

ARMY RDT&E BUDGET ITEM JUSTIFICATION (R2 Exhibit)

May 2009

BUDGET ACTIVITY	PE NUMBER AND TITLE				
4 - Advanced Component Development and Prototypes	0603782A - WARFIGHTER INFORMATION NETWORK-TACTICAL - DEM/VAL				
COST (In Thousands)	FY 2008 Actual	FY 2009 Estimate	FY 2010 Estimate	Cost to Complete	Total Cost
Total Program Element (PE) Cost	309081	393054	180673	Continuing	Continuing
355 WIN-TACTICAL - DEM/VAL	309081				309081
367 WIN-T INCREMENT 2 -INITIAL NETWORKING-ON-THE-MOVE		83642	19052	Continuing	Continuing
372 WIN-T INCREMENT 3 - FULL NETWORKING ON THE MOVE		309412	161621	Continuing	Continuing

A. Mission Description and Budget Item Justification: The WIN-T program focus is to design, develop, produce and field the Future Modular Force transport network, while leveraging mature technologies that can enhance the Current Modular Force to operate in an emerging noncontiguous environment.

WIN-T Inc 3 develops the mature technologies which will be inserted into Inc 2.

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:

Increment 1: Networking at-the-Halt

Increment 1a: Extended Networking at-the-Halt; The former JNN program with Ka military satellite communications capability

Increment 1b: Enhanced Networking at-the-Halt; The former JNN Program with Net Centric Waveform and Colorless Core Capability

Increment 2: Initial Networking on-the-Move; Providing commercial and military band satellite communications to Division, Brigade, Battalion and Company

Increment 3: Full Networking on-the-Move; Full mobility to include Future Combat Systems (FCS) support

Increment 4: Protected Satellite Communications (SATCOM) on-the-Move Enhanced capability for protected SATCOM through tech insertions from High Capacity Communication Capability (HC3)

ARMY RDT&E BUDGET ITEM JUSTIFICATION (R2 Exhibit)

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BUDGET ACTIVITY

PE NUMBER AND TITLE

4 - Advanced Component Development and Prototypes

0603782A - WARFIGHTER INFORMATION NETWORK-TACTICAL - DEM/VAL

B. Program Change Summary

	FY 2008	FY 2009	FY 2010
Previous President's Budget (FY 2009)	320068	414357	373347
Current BES/President's Budget (FY 2010)	309081	393054	180673
Total Adjustments	-10987	-21303	-192674
Congressional Program Reductions		-21303	
Congressional Rescissions			
Congressional Increases			
Reprogrammings	-2120		
SBIR/STTR Transfer	-8867		
Adjustments to Budget Years			-192674

Change Summary Explanation: Funding: FY10 - Funds realigned \$192.674 to higher priority requirements.

ARMY RDT&E BUDGET ITEM JUSTIFICATION (R2a Exhibit)

May 2009

BUDGET ACTIVITY 4 - Advanced Component Development and Prototypes	PE NUMBER AND TITLE 0603782A - WARFIGHTER INFORMATION NETWORK-TACTICAL - DEM/VAL			PROJECT 355	
COST (In Thousands)	FY 2008 Actual	FY 2009 Estimate	FY 2010 Estimate	Cost to Complete	Total Cost
355	WIN-TACTICAL - DEM/VAL	309081			309081

A. Mission Description and Budget Item Justification: The WIN-T program focus is to design, develop, produce and field the Future Modular Force transport network, while leveraging mature technologies that can enhance the Current Modular Force to operate in an emerging noncontiguous environment. WIN-T will be developed and fielded in Increments that will successively build upon one another.

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. This Program Element (PE) addresses two of the Increments:

Increment 2 capability supports limited collaboration, mission planning and on-the-move. It enables distribution of information via voice, data, and real-time video from ground-to-ground and ground-to-satellite communications.

Increment 3 will provide the Commander/user within the tactical area of responsibility a mobile infrastructure that passes relevant information effectively and efficiently for combined arms capabilities in all required terrain and environmental conditions. Increment 3 implements the Global Information Grid (GIG) NetCentric vision to include Information Assurance and Network Centric Enterprise Services, provides dynamic bandwidth, enables On-the-Move (OTM) capability and is a key enabler for Future Combat Systems (FCS).

