TACOM) ^(†)	-	-	-	-	-	-	11.685	260	3.038	-	-	-	-	-	-	-	-	-
V19950: Tank Unit Liquid Dispensing ^(†)	-	-	-	-	-	-	17.057	280	4.776	-	-	-	-	-	-	-	-	-
W51499: Shop Equipment, Small Arm(TACOM) ^(†)	27.311	132	3.605	-	-	-	24.929	70	1.745	-	-	-	-	-	-	-	-	-
W55968: Water Storage/Distribution 4000 ^(†)	304.595	74	22.540	-	-	-	305.333	3	0.916	-	-	-	-	-	-	-	-	-
<i>Subtotal: Recurring Cost</i>	-	-	29.616	-	-	-	-	-	12.975	-	-	-	-	-	-	-	-	-
<i>Subtotal: Flyaway Cost</i>	-	-	29.616	-	-	-	-	-	12.975	-	-	-	-	-	-	-	-	-
Gross/Weapon System Cost	-	-	29.616	-	-	-	-	-	12.975	-	-	-	-	-	-	-	-	-

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

Appropriation / Budget Activity / Budget Sub Activity: 2035A / 03 / 90	P-1 Line Item Number / Title: G01001 / AMC Critical Items OPA3	Item Number / Title [DODIC]: G01001 / AMC Critical Items OPA3
--	--	---

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

Secondary Distribution		FY 2014	FY 2015	FY 2016 Base	FY 2016 OCO	FY 2016 Total
Army	Quantity	-	-	-	-	-
	Total Obligation Authority	-	6.465	-	-	-
ANG	Quantity	-	-	-	-	-
	Total Obligation Authority	-	4.542	-	-	-
AR	Quantity	-	-	-	-	-
	Total Obligation Authority	-	1.968	-	-	-
Total: Secondary Distribution	Quantity	-	-	-	-	-
	Total Obligation Authority	-	12.975	-	-	-

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

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

Appropriation / Budget Activity / Budget Sub Activity: 2035A / 03 / 90	P-1 Line Item Number / Title: G01001 / AMC Critical Items OPA3	Item Number / Title [DODIC]: G01001 / AMC Critical Items OPA3
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Cost Elements	O C O	FY	Contractor and Location	Method/Type or Funding Vehicle	Location of PCO	Award Date	Date of First Delivery	Qty <i>(Each)</i>	Unit Cost <i>(\$ K)</i>	Specs Avail Now?	Date Revision Available	RFP Issue Date
S00860: ISO, Nonexp Shelter (TACOM)		2015	TBS (to be selected) / TBS	C / TBD	TACOM LCMC	Feb 2015	Sep 2015	2	139.000			
V12141: Tank and Pump Unit (TACOM)		2015	TBS (to be selected) / TBS	TBD	TACOM LCMC	Feb 2015	Aug 2015	260	11.685			
V19950: Tank Unit Liquid Dispensing		2015	TBS (to be selected) / TBS	TBD	TACOM LCMC	Feb 2015	Aug 2015	280	17.057			
W51499: Shop Equipment, Small Arm(TACOM)		2015	TBS (to be selected) / TBS	TBD	TACOM LCMC	Feb 2015	Aug 2015	70	24.929			
W55968: Water Storage/Distribution 4000		2015	Sierra Army Depot / Herlong, CA	MIPR	TACOM LCMC	Feb 2015	Aug 2015	3	305.333			

Remarks:
These are COTS items

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

Appropriation / Budget Activity / Budget Sub Activity: 2035A: Other Procurement, Army / BA 03: Other Support Equipment / BSA 90: Other Support Equipment	P-1 Line Item Number / Title: MA8975 / TRACTOR YARD
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ID Code (A=Service Ready, B=Not Service Ready) :			Program Elements for Code B Items:					Other Related Program Elements:				
Resource Summary	Prior Years	FY 2014	FY 2015	FY 2016 Base	FY 2016 OCO	FY 2016 Total	FY 2017	FY 2018	FY 2019	FY 2020	To Complete	Total
Procurement Quantity (Units in Each)	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Cost (\$ in Millions)	103.685	8.000	-	7.191	-	7.191	7.000	6.000	5.000	5.000	Continuing	Continuing
Less PY Advance Procurement (\$ in Millions)	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P1) (\$ in Millions)	103.685	8.000	-	7.191	-	7.191	7.000	6.000	5.000	5.000	Continuing	Continuing
Plus CY Advance Procurement (\$ in Millions)	-	-	-	-	-	-	-	-	-	-	-	-
Total Obligation Authority (\$ in Millions)	103.685	8.000	-	7.191	-	7.191	7.000	6.000	5.000	5.000	Continuing	Continuing
<i>(The following Resource Summary rows are for informational purposes only. The corresponding budget requests are documented elsewhere.)</i>												
Initial Spares (\$ in Millions)	-	-	-	-	-	-	-	-	-	-	-	-
Flyaway Unit Cost (\$ in Thousands)	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Unit Cost (\$ in Thousands)	-	-	-	-	-	-	-	-	-	-	-	-

