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Exhibit P-40, Budget Line Item Justification: PB 2017 Army **Date:** February 2016

Appropriation / Budget Activity / Budget Sub Activity: 2035A: Other Procurement, Army / BA 02: Communications and Electronics Equipment / BSA 12: Comm - Joint Communications	P-1 Line Item Number / Title: BW7100 / WIN-T - Ground Forces Tactical Network
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ID Code (A=Service Ready, B=Not Service Ready): A	Program Elements for Code B Items: N/A	Other Related Program Elements: 0603782A, 0605350A, 0300349A
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Line Item MDAP/MAIS Code: N/A	Item MDAP/MAIS Code(s): 346, 349
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Resource Summary	Prior Years	FY 2015	FY 2016	FY 2017 Base	FY 2017 OCO	FY 2017 Total	FY 2018	FY 2019	FY 2020	FY 2021	To Complete	Total
Procurement Quantity (<i>Units in Each</i>)	7,740	1,188	1,219	621	3	624	2,113	1,727	2,210	1,660	Continuing	Continuing
Gross/Weapon System Cost (<i>\$ in Millions</i>)	3,488.033	664.087	695.116	427.598	9.572	437.170	705.017	686.482	784.093	748.258	Continuing	Continuing
Less PY Advance Procurement (<i>\$ in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P-1) (<i>\$ in Millions</i>)	3,488.033	664.087	695.116	427.598	9.572	437.170	705.017	686.482	784.093	748.258	Continuing	Continuing
Plus CY Advance Procurement (<i>\$ in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Total Obligation Authority (<i>\$ in Millions</i>)	3,488.033	664.087	695.116	427.598	9.572	437.170	705.017	686.482	784.093	748.258	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>)	450.650	558.996	570.235	688.564	3,190.667	700.593	333.657	397.500	354.793	450.758	Continuing	Continuing

Description:

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

Warfighter Information Network- Tactical (WIN-T) Increment (Inc) 1: Networking At-the-Halt

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

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

Warfighter Information Network (WIN-T) Increment 2 (Inc 2) provides the Army with On-The-Move (OTM) networking capability. The Inc 2 network retains capabilities delivered by WIN-T Inc 1 and by leveraging proven government and commercial technologies, adds greater network throughput and automated Network Management to optimize planning (to include spectrum use), initialization, monitoring and troubleshooting. WIN-T Inc 2 employs Satellite Communications (SATCOM) OTM to extend the network in maneuver Brigade Combat Teams (BCTs) to Company level for the first time through FY18. Using equipment mounted on combat platforms, WIN-T Inc 2 delivers a mobile capability that reduces reliance on fixed infrastructure and allows key leaders to move on the battlefield while retaining Situational Awareness and Mission Command capabilities. Using the Highband Networking Radio, with the Highband Networking Waveform and high performance antennas, the WIN-T Inc 2 Line-of-Sight network offers an adaptive 30 Megabit per second (Mbps) aggregate throughput to key leaders in their Command Post or in their vehicle. The WIN-T Inc 2 network is self-forming, which means that it automatically creates transmission paths based on terrain and environmental conditions; and self-healing, meaning that the paths will automatically re-route traffic to complete network transactions and calls even if one or more nodes break down or loses connectivity. This offers greater network reliability and better end-to-end connectivity than traditional point-to-point networks. WIN-T Inc 2 introduces the network management capability needed to keep the mobile and dispersed forces networked together through automated planning, initialization, monitoring, and troubleshooting. Finally, WIN-T Inc 2 adopts "Colorless Core" technology that

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ID Code (A=Service Ready, B=Not Service Ready): A	Program Elements for Code B Items: N/A	Other Related Program Elements: 0603782A, 0605350A, 0300349A
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Line Item MDAP/MAIS Code: N/A	Item MDAP/MAIS Code(s): 346, 349
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encrypts both classified and unclassified user information in the network and minimizes the number of users on the "core" of the network. The Colorless Core allows commanders to utilize the tactical network without fear of the enemy intercepting information. Colorless Core is a technical insertion in the WIN-T Inc 1b network which enables information sharing between WIN-T Inc 1b and WIN-T Inc 2.

The WIN-T Inc 2 capabilities are identified for fielding to Armored, Infantry, and Stryker BCTs, Fires and CABs and Division Headquarters. The Point of Presence and the Tactical Communications Node have both satellite and Line-of-Sight communication capability. The Soldier Network Extension (SNE) provides satellite communication only. The Point of Presence and the Tactical Communications Node are deployed at Division, Brigade and Battalion echelons. The SNE serves as the S3 vehicle at Battalion level and is also deployed down to Company level through FY18, when Network Capability Review (NCR) removes SNEs from the Company Commanders.

WIN-T Inc 3 developed NetOps and NetCentric Waveform (NCW) updates will be inserted into WIN-T Increment 2 equipped units.

Area Common User System Modernization (ACUS MOD):

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

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

These systems will be fielded to WIN-T Inc 1 units according to the Army Force Generation (ARFORGEN) schedule.

Secondary Distribution		FY 2015	FY 2016	FY 2017 Base	FY 2017 OCO	FY 2017 Total	FY 2018	FY 2019	FY 2020	FY 2021
Army	Quantity	835	460	322	3	325	1,237	787	1,194	507
	Total Obligation Authority	642.400	352.267	272.432	9.572	282.004	405.808	325.912	450.157	256.212
ANG	Quantity	208	744	288	-	288	876	940	1,016	1,153
	Total Obligation Authority	12.935	339.669	151.686	-	151.686	299.209	360.570	333.936	492.046
AR	Quantity	145	15	11	-	11	-	-	-	-
	Total Obligation Authority	8.752	3.180	3.480	-	3.480	-	-	-	-
Total: Secondary Distribution	Quantity	1,188	1,219	621	3	624	2,113	1,727	2,210	1,660
	Total Obligation Authority	664.087	695.116	427.598	9.572	437.170	705.017	686.482	784.093	748.258

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

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

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

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

Exhibits Schedule				Prior Years	FY 2015	FY 2016	FY 2017 Base	FY 2017 OCO	FY 2017 Total
Exhibit Type	Title*	Subexhibits	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)
P-5	BW7110 / INCREMENT 1 - NETWORKING AT THE HALT	P-5a, P-21		- / 517.056	- / 264.331	- / 200.437	- / 109.567	- / 8.284	- / 117.851
P-5	BW7115 / INCREMENT 2 - INITIAL NETWORKING ON THE MOVE	P-5a, P-21		6,755 / 2,368.192	569 / 361.709	847 / 416.463	338 / 290.645	3 / 1.288	341 / 291.933
P-5	BW7130 / WIN-T - ACUS MODS	P-5a, P-21		985 / 602.785	619 / 38.047	372 / 78.216	283 / 27.386	- / -	283 / 27.386
P-40	Total Gross/Weapon System Cost			7,740 / 3,488.033	1,188 / 664.087	1,219 / 695.116	621 / 427.598	3 / 9.572	624 / 437.170

*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 sum exactly due to rounding.