WIN-T Inc 3 develops the mature technologies which will be inserted into Inc 2.

All future funding for Increments 2 and 3 RDT&E efforts have been transferred to PE # 0603782A, Project 367 for Increment 2 and PE # 0603782A, Project 372 for Increment 3.

<u>Accomplishments/Planned Program:</u>	<u>FY 2008</u>	<u>FY 2009</u>	<u>FY 2010</u>
Prepare technical assessment and research studies.	884		
Prepare/coordinate contractual and milestone documentation, perform program support and management efforts, and conduct Preliminary Design Review (PDR) and Critical Design Review (CDR) and test support for Engineering Development Test and Limited User Test.	7753		
Continues System Development and Demonstration (SDD). The Prime Contractor and major subcontractors provide final architecture, Modeling and Simulation (M&S), preliminary design and critical design, and prototypes to support tests and milestone efforts.	266555		
Conducted Inc 2 Field Test. Provide Test Support to include M&S and preparation for Inc 2 DT/LUT and Inc 3 DT.	13636		
Provide STT+ as Government Furnished Equipment to Prime Contractor for Inc 2 LUT.	2849		

ARMY RDT&E BUDGET ITEM JUSTIFICATION (R2a Exhibit)

May 2009

BUDGET ACTIVITY	PE NUMBER AND TITLE	PROJECT
4 - Advanced Component Development and Prototypes	0603782A - WARFIGHTER INFORMATION NETWORK-TACTICAL - DEM/VAL	355
Provide system engineering, technical support and platform integration support for Inc 2 and Inc 3 programs.	17404	
Total	309081	

B. Other Program Funding Summary Not applicable for this item.

C. Acquisition Strategy The Milestone Decision Authority (MDA) approved entrance as a Milestone (MS) B Program and the initial WIN-T Acquisition Strategy on July 28, 2003. Since MS B, the structure of the Army changed requiring the WIN-T architecture to change as well. Consequently, the FY07 President's Budget resulted in near term Procurement funding being removed from FY06 thru FY09 and Research Development Test & Evaluation (RDT&E) funding was increased to levels that exceeded the Acquisition Program Baseline (APB) threshold. Concurrently, the Army Training and Doctrine Command (TRADOC) received direction to initiate a Capability Development Document (CDD) versus a Capability Production Document (CPD). These factors combined led PM WIN-T to initiate and submit a Program Deviation Report (PDR) on October 7, 2005. The PDR identified a breach to two key milestones, the Critical Design Review (CDR) and the Milestone C Decision Review, as well as a potential RDT&E cost threshold breach due to a schedule extension and additional form, fit, and function requirements directed from FCS requirements allocation.

A change in the law, Title 10 United States Code 2433, required the program to refer back to the original APB to determine the cost growth for Program Acquisition Unit Cost (PAUC) and the Average Procurement Unit Cost (APUC). A Defense Acquisition Board in Process Review (DAB IPR) was held on September 21, 2006. On January 23, 2007 a second Program Deviation Report (PDR) was submitted to announce the breaches to PAUC and APUC.

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.

The Government attained approval on a Class Justification & Approval (J&A) based on one responsible source and issued a Sole Source Request for Proposal (RFP) for five years continuation of the RDT&E portion of the Phase 3 SDD contract on March 19, 2007. The Phase 3 SDD contract was awarded on June 29, 2007 to a combined contract team with General Dynamics as the prime contractor and Lockheed Martin the major subcontractor. Increment 2 SDD was implemented as a within scope change to the Phase 3 contract and incorporated by modification on 14 August 2007.

ARMY RDT&E COST ANALYSIS (R3)

May 2009

BUDGET ACTIVITY 4 - Advanced Component Development and Prototypes			PE NUMBER AND TITLE 0603782A - WARFIGHTER INFORMATION NETWORK-TACTICAL - DEM/VAL								PROJECT 355	
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I. Product Development	Contract Method & Type	Performing Activity & Location	Total PYs Cost	FY 2008 Cost	FY 2008 Award Date	FY 2009 Cost	FY 2009 Award Date	FY 2010 Cost	FY 2010 Award Date	Cost To Complete	Total Cost	Target Value of Contract
Phase 1 Pre Milestone B	CPFF/T&M	Lockheed Martin Integrated Systems & Solutions, Gaithersburg, MD	21185								21185	
Phase 1 Pre Milestone B	CPFF/T&M	General Dynamics C4 Systems, Taunton, MA	13306								13306	
Phase 2 SDD	CPFF/T&M	Lockheed Martin Integrated Systems & Solutions, Gaithersburg, MD	40770								40770	
Phase 2 SDD	CPFF/CPAF/T&M	General Dynamics C4 Systems Inc, Taunton, MA	339972								266784	
Phase 3 SDD	CPAF/T&M	General Dynamics C4 Systems Inc, Taunton, MA	24184	266555	1-4Q						290739	
Subtotal:			439417	266555							632784	

Remarks: All future funding transferred to PE # 0603782A, Project 367 for Increment 2 and PE # 0603782A, Project 372 for Increment 3

II. Support Costs	Contract Method & Type	Performing Activity & Location	Total PYs Cost	FY 2008 Cost	FY 2008 Award Date	FY 2009 Cost	FY 2009 Award Date	FY 2010 Cost	FY 2010 Award Date	Cost To Complete	Total Cost	Target Value of Contract
WIN-T Technical Assessment and Research Studies	Various		3743	884	1-4Q						4108	
Systems Engineering and Technical Support	Various		49761	17404	1-4Q						58989	
Subtotal:			53504	18288							63097	

Remarks: All future funding transferred to PE # 0603782A, Project 367 for Increment 2 and PE # 0603782A, Project 372 for Increment 3

ARMY RDT&E COST ANALYSIS (R3)

May 2009

BUDGET ACTIVITY 4 - Advanced Component Development and Prototypes	PE NUMBER AND TITLE 0603782A - WARFIGHTER INFORMATION NETWORK-TACTICAL - DEM/VAL	PROJECT 355
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III. Test And Evaluation	Contract Method & Type	Performing Activity & Location	Total PYs Cost	FY 2008 Cost	FY 2008 Award Date	FY 2009 Cost	FY 2009 Award Date	FY 2010 Cost	FY 2010 Award Date	Cost To Complete	Total Cost	Target Value of Contract
Conducted Inc 2 Field Test. Provide Test Support to include M&S prep for Inc 2 DT/LUT & Inc 3 DT.	Various		21175	13636	1-4Q						34811	
Government Furnished Equipment for Inc 2 LUT	PWD			2849	2Q						2849	
Subtotal:			21175	16485							37660	

Remarks: All future funding transferred to PE # 0603782A, Project 367 for Increment 2 and PE # 0603782A, Project 372 for Increment 3

IV. Management Services	Contract Method & Type	Performing Activity & Location	Total PYs Cost	FY 2008 Cost	FY 2008 Award Date	FY 2009 Cost	FY 2009 Award Date	FY 2010 Cost	FY 2010 Award Date	Cost To Complete	Total Cost	Target Value of Contract
Documentation Preparation & PM Support	Various		14851	4853	1-4Q						17509	
Conducted Source Selection Evaluation Board and Conduct Should Cost Effort	Various		326								326	
Travel, licenses, facilities, etc.	Various		3391	1500	1-4Q						4562	
MITRE Support	PWD		7748	1400	1-4Q						8094	
Subtotal:			26316	7753							30491	

Remarks: All future funding transferred to PE # 0603782A, Project 367 for Increment 2 and PE # 0603782A, Project 372 for Increment 3

Project Total Cost:	540412	309081									764032	
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Schedule Profile (R4 Exhibit)