Description:

This program is reported in accordance with Title 10, United States Code, Section 119(a)(1) in the Special Access Program Annual Report to Congress

Secondary Distribution		FY 2014	FY 2015	FY 2016 Base	FY 2016 OCO	FY 2016 Total	FY 2017	FY 2018	FY 2019	FY 2020
Army	Quantity	-	-	-	-	-	-	-	-	-
	Total Obligation Authority	8.000	-	7.191	-	7.191	7.000	6.000	5.000	5.000
Total: Secondary Distribution	Quantity	-	-	-	-	-	-	-	-	-
	Total Obligation Authority	8.000	-	7.191	-	7.191	7.000	6.000	5.000	5.000

Justification:

This program is reported in accordance with Title 10, United States Code, Section 119(a)(1) in the Special Access Program Annual Report to Congress.

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

Appropriation / Budget Activity / Budget Sub Activity: 2035A: Other Procurement, Army / BA 04: Spare and Repair Parts / BSA 20: OPA2 **P-1 Line Item Number / Title:** BS9100 / INITIAL SPARES - C&E

ID Code (A=Service Ready, B=Not Service Ready) :		Program Elements for Code B Items:					Other Related Program Elements:					
Resource Summary	Prior Years	FY 2014	FY 2015	FY 2016 Base	FY 2016 OCO	FY 2016 Total	FY 2017	FY 2018	FY 2019	FY 2020	To Complete	Total
Procurement Quantity (Units in Each)	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Cost (\$ in Millions)	366.389	29.700	36.032	48.511	-	48.511	31.271	62.720	64.859	135.892	Continuing	Continuing
Less PY Advance Procurement (\$ in Millions)	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P1) (\$ in Millions)	366.389	29.700	36.032	48.511	-	48.511	31.271	62.720	64.859	135.892	Continuing	Continuing
Plus CY Advance Procurement (\$ in Millions)	-	-	-	-	-	-	-	-	-	-	-	-
Total Obligation Authority (\$ in Millions)	366.389	29.700	36.032	48.511	-	48.511	31.271	62.720	64.859	135.892	Continuing	Continuing

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

Initial Spares (\$ in Millions)	-	-	-	-	-	-	-	-	-	-	-	-
Flyaway Unit Cost (\$ in Thousands)	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Unit Cost (\$ in Thousands)	-	-	-	4,042.583	-	4,042.583	-	-	-	-	Continuing	Continuing

Description:

Program provides for procurement of spares to support initial fielding of new or modified end items.

Secondary Distribution		FY 2014	FY 2015	FY 2016 Base	FY 2016 OCO	FY 2016 Total	FY 2017	FY 2018	FY 2019	FY 2020
Army	Quantity	-	-	-	-	-	-	-	-	-
	Total Obligation Authority	29.700	36.032	48.511	-	48.511	31.271	62.720	64.859	135.892
Total: Secondary Distribution	Quantity	-	-	-	-	-	-	-	-	-
	Total Obligation Authority	29.700	36.032	48.511	-	48.511	31.271	62.720	64.859	135.892

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

Appropriation / Budget Activity / Budget Sub Activity: 2035A: Other Procurement, Army / BA 04: Spare and Repair Parts / BSA 20: OPA2 **P-1 Line Item Number / Title:** BS9100 / INITIAL SPARES - C&E

ID Code (A=Service Ready, B=Not Service Ready) :			Program Elements for Code B Items:			Other Related Program Elements:		
Exhibits Schedule			Prior Years	FY 2014	FY 2015	FY 2016 Base	FY 2016 OCO	FY 2016 Total
Title*	Exhibits	ID CD	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)
BS9710 / MCS SPARES	P-40a		34 / 26.406	15 / 0.655	11 / 0.637	12 / 0.626	- / -	12 / 0.626
BS9716 / NON PEO-SPARES	P-40a	A	- / 51.328	- / -	- / 3.521	- / 2.530	- / -	- / 2.530
BS9720 / SMART-T SPARES (SPACE)	P-40a		- / 59.099	- / -	- / -	- / -	- / -	- / -
BS9741 / WIN-T INCREMENT 2 Spares	P-40a		- / 103.640	- / 21.629	- / 26.100	- / 39.532	- / -	- / 39.532
BS9721 / DEFENSE SATCOM SYS SPARES (SPACE)	P-5		- / 125.916	- / 7.416	- / 5.774	- / 5.823	- / -	- / 5.823
Total Gross/Weapon System Cost			- / 366.389	- / 29.700	- / 36.032	- / 48.511	- / -	- / 48.511

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

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

Justification:
 FY 2016 Base procurement funding in the amount of \$48.511 million procures Depot Level Reparable (DLR) secondary items from the Supply Management, Army activity of the Army Working Capital Fund. To provide initial support, funds are normally required in the same year that end items are fielded.