Justification:

FY 2017 Base procurement dollars in the amount of \$437.170 million supports WIN-T Increments 1, 2 and ACUS MOD requirements below:

WIN-T Inc 1: FY 2017 Base dollars in the amount of \$109.567 million procures tech modernization equipment to support 35 various size units and the Regional Hub Nodes (RHN).

(a) Technical refresh and modernization are critical to ensure the Army's tactical network maintains its security posture and compliance with new Information Assurance policies. WIN-T Inc 1 is executing a 5-year tech refresh cycle to counter obsolescence and inability to sustain COTS IT components. A 5-year tech refresh cycle equates to 20% of the fleet annually (15-35) units of various sizes will undergo tech refresh annually. Modernizing with virtualization reduces life cycle costs by reducing Size, Weight, and Power through collapsing and converging capabilities that previously resided on individual hardware components into virtual servers, and leveraging common COTS solutions across various programs.

(b) Supports RHN transport convergence and end of life/tech refresh initiatives including requirements such as X-Band (in preparation for T2C2).

FY 2017 Overseas Contingency Operations (OCO) dollars in the amount of \$8.284 million will provide funding for the Ruggedized Tactical Communications Network Extensions (RTCNE) (PACSTAR or Equivalent) which provides the Combined Joint Task Force (CJTF) Advise and Assist teams the ability to extend IT data and security services from the Mission Command Node-Technical Control Facilities (MCN-TCF) to the End User Buildings (EUB) where the operational assets for the CJTF reside. This provides rapid expansion capability in an expeditionary foot print across the BPCs supporting 2000 US and Coalition users across 5 networks. This solution provides decision makers within the CJTF-OIR area of operations with a rapid and reliable connection to ARCENT SWA IT and Mission Command services. This capability would support small and medium sized Command Posts.

All of the FY17 efforts enable Army units to communicate more efficiently with WIN-T Increment 2 units and enhances Increment 1 information assurance and information security.

WIN-T Inc 2: FY 2017 Base procurement dollars in the amount of \$290.645 million procures 12 communications nodes (6 TCNs, 6 PoPs) and 326 other Configuration Items for fielding to 2 Divisions. FY 2017 funds will also continue to field and support previously procured assets.

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

Average Weapon System Procurement Unit Cost varies due to mix of configuration items (CIs) and procured quantities of echelons (e.g., Stryker BCT) to achieve Army fielding requirements. For example, Divisions have fewer CIs resulting in a higher average cost per unit as is the case in FY17.

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Appropriation / Budget Activity / Budget Sub Activity: 2035A: Other Procurement, Army / BA 02: Communications and Electronics Equipment / BSA 12: Comm - Joint Communications		P-1 Line Item Number / Title: BW7100 / WIN-T - Ground Forces Tactical Network
ID Code (A=Service Ready, B=Not Service Ready): A	Program Elements for Code B Items: N/A	Other Related Program Elements: 0603782A, 0605350A, 0300349A
Line Item MDAP/MAIS Code: N/A	Item MDAP/MAIS Code(s): 346, 349	
<p>The FY17 OCO includes \$1.288 million to support the COCOM requirement for unit equipment sets to deter potential adversaries and support the European Reassurance Initiatives. The procurements include 1 Tactical Relay-Tower and 2 Vehicle Wireless Packages.</p> <p>An Acquisition Decision Memorandum on May 30, 2014 directed the restructure of WIN-T Inc 3. As a result of this restructure, and once approved in an updated Capability Production Document (CPD), the Army Acquisition Objective (AAO) for WIN-T Inc 2 will be revised. At present, the AAO for WIN-T Inc 2 is 2,937 nodes, based on quantities in the WIN-T Inc 2 CPD approved by the Joint Requirements Oversight Council on 25 Nov 08, and most recently revised (Revision 3) and approved on 17 Oct 14.</p> <p>WIN-T Inc 2 will be fielded based on the Army Force Generation cycle.</p> <p>ACUS MODS: FY 2017 Base procurement dollars in the amount of \$27.386 million will procure and field 283 Battlefield Video-Teleconferencing Center(BVTC) III systems to replace BVTC II which has reached end of life. The funds will also support fielding, logistics, tech refresh, unit validation tests, and program management support for the Single Shelter Switch (SSS), TNMS and HCLOS.</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 2017 Army		Date: February 2016
Appropriation / Budget Activity / Budget Sub Activity: 2035A / 02 / 12	P-1 Line Item Number / Title: BW7100 / WIN-T - Ground Forces Tactical Network	Item Number / Title [DODIC]: BW7110 / INCREMENT 1 - NETWORKING AT THE HALT

ID Code (A=Service Ready, B=Not Service Ready) :	MDAP/MAIS Code: 346
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Resource Summary	Prior Years	FY 2015	FY 2016	FY 2017 Base	FY 2017 OCO	FY 2017 Total
Procurement Quantity (Units in Each)	-	-	-	-	-	-
Gross/Weapon System Cost (\$ in Millions)	517.056	264.331	200.437	109.567	8.284	117.851
Less PY Advance Procurement (\$ in Millions)	-	-	-	-	-	-
Net Procurement (P-1) (\$ in Millions)	517.056	264.331	200.437	109.567	8.284	117.851
Plus CY Advance Procurement (\$ in Millions)	-	-	-	-	-	-
Total Obligation Authority (\$ in Millions)	517.056	264.331	200.437	109.567	8.284	117.851

(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 sum exactly due to rounding.