May 2009

BUDGET ACTIVITY
4 - Advanced Component Development and Prototypes

PE NUMBER AND TITLE
**0603782A - WARFIGHTER INFORMATION
 NETWORK-TACTICAL - DEM/VAL**

PROJECT
355

Event Name	FY 08				FY 09				FY 10				FY 11				FY 12				FY 13				FY 14				FY 15			
	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	1	2	3	4
Increment 2 Phase 3 SDD	Inc 2 SDD																															
(1) Inc 2 Preliminary Design Review	▲ Inc 2 PDR																															
Inc 2 Field Test	Field Test																															
(2) IPR (OIPT), (3) Increment 2 Critical Design Review	▲ OIPT Inc 2 CDR																															
Increment 3 Phase 3 SDD	Inc 3 SDD																															
(4) Increment 3 Preliminary Design Review	▲ Inc 3 PDR																															

Schedule Detail (R4a Exhibit)

May 2009

BUDGET ACTIVITY 4 - Advanced Component Development and Prototypes	PE NUMBER AND TITLE 0603782A - WARFIGHTER INFORMATION NETWORK-TACTICAL - DEM/VAL	PROJECT 355
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<u>Schedule Detail</u>	<u>FY 2008</u>	<u>FY 2009</u>	<u>FY 2010</u>	<u>FY 2011</u>	<u>FY 2012</u>	<u>FY 2013</u>	<u>FY 2014</u>	<u>FY 2015</u>
Phase 2 SDD								
Increment 2 Phase 3 SDD	1Q - 4Q							
Inc 2 Preliminary Design Review	1Q							
Inc 2 Field Test	1Q							
IPR (OIPT)	2Q							
Increment 2 Critical Design Review	2Q							
Increment 3 Phase 3 SDD	1Q - 4Q							
Increment 3 Preliminary Design Review	4Q							

Scheduled events for FY2009 and out will be reflected on the reports for PE # 0603782A, Project 367 for Increment 2 and PE # 0603782A, Project 372 for Increment 3

ARMY RDT&E BUDGET ITEM JUSTIFICATION (R2a Exhibit)

May 2009

BUDGET ACTIVITY 4 - Advanced Component Development and Prototypes	PE NUMBER AND TITLE 0603782A - WARFIGHTER INFORMATION NETWORK-TACTICAL - DEM/VAL			PROJECT 367	
COST (In Thousands)	FY 2008 Actual	FY 2009 Estimate	FY 2010 Estimate	Cost to Complete	Total Cost
367 WIN-T INCREMENT 2 -INITIAL NETWORKING-ON-THE-MOVE		83642	19052	Continuing	Continuing

A. Mission Description and Budget Item Justification: Increment 2 capability supports limited collaboration, mission planning and on-the-move. It enables distribution of information via voice, data, and real-time video from ground-to-ground and ground-to-satellite communications. Increment 2 capitalizes on commercial off-the-shelf/Government off-the-shelf (COTS)/(GOTS), mature technologies and adds mobility to the Brigade Combat Team (BCT) including Battalions and Companies. Increment 2 initially enables planning, monitoring, controlling and prioritizing (PMCP) the Div Headquarters (HQs) and/or the Bde network. It will disseminate critical information in less than five seconds and time sensitive information in less than eight seconds. Mobile communications for select users are enabled at 256 kbps for speeds up to 25 mph. It provides vehicular personnel force protection. It extends wide area/Global Information Grid (GIG) network connectivity to the lower tactical subnets at the company level. Network survivability is enhanced by automatically reconfiguring the network due to node(s) or link loss (es). Spectrum reuse is accomplished with the Highband Network Waveform (HNW) and Net Centric Waveform (NCW). The Quality of Service (QoS) capability enables message trafficking prioritization by level of importance to the warfighter. This Increment provides commercial and military band satellite communications to Div, Bde, Bn and Company (Co). WIN-T Inc 3 develops the mature technologies which will be inserted into Inc 2.

This program is not a new start, effort previously funded under PE# 0603782A, Project 355.

Funds in FY2010 support platform integration and government test support for Production Qualification Test-Contractor (PQT-C) and preparation for Initial Operational Test (IOT).