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Exhibit P-40a, Budget Item Justification For Aggregated Items: PB 2016 Army															Date: February 2015				
Appropriation / Budget Activity / Budget Sub Activity: 2035A / 04 / 20						P-1 Line Item Number / Title: BS9100 / INITIAL SPARES - C&E									Aggregated Items Title: Various				

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

Item Number / Title [DODIC]	ID CD	MDAP/MAIS Code	Prior Years			FY 2014			FY 2015			FY 2016 Base			FY 2016 OCO			FY 2016 Total		
			Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)
MCS SPARES																				
BS9710 / MCS SPARES			776.647	34	26.406	43.667	15	0.655	57.909	11	0.637	52.167	12	0.626	-	-	-	52.167	12	0.626
<i>Secondary Distribution</i>																				
Army				-	-		15	0.655		11	0.637		12	0.626		-	-		12	0.626
BS9716 / NON PEO-SPARES	A		-	-	51.328	-	-	-	-	-	3.521	-	-	2.530	-	-	-	-	-	2.530
<i>Secondary Distribution</i>																				
Army				-	-		-	-		-	3.521		-	2.530		-	-		-	2.530
BS9720 / SMART-T SPARES (SPACE)			-	-	59.099	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BS9741 / WIN-T INCREMENT 2 Spares			-	-	103.640	-	-	21.629	-	-	26.100	-	-	39.532	-	-	-	-	-	39.532
<i>Secondary Distribution</i>																				
Army				-	-		-	21.629		-	26.100		-	39.532		-	-		-	39.532
Subtotal: MCS SPARES			-	-	240.473	-	-	22.284	-	-	30.258	-	-	42.688	-	-	-	-	-	42.688
Total			-	-	240.473	-	-	22.284	-	-	30.258	-	-	42.688	-	-	-	-	-	42.688

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Exhibit P-5, Cost Analysis: PB 2016 Army		Date: February 2015
Appropriation / Budget Activity / Budget Sub Activity: 2035A / 04 / 20		P-1 Line Item Number / Title: BS9100 / INITIAL SPARES - C&E
		Item Number / Title [DODIC]: BS9721 / DEFENSE SATCOM SYS SPARES (SPACE)

ID Code (A=Service Ready, B=Not Service Ready) :	MDAP/MAIS Code:
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Resource Summary	Prior Years	FY 2014	FY 2015	FY 2016 Base	FY 2016 OCO	FY 2016 Total
Procurement Quantity (Units in Each)	-	-	-	-	-	-
Gross/Weapon System Cost (\$ in Millions)	125.916	7.416	5.774	5.823	-	5.823
Less PY Advance Procurement (\$ in Millions)	-	-	-	-	-	-
Net Procurement (P1) (\$ in Millions)	125.916	7.416	5.774	5.823	-	5.823
Plus CY Advance Procurement (\$ in Millions)	-	-	-	-	-	-
Total Obligation Authority (\$ in Millions)	125.916	7.416	5.774	5.823	-	5.823

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

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

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

Cost Elements	Prior Years			FY 2014			FY 2015			FY 2016 Base			FY 2016 OCO			FY 2016 Total		
	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)
Flyaway Cost																		
Recurring Cost																		
Remote Monitor Control Equipment (RCME)	-	-	1.297	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Global Satellite Configuration Control	-	-	42.469	-	-	1.418	-	-	1.682	-	-	-	-	-	-	-	-	-
Wideband Remote Monitoring Sensor (WRMS)	-	-	39.272	-	-	1.417	-	-	1.683	-	-	-	-	-	-	-	-	-
Modernization of Enterprise Terminals	-	-	42.878	-	-	4.581	-	-	2.409	-	-	2.887	-	-	-	-	-	2.887
Wideband Operational Mgmt System	-	-	-	-	-	-	-	-	-	-	-	2.936	-	-	-	-	-	2.936
Subtotal: Recurring Cost	-	-	125.916	-	-	7.416	-	-	5.774	-	-	5.823	-	-	-	-	-	5.823
Subtotal: Flyaway Cost	-	-	125.916	-	-	7.416	-	-	5.774	-	-	5.823	-	-	-	-	-	5.823
Gross/Weapon System Cost	-	-	125.916	-	-	7.416	-	-	5.774	-	-	5.823	-	-	-	-	-	5.823

Secondary Distribution		FY 2014	FY 2015	FY 2016 Base	FY 2016 OCO	FY 2016 Total
Army	Quantity	-	-	-	-	-
	Total Obligation Authority	7.416	5.774	5.823	-	5.823

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Exhibit P-5, Cost Analysis: PB 2016 Army		Date: February 2015
Appropriation / Budget Activity / Budget Sub Activity: 2035A / 04 / 20	P-1 Line Item Number / Title: BS9100 / INITIAL SPARES - C&E	Item Number / Title [DODIC]: BS9721 / DEFENSE SATCOM SYS SPARES (SPACE)

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

Secondary Distribution		FY 2014	FY 2015	FY 2016 Base	FY 2016 OCO	FY 2016 Total
Total:	Quantity	-	-	-	-	-
Secondary Distribution	Total Obligation Authority	7.416	5.774	5.823	-	5.823

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