Cost Elements	Prior Years			FY 2015			FY 2016			FY 2017 Base			FY 2017 OCO			FY 2017 Total		
	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)
Flyaway Cost																		
Recurring Cost																		
Components (NCW MODEM)	-	-	59.704	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MWO kits	-	-	27.730	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
ESB MWO kits ^(†)	3,288.000	9	29.592	3,288.000	3	9.864	-	-	-	-	-	-	-	-	-	-	-	-
BCT MWO kits ^(†)	1,024.000	66	67.584	1,024.000	27	27.648	-	-	-	-	-	-	-	-	-	-	-	-
Division MWO kits ^(†)	1,341.000	8	10.728	1,341.000	1	1.341	-	-	-	-	-	-	-	-	-	-	-	-
Network Operation - Signal School	-	-	10.368	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
ENG/INTG	-	-	40.991	-	-	7.500	-	-	1.223	-	-	-	-	-	-	-	-	-
Contractor Field Service Representative	-	-	39.178	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Training	-	-	36.578	-	-	8.669	-	-	10.645	-	-	-	-	-	-	-	-	-
Fielding	-	-	58.431	-	-	11.000	-	-	13.011	-	-	-	-	-	-	-	-	-
RHN	-	-	13.645	-	-	7.500	-	-	7.630	-	-	7.806	-	-	-	-	-	7.806
PACSTAR	-	-	8.000	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
FDMA/STT's SATCOM Upgrade	-	-	4.800	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Initial Spares	-	-	26.413	-	-	2.000	-	-	-	-	-	-	-	-	-	-	-	-
Software	-	-	21.092	-	-	2.000	-	-	1.736	-	-	-	-	-	-	-	-	-

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Exhibit P-5, Cost Analysis: PB 2017 Army												Date: February 2016					
Appropriation / Budget Activity / Budget Sub Activity: 2035A / 02 / 12						P-1 Line Item Number / Title: BW7100 / WIN-T - Ground Forces Tactical Network						Item Number / Title [DODIC]: BW7110 / INCREMENT 1 - NETWORKING AT THE HALT					
ID Code (A=Service Ready, B=Not Service Ready) :												MDAP/MAIS Code: 346					

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

Cost Elements	Prior Years			FY 2015			FY 2016			FY 2017 Base			FY 2017 OCO			FY 2017 Total		
	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)
NETOPS HW	-	-	12.096	-	-	61.316	-	-	-	-	-	-	-	-	-	-	-	-
NETOPS SW	-	-	5.080	-	-	29.417	-	-	-	-	-	-	-	-	-	-	-	-
ESB NETOPS Kits ^(†)	-	-	-	-	-	-	4,603.200	2	9.206	-	-	-	-	-	-	-	-	-
BCT NETOPS kits ^(†)	-	-	-	-	-	-	1,433.600	30	43.008	-	-	-	-	-	-	-	-	-
Division NETOPS Kits ^(†)	-	-	-	-	-	-	1,877.400	2	3.755	-	-	-	-	-	-	-	-	-
NETOPS Fielding	-	-	4.112	-	-	10.887	-	-	5.313	-	-	-	-	-	-	-	-	-
NETOPS Training	-	-	-	-	-	9.979	-	-	2.550	-	-	-	-	-	-	-	-	-
Netops ENG/INTG	-	-	2.903	-	-	13.610	-	-	4.779	-	-	-	-	-	-	-	-	-
ESB Tech-Mod Kits ^(†)	-	-	-	-	-	-	5,589.600	2	11.179	5,918.000	2	11.836	-	-	-	5,918.000	2	11.836
BCT Tech-Mod Kits ^(†)	-	-	-	-	-	-	1,740.800	30	52.224	1,843.147	30	55.294	-	-	-	1,843.147	30	55.294
Division Tech-Mod Kits ^(†)	-	-	-	-	-	-	2,279.500	2	4.559	2,413.667	3	7.241	-	-	-	2,413.667	3	7.241
Technical Refresh/ Modernization Fielding	-	-	-	-	-	-	-	-	5.313	-	-	5.074	-	-	-	-	-	5.074
Technical Refresh/ Modernization Training	-	-	-	-	-	-	-	-	2.766	-	-	3.752	-	-	-	-	-	3.752
Technical Refresh/ Modernization ENG/ INTG	-	-	-	-	-	-	-	-	9.559	-	-	5.692	-	-	-	-	-	5.692
Secure Wireless MWO kits ^(†)	-	-	-	269.494	156	42.041	-	-	-	-	-	-	-	-	-	-	-	-
Secure Wireless Support	-	-	-	-	-	10.559	-	-	-	-	-	-	-	-	-	-	-	-
RTCNE ^(†)	-	-	-	-	-	-	-	-	-	-	-	-	133.613	62	8.284	133.613	62	8.284
<i>Subtotal: Recurring Cost</i>	-	-	<i>479.025</i>	-	-	<i>255.331</i>	-	-	<i>188.456</i>	-	-	<i>96.695</i>	-	-	<i>8.284</i>	-	-	<i>104.979</i>
<i>Subtotal: Flyaway Cost</i>	-	-	<i>479.025</i>	-	-	<i>255.331</i>	-	-	<i>188.456</i>	-	-	<i>96.695</i>	-	-	<i>8.284</i>	-	-	<i>104.979</i>
Support - Program Management Cost																		
Government Management	-	-	17.494	-	-	4.140	-	-	5.510	-	-	5.916	-	-	-	-	-	5.916
Contractor Management	-	-	20.536	-	-	4.860	-	-	6.471	-	-	6.956	-	-	-	-	-	6.956
<i>Subtotal: Support - Program Management Cost</i>	-	-	<i>38.030</i>	-	-	<i>9.000</i>	-	-	<i>11.981</i>	-	-	<i>12.872</i>	-	-	-	-	-	<i>12.872</i>
Gross/Weapon System Cost	-	-	517.056	-	-	264.331	-	-	200.437	-	-	109.567	-	-	8.284	-	-	117.851

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Exhibit P-5, Cost Analysis: PB 2017 Army		Date: February 2016
Appropriation / Budget Activity / Budget Sub Activity: 2035A / 02 / 12	P-1 Line Item Number / Title: BW7100 / WIN-T - Ground Forces Tactical Network	Item Number / Title [DODIC]: BW7110 / INCREMENT 1 - NETWORKING AT THE HALT

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

Secondary Distribution		FY 2015	FY 2016	FY 2017 Base	FY 2017 OCO	FY 2017 Total
Army	Quantity	-	-	-	-	-
	Total Obligation Authority	264.331	200.437	109.567	8.284	117.851
Total:	Quantity	-	-	-	-	-
Secondary Distribution	Total Obligation Authority	264.331	200.437	109.567	8.284	117.851

