

## UNCLASSIFIED

<b>Exhibit R-2, RDT&amp;E Budget Item Justification</b>				Date: February 2005				
<b>APPROPRIATION/BUDGET ACTIVITY</b>				<b>R-1 ITEM NOMENCLATURE</b>				
RDT&E, Defense-Wide/07				C4I Interoperability/PE 0208045K				
COST (in millions)	FY04	FY 05	FY 06	FY07	FY08	FY09	FY10	FY11
Total Program Element	42.857	40.706	65.517	65.930	67.539	68.962	70.953	73.204
Test and Evaluation/T30	30.837	25.816	27.704	27.138	27.656	28.104	28.587	29.141
Major Range Test Facility Base (MRTFB)/T40	12.020	14.890	37.813	38.792	39.883	40.858	42.366	44.063

A. Mission Description and Budget Item Justification: The Joint Interoperability Test Command, as required by DoD Directive 4630.5, DoD Instruction 4630.8, DoD Directive 5105.19, DoD Regulation 5000.2-R, and CJCSI 6212.01B, provides life cycle test, evaluation, certification and technical support for all DoD National Security Systems/Information Technology Systems (NSS/ITS) to assure all users that Combatant Commander, Service, and Agency systems are effectively interoperable, compatible and integrated in a joint and combined environment. JITC is DoD's sole joint interoperability certifier. It serves as the designated Operational Test Agency (OTA) to determine the operational effectiveness and suitability of the Global Information Grid - Bandwidth Expansion (GIG-BE), Net-Centric Enterprise Services (NCES), Global Command and Control System Joint (GCCS-J), DoD Teleport, DISN Video Services (DVS), Defense Message System (DMS), Defense Collaborative Tool Suite (DCTS), and other systems managed or procured by the Defense Information Systems Agency and other Joint agencies. In accordance with DoD Directive 3200.11, it functions as the only non-Service member of DoD's Major Range and Test Facility Base (MRTFB), allowing work with commercial vendors to test and certify their products. It acts as Executive Agent for testing of selected National Geospatial-Intelligence Agency (NGA) programs, National Security Agency (NSA) and Service programs. It assists Allies in establishing similar "joint" test organizations. It works with Combatant Commanders during exercises and contingency operations to ensure interoperability and supportability throughout life cycle of DoD systems. This program element is under Budget Activity 07 because it involves efforts supporting operational systems development.

B. Program Change Summary:

	<u>FY 04</u>	<u>FY 05</u>	<u>FY 06</u>	<u>FY 07</u>
Previous President's Budget	43.122	41.074	43.896	44.096
Current President's Budget	42.857	40.706	65.517	65.930
Total Adjustments	- .265	-.368	+21.621	+21.834

## Change Summary Explanation:

FY 2004 adjustment due to below threshold reprogramming.

FY 2005 adjustment due to a Congressional increase of \$2.550M for the System of Systems Engineering Center, undistributed Congressional reductions to the Defense-Wide RDT&E appropriation, and below threshold reprogramming.

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RDT&E, Defense-Wide/07				C4I Interoperability/PE 0208045K				
COST (in millions)	FY04	FY 05	FY 06	FY07	FY08	FY09	FY10	FY11
Total Program Element	42.857	40.706	65.517	65.930	67.539	68.962	70.953	73.204
Test and Evaluation/T30	30.837	25.816	27.704	27.138	27.656	28.104	28.587	29.141
Major Range Test Facility Base (MRTFB)/T40	12.020	14.890	37.813	38.792	39.883	40.858	42.366	44.063

FY 2006 adjustment due to (1) an increase of \$20.695M resulting from Section 232 of P.L. 107-314, which stated that the institutional and overhead costs of DoD T&E facilities within the Major Range and Test Facility Base (MRTFB) must be funded through the major T&E investment accounts; and (2) conversion of military to civilian manpower directed by SecDef. Funding migrations from Defense Acquisition Programs coincide with an associated decrease in MRTFB reimbursable funding, resulting in a net effect of zero.

FY 2007 adjustment due to (1) a Congressional increase of \$21.393M resulting from Section 232 of P.L. 107-314, which stated that the institutional and overhead costs of DoD T&E facilities within the Major Range and Test Facility Base (MRTFB) must be funded through the major T&E investment accounts; and (2) conversion of military to civilian manpower directed by SecDef. Funding migrations from Defense Acquisition Programs coincide with an associated decrease in MRTFB reimbursable funding, resulting in a net effect of zero.

