

ARMY RDT&E BUDGET ITEM JUSTIFICATION (R-2 Exhibit)

February 2002

BUDGET ACTIVITY 4 - Demonstration/validation	PE NUMBER AND TITLE 0603782A - WARFIGHTER INFORMATION NETWORK-TACTICAL - DEM/VAL	PROJECT 355
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COST (In Thousands)	FY 2001 Actual	FY 2002 Estimate	FY 2003 Estimate	FY 2004 Estimate	FY 2005 Estimate	FY 2006 Estimate	FY 2007 Estimate	Cost to Complete	Total Cost
355 WIN-TACTICAL - DEM/VAL	0	12464	60809	43911	20202	15137	21045	0	173568

A. Mission Description and Budget Item Justification: Warfighter Information Network-Tactical (WIN-T) is the Objective Force communications system for reliable, secure, and seamless video, data, imagery, and voice services that enables decisive combat actions. WIN-T is the Army's portion of the Global Information Grid (GIG) and will interoperate with all systems on the GIG. The WIN-T network will integrate communications platforms and fuses systems together through a standard communications infrastructure for all tactical Command, Control, Communications, and Computers, Intelligence, Surveillance, and Reconnaissance (C4ISR) systems. WIN-T provides a seamless secure architecture that increases global connectivity, significantly reduces the footprint and signal force structure, moves soldiers off hilltops and provides increased data capacity and supports Mobile Battle Command Operations and situational awareness. WIN-T will be modular in design, scaleable to users' requirements, and capable of adapting to the evolution of the Warfighter through task reorganization. WIN-T will be a bandwidth and spectrum-efficient, Joint Technical Architecture-Army (JTA-A) compliant, commercial standards-based network. Key elements of WIN-T include Switching/Routing, Transmission, Network Management, Information Assurance and subscriber services.

This system supports the Legacy to Objective transition path of the Transformation Campaign Plan (TCP).

FY 2001 Accomplishments:

No activity.

FY 2002 Planned Program

- 2950 Initiate efforts with NSA/Army Signal Center (SIGCEN)/JCSE to develop products to support the WIN-T program.
- 1591 Prepare/coordinate Request For Proposal (RFP), and Milestone B Decision Documentation, and perform program support and management efforts.
- 775 Conduct Source Selection Evaluation Board (SSEB) for dual System Integration/Demonstration contract awards to assess/develop WIN-Tactical Architecture.
- 7048 Initiate assessment/development of WIN-Tactical architecture.
- 100 Initiate Early User Test & Experimentation (EUT&E) activities

Total 12464

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FY 2003 Planned Program

- 49798 Continue analysis/development of WIN-Tactical Architecture to include modeling & simulation, and demonstrations.
- 6342 Continue to initiate efforts with NSA/SIGCEN/JCSE to develop products to support the WIN-T program.
- 3296 Prepare/coordinate Request For Proposal and Milestone C Decision documentation, and perform program support and management efforts.
- 1373 Early User Test & Experimentation (EUT&E)

Total 60809

<u>B. Program Change Summary</u>	FY 2001	FY 2002	FY 2003
Previous President's Budget (FY2002 PB)	0	15075	26152
Appropriated Value	0	12575	0
Adjustments to Appropriated Value	0	0	0
a. Congressional General Reductions	0	-111	0
b. SBIR/STTR	0	0	0
c. Omnibus or Other Above Threshold Reductions	0	0	0
d. Below Threshold Reprogramming	0	0	0
e. Rescissions	0	0	0
Adjustments to Budget Years Since FY2002 PB	0	0	34657
Current Budget Submit (FY 2003 PB)	0	12464	60809

Change Summary Explanation:
 FY02 funding reduced by Congressional action (-\$2.5M).
 FY03 program increased to fully fund System Integration and Demonstration (SID) efforts (+\$34.657M).

