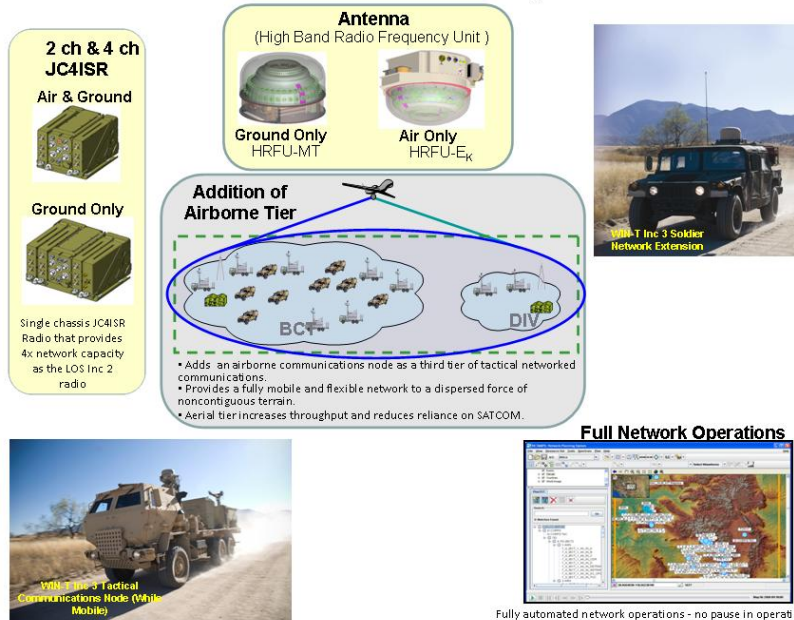




Selected Acquisition Report (SAR)

RCS: DD-A&T(Q&A)823-350

WIN-T Increment 3 – Full Networking On The Move



Warfighter Information Network-Tactical Increment 3 (WIN-T Inc 3)

As of FY 2011 President's Budget

Defense Acquisition Management
Information Retrieval
(DAMIR)

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Common Acronyms and Abbreviations for MDAP Programs

Acq O&M - Acquisition-Related Operations and Maintenance
ACAT - Acquisition Category
ADM - Acquisition Decision Memorandum
APB - Acquisition Program Baseline
APPN - Appropriation
APUC - Average Procurement Unit Cost
\$B - Billions of Dollars
BA - Budget Authority/Budget Activity
Blk - Block
BY - Base Year
CAPE - Cost Assessment and Program Evaluation
CARD - Cost Analysis Requirements Description
CDD - Capability Development Document
CLIN - Contract Line Item Number
CPD - Capability Production Document
CY - Calendar Year
DAB - Defense Acquisition Board
DAE - Defense Acquisition Executive
DAMIR - Defense Acquisition Management Information Retrieval
DoD - Department of Defense
DSN - Defense Switched Network
EMD - Engineering and Manufacturing Development
EVM - Earned Value Management
FOC - Full Operational Capability
FMS - Foreign Military Sales
FRP - Full Rate Production
FY - Fiscal Year
FYDP - Future Years Defense Program
ICE - Independent Cost Estimate
IOC - Initial Operational Capability
Inc - Increment
JROC - Joint Requirements Oversight Council
\$K - Thousands of Dollars
KPP - Key Performance Parameter
LRIP - Low Rate Initial Production
\$M - Millions of Dollars
MDA - Milestone Decision Authority
MDAP - Major Defense Acquisition Program
MILCON - Military Construction
N/A - Not Applicable
O&M - Operations and Maintenance
ORD - Operational Requirements Document
OSD - Office of the Secretary of Defense
O&S - Operating and Support
PAUC - Program Acquisition Unit Cost

PB - President's Budget
PE - Program Element
PEO - Program Executive Officer
PM - Program Manager
POE - Program Office Estimate
RDT&E - Research, Development, Test, and Evaluation
SAR - Selected Acquisition Report
SCP - Service Cost Position
TBD - To Be Determined
TY - Then Year
UCR - Unit Cost Reporting
U.S. - United States
USD(AT&L) - Under Secretary of Defense (Acquisition, Technology and Logistics)

Program Information

Program Name

Warfighter Information Network-Tactical (WIN-T) Increment 3 (WIN-T Increment 3)

DoD Component

Army

Responsible Office

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Date Assigned: August 24, 2007

References

SAR Baseline (Development Estimate)

Defense Acquisition Executive (DAE) Approved Acquisition Program Baseline (APB) dated May 18, 2009

Approved APB

Defense Acquisition Executive (DAE) Approved Acquisition Program Baseline (APB) dated May 18, 2009

Mission and Description

WIN-T is the implementation of the Army's strategy to achieve a world-class Joint expeditionary network enabled by information technologies that support the goals of the Army Campaign Plan and other Army/Joint mandates. WIN-T is a cornerstone tactical communications system supporting the implementation of the LandWarNet strategy during the 2007 to 2025 timeframe. The WIN-T program is establishing a single integrating framework creating a network of networks for the Army, subject to unit commander's intent and security policy.

