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Exhibit R-2, RDT&E Budget Item Justification: PB 2015 Army										Date: March 2014		
Appropriation/Budget Activity 2040: Research, Development, Test & Evaluation, Army I BA 7: Operational Systems Development					R-1 Program Element (Number/Name) PE 0300349A I Win-T Increment 2 - Initial Networking							
COST (\$ in Millions)	Prior Years	FY 2013	FY 2014	FY 2015 Base	FY 2015 OCO #	FY 2015 Total	FY 2016	FY 2017	FY 2018	FY 2019	Cost To Complete	Total Cost
Total Program Element	-	-	-	3.249	-	3.249	18.209	-	-	-	-	21.458
EE7: WIN-T Increment 2 - Initial Networking	-	-	-	3.249	-	3.249	18.209	-	-	-	-	21.458

The FY 2015 OCO Request will be submitted at a later date.

A. Mission Description and Budget Item Justification

Warfighter Information Network (WIN-T) Increment (Inc) 2 provides the Army with On-The-Move (OTM) networking capability. The Inc 2 network retains capabilities delivered by WIN-T Inc 1 and by leveraging proven government and commercial technologies, adds greater network throughput and automated Network Management to optimize planning (to include spectrum use), initialization, monitoring and troubleshooting. WIN-T Inc 2 employs Satellite Communications (SATCOM) OTM to extend the network in maneuver Brigade Combat Teams (BCTs) to Company level for the first time. Using equipment mounted on combat platforms, WIN-T Increment 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 (HNR), with the Highband Networking Waveform (HNW) and high performance antennas, the WIN-T Inc 2 Line-of-Sight (LoS) 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 adopts "Colorless Core" technology that encrypts both classified and unclassified user information in the network and minimizes the number of users on the "core" of the network. The Colorless Core allows commanders to utilize the tactical network without fear of the enemy intercepting information. Colorless Core is a technical insertion in the WIN-T Inc 1b network which enables efficient information sharing between Inc 1b and Inc 2.

WIN-T Inc 3 mature Network Operations (NetOps) technologies will be inserted into Increment 2 units.

FY 15 RDT&E funds Follow-On Operational Test and Evaluation at Network Integration Evaluation (NIE) 15.1 in the first quarter of FY 2015.

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Exhibit R-2, RDT&E Budget Item Justification: PB 2015 Army				Date: March 2014	
Appropriation/Budget Activity		R-1 Program Element (Number/Name)			
2040: Research, Development, Test & Evaluation, Army / BA 7: Operational Systems Development		PE 0300349A / Win-T Increment 2 - Initial Networking			
B. Program Change Summary (\$ in Millions)	FY 2013	FY 2014	FY 2015 Base	FY 2015 OCO	FY 2015 Total
Previous President's Budget	-	-	-	-	-
Current President's Budget	-	-	3.249	-	3.249
Total Adjustments	-	-	3.249	-	3.249
• Congressional General Reductions	-	-			
• Congressional Directed Reductions	-	-			
• Congressional Rescissions	-	-			
• Congressional Adds	-	-			
• Congressional Directed Transfers	-	-			
• Reprogrammings	-	-			
• SBIR/STTR Transfer	-	-			
• Other Adjustments 1	-	-	3.249	-	3.249

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Exhibit R-2A, RDT&E Project Justification: PB 2015 Army										Date: March 2014		
Appropriation/Budget Activity 2040 / 7					R-1 Program Element (Number/Name) PE 0300349A / Win-T Increment 2 - Initial Networking				Project (Number/Name) EE7 / WIN-T Increment 2 - Initial Networking			
COST (\$ in Millions)	Prior Years	FY 2013	FY 2014	FY 2015 Base	FY 2015 OCO #	FY 2015 Total	FY 2016	FY 2017	FY 2018	FY 2019	Cost To Complete	Total Cost
EE7: WIN-T Increment 2 - Initial Networking	-	-	-	3.249	-	3.249	18.209	-	-	-	-	21.458
Quantity of RDT&E Articles	-	-	-	-	-	-	-	-	-	-		

The FY 2015 OCO Request will be submitted at a later date.

Note

This is not a New Start. This program is a realignment of an effort previously funded under Program Element (PE) 0603782A Project 367 through FY 2014. Effective FY 2015, program is properly funded in BA 07, reflecting program's efforts in support of operational systems development.

*** NOTE: OSD PE shown above is incorrect. Correct OSD PE is as shown in the R-1, 0310349A. This will be corrected in the system as soon as possible.

A. Mission Description and Budget Item Justification

Warfighter Information Network (WIN-T) Increment (Inc) 2 provides the Army with On-The-Move (OTM) networking capability. The Inc 2 network retains capabilities delivered by WIN-T Inc 1 and by leveraging proven government and commercial technologies, adds greater network throughput and automated Network Management to optimize planning (to include spectrum use), initialization, monitoring and troubleshooting. WIN-T Inc 2 employs Satellite Communications (SATCOM) OTM to extend the network in maneuver Brigade Combat Teams (BCTs) to Company level for the first time. Using equipment mounted on combat platforms, WIN-T Increment 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 (HNR), with the Highband Networking Waveform (HNW) and high performance antennas, the WIN-T Inc 2 Line-of-Sight (LoS) 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 adopts "Colorless Core" technology that encrypts both classified and unclassified user information in the network and minimizes the number of users on the "core" of the network. The Colorless Core allows commanders to utilize the tactical network without fear of the enemy intercepting information. Colorless Core is a technical insertion in the WIN-T Inc 1b network which enables efficient information sharing between Inc 1b and Inc 2.

WIN-T Inc 3 mature Network Operations (NetOps) technologies will be inserted into Increment 2 units.

FY 15 RDT&E funds Follow-On Operational Test and Evaluation at Network Integration Evaluation (NIE) 15.1 in 1st Quarter Fiscal Year 2015 (1QFY15).

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Appropriation/Budget Activity 2040 / 7	R-1 Program Element (Number/Name) PE 0300349A / <i>Win-T Increment 2 - Initial Networking</i>	Project (Number/Name) EE7 / <i>WIN-T Increment 2 - Initial Networking</i>	

B. Accomplishments/Planned Programs (\$ in Millions)	FY 2013	FY 2014	FY 2015
Title: Test and Evaluation	-	-	3.249
Description: Test and Evaluation			
FY 2015 Plans: NIE 15.1 (FOT&E 2)			
Accomplishments/Planned Programs Subtotals	-	-	3.249

C. Other Program Funding Summary (\$ in Millions)

Line Item	FY 2013	FY 2014	FY 2015 Base	FY 2015 OCO	FY 2015 Total	FY 2016	FY 2017	FY 2018	FY 2019	Cost To Complete	Total Cost
• WIN-T Inc 2: <i>WIN-T Inc 2 Procurement</i>	-	-	460.709	-	460.709	632.615	616.100	645.400	265.009	-	2,619.833
• Inc 2 Spares: <i>WIN-T Inc 2 Procurement Spares</i>	54.792	2.365	40.100	-	40.100	39.865	41.372	50.750	96.919	-	326.163
• PE 0603782A/367 RDTE: <i>Research, Development, Test and Evaluation (RDTE) PE 643782/367</i>	2.706	1.100	-	-	-	-	-	-	-	-	3.806

Remarks

D. Acquisition Strategy

The Defense Acquisition Executive (DAE), through the Nunn-McCurdy certification process, certified a restructured WIN-T program on June 5, 2007. The certification Acquisition Decision Memorandum (ADM) stated that the Army will restructure the WIN-T Major Defense Acquisition Program (MDAP) to absorb the former Joint Network Node (JNN) Network program. It further stated that the restructured program will consist of four Increments: Incs 1, 2, 3, and 4.

The Acquisition Decision Memorandum of September 27, 2013 authorized the procurement of 98 additional communications nodes for Low Rate Initial Production (LRIP), bringing the total LRIP quantity to 1030 communications nodes. The Program Manager (PM) procured the authorized quantities on the current initial production contract (W15P7T-10-D-C007). This contract was awarded in 2010 as a three year contract with three option years. Lots 1, 2, 3 and 4 of the LRIP contract have been procured, and Lot 5 is anticipated to be awarded in March 2014.

Inc 2 provides the Army with On-The-Move (OTM) networking capability. Inc 3 NetOps will be technically inserted into Inc 2 and these inserts will be tested in subsequent Network Integration Evaluation (NIE) events.