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<u>C. Other Program Funding Summary</u>	FY 2001	FY 2002	FY 2003	FY 2004	FY 2005	FY 2006	FY 2007	To Compl	Total Cost
B79100 - WIN-Tactical Program (Other Procurement, Army)	0	0	0	0	103321	157507	108345	Continue	Continue

D. Acquisition Strategy: The proposed WIN-Tactical program consists of two separate, but linked contracts. First includes awarding dual System Integration & Demonstration (SID) contracts. The SID contracts will consist of a nominal 27 month effort with two (2) competitively selected contractors. WIN-Tactical System architecture will be defined, modeling and simulations will assess performance, and technology risks will be measured and assessed at the Early User Test and Evaluation (EUT&E). This data will support the government's decision to enter Low Rate Initial Production (LRIP). The government plans to award a linked follow-on contract for LRIP and Full Rate Production (FRP). The contractor will deliver performance specifications and technical documentation which will define the performance baseline for LRIP equipment in response to the LRIP Request for Proposal (RFP). LRIP will provide for the procurement of unit sets, and includes unit set fielding and training, as well as enhancements and will support Force Development Test and Experiment (FDT&E) and Initial Operational Test and Experimentation (IOT&E). Upon successful completion of the LRIP, Full Rate Production will be awarded to the LRIP contractor.

<u>E. Schedule Profile</u>	FY 2001	FY 2002	FY 2003	FY 2004	FY 2005	FY 2006	FY 2007
Acquisition Strategy approved		2Q					
Develop System Integration & Deomonstration (SID) Request for Proposal (RFP)		1-2Q					
RFP Release SID		2Q					
Conduct Source Selection and Evaluation Board (SSEB) for SID Contract		2-3Q					
Milestone B decision		3Q					
SID Contract		3-4Q	1-4Q	1-4Q			
IPR			3Q				
Develop RFP Documentation for LRIP			4Q	1-3Q			
Early User Test & Experimentation (EUT&E)				2Q			

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<u>E. Schedule Profile (continued)</u>	FY 2001	FY 2002	FY 2003	FY 2004	FY 2005	FY 2006	FY 2007
LRIP RFP Release				3Q			
Conduct SSEB for LRIP Contract				4Q			
Milestone C decision				4Q			
LRIP/FRP					1-4Q	1-4Q	1-4Q
Production Verification Test						2-3Q	
New Equipment Training						4Q	1Q
Force Development Test & Experimentation (FDT&E)							1Q
Initial Operational Test and Evaluation (IOT&E)							2Q
First Unit Equipped (FUE)							3Q

ARMY RDT&E COST ANALYSIS(R-3)

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I. Product Development	Contract Method & Type	Performing Activity & Location	Total PYs Cost	FY 2001 Cost	FY 2001 Award Date	FY 2002 Cost	FY 2002 Award Date	FY 2003 Cost	FY 2003 Award Date	Cost To Complete	Total Cost	Target Value of Contract
a . SID (System Integration & Demo)	CPIFF	TBD	0	0		7048	3-4Q	49798	1-4Q	Continue	56846	Continue
Subtotal:			0	0		7048		49798		Continue	56846	Continue

II. Support Cost	Contract Method & Type	Performing Activity & Location	Total PYs Cost	FY 2001 Cost	FY 2001 Award Date	FY 2002 Cost	FY 2002 Award Date	FY 2003 Cost	FY 2003 Award Date	Cost To Complete	Total Cost	Target Value of Contract
a . WIN-Tactical Architecture Studies	MIPRs	MISC	0	0		2950	1Q	6342	1Q	Continue	9292	Continue
Subtotal:			0	0		2950		6342		Continue	9292	Continue

Remarks: Support costs include: Initiate efforts with NSA/SIGCEN/JCSE to develop products to support the WIN-T program..
MIPR - Military Interdepartmental Purchase Request
CPIFF - Cost Plus Fixed Fee

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III. Test and Evaluation	Contract Method & Type	Performing Activity & Location	Total PYs Cost	FY 2001 Cost	FY 2001 Award Date	FY 2002 Cost	FY 2002 Award Date	FY 2003 Cost	FY 2003 Award Date	Cost To Complete	Total Cost	Target Value of Contract
a . EUT&E	MIPRs	AEC	0	0		100		1373	2Q	Continue	1473	Continue
Subtotal:			0	0		100		1373		Continue	1473	Continue

IV. Management Services	Contract Method & Type	Performing Activity & Location	Total PYs Cost	FY 2001 Cost	FY 2001 Award Date	FY 2002 Cost	FY 2002 Award Date	FY 2003 Cost	FY 2003 Award Date	Cost To Complete	Total Cost	Target Value of Contract
a . Documentation Preparation & PM Support	MIPRs	MISC	0	0		1591	1-4Q	3296	1-4Q	Continue	4887	Continue
b . SID Source Selection Evaluation Board	MIPRs	MISC	0	0		775	2-3Q	0		Continue	Continue	Continue
Subtotal:			0	0		2366		3296		Continue	Continue	Continue

Project Total Cost:			0	0		12464		60809		Continue	Continue	Continue
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