<u>Accomplishments/Planned Program:</u>	<u>FY 2008</u>	<u>FY 2009</u>	<u>FY 2010</u>
Increment 2 Engineering Change Proposal (ECP) provides the productization of configuration items, test support/prototypes for Development Test, New Equipment Training, and Limited User Test. The contractor provides final architecture, Modeling & Simulation (M&S), and support for milestone efforts.		37930	5026
Platform Integration of WIN-T Configuration Items		14408	1720
Technical Engineering Services and Research Studies		5200	1994
Conduct of Developmental Test and Limited User Test; includes Modeling and Simulation		13652	8900
Program Management Support		10109	1412
Small Business Innovative Research/Small Business Technology Transfer Programs		2343	
Total		83642	19052

B. Other Program Funding Summary Not applicable for this item.

ARMY RDT&E BUDGET ITEM JUSTIFICATION (R2a Exhibit)

May 2009

BUDGET ACTIVITY

4 - Advanced Component Development and Prototypes

PE NUMBER AND TITLE

**0603782A - WARFIGHTER INFORMATION
NETWORK-TACTICAL - DEM/VAL**

PROJECT

367

C. 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:

Increment 1: Networking at-the-Halt
 Increment 1a: Extended Networking at-the-Halt; the former JNN program with Ka military satellite communications capability
 Increment 1b: Enhanced Networking at-the-Halt; the former JNN Program with Net Centric Waveform and Colorless Core Capability
 Increment 2: Initial Networking on-the-Move; Providing commercial and military band satellite communications to Division, Brigade, Battalion and Company
 Increment 3: Full Networking on-the-Move
 Full mobility to include Future Combat Systems (FCS) support
 Increment 4: Protected Satellite Communications (SATCOM) on-the-Move
 Enhanced capability for protected SATCOM through tech insertions from High Capacity Communication Capability (HC3)

ARMY RDT&E COST ANALYSIS (R3)

May 2009

BUDGET ACTIVITY			PE NUMBER AND TITLE							PROJECT		
4 - Advanced Component Development and Prototypes			0603782A - WARFIGHTER INFORMATION NETWORK-TACTICAL - DEM/VAL							367		
I. Product Development	Contract Method & Type	Performing Activity & Location	Total PYs Cost	FY 2008 Cost	FY 2008 Award Date	FY 2009 Cost	FY 2009 Award Date	FY 2010 Cost	FY 2010 Award Date	Cost To Complete	Total Cost	Target Value of Contract
Increment 2 ECP to the Inc 3 SDD	CPAF	General Dynamics C4 Systems Inc, Taunton, MA				37930	1-4Q	5026	1-4Q	Cont.	Cont.	
Platform Integration	Various	Various				14408	3Q	1720	1-4Q	Cont.	Cont.	
Subtotal:						52338		6746		Cont.	Cont.	
II. Support Costs	Contract Method & Type	Performing Activity & Location	Total PYs Cost	FY 2008 Cost	FY 2008 Award Date	FY 2009 Cost	FY 2009 Award Date	FY 2010 Cost	FY 2010 Award Date	Cost To Complete	Total Cost	Target Value of Contract
Technical Engineering Services and Research Studies	T&M	General Dynamics C4 Systems Inc, Taunton, MA				5200	1-4Q	1994	1-4Q	Cont.	Cont.	
Subtotal:						5200		1994		Cont.	Cont.	
III. Test And Evaluation	Contract Method & Type	Performing Activity & Location	Total PYs Cost	FY 2008 Cost	FY 2008 Award Date	FY 2009 Cost	FY 2009 Award Date	FY 2010 Cost	FY 2010 Award Date	Cost To Complete	Total Cost	Target Value of Contract
Test and Modeling & Simulation	Various	Various				13652	1-4Q	8900	1-4Q	Cont.	Cont.	
Subtotal:						13652		8900		Cont.	Cont.	
IV. Management Services	Contract Method & Type	Performing Activity & Location	Total PYs Cost	FY 2008 Cost	FY 2008 Award Date	FY 2009 Cost	FY 2009 Award Date	FY 2010 Cost	FY 2010 Award Date	Cost To Complete	Total Cost	Target Value of Contract

