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

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

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

Resource Summary	Prior Years	FY 2014	FY 2015	FY 2016 Base	FY 2016 OCO	FY 2016 Total	FY 2017	FY 2018	FY 2019	FY 2020	To Complete	Total
Procurement Quantity (Units in Each)	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Cost ($ in Millions)	540.709	2.778	2.849	1.042	-	1.042	1.053	-	-	-	-	548.431
Less PY Advance Procurement ($ in Millions)	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P1) ($ in Millions)	540.709	2.778	2.849	1.042	-	1.042	1.053	-	-	-	-	548.431
Plus CY Advance Procurement ($ in Millions)	-	-	-	-	-	-	-	-	-	-	-	-
Total Obligation Authority ($ in Millions)	540.709	2.778	2.849	1.042	-	1.042	1.053	-	-	-	-	548.431
(The following Resource Summary rows are for informational purposes only. The corresponding budget requests are documented elsewhere.)												
Initial Spares ($ in Millions)	-	-	-	-	-	-	-	-	-	-	-	-
Flyaway Unit Cost ($ in Thousands)	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Unit Cost ($ in Thousands)	-	-	-	-	-	-	-	-	-	-	-	-

Description:

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

The T-CDMP Approved Acquisition Objective is 318.

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

Exhibit P-40, Budget Line Item Justification: PB 2016 Army	Date: February 2015
Appropriation / Budget Activity / Budget Sub Activity: 2035A: Other Procurement, Army / BA 02: Communications and Electronics Equipment / BSA 18: Comm - Satellite Communications	**P-1 Line Item Number / Title:** BB8417 / Mod Of In-Svc Equip (TAC SAT)

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

Exhibits Schedule			Prior Years	FY 2014	FY 2015	FY 2016 Base	FY 2016 OCO	FY 2016 Total
Title*	Exhibits	ID CD	Quantity / Total Cost (Each) I ($ M)	Quantity / Total Cost (Each) I ($ M)	Quantity / Total Cost (Each) I ($ M)	Quantity / Total Cost (Each) I ($ M)	Quantity / Total Cost (Each) I ($ M)	Quantity / Total Cost (Each) I ($ M)
BB8417 / MOD OF IN SVC EQUIP (TACSAT) (0)	P-3a		- / 540.709	- / 2.778	- / 2.849	- / 1.042	- / -	- / 1.042
Total Gross/Weapon System Cost			**- / 540.709**	**- / 2.778**	**- / 2.849**	**- / 1.042**	**- / -**	**- / 1.042**
Exhibits Schedule			**FY 2017**	**FY 2018**	**FY 2019**	**FY 2020**	**To Complete**	**Total**
Title*	Exhibits	ID CD	Quantity / Total Cost (Each) I ($ M)	Quantity / Total Cost (Each) I ($ M)	Quantity / Total Cost (Each) I ($ M)	Quantity / Total Cost (Each) I ($ M)	Quantity / Total Cost (Each) I ($ M)	Quantity / Total Cost (Each) I ($ M)
BB8417 / MOD OF IN SVC EQUIP (TACSAT) (0)	P-3a		- / 1.053	- / -	- / -	- / -	- / -	- / 548.431
Total Gross/Weapon System Cost			**- / 1.053**	**- / -**	**- / -**	**- / -**	**- / -**	**- / 548.431**

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

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

Justification:

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

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

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

Resource Summary	Prior Years	FY 2014	FY 2015	FY 2016 Base	FY 2016 OCO	FY 2016 Total	FY 2017	FY 2018	FY 2019	FY 2020	To Complete	Total
Procurement Quantity (Units in Each)	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Cost ($ in Millions)	540.709	2.778	2.849	1.042	-	1.042	1.053	-	-	-	-	548.431
Less PY Advance Procurement ($ in Millions)	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P1) ($ in Millions)	540.709	2.778	2.849	1.042	-	1.042	1.053	-	-	-	-	548.431
Plus CY Advance Procurement ($ in Millions)	-	-	-	-	-	-	-	-	-	-	-	-
Total Obligation Authority ($ in Millions)	**540.709**	**2.778**	**2.849**	**1.042**	**-**	**1.042**	**1.053**	**-**	**-**	**-**	**-**	**548.431**
(The following Resource Summary rows are for informational purposes only. The corresponding budget requests are documented elsewhere.)												
Initial Spares ($ in Millions)	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Unit Cost ($ in Thousands)	-	-	-	-	-	-	-	-	-	-	-	-

Description:

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

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

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

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

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

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

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

Modification Item 1 of 1: T-CDMP

Manufacturer Information

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

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

Installation Information

Method of Implementation: N/A

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

Installation Schedule

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