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 focus of this document is WIN-T Increment 3. As a key system supporting the Army's Current and Future Force, WIN-T Increment 3 meets the pressing need for efficient battlefield bandwidth utilization, optimal demand based data throughput, on-the-move critical information exchange, and rapid infrastructure modernization. WIN-T operates as the principal means to frame the tactical infosphere that encompasses the Modular Force's areas of influence. The tactical infosphere will operate while mobile, via its robust networking, and will be able to pass relevant information for system of systems combined arms capabilities in all required terrain and environmental conditions. Brigade Combat Team (BCT) Modernization (formerly Future Combat Systems (FCS)), Joint Tactical Radio System (JTRS), satellite terminals and other Department of Defense (DoD) Command, Control, Communications & Computers, Intelligence (C4I) programs are relying on WIN-T for seamless integration into the DoD Global Information Grid (GIG). WIN-T will be a framework conforming to established standards and protocols for the network while interfacing with and/or replacing equipment in current forces. WIN-T Increment 3 replaces WIN-T Increment 1 at select locations and WIN-T Increment 2.

WIN-T Increment 3 capability supports full network planning and execution while fully OTM. It provides enhanced mobility and satellite connectivity that is extended to Army, Division, Brigade, Battalion and Company. Network reliability and robustness is enhanced with the addition of the air tier layer.

Executive Summary

The original WIN-T Increment 3 Acquisition Program Baseline (APB) was approved by the Defense Acquisition Executive (DAE) on May 18, 2009. The Acquisition Decision Memorandum (ADM) of the same date noted known changes to the program including elimination of Future Combat Systems (FCS) Manned Ground Vehicles (MGVs), liquid cooled radios, and, subsequently, the termination of Class IV Unmanned Aerial Vehicles (UAV). The ADM directed these changes be addressed by: establishing an updated WIN-T Increment 3 Cost Analysis Requirements Document (CARD) to reflect a restructured program to align with the FY2010 President's Budget, completing an updated Army Cost Position (ACP) and updated Independent Cost Estimate (ICE), and submission of a revised APB.

Engineering Manufacturing and Development efforts are on-going. An Engineering Field Test (EFT) was completed in 1QFY2009. The updated CARD and ACP are complete and pending review and approval by the Cost Review Board (CRB) Principals. The ICE and revised APB are in process.

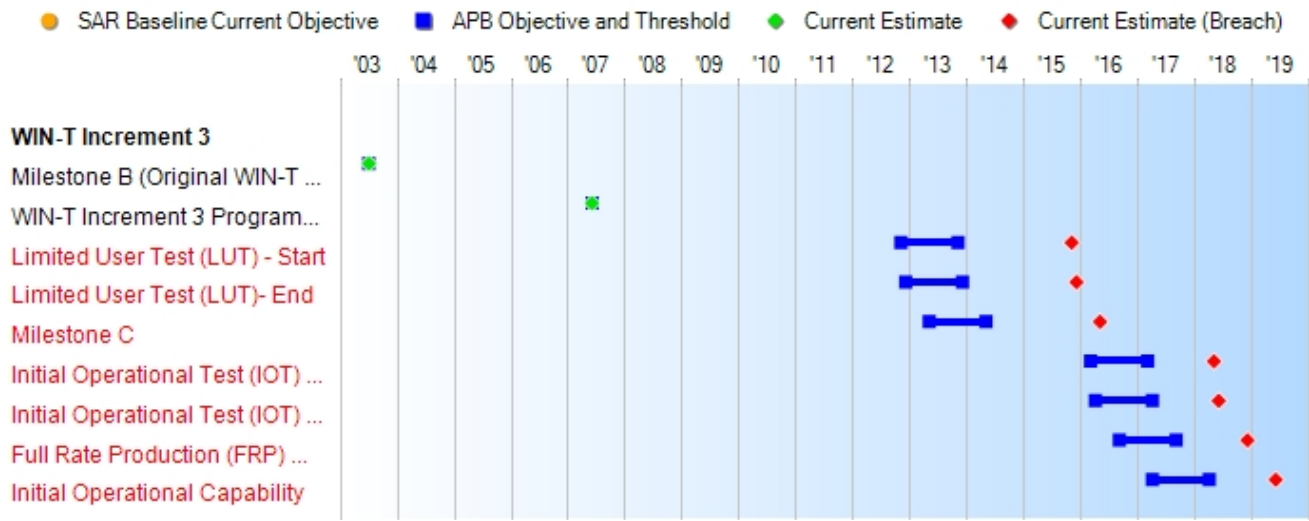
There are no significant software-related issues for this program at this time.

Threshold Breaches

APB Breaches		Explanation of Breach	
Schedule	<input checked="" type="checkbox"/>	In accordance with the Defense Acquisition Executive (DAE) Acquisition Decision Memorandum (ADM) of May 18, 2009, the WIN-T Increment 3 program has been restructured to align with the FY2010 President's Budget. The Current Estimate schedule in this report reflects the proposed schedule, incorporating changes which resulted from decrements in the FY2010 President's Budget and the FY2011 President's Budget. A revised Acquisition Program Baseline (APB) is in process.	
Performance	<input type="checkbox"/>		
Cost	RDT&E		<input type="checkbox"/>
	Procurement		<input type="checkbox"/>
	MILCON		<input type="checkbox"/>
	Acq O&M		<input type="checkbox"/>
O&S Cost	<input type="checkbox"/>		
Unit Cost	PAUC		<input type="checkbox"/>
	APUC	<input type="checkbox"/>	

Nunn-McCurdy Breaches	
Current UCR Baseline	
PAUC	None
APUC	None
Original UCR Baseline	
PAUC	None
APUC	None