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

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Exhibit P-5a, Procurement History and Planning: PB 2017 Army								Date: February 2016				
Appropriation / Budget Activity / Budget Sub Activity: 2035A / 02 / 12			P-1 Line Item Number / Title: BW7100 / WIN-T - Ground Forces Tactical Network					Item Number / Title [DODIC]: BW7110 / INCREMENT 1 - NETWORKING AT THE HALT				
Cost Elements	O C O	FY	Contractor and Location	Method/Type or Funding Vehicle	Location of PCO	Award Date	Date of First Delivery	Qty (Each)	Unit Cost (\$ K)	Specs Avail Now?	Date Revision Available	RFP Issue Date
ESB MWO kits ^(†)		2015	ESB MWO Kits / Various	C / IDIQ	Aberdeen Proving Ground, MD	Jan 2015	Jul 2015	3	3,288.000	Y		Nov 2014
BCT MWO kits ^(†)		2015	BCT MWO Kits / Various	C / IDIQ	Aberdeen Proving Ground, MD	Jan 2015	Jul 2015	27	1,024.000	Y		Nov 2014
Division MWO kits ^(†)		2015	DIV MWO Kits / Various	C / IDIQ	Aberdeen Proving Ground, MD	Jan 2015	Jul 2015	1	1,341.000	Y		Nov 2014
ESB NETOPS Kits ^(†)		2016	ESB NETOPS Kits / GDMS, Taunton, MA	C / IDIQ	Aberdeen Proving Ground, MD	Jan 2016	May 2016	2	4,603.200	Y		Mar 2012
BCT NETOPS kits ^(†)		2016	BCT NETOPS Kits / GDMS Taunton, MA	C / IDIQ	Aberdeen Proving Ground, MD	Jan 2016	May 2016	30	1,433.600	Y		Mar 2012
Division NETOPS Kits ^(†)		2016	DIV NETOPS Kits / GDMS Taunton, MA	C / IDIQ	Aberdeen Proving Ground, MD	Jan 2016	May 2016	2	1,877.400	Y		Mar 2012
ESB Tech-Mod Kits ^(†)		2016	ESB Tech-Mod Kits / GDMS Taunton, MA	C / IDIQ	Aberdeen Proving Ground, MD	Jan 2016	May 2016	2	5,589.600	Y		Mar 2012
ESB Tech-Mod Kits ^(†)		2017	ESB Tech-Mod Kits / GDMS Taunton, MA	C / IDIQ	Aberdeen Proving Ground, MD	Jan 2017	May 2017	2	5,918.000	Y		Jul 2015
BCT Tech-Mod Kits ^(†)		2016	BCT Tech-Mod Kits / GDMS Taunton, MA	C / IDIQ	Aberdeen Proving Ground, MD	Jan 2016	May 2016	30	1,740.800	Y		Mar 2012
BCT Tech-Mod Kits ^(†)		2017	BCT Tech-Mod Kits / GDMS Taunton, MA	C / IDIQ	Aberdeen Proving Ground	Jan 2017	May 2017	30	1,843.147	Y		Jul 2015
Division Tech-Mod Kits ^(†)		2016	DIV Tech- Mod Kits / GDMS Taunton, MA	C / IDIQ	Aberdeen Proving Ground, MD	Jan 2016	May 2016	2	2,279.500	Y		Mar 2012
Division Tech-Mod Kits ^(†)		2017	DIV Tech- Mod Kits / GDMS Taunton, MA	C / IDIQ	Aberdeen Proving Ground	Jan 2017	May 2017	3	2,413.667	Y		Jul 2015
Secure Wireless MWO kits ^(†)		2015	Secure Wireless MWO kits / GDMS Taunton, MA	C / IDIQ	Aberdeen Proving Ground	Sep 2015	Feb 2016	156	269.494	Y		Sep 2015
RTCNE ^(†)	✓	2017	TBD-RCTNE / TBD	TBD	TBD-RCTNE	Jun 2017	Mar 2018	62	133.613			

^(†) indicates the presence of a P-21

Remarks:

1. In FY16 - 31 units will be fielded with Inc 1b MWO kits which were procured in FY15. In addition, Secure Wireless MWO kits which were procured in FY15 will be fielded.
2. In FY17 - 34 units will be fielded NETOPS/Modernization kits which were procured in FY16.

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

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Exhibit P-21, Production Schedule: PB 2017 Army																							Date: February 2016							
Appropriation / Budget Activity / Budget Sub Activity: 2035A / 02 / 12										P-1 Line Item Number / Title: BW7100 / WIN-T - Ground Forces Tactical Network										Item Number / Title [DODIC]: BW7110 / INCREMENT 1 - NETWORKING AT THE HALT										
Cost Elements (Units in Each)					Fiscal Year 2017										Fiscal Year 2018										BALANCE					
O C O #	M F R #	FY	SERVICE	PROC QTY	ACCEPT PRIOR TO 1 OCT 2016	BAL DUE AS OF 1 OCT	Calendar Year 2017										Calendar Year 2018													
							O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	O C T	N O V	D E C	J A N	F E B	M A R		A P R	M A Y	J U N	J U L	A U G
ESB MWO kits																														
Prior Years Deliveries: 9																														
1		2015	ARMY	3	3	-																							-	
BCT MWO kits																														
Prior Years Deliveries: 66																														
2		2015	ARMY	27	27	-																							-	
Division MWO kits																														
Prior Years Deliveries: 8																														
3		2015	ARMY	1	1	-																							-	
ESB NETOPS Kits																														
4		2016	ARMY	2	2	-																							-	
BCT NETOPS kits																														
5		2016	ARMY	30	30	-																							-	
Division NETOPS Kits																														
6		2016	ARMY	2	2	-																							-	
ESB Tech-Mod Kits																														
7		2016	ARMY	2	2	-																							-	
7		2017	ARMY	2	-	2																							-	
BCT Tech-Mod Kits																														
8		2016	ARMY	30	30	-																							-	
8		2017	ARMY	30	-	30																							-	
Division Tech-Mod Kits																														
9		2016	ARMY	2	2	-																							-	
9		2017	ARMY	3	-	3																							-	
Secure Wireless MWO kits																														
10		2015	ARMY	156	104	52	13	13	13	13																			-	
RTCNE																														
✓ 11		2017	ARMY	62	-	62																							-	
							O C T	N O V	D E C	J A N	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

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Exhibit P-21, Production Schedule: PB 2017 Army		Date: February 2016
Appropriation / Budget Activity / Budget Sub Activity: 2035A / 02 / 12		P-1 Line Item Number / Title: BW7100 / WIN-T - Ground Forces Tactical Network
		Item Number / Title [DODIC]: BW7110 / INCREMENT 1 - NETWORKING AT THE HALT