ARMY RDT&E COST ANALYSIS (R3)

May 2009

BUDGET ACTIVITY			PE NUMBER AND TITLE							PROJECT	
4 - Advanced Component Development and Prototypes			0603782A - WARFIGHTER INFORMATION NETWORK-TACTICAL - DEM/VAL							367	
Program Management Support	MIPR	Various				10109	1-4Q	1412	1-4Q	Cont.	Cont.
Small Business Innovative Research/Small Business Technology Transfer Programs	MIPR	Various				2343	1-4Q			Cont.	Cont.
Subtotal:						12452		1412		Cont.	Cont.
Project Total Cost:						83642		19052		Cont.	Cont.

Schedule Profile (R4 Exhibit)

May 2009

BUDGET ACTIVITY
4 - Advanced Component Development and Prototypes

PE NUMBER AND TITLE
0603782A - WARFIGHTER INFORMATION NETWORK-TACTICAL - DEM/VAL

PROJECT
367

Event Name	FY 08				FY 09				FY 10				FY 11				FY 12				FY 13				FY 14				FY 15			
	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	1	2	3	4
Phase 3 Increment 2 SDD	Inc 2 SDD																															
(1) Increment 2 Preliminary Design Review	▲ 1																															
(2) Increment 2 Critical Design Review	▲ 2																															
(3) Developmental Test				▲ 3																												
(4) New Equipment Training, (5) Limited User Test				▲ 4		▲ 5																										
(6) Milestone C, (7) Contract Award for Low Rate Initial Production				▲ 4		▲ 5		▲ 7																								
Increment 2 Low Rate Initial Production									Inc 2 LRIP																							
(8) Initial Operational Test													▲ 8																			
(9) First Unit Equipped															▲ 9																	
Full Rate Production																	FRP															

Schedule Detail (R4a Exhibit)

May 2009

BUDGET ACTIVITY 4 - Advanced Component Development and Prototypes	PE NUMBER AND TITLE 0603782A - WARFIGHTER INFORMATION NETWORK-TACTICAL - DEM/VAL	PROJECT 367
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<u>Schedule Detail</u>	<u>FY 2008</u>	<u>FY 2009</u>	<u>FY 2010</u>	<u>FY 2011</u>	<u>FY 2012</u>	<u>FY 2013</u>	<u>FY 2014</u>	<u>FY 2015</u>
Phase 3 Increment 2 SDD	1Q - 4Q	1Q - 3Q						
Increment 2 Preliminary Design Review	1Q							
Increment 2 Critical Design Review	2Q							
Developmental Test		1Q						
New Equipment Training		2Q						
Limited User Test		2Q						
Milestone C		4Q						
Contract Award for Low Rate Initial Production		4Q						
Increment 2 Low Rate Initial Production		4Q	1Q - 4Q	1Q - 4Q				
Initial Operational Test				2Q				
Full Rate Production Decision Review				3Q				
First Unit Equipped				4Q				
Full Rate Production				4Q	1Q - 4Q	1Q - 4Q	1Q - 4Q	1Q - 4Q

Prior years for scheduling and funding can be derived from the PE# 0603782A, Project 355

ARMY RDT&E BUDGET ITEM JUSTIFICATION (R2a Exhibit)

May 2009

BUDGET ACTIVITY 4 - Advanced Component Development and Prototypes	PE NUMBER AND TITLE 0603782A - WARFIGHTER INFORMATION NETWORK-TACTICAL - DEM/VAL			PROJECT 372	
COST (In Thousands)	FY 2008 Actual	FY 2009 Estimate	FY 2010 Estimate	Cost to Complete	Total Cost
372 WIN-T INCREMENT 3 - FULL NETWORKING ON THE MOVE		309412	161621	Continuing	Continuing