Schedule



Schedule Events				
Events	SAR Baseline Development Estimate	Current APB Development Objective/Threshold		Current Estimate
Milestone B (Original WIN-T Program)	Jul 2003	Jul 2003	Jul 2003	Jul 2003
WIN-T Increment 3 Program Restructure Certification	Jun 2007	Jun 2007	Jun 2007	Jun 2007
Limited User Test (LUT) - Start	Nov 2012	Nov 2012	Nov 2013	Nov 2015¹ (Ch-1)
Limited User Test (LUT)- End	Dec 2012	Dec 2012	Dec 2013	Dec 2015¹ (Ch-1)
Milestone C	May 2013	May 2013	May 2014	May 2016¹ (Ch-1)
Initial Operational Test (IOT) - Start	Mar 2016	Mar 2016	Mar 2017	May 2018¹ (Ch-1)
Initial Operational Test (IOT) - End	Apr 2016	Apr 2016	Apr 2017	Jun 2018¹ (Ch-1)
Full Rate Production (FRP) Decision Review	Sep 2016	Sep 2016	Sep 2017	Dec 2018¹ (Ch-1)
Initial Operational Capability	Apr 2017	Apr 2017	Apr 2018	Jun 2019¹ (Ch-1)

¹ APB Breach

Change Explanations

(Ch-1) An original WIN-T Increment 3 Acquisition Program Baseline (APB) was approved by the Defense Acquisition Executive (DAE) on May 18, 2009. The Acquisition Decision Memorandum (ADM) of the same date noted known changes to the program including elimination of Future Combat Systems (FCS) Manned Ground Vehicles (MGVs), liquid cooled radios, and, subsequently, the termination of Class IV Unmanned Aerial Vehicles (UAV). The ADM directed these changes be addressed by: establishing an updated WIN-T Increment 3 Cost Analysis Requirements Document (CARD) to reflect a restructured program to align with the FY2010 President's Budget, completing an updated Army Cost Position (ACP) and updated Independent Cost Estimate (ICE), and submission of a revised APB.

The CARD and ACP are complete and pending review by the Cost Review Board (CRB) Principals. The ICE and revised APB are in process. The Current Estimate schedule in this report reflects the proposed schedule, incorporating changes which resulted from decrements in the FY2010 President's Budget and the FY2011 President's Budget.

The following schedule changes occurred due to program revisions associated with realigning the WIN-T Increment 3 program with FY2010 and FY2011 President's Budgets:

Limited User Test Start was changed from November 2012 to November 2015.

Limited User Test End was changed from December 2012 to December 2015.

Milestone C was changed from May 2013 to May 2016.

Initial Operational Test Start was changed from March 2016 to May 2018.

Initial Operational Test End was changed from April 2016 to June 2018.

Full Rate Production Decision Review was changed from September 2016 to December 2018.

Initial Operational Capability was changed from April 2017 to June 2019.

Notes

The original WIN-T program underwent a Nunn-McCurdy certification process. The resulting Acquisition Decision Memorandum of June 5, 2007 restructured WIN-T into four increments in which WIN-T Increment 3 was designated "post Milestone B". The Milestone B for the original WIN-T program occurred in July 2003.

Performance

Performance Characteristics				
SAR Baseline Development Estimate	Current APB Development Objective/Threshold	Demonstrated Performance	Current Estimate	
Net Ready				
<p>The system must fully support execution of all operational activities identified in the applicable joint and system integrated architectures and the system must satisfy the technical requirements for Net-Centric military operations to include 1) DISR mandated GIG IT standards and profiles identified in the TV-1, 2) DISR mandated GIG KIPs: KIP 2 – Space to Terrestrial Interface, KIP 3 – JTF to Coalition, KIP 4 – JTF Component to JTF Headquarters, KIP 5 – STEP and Teleport, and KIP 7 – DISN Service Delivery Point 3) NCOW RM Enterprise Services 4) Information assurance requirements including availability, integrity, authentication, confidentiality, and nonrepudiation, and issuance of an ATO by the DAA, and 5) Operationally effective information exchanges; and mission critical performance and information</p>	<p>The system must fully support execution of all operational activities identified in the applicable joint and system integrated architectures and the system must satisfy the technical requirements for Net-Centric military operations to include 1) DISR mandated GIG IT standards and profiles identified in the TV-1, 2) DISR mandated GIG KIPs: KIP 2 – Space to Terrestrial Interface, KIP 3 – JTF to Coalition, KIP4 – JTF Component to JTF Headquarters, KIP 5 – STEP and Teleport, and KIP 7 – DISN Service Delivery Point 3) NCOW RM Enterprise Services 4) Information assurance requirements including availability, integrity, authentication, confidentiality, and nonrepudiation, and issuance of an ATO by the DAA, and 5) Operationally effective information exchanges; and mission critical performance and information assurance attributes, data correctness, data availability, and consistent data processing specified in the applicable joint and</p>	<p>The system must fully support execution of joint critical operational activities identified in the applicable joint and system integrated architectures and the system must satisfy the technical requirements for transition to Net-Centric military operations to include 1) DISR mandated GIG IT standards and profiles identified in the TV-1, 2) DISR mandated GIG KIPs : KIP 2 – Space to Terrestrial Interface, KIP 3 – JTF to Coalition, KIP4 – JTF Component to JTF Headquarters, KIP 5 – STEP and Teleport, and KIP 7 – DISN Service Delivery Point, 3) NCOW RM Enterprise Services 4) Information assurance requirements including availability, integrity, authentication, confidentiality, and nonrepudiation, and issuance of an IATO by the DAA, and 5) Operationally effective information exchanges; and mission critical performance and information assurance attributes, data correctness, data availability, and consistent data processing specified in</p>	<p>TBD</p>	<p>The system must fully support execution of all operational activities identified in the applicable joint and system integrated architectures and the system must satisfy the technical requirements for Net-Centric military operations to include 1) DISR mandated GIG IT standards and profiles identified in the TV-1, 2) DISR mandated GIG KIPs: KIP 2 – Space to Terrestrial Interface, KIP 3 – JTF to Coalition, KIP4 – JTF Component to JTF Headquarters, KIP 5 – STEP and Teleport, and KIP 7 – DISN Service Delivery Point 3) NCOW RM Enterprise Services 4) Information assurance requirements including availability, integrity, authentication, confidentiality, and nonrepudiation, and issuance of an ATO by the DAA, and 5) Operationally effective information exchanges; and mission critical performance and information assurance attributes, data correctness, data availability, and consistent data processing specified in the applicable joint and</p>

