

ARMY RDT&E BUDGET ITEM JUSTIFICATION (R-2 Exhibit)								June 2001		
BUDGET ACTIVITY 4 - DEM/VAL				PE NUMBER AND TITLE 0603782A - WARFIGHTER INFORMATION NETWORK-TACTICAL - DEM/VAL				PROJECT 355		
COST (In Thousands)	FY 2000 Actual	FY 2001 Estimate	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	0	15075	0	0	0	0	0	0	0
<p><u>A. Mission Description and Budget Item Justification:</u></p> <p><u>PLEASE NOTE:</u> This administration has not addressed FY2003-2007 requirements. All FY 2003-2007 budget estimates included in this book are notional only and subject to change.</p> <p>The Warfighter Information Network-Tactical (WIN-T) is the Army's "New Start" tactical digital communications system. WIN-Tactical will provide advanced commercial-based networking capability to the Warfighter, and extends from the Theater to Maneuver Battalion. It also replaces the current Army Mobile Subscriber Equipment (MSE) and Tri-Services Tactical Communications (TRI-TAC) systems. The WIN-Tactical system enables Command, Control, Communications, Computers, Intelligence, Surveillance, and Reconnaissance (C4ISR) capabilities that are mobile, secure, survivable, seamless, and multimedia based. WIN-Tactical 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. The WIN-Tactical supports Command and Control On-the-Move (C2OTM) Operations, and enhances situational awareness, and is Joint Tactical Architecture (JTA) compliant. WIN-Tactical will allow Army commanders, and other communications network users at all echelons, to exchange information internal and external to the theater, from wired or wireless telephones, computers (internet like capability), video terminals and other multi-media devices. Key elements of WIN-Tactical include Switching/Routing, Transmission, Network Management, Information Assurance, and subscriber services.</p> <p>WIN-Tactical is a "New Start" program beginning with the System Integration in FY 2002.</p> <p>"This system supports the Legacy to Objective transition path of the Transformation Campaign Plan (TCP)."</p> <p><u>FY 2000 Accomplishments</u></p> <p style="padding-left: 40px;">Program Element funding begins in FY 2002.</p>										

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FY 2001 Planned Program

Program Element funding begins in FY 2002.

FY 2002 Planned Program

- 1100 Initiate WIN-Tactical Optimum Network (OPNET) Performance Modeling, Frequency Availability Analysis, and Protection Profile.
- 1475 Prepare/coordinate Request For Proposal (RFP), and Milestone B Decision Documentation, and perform program support and management efforts.
- 2500 Conduct Source Selection Evaluation Board (SSEB) for dual System Integration contract awards to assess/develop WIN-Tactical Architecture, which includes Program Management Support.
- 10000 Initiate assessment/development of WIN-Tactical architecture.

Total 15075

<u>B. Program Change Summary</u>	FY 2000	FY 2001	FY 2002	FY 2003
Previous President's Budget (FY2001 PB)	0	0	0	0
Appropriated Value	0	0	0	0
Adjustments to Appropriated Value	0	0	0	0
a. Congressional General Reductions	0	0	0	0
b. SBIR/STTR	0	0	0	0
c. Omnibus or Other Above Threshold Reductions	0	0	0	0
d. Below Threshold Reprogramming	0	0	0	0
e. Rescissions	0	0	0	0
Adjustments to Budget Years Since FY2001 PB	0	0	15075	0
Current Budget Submit (FY 2002/2003 PB)	0	0	15075	0

New Start program established since the FY01 President's Budget.

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C. Other Program Funding Summary	FY 2000	FY 2001	FY 2002	FY 2003	FY 2004	FY 2005	FY 2006	FY 2007	To Compl	Total Cost
OPA, SSN B79100 - Starts in FY 2008	0	0	0	0	0	0	0	0	0	0

D. Acquisition Strategy: The proposed WIN-Tactical program consists of three separate, but linked contracts/phases: Phase I - Includes awarding dual System Integration contracts, down selecting to a single contracting team for the System Demonstration Phase, followed by a Full Rate Production Contract. The System Integration contracts will consist of a nominal 16 month effort with two competitively selected contractors. WIN-Tactical System architecture will be defined, modeling and simulations will assess performance, and technology risks will be measured and assessed. In Phase II this data will support the Government's decision to enter System Demonstration and Production. The Government plans to award separate but linked follow-on contracts for System Demonstration and a Full Rate Production Contract. The System Demonstration contract will be competitively awarded to one of the two System Integration contractors. The System Demonstration award will consist of a nominal 27 month effort, including the manufacturing and delivery of test units to support the Development Test and Evaluation (DT&E) and Initial Operational Test and Evaluation (IOT&E) efforts. The contractor will deliver final performance specifications and technical documentation which will define the performance baseline for production hardware. Upon successful completion of the System Demonstration phase, Phase III will be implemented with a Full Rate Production Contract awarded to the System Demonstration contractor. The Production Contract, scheduled for FY 2008, will provide procurement funding for the purchase of unit sets, and includes unit set fielding and training, as well as enhancements.

E. Schedule Profile	FY 2000	FY 2001	FY 2002	FY 2003	FY 2004	FY 2005	FY 2006	FY 2007
Acquisition Strategy approved			1Q	0	0	0	0	0
Develop System Integration Request for Proposal (RFP)			1-2Q	0	0	0	0	0
RFP Release System Integration			2Q	0	0	0	0	0
Conduct Source Selection and Evaluation Board (SSEB) for System Integration Contract			2-3Q	0	0	0	0	0
Milestone B decision			3Q	0	0	0	0	0
System Integration Contract			3-4Q	0	0	0	0	0
Develop RFP Documentation for System Demonstration				0	0	0	0	0
Conduct SSEB for System Demonstration Contract				0	0	0	0	0
System Demonstration Contract				0	0	0	0	0
Development Test & Evaluation				0	0	0	0	0
New Equipment Training				0	0	0	0	0

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<u>E. Schedule Profile (continued)</u>	<u>FY 2000</u>	<u>FY 2001</u>	<u>FY 2002</u>	<u>FY 2003</u>	<u>FY 2004</u>	<u>FY 2005</u>	<u>FY 2006</u>	<u>FY 2007</u>
Initial Operational Test and Evaluation (IOT&E)				0	0	0	0	0
Milestone C decision				0	0	0	0	0

ARMY RDT&E COST ANALYSIS(R-3)										June 2001		
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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 . System Architecture	FFP	TBD	0	0		10000	3Q	0	0	0	0	0
Subtotal:			0	0		10000		0		0	0	0
Remarks: MIPR - Military Interdepartmental Purchase Request FFP - Firm Fixed Price												
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		1100	1Q	0	0	0	0	0
Subtotal:			0	0		1100		0		0	0	0
Remarks: Support costs include: Frequency Availability Analysis; OPNET; and Protection Profile Plan and related security requirements.												

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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
			0	0		0		0		0	0	0
Subtotal:												
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		1475	1-4Q	0	0	0	0	0
b . Source Selection Evaluation Board	MIPRs	MISC	0	0		2500	2Q	0	0	0	0	0
Subtotal:			0	0		3975		0		0	0	0
Remarks: Document preparation and PM Support includes government and contractual elements associated with the System Integration and System Demonstration Phases.												
Project Total Cost:			0	0		15075		0		0	0	0