

<b>ARMY RDT&amp;E BUDGET ITEM JUSTIFICATION (R2 Exhibit)</b>							<b>February 2005</b>			
BUDGET ACTIVITY <b>4 - Advanced Component Development and Prototypes</b>				PE NUMBER AND TITLE <b>0603 2A - WARFIGHTER INFORMATION NETWORK-TACTICAL - DEM/VAL</b>				PROJECT <b>355</b>		
COST (In Thousands)	FY 2004 Actual	FY 2005 Estimate	FY 2006 Estimate	FY 2007 Estimate	FY 2008 Estimate	FY 2009 Estimate	FY 2010 Estimate	FY 2011 Estimate	Cost to Complete	Total Cost
355      WIN-TACTICAL - DEM/VAL	77275	95321	131081	152490	142345	50932	17008	10241	0	725542
<p><b>A. Mission Description and Budget Item Justification:</b> Warfighter Information Network-Tactical (WIN-T) 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 with campaign quality. WIN-T will establish an environment in which commanders at all echelons will have the ability to operate with virtual staffs and analytical centers that are located at remote locations throughout the battlespace. As a key system supporting the Army's Current and Future Force, WIN-T meets the pressing need for efficient battlefield bandwidth utilization, optimal 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 both the Unit of Employment (UE) and Unit of Action (UA) areas of influence. The tactical infosphere will operate while mobile, via its robust networking, and be able to pass relevant information for system of systems combined arms capabilities in all terrain and under all environmental conditions. Future Combat Systems (FCS), Joint Tactical Radio System (JTRS), satellite terminals and other Department of Defense (DoD) Command, Control, Communications &amp; Computers, Intelligence (C4I) programs are relying on WIN-T for seamless integration into the DoD Global Information Grid (GIG). WIN-T will be optimized for offensive and joint operations, while providing the Theater Combatant the capability to plan, prepare, and execute multiple missions and tasks simultaneously with campaign quality utilizing a mobile throughput feature. It will be a framework conforming to established standards and protocols for the network while interfacing with and/or replacing equipment in current forces. The WIN-T outmodes Mobile Subscriber Equipment (MSE) and Tri-Services Tactical Communications (TRI-TAC) capabilities.</p>										
<b><u>Accomplishments/Planned Program</u></b>						FY 2004	FY 2005	FY 2006	FY 2007	
Prepare technical assessment and research studies.						710	925	940	605	
Prepare/coordinate Request For Proposal (RFP) and Milestone C Decision documentation, perform program support and management efforts, and conduct System Design Review (SDR), Critical Design Review (CDR), Preliminary Design Review (PDR) and a Production Should Cost Effort.						4695	5699	6242	5235	
Completes final portion of Phase 2 System Development and Demonstration (SDD). The Prime Contractor and major subcontractors provide final architecture, Modeling and Simulation (M&S), system design, preliminary design and prototypes to support tests, Milestone C and production contract efforts.						63756	73921	5315	0	

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### Accomplishments/Planned Program B(continued)

	FY 2004	FY 2005	FY 2006	FY 2007
Provide test support to include M&S and Development Test/Operational Test (DT/OT).	2379	7817	7002	9355
Provide system engineering and technical support to the WIN-T program.	5735	6959	6353	5223
Low Rate Initial Production (LRIP) Development	0	0	105229	132072
<b>Totals</b>	<b>77275</b>	<b>95321</b>	<b>131081</b>	<b>152490</b>

### B. Program Change Summary

	FY 2005	FY 2006	FY 2007
Previous President's Budget (FY 2005)	99645	140302	158215
Current Budget (FY 2006/2007 PB)	95321	131081	152490
Total Adjustments	-4324	-9221	-5725
Net of Program/Database Changes			
Congressional Program Reductions	-1610		
Congressional Rescissions			
Congressional Increases			
Reprogrammings			
SBIR/STTR Transfer	-2714		
Adjustments to Budget Years		-9221	-5725

### Change Summary Explanation:

FY04 Program/Database Changes (-1861)

FY04 SBIR/STTR Transfers (-2257)

FY05 Congressional Program Deductions (-\$1610)

FY05 SBIR/STTR Transfers (-\$2714)

FY06 funds realigned (-\$9221) to higher priority requirements.

FY07 funds realigned (-\$5725) to higher priority requirements.

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## C. Other Program Funding Summary

	FY 2004	FY 2005	FY 2006	FY 2007	FY 2008	FY 2009	FY 2010	FY 2011	ToCompl	TotalCost
B79100 - WIN-Tactical Program (OPA)	0	0	122433	108100	245742	334847	675008	670658	8981431	11138219

**D. Acquisition Strategy:** In August 2002, two separate competitive contracts were awarded to General Dynamics Government Systems Corporation and Lockheed Martin Mission Systems to perform Pre-Milestone B efforts which included system engineering tasks, program management tasks and engineering services necessary to conduct initial requirements analyses and generate network architecture designs. The 30 July 2003, Milestone B Defense Acquisition Board approved entry of the WIN-T program into the System Development and Demonstration (SDD) Phase, resulting in the contract SDD option awards to further develop the architecture, produce prototypes, conduct modeling and simulation, and support a Development Test/Operational Test by the end of FY 2005.