assurance attributes, data correctness, data availability, and consistent data processing specified in the applicable joint and system integrated architecture views.	system integrated architecture views.	the applicable joint and system integrated architecture views.		system integrated architecture views.
Network Management: WIN-T will enable the G6/S6 to implement the commander's priorities by providing the capability and tools to plan, monitor, control, prioritize and visually display (e.g., current network status and connectivity) the various networking components for networks that connect secret and unclass users from a location at the Corps, Division, and Brigade in the AOR (Threshold) and for a location outside the AOR (Objective)				
Outside of the AOR.	Outside of the AOR.	At the Corps, Division and Brigade in the AOR.	TBD	Outside of the AOR.
Information Dissemination Category 1/Category 2				
Critical survival information (Category 1) delivery in less than or equal to 0.5 seconds and time sensitive information (Category 2) in less than 1 seconds.	Critical survival information (Category 1) delivery in less than or equal to 0.5 sec. and time sensitive information (Category 2) in less than 1 sec.	Critical survival information (Category 1) delivery in less than or equal to 5 sec. and time sensitive information (Category 2) in 8 sec.	TBD	Critical survival information (Category 1) delivery in less than or equal to 0.5 sec. and time sensitive information (Category 2) in less than 1 sec.
Force Protection				
Armor required to protect personnel operating WIN-T vehicles employed at BCT, Fires, AVN, BfSB, and select force pooled assets operating within the Division battlespace. WIN-T components at Brigade and below require armor kits for protection of passengers and crew from small arms fire, mines, IED and other anti-vehicle/personnel threats.	Armor required to protect personnel operating WIN-T vehicles employed at BCT, Fires, AVN, BfSB, and select force pooled assets operating within the Division battlespace. WIN-T components at Brigade and below require armor kits for protection of passengers and crew from small arms fire, mines, IED and other anti-vehicle/personnel threats.	Armor required to protect personnel operating WIN-T vehicles employed at BCT, Fires, AVN, BfSB, and select force pooled assets operating within the Division battlespace. WIN-T components at Brigade and below require armor kits for protection of passengers and crew from small arms fire, mines, IED and other anti-vehicle/personnel threats.	TBD	Armor required to protect personnel operating WIN-T vehicles employed at BCT, Fires, AVN, BfSB, and select force pooled assets operating within the Division battlespace. WIN-T components at Brigade and below require armor kits for protection of passengers and crew from small arms fire, mines, IED and other anti-vehicle/personnel threats.
Mobile Throughput: Traveling Speed (mph) with Bps throughout (ground speed)				
Modular Force Ground vehicles: from 0 to 45 miles per hour with 4 Mbps per link available for user	Modular Force Ground vehicles: from 0 to 45 miles per hour with 4 Mbps per link available for user data. FCS BCT	Modular Force Ground vehicles: from 0 to 25 miles per hour with 256 Kbps per link available for user data. FCS BCT	TBD	Modular Force Ground vehicles: from 0 to 45 miles per hour with 4 Mbps per link available for user data. FCS BCT

data. FCS BCT Ground Vehicles: from 0 to 72 kilometers per hour with 4 Mbps per link available for user data.	Ground Vehicles: from 0 to 72 kilometers per hour with 4 Mbps per link available for user data.	Ground Vehicles: from 0 to 45 kilometers per hour with 256 Kbps per link available for user data.	Ground Vehicles: from 0 to 72 kilometers per hour with 4 Mbps per link available for user data.
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Requirements Reference

Capability Development Document (CDD) for Warfighter Information Network – Tactical (WIN-T), approved November 6, 2006 and revalidated by the Joint Requirements Oversight Council (JROC) in May 2007.

Change Explanations

None

Notes

Performance characteristics are documented in the Capability Development Document (CDD) approved November 6, 2006 and revalidated in May 2007.

Key Performance Parameters (KPPs) are ordered per the CDD.

The WIN-T CDD does not include the Sustainment KPP for Materiel Availability and the associated Key System Attributes (KSAs). Per CJCSI 3170.01G dated March 1, 2009, it will not be applied as a mandatory KPP in the WIN-T Increment 3 Capabilities Production Document (CPD) for MS C because it was not included in the CDD. WIN-T Increment 3 will identify the associated sustainment metrics for the system based on expected performance of the system that will go into production.

Acronyms and Abbreviations

AOR - Area of Responsibility
ATO - Approval to Operate
AVN - Aviation
BCT - Brigade Combat Team
BfSB - Battlefield Surveillance Brigades
Bps - Bits per second
DAA - Designated Approval Authority
DISN - Defense Information Systems Network
DISR - Department of Defense IT Standards Registry
FCS - Future Combat Systems
GIG - Global Information Grid
IATO - Interim Approval to Operate
IED - Improvised Explosive Devices
IT - Information Technology
JTF - Joint Task Force
Kbps - Kilobits per second
KIP - Key Interface Profile
Mbps - Megabits per second
mph - Miles per hour
NCOW - Net Centric Operations and Warfare
RM - Reference Model
sec - seconds
STEP - Standardized Tactical Entry Point
TV - Technical View

Track to Budget

RDT&E

Appn	BA	PE
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Army 2040 04 0603782A

Project	Name
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372 WIN-T INCREMENT 3 - FULL NETWORKING ON THE MOVE

Army 2040 04 06033782A

Project	Name
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355 WIN-TACTICAL DEM/VAL (Shared) (Sunk)

Notes: Sunk in 2008

Notes

Project 372 begins in FY2009 for WIN-T Increment 3. Prior to FY2009 WIN-T Increment 3 shared Project 355 with WIN-T Increment 2.

