

# ARMY RDT&E BUDGET ITEM JUSTIFICATION (R2 Exhibit)

May 2009

BUDGET ACTIVITY <b>5 - System Development and Demonstration</b>		PE NUMBER AND TITLE <b>0604783A - JOINT NETWORK MANAGEMENT SYSTEM</b>			
COST (In Thousands)	FY 2008 Actual	FY 2009 Estimate	FY 2010 Estimate	Cost to Complete	Total Cost
363 JOINT NETWORK MANAGEMENT SYSTEM	2658	673			3331

**A. Mission Description and Budget Item Justification:** This program element supports the Joint Network Management System (JNMS) RDTE development effort. The JNMS is a Combatant Commander and Commander, Joint Task Forces (CJTF), joint communications planning and management tool. JNMS is an automated software system. It will provide communication planners with a common set of tools to conduct high level planning (war planning), detailed planning and engineering, monitoring, control and reconfiguration, spectrum planning and management, and security of communications and data systems used to support a Joint Task Force (JTF). These systems include circuit switches, data switches, message switches, single channel networks, transmission systems and satellite systems. It will promote force level situational awareness; provide enhanced flexibility to support the commander's intent; improve management of scarce spectrum resources; and provide increased security of these critical systems and networks. This development effort entails development of the JNMS architecture, software development and integration of Government-Off-the-Shelf and Commercial-Off-the Shelf software, functional and operational testing, and development of Integrated Logistics Support data and documentation. Initial software baseline was developed to provide base capability to the user with subsequent baselines developed providing additional functionality and capability.

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<u><b>B. Program Change Summary</b></u>	FY 2008	FY 2009	FY 2010
Previous President's Budget (FY 2009)	2759	676	
Current BES/President's Budget (FY 2010)	2658	673	
Total Adjustments	-101	-3	
Congressional Program Reductions		-3	
Congressional Rescissions			
Congressional Increases			
Reprogrammings	-27		
SBIR/STTR Transfer	-74		
Adjustments to Budget Years			

# ARMY RDT&E BUDGET ITEM JUSTIFICATION (R2a Exhibit)

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<b>BUDGET ACTIVITY</b> <b>5 - System Development and Demonstration</b>		<b>PE NUMBER AND TITLE</b> <b>0604783A - JOINT NETWORK MANAGEMENT SYSTEM</b>			<b>PROJECT</b> <b>363</b>
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<b><u>Accomplishments/Planned Program:</u></b>	<u>FY 2008</u>	<u>FY 2009</u>	<u>FY 2010</u>
Software Development (System Design, Software Integration, and Functional Qualification Testing) for Baseline 1.5	2658	658	
Small Business Innovative Research/Small business Technology Transfer Programs		15	
<b>Total</b>	<b>2658</b>	<b>673</b>	

<b><u>B. Other Program Funding Summary</u></b>	FY 2008	FY 2009	FY 2010	To Compl	Total Cost
B95700 JOINT NETWORK MGT SYSTEM	10745	11026		Continuing	Continuing

Comment:

**C. Acquisition Strategy** TRADOC approved Revision 2 to the JNMS Operational Requirements Document (ORD) on 16 May 00. Milestone A/B approval led to two contract awards to SAIC on 14 May 2001. The first contract, a cost-plus-fixed-fee (CPFF) and firm fixed price (FFP) contract, is for software integration/development, non-recurring engineering efforts, and optional hardware and software procurement for limited and full rate production quantities. This development contract provides the vehicle for the phased development of the JNMS operational baselines, combined build Key Performance Parameter (KPP) Threshold Baselines and subsequent Baselines. The second contract, a time-and-materials contract, covers tasks such as fielding, training, technical assistance, and an option for Post Deployment/Post Production Software Support (PD/PPSS). The SAIC contracts were awarded based on a competitive, best value source selection process. The Initial Operational Test and Evaluation (IOT&E) was conducted in 2QFY04. The

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Milestone C decision review with the Milestone Decision Authority (MDA), the Program Executive Officer, Command, Control, and Communications - Tactical (PEO C3T) was held in 3QFY04 resulting in Low Rate Initial Production (LRIP) approval. After successful development testing and a satisfactory Government Assessment, a subsequent Milestone decision review was held 2QFY05 with the MDA approving an increase in the LRIP to 35%. In 4QFY05, a Limited User Test (LUT) was successfully conducted which supported the approval of the Full Rate Production Decision (FRPD) on 8 Dec 05 signaling entry into full production and fielding. Fieldings began 2QFY06.