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E. Performance Metrics
N/A

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Exhibit R-3, RDT&E Project Cost Analysis: PB 2015 Army												Date: March 2014			
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Test and Evaluation (\$ in Millions)				FY 2013		FY 2014		FY 2015 Base		FY 2015 OCO		FY 2015 Total				
Cost Category Item	Contract Method & Type	Performing Activity & Location	Prior Years	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Cost To Complete	Total Cost	Target Value of Contract	
Test	C/TBD	Various : Various	0.000	-		-		3.249		-		3.249	-	3.249	-	
Subtotal			0.000	-		-		3.249		-		3.249	-	3.249	-	

Remarks
 This is not a New Start. This program is a realignment of an effort previously funded under Program Element (PE) 0603782A Project 367 through FY 2014. Effective FY 2015, program is properly funded in BA 07, reflecting program's efforts in support of operational systems development.

	Prior Years	FY 2013		FY 2014		FY 2015 Base		FY 2015 OCO		FY 2015 Total	Cost To Complete	Total Cost	Target Value of Contract
Project Cost Totals	0.000	-		-		3.249		-		3.249	-	3.249	-

Remarks

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Exhibit R-4, RDT&E Schedule Profile: PB 2015 Army

Date: March 2014

Appropriation/Budget Activity

2040 / 7

R-1 Program Element (Number/Name)

PE 0300349A / Win-T Increment 2 - Initial Networking

Project (Number/Name)

EE7 / WIN-T Increment 2 - Initial Networking

	FY 2013				FY 2014				FY 2015				FY 2016				FY 2017				FY 2018				FY 2019			
	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4
LRIP Production																												
First Unit Equipped																												
Follow One Test and Evaluation 1																												
Initial Operating Capacity																												
Defense Acquisition Board																												
Delivery Order 4 Award																												
Network Integrated Evaluation 14.1																												
Developmental Test 1																												
Delivery Order 5 Award																												
Network Integrated Evaluation 14.2																												
Developmental Test 2																												
Army Material Release																												
Network Integrated Evaluation 15.1 (FOTE 2)																												
Follow-On Production Contract Delivery Order 1 Award																												
Full Rate Production Decision Review																												
Follow-On Delivery Order 2 Award																												
Full Rate Production/Fielding																												
Follow-On Delivery Order 3 Award																												
Follow-On Delivery Order 4 Award																												
Second Follow-On Contract Award																												
Second Follow-On Delivery Order 1 Award																												
Second Follow-On Delivery Order 2 Award																												

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Exhibit R-4A, RDT&E Schedule Details: PB 2015 Army			Date: March 2014
Appropriation/Budget Activity 2040 / 7	R-1 Program Element (Number/Name) PE 0300349A / Win-T Increment 2 - Initial Networking	Project (Number/Name) EE7 / WIN-T Increment 2 - Initial Networking	

Schedule Details

Events	Start		End	
	Quarter	Year	Quarter	Year
LRIP Production	2	2010	4	2014
First Unit Equipped	1	2013	1	2013
Follow One Test and Evaluation 1	3	2013	3	2013
Initial Operating Capacity	4	2013	4	2013
Defense Acquisition Board	4	2013	4	2013
Delivery Order 4 Award	4	2013	4	2013
Network Integrated Evaluation 14.1	1	2014	1	2014
Developmental Test 1	2	2014	2	2014
Delivery Order 5 Award	2	2014	2	2014
Network Integrated Evaluation 14.2	3	2014	3	2014
Developmental Test 2	3	2014	3	2014
Army Material Release	3	2014	3	2014
Network Integrated Evaluation 15.1 (FOTE 2)	1	2015	1	2015
Follow-On Production Contract Delivery Order 1 Award	3	2015	3	2015
Full Rate Production Decision Review	3	2015	3	2015
Follow-On Delivery Order 2 Award	3	2015	3	2015
Full Rate Production/Fielding	3	2015	4	2020
Follow-On Delivery Order 3 Award	1	2016	1	2016
Follow-On Delivery Order 4 Award	1	2017	1	2017
Second Follow-On Contract Award	1	2018	1	2018
Second Follow-On Delivery Order 1 Award	1	2018	1	2018
Second Follow-On Delivery Order 2 Award	1	2019	1	2019