On 10 September 2004, the Defense Acquisition Executive authorized a revised acquisition approach for the WIN-T program. The new approach combines the two contractors into a single team with General Dynamics as the prime and Lockheed Martin as a major subcontractor. Formal direction to start work on the combined approach was sent to both contractors on 15 September 2004. The Lockheed Martin contract was terminated for convenience on 26 September 2004. An amendment to the Acquisition Strategy has been developed and approved by the Army Acquisition Executive. It is currently being staffed through OSD for Defense Acquisition Executive approval. The WIN-T schedule has been updated to reflect the combined team architecture and timeline. A sole source Production contract is expected to be awarded in 2QFY06, under which the Prime contractor will proceed with Low Rate Initial Production (LRIP) and Full Rate Production (FRP). The LRIP development funds complete the development of production configuration and training and logistics materials.

ARMY RDT&E COST ANALYSIS(R3)									February 2005			
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I. Product Development	Contract Method & Type	Performing Activity & Location	Total PYs Cost	FY 2005 Cost	FY 2005 Award Date	FY 2006 Cost	FY 2006 Award Date	FY 2007 Cost	FY 2007 Award Date	Cost To Complete	Total Cost	Target Value of Contract
a . Phase 1 Pre Milestone B	CPFF/T&M	Lockheed Martin Mission Systems, Gaithersburg, MD	21185	0		0		0		0	21185	0
b . Phase 1 Pre Milestone B	CPFF/T&M	General Dynamics Government Systems Corp, Taunton, MA	13306	0		0		0		0	13306	0
c . Phase 2 SDD	CPFF/T&M	Lockheed Martin Mission Systems, Gaithersburg, MD	39962	0		0		0		0	39962	0
d . Phase 2 SDD	CPFF/CPAF/T&M	General Dynamics Government Systems Corp, Taunton, MA	35826	73921	1-4Q	5316	1Q	0		0	115063	0
e . LRIP Development	CPIF	General Dynamics Government Systems Corp, Taunton, MA	0	0		105229	1Q	132072	1Q	Continue	237301	0
Subtotal:			110279	73921		110545		132072		Continue	426817	0

# ARMY RDT&E COST ANALYSIS(R3)

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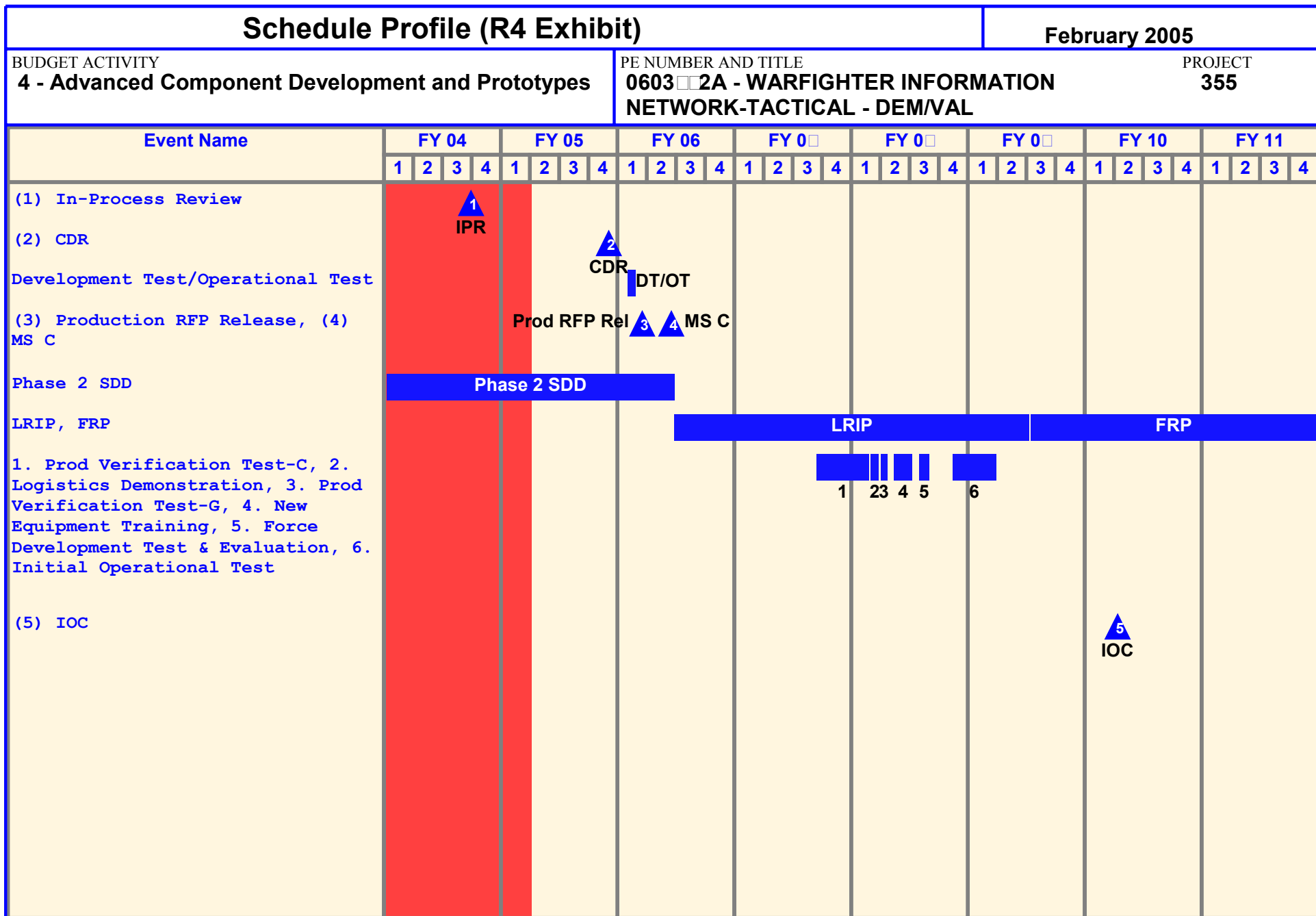
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**NETWORK-TACTICAL - DEM/VAL**

II. Support Cost	Contract Method & Type	Performing Activity & Location	Total PYs Cost	FY 2005 Cost	FY 2005 Award Date	FY 2006 Cost	FY 2006 Award Date	FY 2007 Cost	FY 2007 Award Date	Cost To Complete	Total Cost	Target Value of Contract
a . WIN-T Technical Assessment and Research Studies	Various	Various	1541	925	1-4Q	940	1-4Q	605	1-4Q	Continue	4011	0
b . Systems Engineering and Technical Support	Various	Various	11877	6959	1-4Q	6353	1-4Q	5223	1-4Q	Continue	30412	0
Subtotal:			13418	7884		7293		5828		Continue	34423	0

III. Test and Evaluation	Contract Method & Type	Performing Activity & Location	Total PYs Cost	FY 2005 Cost	FY 2005 Award Date	FY 2006 Cost	FY 2006 Award Date	FY 2007 Cost	FY 2007 Award Date	Cost To Complete	Total Cost	Target Value of Contract
a . Modeling and Simulation and Testing	Various	Various	4270	7817	1-4Q	7002	1-4Q	9355	1-4Q	Continue	28444	0
Subtotal:			4270	7817		7002		9355		Continue	28444	0

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IV. Management Services	Contract Method & Type	Performing Activity & Location	Total PYs Cost	FY 2005 Cost	FY 2005 Award Date	FY 2006 Cost	FY 2006 Award Date	FY 2007 Cost	FY 2007 Award Date	Cost To Complete	Total Cost	Target Value of Contract
a . Documentation Preparation & PM Support	Various	Various	4965	4086	1-4Q	3958	1-4Q	3483	1-4Q	Continue	16492	0
b . Conducted Source Selection Evaluation Board and Conduct Should Cost Effort	Various	Various	326	0		563	1-4Q	0		0	889	0
c . Travel, licenses, facilities, etc.	Various	Various	1640	891	1-4Q	905	1-4Q	922	1-4Q	Continue	4358	0
d . MITRE Support	PWD	MITRE, Eatontown, NJ	3365	722	1-4Q	815	1-4Q	830	1-4Q	Continue	5732	0
Subtotal:			10296	5699		6241		5235		Continue	27471	0
Project Total Cost:			138263	95321		131081		152490		Continue	517155	0



## Schedule Detail (R4a Exhibit)

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<u>Schedule Detail</u>	FY 2004	FY 2005	FY 2006	FY 2007	FY 2008	FY 2009	FY 2010	FY 2011
Phase 2 SDD Option	1-4Q	1-4Q	1-2Q					
Combined Contract Team	4Q							
System Design Review		2Q						
Development Test/Operational Test (DT/OT)			1Q					
Production RFP Release			1Q					
Milestone C Decision			2Q					
Production Contract			2-4Q	1-4Q	1-4Q	1-4Q	1-4Q	
Initial Operational Test (IOT)					4Q	1-2Q		
Initial Operational Capability (IOC)							2Q	