The SAIC contract option for the development of software Build 2 awarded 3QFY05 was scheduled into several incremental releases (1.4/1.5) due to a re-prioritization of the software development based on recent Joint Staff J6 guidance. The J6 desired smaller software increments to expedite releases to enable the field to utilize the additional capabilities sooner. Functional enhancements were added to builds 1.4 and 1.5 in order to meet the J6 guidance. FY09 will provide PDSS support to the JNMS Program to include Software maintenance, Information Assurance Vulnerability Management (IAVM), and Enhancements Requests/Problem Reports.

# ARMY RDT&E COST ANALYSIS (R3)

May 2009

BUDGET ACTIVITY			PE NUMBER AND TITLE								PROJECT		
<b>5 - System Development and Demonstration</b>			<b>0604783A - JOINT NETWORK MANAGEMENT SYSTEM</b>								<b>363</b>		
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	
JNMS Software Development	CPFF	SAIC - San Diego, CA	36619	223	2-3Q						34250		
Hardware/Software Suites	FFP	SAIC - San Diego, CA	1972								1972		
Subtotal:			38591	223							36222		
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	
Integrated Logistics Support	Various	Misc	541	155	2Q					Cont.	Cont.		
Software Development Support	Various	Misc	2965	250	2Q					Cont.	Cont.		
Contractor Engineering	MIPR	Various	2243	350	2Q	144	2Q			Cont.	Cont.		
Government Engineering	MIPR	Various	4868	252	2Q	100	2Q			Cont.	Cont.		
Subtotal:			10617	1007		244				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	
Developmental Test Support	T&M	SAIC - San Diego, CA	1929	50	2Q					Cont.	Cont.		
Operational Test Support	T&M	Misc	5368							Cont.	Cont.		
Initial Operational Test & Evaluation (IOTE)	T&M	SAIC, San Diego CA & Piscataway,NJ	478							478	478		
Other Test Support (Cert, GA, etc)	Various	Misc	955	250	1-2Q	79	1-2Q			Cont.	Cont.		
Subtotal:			8730	300		79				Cont.	Cont.		

# ARMY RDT&E COST ANALYSIS (R3)

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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
PM Support	Various	Ft Monmouth, NJ	3667	685	1-4Q	350	1-4Q			Cont.	Cont.	
JNMS MITRE Support	PWD	Eatontown, NJ	1041							Cont.	Cont.	
NETOPS Integration & Engineering Spt				443	3-4Q						443	
Subtotal:			4708	1128		350				Cont.	Cont.	
<b>Project Total Cost:</b>			<b>62646</b>	<b>2658</b>		<b>673</b>				<b>Cont.</b>	<b>Cont.</b>	

# Schedule Profile (R4 Exhibit)

May 2009

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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
SOFTWARE DEVELOPMENT BUILD 1.5	SW DEV 1.5																															
1.5	FQT 1.5																															
Government Assessment 1.5	GA 1.5																															
PDSS Support					PDSS Support																											
Software Maintenance					Software Maintenance																											
Information Assurance Vulnerability Mgmt (IAVM)&Enhancement Req/Problem Rpt					IAVM & ERs/PRs																											

# Schedule Detail (R4a Exhibit)

May 2009

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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>
FRPD								
FIRST UNIT EQUIPPED (FUE)								
SOFTWARE DEVELOPMENT BUILD 1.3								
SOFTWARE DEVELOPMENT BUILD 1.4								
SOFTWARE DEVELOPMENT BUILD 1.5	1Q - 3Q							
FUNCTIONAL QUALIFICATION TESTS; 1.4								
1.5	3Q							
Government Assessment 1.5	3Q							
PDSS Support		1Q - 4Q						
Software Maintenance		1Q - 4Q						
Information Assurance Vulnerability Mgmt (IAVM)&Enhancement Req/Problem Rpt		1Q - 4Q						