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<b>Exhibit R-2a, RDT&amp;E Project Justification</b>					<b>DATE:</b> February 2005			
<b>APPROPRIATION/BUDGET ACTIVITY</b> RDT&E, Defense-Wide/07			<b>PROGRAM ELEMENT</b> C4I Interoperability/PE 0208045K			<b>PROJECT NAME AND NUMBER</b> Test and Evaluation/T30		
<b>COST (in millions)</b>	<b>FY04</b>	<b>FY05</b>	<b>FY06</b>	<b>FY07</b>	<b>FY08</b>	<b>FY09</b>	<b>FY10</b>	<b>FY11</b>
Project Cost	30.837	25.816	27.704	27.138	27.656	28.104	28.587	29.141

A. Mission Description and Budget Item Justification: Provides life cycle test, evaluation, certification, and technical support for all DoD National Security Systems/Information Technology Systems (NSS/ITS) to assure the warfighter that Combatant Commander, Service, and Agency systems are effectively interoperable, compatible, and integrated in a joint and combined environment. JITC is DoD's sole joint interoperability certifier. Serves as the designated Operational Test Agency (OTA) to determine the operational effectiveness and suitability of the Global Information Grid - Bandwidth Expansion (GIG-BE), Net-Centric Enterprise Services (NCES), Global Command and Control System Joint (GCCS-J), DISN Video Services (DVS), Defense Message System (DMS), Defense Collaborative Tool Suite (DCTS), and other systems managed or procured by the Defense Information Systems Agency (DISA) and other Joint agencies. Acts as Executive Agent for testing of selected National Geospatial-Intelligence Agency (NGA) programs, National Security Agency (NSA) and Service programs. Assists Allies in establishing similar "joint" test organizations. Works with Combatant Commanders during exercises and contingency operations to ensure interoperability and supportability throughout life cycle of DoD systems.

B. Accomplishments/Planned Program:

Operational Test & Evaluation	<u>FY 04</u>	<u>FY 05</u>	<u>FY 06</u>	<u>FY 07</u>
Subtotal Cost	2.726	2.658	3.180	3.085

Provide Operational Test and Evaluation (OT&E) of systems acquired, assigned or managed by DISA to determine if the systems meet users' requirements. Conduct OT&E of GCCS-J major and minor releases to ensure operational requirements are met in a real operational environment; operational assessment and IOT&E of the GIG-BE expansion to assess operational effectiveness and suitability. Develop and execute new OT&E strategy for NCES; operationally assess the DCTS to support the milestone decision; perform operational assessments of DMS software releases and follow-on maintenance releases to ensure operational effectiveness and suitability; conduct continuous operational test and evaluation of DVS to ensure operational effectiveness and suitability; and assess operational effectiveness and suitability of DoD Teleport program.

Joint Interoperability Testing	<u>FY 04</u>	<u>FY 05</u>	<u>FY 06</u>	<u>FY 07</u>
Subtotal Cost	10.908	10.637	12.727	12.346

Conduct joint interoperability test and certification of DoD National Security Systems/Information Technology Systems

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<b>Exhibit R-2a, RDT&amp;E Project Justification</b>						<b>DATE:</b> February 2005		
<b>APPROPRIATION/BUDGET ACTIVITY</b> RDT&E, Defense-Wide/07			<b>PROGRAM ELEMENT</b> C4I Interoperability/PE 0208045K			<b>PROJECT NAME AND NUMBER</b> Test and Evaluation/T30		
<b>COST (in millions)</b>	<b>FY04</b>	<b>FY05</b>	<b>FY06</b>	<b>FY07</b>	<b>FY08</b>	<b>FY09</b>	<b>FY10</b>	<b>FY11</b>
Project Cost	30.837	25.816	27.704	27.138	27.656	28.104	28.587	29.141

(NSS/ITS) to ensure end-to-end interoperability, compatibility and integration. Complete Tactical Digital Information Link 11A/11B/16 certification tests (e.g., Airborne Warning and Control System (AWACS) Link 16, Special Information System (SIS) Senior Scout (SS) Link 11, Joint Stars Link 16, Airborne Battlefield Command and Control Center (ABCCC) Link 16, