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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 / BA 5: System Development & Demonstration (SDD)					R-1 Program Element (Number/Name) PE 0605350A / WIN-T Increment 3 - Full 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	-	-	-	113.210	-	113.210	39.700	9.000	-	-	-	161.910
EE8: WIN-T Increment 3 - Full Networking	-	-	-	113.210	-	113.210	39.700	9.000	-	-	-	161.910
# The FY 2015 OCO Request will be submitted at a later date.												
Note PE 0605350/EE8 was formerly 0603782/372 in FY 2014 and prior. FY 2015 request in the 2014 President's Budget was \$325.6 million. The Warfighter Information Network – Tactical (WIN-T) Increment (Inc) 3 program has been de-scoped to a software-only program due to FY 2015-19 budgetary pressure.												
A. Mission Description and Budget Item Justification The Warfighter Information Network – Tactical (WIN-T) Increment (Inc) 3 program has been de-scoped to a software-only program due to FY 2015-19 budgetary pressure. WIN-T Inc 3 develops the Network Operations (NetOps) software to meet the Army's Network Convergence goals. NetOps provides the monitoring, control and planning tools to ensure management of the voice, data and internet transport networks. The NetOps software will also provide Information Assurance and Network Centric Enterprise Services. This allows for seamless integration of the tactical network planning, management, monitoring, and defense for the Signal staff. These NetOps improvements simplify the management of the network and increase the automation of tools and reporting. The developed NetOps software enhancements will be provided as a technical insertion to WIN-T Incs 1 and 2. Inc 3 also develops the enhanced Net Centric Waveform (NCW) version 10.x for increased throughput capability beyond the line of sight satellite communication and the Highband Networking Waveform (HNW) version 3.0 for line of sight communications. NCW version 10.x testing will support Army Strategic Command certification of the waveform for use on Wideband Global Satellites and subsequent insertion into WIN-T Inc 1 and Inc 2. HNW version 3.0 will be delivered to the Joint Tactical Networking Center Information Repository for commercial development application. Both NCW and HNW provide improved network capacity and robustness. FY 2015 continues funding the the Engineering and Manufacturing Development (EMD) phase of the program, as well as preparing for the NetOps Technology Insertions into WIN-T Incs 1 and 2. Funds development of NetOps Build 4/5 and Developmental Test. Key Technology Insertions are associated with Full NetOps.												

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Appropriation/Budget Activity 2040: Research, Development, Test & Evaluation, Army / BA 5: System Development & Demonstration (SDD)		R-1 Program Element (Number/Name) PE 0605350A / WIN-T Increment 3 - Full 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	-	-	113.210	-	113.210
Total Adjustments	-	-	113.210	-	113.210
• Congressional General Reductions	-	-			
• Congressional Directed Reductions	-	-			
• Congressional Rescissions	-	-			
• Congressional Adds	-	-			
• Congressional Directed Transfers	-	-			
• Reprogrammings	-	-			
• SBIR/STTR Transfer	-	-			
• Other Adjustments 1	-	-	113.210	-	113.210

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Appropriation/Budget Activity 2040 / 5					R-1 Program Element (Number/Name) PE 0605350A / WIN-T Increment 3 - Full Networking				Project (Number/Name) EE8 / WIN-T Increment 3 - Full 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
EE8: WIN-T Increment 3 - Full Networking	-	-	-	113.210	-	113.210	39.700	9.000	-	-	-	161.910
Quantity of RDT&E Articles	-	-	-	-	-	-	-	-	-	-		
# The FY 2015 OCO Request will be submitted at a later date.												
Note												
This program is not a new start in FY15. This effort is funded under PE 0603782 Project 372 through FY14. It is funded under PE 0605350 Project EE8 in FY15 and out.												
A. Mission Description and Budget Item Justification												
The Warfighter Information Network – Tactical (WIN-T) Increment (Inc) 3 program has been de-scoped to a software-only program due to FY 2015-19 budgetary pressure. WIN-T Inc 3 develops the Network Operations (NetOps) software to meet the Army's Network Convergence goals. NetOps provides the monitoring, control and planning tools to ensure management of the voice, data and internet transport networks. The NetOps software will also provide Information Assurance and Network Centric Enterprise Services. This allows for seamless integration of the tactical network planning, management, monitoring, and defense for the Signal staff. These NetOps improvements simplify the management of the network and increase the automation of tools and reporting. The developed NetOps software enhancements will be provided as a technical insertion to WIN-T Incs 1 and 2.												
Inc 3 also develops the enhanced Net Centric Waveform (NCW) version 10.x for increased throughput capability beyond the line of sight satellite communication and the Highband Networking Waveform (HNW) version 3.0 for line of sight communications. NCW version 10.x testing will support Army Strategic Command certification of the waveform for use on Wideband Global Satellites and subsequent insertion into WIN-T Inc 1 and Inc 2. HNW version 3.0 will be delivered to the Joint Tactical Networking Center Information Repository. Both NCW and HNW provide improved network capacity and robustness.												
FY 2015 continues funding the the EMD phase of the program, as well as preparing for the Technology Insertions into WIN-T Incs 1 and 2. Funds development of NetOps Build 4/5 and Developmental Test. Key Technology Insertions are associated with Full NetOps.												
B. Accomplishments/Planned Programs (\$ in Millions)									FY 2013	FY 2014	FY 2015	
Title: Product Development									-	-	89.149	
Description: Increment 3 Engineering Manufacturing Development (EMD) continues development of Inc 3 system software development, prototype manufacturing of test assets for the Inc 3 system.												
FY 2015 Plans:												
Continues development of NetOps software Build 4/5, completes the Highband Networking Waveform version 3.0 development and Net Centric Waveform version 10.x certification. Manufacture the NetOps and Waveform specific hardware for test assets.												

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Appropriation/Budget Activity 2040 / 5			R-1 Program Element (Number/Name) PE 0605350A / WIN-T Increment 3 - Full Networking			Project (Number/Name) EE8 / WIN-T Increment 3 - Full Networking					
B. Accomplishments/Planned Programs (\$ in Millions)								FY 2013	FY 2014	FY 2015	
This will start the integration efforts of HNW 3.0 on limited surrogate ground and air platforms in order to conduct an over the air demonstration of HNW 3.0 capability.											
Title: Support Services								-	-	2.775	
Description: Technical Engineering Services and Research Studies											
FY 2015 Plans: Technical Engineering Services and Research Studies											
Title: Test and Engineering								-	-	9.874	
Description: Test and Evaluation											
FY 2015 Plans: Build 4/5 Developmental Test. Complete the HNW 3.0 Functional Qualification Test and NCW 10.x upgrade integration test.											
Title: Management Services								-	-	11.412	
Description: Provides System Engineering and Program Management Support.											
FY 2015 Plans: Provides System Engineering and Program Management Support.											
Accomplishments/Planned Programs Subtotals								-	-	113.210	
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 3: Procurement	-	-	-	-	-	-	61.692	534.323	551.511	-	1,147.526
• Inc 3 RDTE: RDTE PE 0603782/372	158.799	121.219	-	-	-	-	-	-	-	-	280.018
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.											

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An evolutionary acquisition strategy is being utilized to provide for the timely insertion of new technologies into Army communication systems by adhering to the basic principles of the DoD Modular Open Systems Approach (MOSA). This allows the Army to keep pace with changing commercial technology and maintain required interoperability with other joint, strategic and commercial standards-based networks. Applying integrated Network Operations (NetOps) capability, WIN-T provides the capability to manage, prioritize, and protect information. It ensures NetOps commonality with Joint, Allied, Coalition, Current Force, and Commercial voice and data networks. The program is presently in its Engineering, Manufacturing, and Development (EMD) phase, as WIN-T Inc 3 technology is being tested and released over time and will be inserted into WIN-T Increment 1 and Increment 2. ADM issued June 24 2013 required: Delay of follow on contract award until Key Performance Parameters (KPP) and Key System Attributes (KSA) are approved and traced to contract specifications. KPP memo signed August 13 2013 (JROCM 143-13) KSAs approved via Army memo August 22 2013 June 25 2013: Delivered Reliability Growth Plan and Curves; Delivered Flight Test Plan and Procedures. August 30 2013: Delivered draft System Engineering Plan (SEP), draft Test and Evaluation Master Plan (TEMP), Acquisition Strategy. August 6 2013: Army Acquisition Executive (AAE) briefed Defense Acquisition Executive (DAE) on proposed strategy to de-scope Inc 3 program, based on FY 2015 budget. October 27 2013: ADM approved contract award and proceeding to Critical Design Review and directed Inc 3 to return to the DAE for approval of the updated program strategy. November 7 2013: Army conducted WIN-T Inc 2 and Inc 3 Configuration Steering Board (CSB) proposing program de-scope; Army CSB memorandum was signed 16 Jan 14. This decision de-scoped Inc 3 to NetOps and waveform development due to FY 2015-19 budgetary pressure. A program restructure to implement this de-scope is underway. February 21 2014: DAE briefed on Army WIN-T Inc 3 strategy; approval pending. <u>E. Performance Metrics</u> N/A		