Project 355 was a shared line for both WIN-T Increment 2 and WIN-T Increment 3 prior to FY2009. Project 372 begins in FY2009 for WIN-T Increment 3 exclusively.

Procurement

Appn	BA	PE
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Army 2035 02

Line Item	Name
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7120 INCREMENT 3 - FULL NETWORKING ON THE MOVE

Cost and Funding

Cost Summary

Total Acquisition Cost							
Appropriation	BY 2009 \$M			BY 2009 \$M	TY \$M		
	SAR Baseline Development Estimate	Current APB Development Objective/Threshold		Current Estimate	SAR Baseline Development Estimate	Current APB Development Objective	Current Estimate
RDT&E	2595.5	2595.5	2984.8	2098.3	2656.5	2656.5	2159.2
Procurement	13212.4	13212.4	14533.6	11186.5	16156.7	16156.7	13804.5
Flyaway	--	--	--	7928.3	--	--	9659.0
Recurring	--	--	--	7908.1	--	--	9636.2
Non Recurring	--	--	--	20.2	--	--	22.8
Support	--	--	--	3258.2	--	--	4145.5
Other Support	--	--	--	2683.3	--	--	3417.8
Initial Spares	--	--	--	574.9	--	--	727.7
MILCON	0.0	0.0	--	0.0	0.0	0.0	0.0
Acq O&M	0.0	0.0	--	0.0	0.0	0.0	0.0
Total	15807.9	15807.9	N/A	13284.8	18813.2	18813.2	15963.7

Cost Notes

The original WIN-T program underwent a Nunn-McCurdy certification process as documented in the December 2006 Selected Acquisition Report (SAR). The resulting Acquisition Decision Memorandum of June 5, 2007 restructured the WIN-T program into four increments. The costs for WIN-T Increment 3 reflect all sunk costs associated with the original WIN-T program as well as the costs to implement this individual increment.

Technology development prior to Nunn-McCurdy certification that is now identified as WIN-T Increment 2 functionality appears as sunk costs in WIN-T Increment 3. WIN-T Increment 3 mature technologies will be provided to WIN-T Increment 2. All of the funds required for these technology inserts are included in WIN-T Increment 3 and reflected in the costs in this report.

The WIN-T Increment 3 cost is estimated and funded to the 50 percent confidence level. The program is considered a low risk program at this point in its acquisition life cycle. Following the Milestone C review, the program will enter Low Rate Initial Production using a firm fixed price indefinite delivery/indefinite quantity contract with prices that are effective for the first three years of production. In addition, many of the components of the WIN-T system are commercial off the shelf items which will assist in keeping the prices of the items stable even after this initial contract period. The variability of funding and thus changes in procurement quantity is the only identifiable risk.

Total Quantity			
Quantity	SAR Baseline Development Estimate	Current APB Development	Current Estimate
RDT&E	39	39	39
Procurement	3443	3443	3168
Total	3482	3482	3207

Quantity Notes

The unit of measure is a communications node which varies in capability depending upon the increment of WIN-T being executed. The WIN-T Increment 3 unit of measure is comprised of Tactical Communications Nodes (TCNs), Points of Presence (PoPs) and Soldier Network Extensions (SNEs). The sum of these three items equates to the total number of communications nodes to be procured for WIN-T Increment 3.

Cost and Funding

Funding Summary

Appropriation Summary									
FY 2011 President's Budget / December 2009 SAR (TY\$ M)									
Appropriation	Prior	FY 2010	FY 2011	FY 2012	FY 2013	FY 2014	FY 2015	To Complete	Total
RDT&E	947.5	146.6	173.5	172.5	84.0	163.4	206.4	265.3	2159.2
Procurement	0.0	0.0	0.0	31.0	163.1	394.2	399.7	12816.5	13804.5
MILCON	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Acq O&M	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
PB 2011 Total	947.5	146.6	173.5	203.5	247.1	557.6	606.1	13081.8	15963.7
	--	--	--	--	--	--	--	--	--

Quantity Summary										
FY 2011 President's Budget / December 2009 SAR (TY\$ M)										
Quantity	Undistributed	Prior	FY 2010	FY 2011	FY 2012	FY 2013	FY 2014	FY 2015	To Complete	Total
Development	39	0	0	0	0	0	0	0	0	39
Production	0	0	0	0	6	6	84	95	2977	3168
PB 2011 Total	39	0	0	0	6	6	84	95	2977	3207
	--	--	--	--	--	--	--	--	--	--