MFR Ref #	Manufacturer Name - Location	Production Rates (Each / Month)			Procurement Leadtime (Months)							
		MSR For 2017	1-8-5 For 2017	MAX For 2017	Initial				Reorder			
					ALT Prior to Oct 1	ALT After Oct 1	Manufacturing PLT	Total After Oct 1	ALT Prior to Oct 1	ALT After Oct 1	Manufacturing PLT	Total After Oct 1
1	ESB MWO Kits - Various	1	10	20	-	4	6	10	-	4	6	10
2	BCT MWO Kits - Various	1	10	20	-	4	6	10	-	4	6	10
3	DIV MWO Kits - Various	1	10	20	-	4	6	10	-	4	6	10
4	ESB NETOPS Kits - GDMS, Taunton, MA	1	10	20	-	4	-	4	-	4	-	4
5	BCT NETOPS Kits - GDMS Taunton, MA	1	10	20	-	4	-	4	-	4	-	4
6	DIV NETOPS Kits - GDMS Taunton, MA	1	10	20	-	4	-	4	-	4	-	4
7	ESB Tech-Mod Kits - GDMS Taunton, MA	1	10	20	-	4	-	4	-	4	-	4
8	BCT Tech-Mod Kits - GDMS Taunton, MA	1	10	20	-	4	-	4	-	4	-	4
9	DIV Tech- Mod Kits - GDMS Taunton, MA	1	10	20	-	4	-	4	-	4	-	4
10	Secure Wireless MWO kits - GDMS Taunton, MA	1	10	20	-	4	-	4	-	4	-	4
11	TBD-RCTNE - TBD	1	10	20	-	4	4	8	-	4	4	8

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

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

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Exhibit P-5, Cost Analysis: PB 2017 Army		Date: February 2016
Appropriation / Budget Activity / Budget Sub Activity: 2035A / 02 / 12		P-1 Line Item Number / Title: BW7100 / WIN-T - Ground Forces Tactical Network
		Item Number / Title [DODIC]: BW7115 / INCREMENT 2 - INITIAL NETWORKING ON THE MOVE

ID Code (A=Service Ready, B=Not Service Ready) :	MDAP/MAIS Code: 349
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Resource Summary	Prior Years	FY 2015	FY 2016	FY 2017 Base	FY 2017 OCO	FY 2017 Total
Procurement Quantity (Units in Each)	6,755	569	847	338	3	341
Gross/Weapon System Cost (\$ in Millions)	2,368.192	361.709	416.463	290.645	1.288	291.933
Less PY Advance Procurement (\$ in Millions)	-	-	-	-	-	-
Net Procurement (P-1) (\$ in Millions)	2,368.192	361.709	416.463	290.645	1.288	291.933
Plus CY Advance Procurement (\$ in Millions)	-	-	-	-	-	-
Total Obligation Authority (\$ in Millions)	2,368.192	361.709	416.463	290.645	1.288	291.933

(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)	350.584	635.692	491.692	859.896	429.333	856.109

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

Cost Elements	Prior Years			FY 2015			FY 2016			FY 2017 Base			FY 2017 OCO			FY 2017 Total		
	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)
Flyaway Cost																		
Recurring Cost																		
TCN (COMM NODE) ^(f)	3,118.000	220	685.960	3,331.182	11	36.643	2,753.261	23	63.325	6,436.667	6	38.620	-	-	-	6,436.667	6	38.620
SNE (COMM NODE) ^(f)	765.984	699	535.423	695.967	214	148.937	711.893	121	86.139	-	-	-	-	-	-	-	-	-
PoP (COMM NODE) ^(f)	1,527.749	203	310.133	1,306.250	20	26.125	1,180.654	26	30.697	2,809.333	6	16.856	-	-	-	2,809.333	6	16.856
NOSC-B	2,904.840	25	72.621	-	-	-	2,905.500	2	5.811	-	-	-	-	-	-	-	-	-
NOSC-D	2,290.533	15	34.358	2,967.500	2	5.935	3,014.000	1	3.014	5,682.500	2	11.365	-	-	-	5,682.500	2	11.365
VWP B-KIT	134.450	262	35.226	194.848	33	6.430	194.525	40	7.781	228.500	4	0.914	54.000	2	0.108	170.333	6	1.022
TR-T	1,120.771	35	39.227	1,508.500	2	3.017	1,656.333	3	4.969	3,220.000	2	6.440	1,180.000	1	1.180	2,540.000	3	7.620
JGN	1,315.938	16	21.055	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MCN-B	77.098	41	3.161	96.500	2	0.193	58.333	3	0.175	110.500	2	0.221	-	-	-	110.500	2	0.221
IP Phone	0.398	3,525	1.404	1.655	200	0.331	1.458	430	0.627	2.759	220	0.607	-	-	-	2.759	220	0.607
IP Phone Secure	1.353	1,503	2.034	5.507	75	0.413	5.646	175	0.988	10.922	90	0.983	-	-	-	10.922	90	0.983
STT+	498.044	205	102.099	533.700	10	5.337	481.478	23	11.074	919.333	6	5.516	-	-	-	919.333	6	5.516
Regional Hub Nodes	1,851.333	6	11.108	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Non-Recurring Engineering	-	-	51.632	-	-	-	-	-	6.200	-	-	-	-	-	-	-	-	-
End of Life	-	-	-	-	-	3.377	-	-	24.773	-	-	72.449	-	-	-	-	-	72.449
Post Deployment Software Support	-	-	51.632	-	-	38.591	-	-	53.920	-	-	54.627	-	-	-	-	-	54.627

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Exhibit P-5, Cost Analysis: PB 2017 Army		Date: February 2016
Appropriation / Budget Activity / Budget Sub Activity: 2035A / 02 / 12	P-1 Line Item Number / Title: BW7100 / WIN-T - Ground Forces Tactical Network	Item Number / Title [DODIC]: BW7115 / INCREMENT 2 - INITIAL NETWORKING ON THE MOVE

ID Code (A=Service Ready, B=Not Service Ready) :	MDAP/MAIS Code: 349
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Note: Subtotals or Totals in this Exhibit P-5 may not be exact or sum exactly due to rounding.

Cost Elements	Prior Years			FY 2015			FY 2016			FY 2017 Base			FY 2017 OCO			FY 2017 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>	-	-	1,957.072	-	-	275.329	-	-	299.493	-	-	208.598	-	-	1.288	-	-	209.886
<i>Subtotal: Flyaway Cost</i>	-	-	1,957.072	-	-	275.329	-	-	299.493	-	-	208.598	-	-	1.288	-	-	209.886
Support - Data Cost																		
Management Data	-	-	-	-	-	3.876	-	-	37.627	-	-	2.708	-	-	-	-	-	2.708
<i>Subtotal: Support - Data Cost</i>	-	-	-	-	-	3.876	-	-	37.627	-	-	2.708	-	-	-	-	-	2.708
Support - Engineering Change Proposals Cost																		
Engineering Change Proposals	-	-	143.036	-	-	21.330	-	-	18.595	-	-	18.015	-	-	-	-	-	18.015
<i>Subtotal: Support - Engineering Change Proposals Cost</i>	-	-	143.036	-	-	21.330	-	-	18.595	-	-	18.015	-	-	-	-	-	18.015
Support - Fielding Cost																		
Fielding	-	-	39.845	-	-	21.009	-	-	26.420	-	-	27.182	-	-	-	-	-	27.182
<i>Subtotal: Support - Fielding Cost</i>	-	-	39.845	-	-	21.009	-	-	26.420	-	-	27.182	-	-	-	-	-	27.182
Support - Program Management Cost																		
Government Management	-	-	81.197	-	-	16.741	-	-	15.134	-	-	15.499	-	-	-	-	-	15.499
<i>Subtotal: Support - Program Management Cost</i>	-	-	81.197	-	-	16.741	-	-	15.134	-	-	15.499	-	-	-	-	-	15.499
Support - System Test and Evaluation Cost																		
Operational Test and Evaluation	-	-	95.026	-	-	17.017	-	-	13.785	-	-	10.525	-	-	-	-	-	10.525
<i>Subtotal: Support - System Test and Evaluation Cost</i>	-	-	95.026	-	-	17.017	-	-	13.785	-	-	10.525	-	-	-	-	-	10.525
Support - Training Cost																		
Services	-	-	52.016	-	-	6.407	-	-	5.409	-	-	8.118	-	-	-	-	-	8.118
<i>Subtotal: Support - Training Cost</i>	-	-	52.016	-	-	6.407	-	-	5.409	-	-	8.118	-	-	-	-	-	8.118
Gross/Weapon System Cost	350.584	6,755	2,368.192	635.692	569	361.709	491.692	847	416.463	859.896	338	290.645	429.333	3	1.288	856.109	341	291.933

Secondary Distribution		FY 2015	FY 2016	FY 2017 Base	FY 2017 OCO	FY 2017 Total
Army	Quantity	569	259	169	3	172
	Total Obligation Authority	361.709	108.774	144.759	1.288	146.047

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Exhibit P-5, Cost Analysis: PB 2017 Army		Date: February 2016
Appropriation / Budget Activity / Budget Sub Activity: 2035A / 02 / 12	P-1 Line Item Number / Title: BW7100 / WIN-T - Ground Forces Tactical Network	Item Number / Title [DODIC]: BW7115 / INCREMENT 2 - INITIAL NETWORKING ON THE MOVE

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

Secondary Distribution		FY 2015	FY 2016	FY 2017 Base	FY 2017 OCO	FY 2017 Total
ANG	Quantity	-	588	169	-	169
	Total Obligation Authority	-	307.689	145.886	-	145.886
Total:	Quantity	569	847	338	3	341
Secondary Distribution	Total Obligation Authority	361.709	416.463	290.645	1.288	291.933

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

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Exhibit P-5a, Procurement History and Planning: PB 2017 Army							Date: February 2016					
Appropriation / Budget Activity / Budget Sub Activity: 2035A / 02 / 12			P-1 Line Item Number / Title: BW7100 / WIN-T - Ground Forces Tactical Network				Item Number / Title [DODIC]: BW7115 / INCREMENT 2 - INITIAL NETWORKING ON THE MOVE					

Cost Elements	O C O	FY	Contractor and Location	Method/Type or Funding Vehicle	Location of PCO	Award Date	Date of First Delivery	Qty (Each)	Unit Cost (\$ K)	Specs Avail Now?	Date Revision Available	RFP Issue Date
TCN (COMM NODE) ^(†)		2015	General Dynamics C4 Systems / Taunton MA	SS / IDIQ	Aberdeen Proving Ground, MD	Mar 2015	Nov 2016	11	3,331.182			
TCN (COMM NODE) ^(†)		2016	General Dynamics C4 Systems / Taunton MA	SS / IDIQ	Aberdeen Proving Ground, MD	Feb 2016	Apr 2017	23	2,753.261			
TCN (COMM NODE) ^(†)		2017	General Dynamics C4 Systems / Taunton MA	SS / IDIQ	Aberdeen Proving Ground, MD	Feb 2017	Aug 2018	6	6,436.667			
SNE (COMM NODE) ^(†)		2015	General Dynamics C4 Systems / Taunton MA	SS / IDIQ	Aberdeen Proving Ground, MD	Mar 2015	Jun 2016	214	695.967			
SNE (COMM NODE) ^(†)		2016	General Dynamics C4 Systems / Taunton MA	SS / IDIQ	Aberdeen Proving Ground, MD	Feb 2016	Apr 2017	121	711.893			
PoP (COMM NODE) ^(†)		2015	General Dynamics C4 Systems / Taunton MA	SS / IDIQ	Aberdeen Proving Ground, MD	Mar 2015	Aug 2016	20	1,306.250			
PoP (COMM NODE) ^(†)		2016	General Dynamics C4 Systems / Taunton MA	SS / IDIQ	Aberdeen Proving Ground, MD	Feb 2016	Aug 2017	26	1,180.654			
PoP (COMM NODE) ^(†)		2017	General Dynamics C4 Systems / Taunton MA	SS / IDIQ	Aberdeen Proving Ground, MD	Feb 2017	Aug 2018	6	2,809.333			

^(†) indicates the presence of a P-21

Remarks:

Procurement of Lot 4 SNEs and Lot 5 Hardware was deferred until FRP authorization 11 May 2015. Contract awarded 15 Jun 15. Lot 4 SNEs are included in Prior Year Quantity count as an FY13 OPA-funded procurement.

1. From FY09-FY14 - 19 BCTs and 6 DIV HQ were procured, along with 5 Fixed Regional Hubs and 2 Training Bases; 12 BCTs and 4 DIV HQ along with 1 Training Base were fielded.
2. In FY15 - 1 DIV HQ, 6 IBCT Eng Co and Mvr Bn and 3 SBCT Eng Co were procured; and 2 BCTs, 2 DIV HQ, 4 Regional Hub Nodes, 1 Training Base, 3 IBCT Eng Co and Mvr Bn and 1 SBCT Eng Co will be fielded.
3. In FY16 - 1 DIV HQs, 2 BCTs, 4 IBCT Co Eng and Mvr Bn, and 1 SBCT Eng Co will be procured. 1 DIV HQ, 1 Regional Hub Node, 3 IBCT Eng Co and Mvr Bn will be fielded.
4. In FY17 - 2 DIV HQs will be procured. 1 DIV HQs, 3 BCTs, 4 IBCT Eng Co and Mvr Bn and 1 SBCT Eng Co will be fielded.

*18 month cycle from Procurement to Delivery

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Exhibit P-21, Production Schedule: PB 2017 Army															Date: February 2016														
Appropriation / Budget Activity / Budget Sub Activity: 2035A / 02 / 12										P-1 Line Item Number / Title: BW7100 / WIN-T - Ground Forces Tactical Network										Item Number / Title [DODIC]: BW7115 / INCREMENT 2 - INITIAL NETWORKING ON THE MOVE									

Cost Elements <i>(Units in Each)</i>					Fiscal Year 2019													Fiscal Year 2020													BALANCE		
O C O #	M F R #	FY	SERVICE	PROC QTY	ACCEPT PRIOR TO 1 OCT 2018	BAL DUE AS OF 1 OCT	Calendar Year 2019													Calendar Year 2020													
							O C T	N O V	D E C	J A N	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			
TCN (COMM NODE)																																	
Prior Years Deliveries: 220																																	
1		2015	ARMY	11	11	-																							-				
1		2016	ARMY	23	23	-																							-				
1		2017	ARMY	6	2	4	1	1	1	1																		-					
SNE (COMM NODE)																																	
Prior Years Deliveries: 699																																	
2		2015	ARMY	214	214	-																						-					
2		2016	ARMY	121	121	-																						-					
PoP (COMM NODE)																																	
Prior Years Deliveries: 203																																	
3		2015	ARMY	20	20	-																						-					
3		2016	ARMY	26	26	-																						-					
3		2017	ARMY	6	2	4	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			

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Exhibit P-21, Production Schedule: PB 2017 Army		Date: February 2016
Appropriation / Budget Activity / Budget Sub Activity: 2035A / 02 / 12		P-1 Line Item Number / Title: BW7100 / WIN-T - Ground Forces Tactical Network
		Item Number / Title [DODIC]: BW7115 / INCREMENT 2 - INITIAL NETWORKING ON THE MOVE

MFR Ref #	Manufacturer Name - Location	Production Rates (Each / Month)			Procurement Leadtime (Months)							
		MSR For 2017	1-8-5 For 2017	MAX For 2017	Initial				Reorder			
					ALT Prior to Oct 1	ALT After Oct 1	Manufacturing PLT	Total After Oct 1	ALT Prior to Oct 1	ALT After Oct 1	Manufacturing PLT	Total After Oct 1
1	General Dynamics C4 Systems - Taunton MA	1	69	123	-	5	13	18	-	5	13	18
2	General Dynamics C4 Systems - Taunton MA	1	69	123	-	5	13	18	-	5	13	18
3	General Dynamics C4 Systems - Taunton MA	1	69	123	-	5	13	18	-	5	13	18

"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 2017 Army		Date: February 2016
Appropriation / Budget Activity / Budget Sub Activity: 2035A / 02 / 12		P-1 Line Item Number / Title: BW7100 / WIN-T - Ground Forces Tactical Network
		Item Number / Title [DODIC]: BW7130 / WIN-T - ACUS MODS

ID Code (A=Service Ready, B=Not Service Ready) :	MDAP/MAIS Code:
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Resource Summary	Prior Years	FY 2015	FY 2016	FY 2017 Base	FY 2017 OCO	FY 2017 Total
Procurement Quantity (Units in Each)	985	619	372	283	-	283
Gross/Weapon System Cost (\$ in Millions)	602.785	38.047	78.216	27.386	-	27.386
Less PY Advance Procurement (\$ in Millions)	-	-	-	-	-	-
Net Procurement (P-1) (\$ in Millions)	602.785	38.047	78.216	27.386	-	27.386
Plus CY Advance Procurement (\$ in Millions)	-	-	-	-	-	-
Total Obligation Authority (\$ in Millions)	602.785	38.047	78.216	27.386	-	27.386

(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)	611.964	61.465	210.258	96.770	-	96.770

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

Cost Elements	Prior Years			FY 2015			FY 2016			FY 2017 Base			FY 2017 OCO			FY 2017 Total		
	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)
Flyaway Cost																		
Recurring Cost																		
AN/TRC-190 (HCLOS) ^(†)	64.580	797	51.471	65.590	204	13.380	-	-	-	-	-	-	-	-	-	-	-	-
TNMS ^(†)	159.010	188	29.894	44.660	132	5.895	45.900	89	4.085	-	-	-	-	-	-	-	-	-
BVTC III ^(†)	-	-	-	39.000	283	11.037	39.780	283	11.258	40.580	283	11.483	-	-	-	40.580	283	11.483
SSS Tech Refresh/1b	-	-	-	-	-	0.700	-	-	13.974	-	-	0.402	-	-	-	-	-	0.402
Other Hardware (CHS item & requisitions)	-	-	167.581	-	-	1.096	-	-	13.359	-	-	1.019	-	-	-	-	-	1.019
Software	-	-	20.646	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Total Package Fielding	-	-	98.134	-	-	0.897	-	-	11.774	-	-	1.880	-	-	-	-	-	1.880
Logistics	-	-	89.291	-	-	0.857	-	-	6.768	-	-	1.730	-	-	-	-	-	1.730
Engineering and Integration	-	-	117.450	-	-	1.397	-	-	8.018	-	-	3.406	-	-	-	-	-	3.406
Testing (Unit Validation&Certification)	-	-	9.973	-	-	0.135	-	-	1.158	-	-	1.017	-	-	-	-	-	1.017
Subtotal: Recurring Cost	-	-	584.439	-	-	35.394	-	-	70.394	-	-	20.938	-	-	-	-	-	20.938
Subtotal: Flyaway Cost	-	-	584.439	-	-	35.394	-	-	70.394	-	-	20.938	-	-	-	-	-	20.938
Support - Program Management Cost																		
Government Management	-	-	8.440	-	-	1.220	-	-	3.598	-	-	2.966	-	-	-	-	-	2.966
Contractor Management	-	-	9.906	-	-	1.432	-	-	4.224	-	-	3.482	-	-	-	-	-	3.482