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Exhibit R-3, RDT&E Project Cost Analysis: PB 2015 Army												Date: March 2014			
Appropriation/Budget Activity 2040 / 5						R-1 Program Element (Number/Name) PE 0605350A / WIN-T Increment 3 - Full Networking				Project (Number/Name) EE8 / WIN-T Increment 3 - Full Networking					
Management Services (\$ 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
Program Management Support	C/Various	Various : Various	0.000	-		-		11.412		-		11.412	-	11.412	-
Subtotal			0.000	-		-		11.412		-		11.412	-	11.412	-
Product Development (\$ 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
Increment 3 Engineering Manufacturing and Development	SS/FPIF	General Dynamics C4 Systems Inc : Taunton, MA	0.000	-		-		88.872		-		88.872	-	88.872	-
Prototype Manufacturing	SS/FPIF	General Dynamics C4 Systems Inc : Taunton, MA	0.000	-		-		0.277		-		0.277	-	0.277	-
Subtotal			0.000	-		-		89.149		-		89.149	-	89.149	-
Support (\$ 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
Technical Engineering Services and Research Studies	SS/FPIF	General Dynamics C4 Systems Inc : Taunton, MA	0.000	-		-		2.775		-		2.775	-	2.775	-
Subtotal			0.000	-		-		2.775		-		2.775	-	2.775	-
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
Testing	C/Various	Various : Various	0.000	-		-		9.874		-		9.874	-	9.874	-
Subtotal			0.000	-		-		9.874		-		9.874	-	9.874	-

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	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	-		-		113.210		-		113.210	-	113.210	-
Remarks													

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

Date: March 2014

Appropriation/Budget Activity

2040 / 5

R-1 Program Element (Number/Name)

PE 0605350A / WIN-T Increment 3 - Full Networking

Project (Number/Name)

EE8 / WIN-T Increment 3 - Full 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
Increment 3 EMD																												
HNW 3.0 Design																												
HNW 3.0 CUT																												
HNW 3.0 SWIT																												
HNW FQT																												
HNW DEMO PREP																												
HNW DEMO																												
NCW 10.X Cut/Swit																												
NCW 10.x Cert																												
NCW TL 1/2																												
Build 3e (Patches)																												
CBM+																												
DEMO at NIE 14.2																												
Contract TO Award																												
Critical Design Review																												
Task Order																												
DELTA CDR																												
TO Award																												
NetOps Build 4/5																												
Developmental Test																												
OT @ Network Integrated Evaluation 16.2																												
Milestone C																												
LRIP Contract																												

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Exhibit R-4A, RDT&E Schedule Details: PB 2015 Army			Date: March 2014
Appropriation/Budget Activity 2040 / 5	R-1 Program Element (Number/Name) PE 0605350A / WIN-T Increment 3 - Full Networking	Project (Number/Name) EE8 / WIN-T Increment 3 - Full Networking	

Schedule Details

Events	Start		End	
	Quarter	Year	Quarter	Year
Increment 3 EMD	4	2007	2	2017
HNW 3.0 Design	2	2012	2	2013
HNW 3.0 CUT	2	2013	1	2014
HNW 3.0 SWIT	1	2014	1	2015
HNW FQT	1	2015	1	2015
HNW DEMO PREP	2	2015	2	2016
HNW DEMO	2	2016	2	2016
NCW 10.X Cut/Swit	4	2012	1	2014
NCW 10.x Cert	1	2014	2	2015
NCW TL 1/2	2	2015	2	2015
Build 3e (Patches)	4	2012	1	2014
CBM+	1	2014	2	2014
DEMO at NIE 14.2	2	2014	3	2014
Contract TO Award	1	2014	1	2014
Critical Design Review	1	2014	1	2014
Task Order	3	2014	3	2014
DELTA CDR	3	2014	3	2014
TO Award	1	2015	1	2015
NetOps Build 4/5	2	2014	4	2015
Developmental Test	4	2015	4	2015
OT @ Network Integrated Evaluation 16.2	3	2016	4	2016
Milestone C	2	2017	2	2017

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Exhibit R-4A, RDT&E Schedule Details: PB 2015 Army			Date: March 2014	
Appropriation/Budget Activity 2040 / 5		R-1 Program Element (Number/Name) PE 0605350A / <i>WIN-T Increment 3 - Full Networking</i>		Project (Number/Name) EE8 / <i>WIN-T Increment 3 - Full Networking</i>

Events	Start		End	
	Quarter	Year	Quarter	Year
LRIP Contract	2	2017	2	2017