Cost and Funding

Annual Funding By Appropriation

Annual Funding							
2040 RDT&E Research, Development, Test, and Evaluation, Army							
Fiscal Year	Quantity	TY \$M					
		End Item Recurring Flyaway	Non End Item Recurring Flyaway	Non Recurring Flyaway	Total Flyaway	Total Support	Total Program
2002	--	--	--	--	--	--	12.1
2003	--	--	--	--	--	--	48.8
2004	--	--	--	--	--	--	87.7
2005	--	--	--	--	--	--	95.1
2006	--	--	--	--	--	--	92.0
2007	--	--	--	--	--	--	119.3
2008	--	--	--	--	--	--	191.7
2009	--	--	--	--	--	--	300.8
2010	--	--	--	--	--	--	146.6
2011	--	--	--	--	--	--	173.5
2012	--	--	--	--	--	--	172.5
2013	--	--	--	--	--	--	84.0
2014	--	--	--	--	--	--	163.4
2015	--	--	--	--	--	--	206.4
2016	--	--	--	--	--	--	169.8
2017	--	--	--	--	--	--	95.5
Subtotal	39	--	--	--	--	--	2159.2

Annual Funding 2040 RDT&E Research, Development, Test, and Evaluation, Army							
Fiscal Year	Quantity	BY 2009 \$M					
		End Item Recurring Flyaway	Non End Item Recurring Flyaway	Non Recurring Flyaway	Total Flyaway	Total Support	Total Program
2002	--	--	--	--	--	--	14.0
2003	--	--	--	--	--	--	55.2
2004	--	--	--	--	--	--	96.9
2005	--	--	--	--	--	--	102.2
2006	--	--	--	--	--	--	96.2
2007	--	--	--	--	--	--	121.8
2008	--	--	--	--	--	--	192.1
2009	--	--	--	--	--	--	297.8
2010	--	--	--	--	--	--	143.6
2011	--	--	--	--	--	--	167.2
2012	--	--	--	--	--	--	163.5
2013	--	--	--	--	--	--	78.3
2014	--	--	--	--	--	--	149.8
2015	--	--	--	--	--	--	186.0
2016	--	--	--	--	--	--	150.5
2017	--	--	--	--	--	--	83.2
Subtotal	39	--	--	--	--	--	2098.3

Annual Funding 2035 Procurement Other Procurement, Army							
Fiscal Year	Quantity	TY \$M					
		End Item Recurring Flyaway	Non End Item Recurring Flyaway	Non Recurring Flyaway	Total Flyaway	Total Support	Total Program
2012	6	31.0	--	--	31.0	--	31.0
2013	6	143.4	--	--	143.4	19.7	163.1
2014	84	355.4	--	3.9	359.3	34.9	394.2
2015	95	348.9	--	6.3	355.2	44.5	399.7
2016	148	446.7	--	2.1	448.8	89.9	538.7
2017	143	524.9	--	10.5	535.4	108.8	644.2
2018	250	787.9	--	--	787.9	135.9	923.8
2019	258	995.6	--	--	995.6	187.8	1183.4
2020	261	1014.2	--	--	1014.2	285.3	1299.5
2021	429	1084.9	--	--	1084.9	385.5	1470.4
2022	482	1079.0	--	--	1079.0	407.5	1486.5
2023	383	1047.7	--	--	1047.7	431.3	1479.0
2024	374	962.8	--	--	962.8	430.3	1393.1
2025	249	813.8	--	--	813.8	506.3	1320.1
2026	--	--	--	--	--	542.7	542.7
2027	--	--	--	--	--	535.1	535.1
Subtotal	3168	9636.2	--	22.8	9659.0	4145.5	13804.5

Annual Funding								
2035 Procurement Other Procurement, Army								
Fiscal Year	Quantity	BY 2009 \$M						
		End Item Recurring Flyaway	Non End Item Recurring Flyaway	Non Recurring Flyaway	Total Flyaway	Total Support	Total Program	
2012	6	29.2	--	--	29.2	--	29.2	
2013	6	133.0	--	--	133.0	18.3	151.3	
2014	84	324.1	--	3.6	327.7	31.8	359.5	
2015	95	312.8	--	5.6	318.4	40.0	358.4	
2016	148	393.8	--	1.9	395.7	79.2	474.9	
2017	143	455.0	--	9.1	464.1	94.4	558.5	
2018	250	671.6	--	--	671.6	115.9	787.5	
2019	258	834.5	--	--	834.5	157.4	991.9	
2020	261	835.9	--	--	835.9	235.1	1071.0	
2021	429	879.2	--	--	879.2	312.4	1191.6	
2022	482	859.8	--	--	859.8	324.7	1184.5	
2023	383	820.9	--	--	820.9	337.9	1158.8	
2024	374	741.8	--	--	741.8	331.5	1073.3	
2025	249	616.5	--	--	616.5	383.5	1000.0	
2026	--	--	--	--	--	404.2	404.2	
2027	--	--	--	--	--	391.9	391.9	
Subtotal	3168	7908.1	--	20.2	7928.3	3258.2	11186.5	

Low Rate Initial Production

WIN-T Increment 3 will have a three year LRIP phase with quantities totalling 448 communications nodes. This is approximately 14% of the total Army Procurement Objective (APO) of 3102. The LRIP units will be procured over three years. The first year will provide units to support Production Qualification Testing (PQT) and Initial Operational Test (IOT). The second and third years support production ramp up and fielding.

Foreign Military Sales

None

Nuclear Costs

None

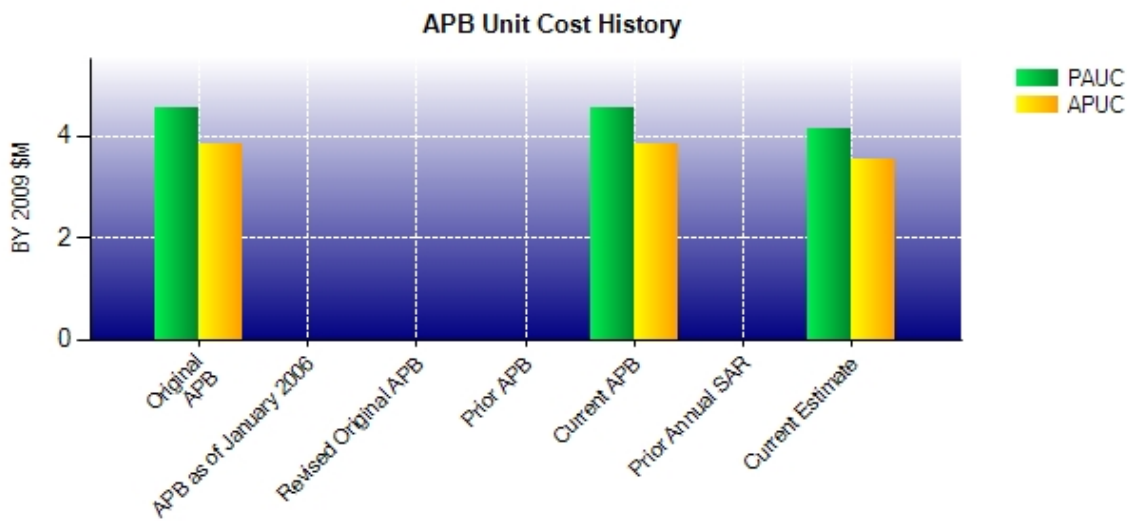
Unit Cost

Unit Cost Report

Item	BY 2009 \$M	BY 2009 \$M	% Change
	Current UCR Baseline (May 2009 APB)	Current Estimate (Dec 2009 SAR)	
Program Acquisition Unit Cost			
Cost	15807.9	13284.8	
Quantity	3482	3207	
Item	4.540	4.142	-8.77
Average Procurement Unit Cost			
Cost	13212.4	11186.5	
Quantity	3443	3168	
Unit Cost	3.837	3.531	-7.97

Item	BY 2009 \$M	BY 2009 \$M	% Change
	Original UCR Baseline (May 2009 APB)	Current Estimate (Dec 2009 SAR)	
Program Acquisition Unit Cost			
Cost	15807.9	13284.8	
Quantity	3482	3207	
Unit Cost	4.540	4.142	-8.77
Average Procurement Unit Cost			
Cost	13212.4	11186.5	
Quantity	3443	3168	
Unit Cost	3.837	3.531	-7.97

Unit Cost History



Item	Date	BY 2009 \$M		TY \$M	
		PAUC	APUC	PAUC	APUC
Original APB	May 2009	4.540	3.837	5.403	4.693
APB as of January 2006	N/A	N/A	N/A	N/A	N/A
Revised Original APB	N/A	N/A	N/A	N/A	N/A
Prior APB	N/A	N/A	N/A	N/A	N/A
Current APB	May 2009	4.540	3.837	5.403	4.693
Prior Annual SAR	N/A	N/A	N/A	N/A	N/A
Current Estimate	Dec 2009	4.142	3.531	4.978	4.357

SAR Unit Cost History

Current SAR Baseline to Current Estimate (TY \$M)									
Initial PAUC Development Estimate	Changes								PAUC Current Estimate
	Econ	Qty	Sch	Eng	Est	Oth	Spt	Total	
5.403	-0.078	0.227	0.107	-0.641	-0.084	0.000	0.042	-0.427	4.978

Current SAR Baseline to Current Estimate (TY \$M)									
Initial APUC Development Estimate	Changes								APUC Current Estimate
	Econ	Qty	Sch	Eng	Est	Oth	Spt	Total	
4.693	-0.076	0.167	0.109	-0.494	-0.086	0.000	0.043	-0.337	4.357

SAR Baseline History				
Item	SAR Planning Estimate	SAR Development Estimate	SAR Production Estimate	Current Estimate
Milestone A	N/A	N/A	N/A	N/A
Milestone B	N/A	Jul 2003	N/A	Jul 2003
Milestone C	N/A	May 2013	N/A	May 2016
IOC	N/A	Apr 2017	N/A	Jun 2019
Total Cost (TY \$M)	N/A	18813.2	N/A	15963.7
Total Quantity	N/A	3482	N/A	3207
PAUC	N/A	5.403	N/A	4.978

Cost Variance

Summary TY \$M				
Item	RDT&E	Procurement	MILCON	Total
SAR Baseline (Development Estimate)	2656.5	16156.7	--	18813.2
Previous Changes				
Economic	--	--	--	--
Quantity	--	--	--	--
Schedule	--	--	--	--
Engineering	--	--	--	--
Estimating	--	--	--	--
Other	--	--	--	--
Support	--	--	--	--
Subtotal	--	--	--	--
Current Changes				
Economic	-7.9	-211.5	--	-219.4
Quantity	--	-761.0	--	-761.0
Schedule	--	+338.1	--	+338.1
Engineering	-491.2	-1565.5	--	-2056.7
Estimating	+1.8	-271.6	--	-269.8
Other	--	--	--	--
Support	--	+119.3	--	+119.3
Subtotal	-497.3	-2352.2	--	-2849.5
Total Changes	-497.3	-2352.2	--	-2849.5
Current Estimate	2159.2	13804.5	--	15963.7

Summary BY 2009 \$M				
Item	RDT&E	Procurement	MILCON	Total
SAR Baseline (Development Estimate)	2595.5	13212.4	--	15807.9
Previous Changes				
Economic	--	--	--	--
Quantity	--	--	--	--
Schedule	--	--	--	--
Engineering	--	--	--	--
Estimating	--	--	--	--
Other	--	--	--	--
Support	--	--	--	--
Subtotal	--	--	--	--
Current Changes				
Economic	--	--	--	--
Quantity	--	-596.5	--	-596.5
Schedule	--	--	--	--
Engineering	-499.0	-1242.2	--	-1741.2
Estimating	+1.8	-221.4	--	-219.6
Other	--	--	--	--
Support	--	+34.2	--	+34.2
Subtotal	-497.2	-2025.9	--	-2523.1
Total Changes	-497.2	-2025.9	--	-2523.1
Current Estimate	2098.3	11186.5	--	13284.8

Initial SAR - Above variances (if any) reflect changes since the SAR Baseline/APB.

SAR Baseline Reference: Defense Acquisition Executive (DAE) Approved Acquisition Program Baseline (APB) dated May 18, 2009

RDT&E	\$M	
Current Change Explanations	Base Year	Then Year
Revised escalation indices. (Economic)	N/A	-7.9
Adjustment for current and prior escalation. (Estimating)	+1.8	+1.8
Elimination of Future Combat Systems Manned Ground Vehicles, liquid cooled radio, and Class IV Unmanned Aerial Vehicles (UAV) from system. (Engineering)	-499.0	-491.2
RDT&E Subtotal	-497.2	-497.3

Procurement	\$M	
Current Change Explanations	Base Year	Then Year
Revised escalation indices. (Economic)	N/A	-211.5
Quantity variance resulting from a decrease of 275 communications nodes from 3443 to 3168. (Quantity)	-596.5	-761.0
Stretch-out of procurement buy profile from FY2013-FY2023 to FY2012-FY2025. (Schedule)	0.0	+338.1
Increase in Government System Engineering/Program Management (SE/PM) due to extension of procurement schedule by two years, from FY2023 to FY2025. (Estimating)	+39.2	+57.3
Reduction in Engineering Changes anticipated due to better definition of system. (Estimating)	-260.6	-328.9
Reduction in production cost due to implementation of Cost as an Independent Variable (CAIV) trades eliminating redundancy across CI's and substituting less expensive technology. (Engineering)	-1242.2	-1565.5
Change in Other Support due to decrease in software maintenance cost estimate and increase in expected unit fielding costs. (Support)	+128.0	+218.6
Decrease in Initial Spares due to decrease in quantities and decrease in system hardware cost as a result of implementing CAIV trades. (Support)	-93.8	-99.3
Procurement Subtotal	-2025.9	-2352.2

Contracts

There are no Contracts data to display.

Deliveries and Expenditures

Deliveries				
Delivered to Date	Planned to Date	Actual to Date	Total Quantity	Percent Delivered
Development	0	0	39	0.00%
Production	0	0	3168	0.00%
Total Program Quantity Delivered	0	0	3207	0.00%

Expended and Appropriated (TY \$M)			
Total Acquisition Cost	15963.7	Years Appropriated	9
Expended to Date	829.1	Percent Years Appropriated	34.62%
Percent Expended	5.19%	Appropriated to Date	1094.1
Total Funding Years	26	Percent Appropriated	6.85%

Total expenditures to date reflects actual disbursements through December 30, 2009.

Operating and Support Cost

Assumptions and Ground Rules

1. Operating and support costs based on the Program Office Estimate dated January 2010.
2. Costs estimated in accordance with Department of the Army Cost Analysis Manual, Deputy Assistant Secretary of the Army, US Army Cost and Economic Analysis Center, May 2002.
3. Operating and support cost factors taken from Operating and Support Management Information System.
4. The figures below are per the Office of the Secretary of Defense (OSD) Operating and Support (O&S) cost structure.
5. Mission Pay and Allowance costs are the total Military Personnel costs.
6. Mission Pay and Allowance estimates based on WIN-T manpower estimates included in the WIN-T Increment 3 Cost Analysis Requirements Description (CARD) dated December 22, 2009.
7. Intermediate Maintenance costs reflect the OSD cost element Maintenance Costs and includes Depot Maintenance and Contractor Support.
8. Estimated costs based on Operating Tempo approved by the Army's Training and Doctrine Command.
9. Other costs reflect the OSD defined Continuing Improvement cost total.
10. Costs based on two-level maintenance concept.
11. System life is estimated at 20 years.
12. Operating and support costs reflect the total average annual cost per WIN-T Increment 3 communications node. Multiplying the total average annual cost by 20 years and by 3102 communications nodes will achieve the total costs shown below.
13. There is no antecedent program to this system.

Cost Estimate Reference:

None

Sustainment Strategy:

None

Antecedent Information:

None

Unitized O&S Costs BY2009 \$K		
Cost Element	WIN-T Increment 3 Average Annual Cost Per Communications Node	No Antecedent (Antecedent)
Mission Pay & Allowance	166.300	--
Unit Level Consumption	4.900	--
Intermediate Maintenance	69.300	--
Depot Maintenance	0.000	--
Contractor Support	0.000	--
Sustaining Support	14.200	--
Indirect	0.000	--
Other	53.300	--
Total	308.000	--

Unitized Cost Comments:

None

Item	Total O&S Cost \$M			
	WIN-T Increment 3			No Antecedent (Antecedent)
	Current Development APB Objective/Threshold		Current Estimate	
Base Year	22349.2	24584.1	19114.2	N/A
Then Year	38324.9	N/A	32597.2	N/A

Total O&S Cost Comment

None

Disposal Estimate Details

Date of Estimate:

Source of Estimate:

Disposal/Demilitarization Total Cost (BY 2009 \$M):