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Exhibit P-5, Cost Analysis: PB 2017 Army												Date: February 2016					
Appropriation / Budget Activity / Budget Sub Activity: 2035A / 02 / 12						P-1 Line Item Number / Title: BW7100 / WIN-T - Ground Forces Tactical Network						Item Number / Title [DODIC]: BW7130 / WIN-T - ACUS MODS					
ID Code (A=Service Ready, B=Not Service Ready) :												MDAP/MAIS Code:					

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

Cost Elements	Prior Years			FY 2015			FY 2016			FY 2017 Base			FY 2017 OCO			FY 2017 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 - Program Management Cost</i>	-	-	18.346	-	-	2.652	-	-	7.822	-	-	6.448	-	-	-	-	-	6.448
Gross/Weapon System Cost	611.964	985	602.785	61.465	619	38.047	210.258	372	78.216	96.770	283	27.386	-	-	96.770	283	27.386	

Secondary Distribution		FY 2015	FY 2016	FY 2017 Base	FY 2017 OCO	FY 2017 Total
Army	Quantity	266	201	153	-	153
	Total Obligation Authority	16.360	43.056	18.106	-	18.106
ANG	Quantity	208	156	119	-	119
	Total Obligation Authority	12.935	31.980	5.800	-	5.800
AR	Quantity	145	15	11	-	11
	Total Obligation Authority	8.752	3.180	3.480	-	3.480
Total: Secondary Distribution	Quantity	619	372	283	-	283
	Total Obligation Authority	38.047	78.216	27.386	-	27.386

(†) indicates the presence of a P-5a

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Exhibit P-5a, Procurement History and Planning: PB 2017 Army **Date:** February 2016

Appropriation / Budget Activity / Budget Sub Activity: 2035A / 02 / 12	P-1 Line Item Number / Title: BW7100 / WIN-T - Ground Forces Tactical Network	Item Number / Title [DODIC]: BW7130 / WIN-T - ACUS MODS
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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/TRC-190 (HCLOS) ^(†)		2015	Ultra Electronics(TRC-190) / Montreal, Canada	C / FFP	Aberdeen Proving Ground, MD	Jan 2015	Jul 2015	204	65.590			
TNMS ^(†)		2015	GDMS-TNMS / Taunton, MA	C / FFP	Aberdeen Proving Ground, MD	Jan 2015	Jul 2015	132	44.660			
TNMS ^(†)		2016	GDMS-TNMS / Taunton, MA	C / FFP	Aberdeen Proving Ground, MD	Jan 2016	Jul 2016	89	45.900			
BVTC III ^(†)		2015	GDMS-BVTC / Taunton, MA	C / FFP	Aberdeen Proving Ground, MD	Jul 2015	Jan 2016	283	39.000			
BVTC III ^(†)		2016	GDMS-BVTC / Taunton, MA	C / FFP	Aberdeen Proving Ground, MD	Jan 2016	Jul 2016	283	39.780			
BVTC III ^(†)		2017	GDMS-BVTC / Taunton, MA	C / FFP	Aberdeen Proving Ground, MD	Jan 2017	Jul 2017	283	40.580			

^(†) indicates the presence of a P-21

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Exhibit P-21, Production Schedule: PB 2017 Army **Date:** February 2016

Appropriation / Budget Activity / Budget Sub Activity: 2035A / 02 / 12	P-1 Line Item Number / Title: BW7100 / WIN-T - Ground Forces Tactical Network	Item Number / Title [DODIC]: BW7130 / WIN-T - ACUS MODS
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Cost Elements <i>(Units in Each)</i>						Fiscal Year 2015												Fiscal Year 2016												BALANCE	
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
AN/TRC-190 (HCLOS)																															
Prior Years Deliveries: 797																															
	1	2015	ARMY	204	-	204																									
TNMS																															
Prior Years Deliveries: 188																															
	2	2015	ARMY	132	-	132																									
	2	2016	ARMY	89	-	89																									
BVTC III																															
	3	2015	ARMY	283	-	283																									
	3	2016	ARMY	283	-	283																									
	3	2017	ARMY	283	-	283																									
							O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	

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Exhibit P-21, Production Schedule: PB 2017 Army **Date:** February 2016

Appropriation / Budget Activity / Budget Sub Activity: 2035A / 02 / 12	P-1 Line Item Number / Title: BW7100 / WIN-T - Ground Forces Tactical Network	Item Number / Title [DODIC]: BW7130 / WIN-T - ACUS MODS
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Cost Elements <i>(Units in Each)</i>						Fiscal Year 2017												Fiscal Year 2018												B A L A N C E	
O C C O	M F R #	FY	SERVICE	PROC QTY	ACCEPT PRIOR TO 1 OCT 2016	BAL DUE AS OF 1 OCT	Calendar Year 2017												Calendar Year 2018												
							O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G		S E P
AN/TRC-190 (HCLoS)																															
Prior Years Deliveries: 797																															
	1	2015	ARMY	204	204	-																							-		
TNMS																															
Prior Years Deliveries: 188																															
	2	2015	ARMY	132	132	-																							-		
	2	2016	ARMY	89	60	29	15	14																					-		
BVTC III																															
	3	2015	ARMY	283	216	67	24	24	19																				-		
	3	2016	ARMY	283	71	212	24	24	24	24	24	24	24	20															-		
	3	2017	ARMY	283	-	283				A	-	-	-	-	-	-	23	24	24	24	24	24	24	24	24	24	24	20		-	
							O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	

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Exhibit P-21, Production Schedule: PB 2017 Army	Date: February 2016
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Appropriation / Budget Activity / Budget Sub Activity: 2035A / 02 / 12	P-1 Line Item Number / Title: BW7100 / WIN-T - Ground Forces Tactical Network	Item Number / Title [DODIC]: BW7130 / WIN-T - ACUS MODS
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MFR Ref #	Manufacturer Name - Location	Production Rates (Each / Month)			Procurement Leadtime (Months)							
		MSR For 2017	1-8-5 For 2017	MAX For 2017	Initial				Reorder			
					ALT Prior to Oct 1	ALT After Oct 1	Manufacturing PLT	Total After Oct 1	ALT Prior to Oct 1	ALT After Oct 1	Manufacturing PLT	Total After Oct 1
1	Ultra Electronics(TRC-190) - Montreal, Canada	1	10	80	-	3	3	6	-	3	3	6
2	GDMS-TNMS - Taunton, MA	1	15	30	-	3	3	6	-	-	-	-
3	GDMS-BVTC - Taunton, MA	1	15	30	-	3	3	6	-	-	-	-

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

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

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