A. Mission Description and Budget Item Justification: Warfighter Information Network - Tactical (WIN-T) Inc 3 is the Army's communications system for reliable, secure, and seamless video, data, imagery, and voice services that enables decisive combat actions. It will be focused on moving information in a manner that supports commanders, staffs, functional units, and capabilities - based formations - all mobile, agile, lethal, sustainable, and deployable. It will be optimized for offensive and Joint operations so that the theater combatant commander will have the capability to perform multiple missions simultaneously. WIN-T Increment 3 will provide the Commander/user within the tactical area of responsibility a mobile infrastructure that passes relevant information effectively and efficiently for combined arms capabilities in all required terrain and environmental conditions. WIN-T is implementing the Global Information Grid (GIG) NetCentric Vision including Information Assurance and Network Centric Enterprise Services. In addition, WIN-T is a key component of the tactical GIG and enabler for Future Combat Systems (FCS). WIN-T provides dynamic bandwidth and enabling formations On-The-Move (OTM). WIN-T Inc 3 develops the mature technologies which will be inserted into Inc 2. Inc 3 introduces the aerial tier to complete the 3 tier objective architecture.

This program is not a new start, previously funded under PE # 0603782A, Project 355.

Funds in FY2010 continue the Inc 3 System Development and Demonstration effort to include software development engineering builds, continued development of Inc 3 mature technologies that will be inserted into Inc 2, development of an aerial tier, as well as continue to provide the objective transmission subsystem; JC4ISR radio and associated antennas.

<u>Accomplishments/Planned Program:</u>	<u>FY 2008</u>	<u>FY 2009</u>	<u>FY 2010</u>
Increment 3 System Development and Demonstration. The contractor continues development, Modeling and Simulation (M&S), hardware and software development for Inc 2 inserts and an aerial tier.		267870	131451
Technical Engineering Services and Research Studies		4500	2279
Support for Engineering Development Test and Limited User Test; includes M&S		2005	2094
Program Management Support		26464	25797
Small Business Innovative Research/Small Business Technology Transfer Programs		8573	
Total		309412	161621

B. Other Program Funding Summary Not applicable for this item.

ARMY RDT&E BUDGET ITEM JUSTIFICATION (R2a Exhibit)**May 2009**

BUDGET ACTIVITY

4 - Advanced Component Development and Prototypes

PE NUMBER AND TITLE

**0603782A - WARFIGHTER INFORMATION
NETWORK-TACTICAL - DEM/VAL**

PROJECT

372

C. 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:

Increment 1: Networking at-the-Halt

Increment 1a: Extended Networking at-the-Halt; the former JNN program with Ka military satellite communications capability

Increment 1b: Enhanced Networking at-the-Halt; the former JNN Program with Net Centric Waveform and Colorless Core Capability

Increment 2: Initial Networking on-the-Move; Providing commercial and military band satellite communications to Division, Brigade, Battalion and Company

Increment 3: Full Networking on-the-Move

Full mobility to include Future Combat Systems (FCS) support

Increment 4: Protected Satellite Communications (SATCOM) on-the-Move

Enhanced capability for protected SATCOM through tech insertions from High Capacity Communication Capability (HC3)

In accordance with the June 5, 2007 Acquisition Decision Memorandum (ADM), Future Combat Systems program requirements must be locked and Inc 3 must return to the DAE for Acquisition Program Baseline (APB) approval. Program baseline approval is anticipated in April 09. If the program is not baselined, a 50% withhold is applied. Since the certification in June 07, Inc 3 has awarded contract modification to continue with the SDD efforts and held an in-process review.

The National Defense Authorization Act (NDAA) restricted the obligation of fifty percent (50%) of the Inc 3 FY09 development funds authorized until 15 days after congressional defense committees received certification from USD ATL that:

Inc 3 has an approved APB

Completion of an Independent Cost Estimate (ICE) by CAIG

Completion of the Technology Readiness Assessment by DDRE

A Stop Work on the Inc 3 program will occur in early June 09 if the statutory requirements have not been completed and funding released. As of mid-April 09 all 3 documents have been completed and the APB is in staffing for signatures. Program baselining is anticipated in April 09 with funding release anticipated in May 09.

ARMY RDT&E COST ANALYSIS (R3)

May 2009

BUDGET ACTIVITY			PE NUMBER AND TITLE								PROJECT	
4 - Advanced Component Development and Prototypes			0603782A - WARFIGHTER INFORMATION NETWORK-TACTICAL - DEM/VAL								372	
I. Product Development	Contract Method & Type	Performing Activity & Location	Total PYs Cost	FY 2008 Cost	FY 2008 Award Date	FY 2009 Cost	FY 2009 Award Date	FY 2010 Cost	FY 2010 Award Date	Cost To Complete	Total Cost	Target Value of Contract
Increment 3 System Development and Demonstration	CPAF	General Dynamics C4 Systems Inc, Taunton, MA				267870	1-4Q	131451	1-4Q	Cont.	Cont.	
Subtotal:						267870		131451		Cont.	Cont.	
II. Support Costs	Contract Method & Type	Performing Activity & Location	Total PYs Cost	FY 2008 Cost	FY 2008 Award Date	FY 2009 Cost	FY 2009 Award Date	FY 2010 Cost	FY 2010 Award Date	Cost To Complete	Total Cost	Target Value of Contract
Technical Engineering Services and Research Studies	T&M	General Dynamics C4 Systems Inc, Taunton, MA				4500	1-4Q	2279	1-4Q	Cont.	Cont.	
Subtotal:						4500		2279		Cont.	Cont.	
III. Test And Evaluation	Contract Method & Type	Performing Activity & Location	Total PYs Cost	FY 2008 Cost	FY 2008 Award Date	FY 2009 Cost	FY 2009 Award Date	FY 2010 Cost	FY 2010 Award Date	Cost To Complete	Total Cost	Target Value of Contract
Testing and Modeling & Simulation	Various	Various				2005	1-4Q	2094	1-4Q	Cont.	Cont.	
Subtotal:						2005		2094		Cont.	Cont.	
IV. Management Services	Contract Method & Type	Performing Activity & Location	Total PYs Cost	FY 2008 Cost	FY 2008 Award Date	FY 2009 Cost	FY 2009 Award Date	FY 2010 Cost	FY 2010 Award Date	Cost To Complete	Total Cost	Target Value of Contract
Program Management Support	MIPR	Various				26464	1-4Q	25797	1-4Q	Cont.	Cont.	

ARMY RDT&E COST ANALYSIS (R3)

May 2009

BUDGET ACTIVITY 4 - Advanced Component Development and Prototypes			PE NUMBER AND TITLE 0603782A - WARFIGHTER INFORMATION NETWORK-TACTICAL - DEM/VAL						PROJECT 372		
Small Business Innovative Research/Small Business Technology Transfer Programs	MIPR	Various				8573	1-4Q		1-4Q	Cont.	Cont.
Subtotal:						35037		25797		Cont.	Cont.
Project Total Cost:						309412		161621		Cont.	Cont.

Schedule Detail (R4a Exhibit)

May 2009

BUDGET ACTIVITY 4 - Advanced Component Development and Prototypes	PE NUMBER AND TITLE 0603782A - WARFIGHTER INFORMATION NETWORK-TACTICAL - DEM/VAL	PROJECT 372
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<u>Schedule Detail</u>	<u>FY 2008</u>	<u>FY 2009</u>	<u>FY 2010</u>	<u>FY 2011</u>	<u>FY 2012</u>	<u>FY 2013</u>	<u>FY 2014</u>	<u>FY 2015</u>
Phase 3 Increment 3 System Development & Demonstration	1Q - 4Q	1Q - 3Q						
Increment 3 System Preliminary Design Review	4Q							
Critical Design Review					1Q			
Engineering Development Test						4Q	1Q	
New Equipment Training							1Q	
Limited User Test							1Q	
Production Readiness Review							1Q	
Milestone C							3Q	
Low Rate Initial Production							3Q - 4Q	1Q - 4Q

Prior years for scheduling and funding can be derived from the PE # 0603782A, Project 355

This draft schedule is an estimate based on the CAIG ICE and pending President Budget (PB) decision. The schedule is subject to changed based on finalizing baseline documentation.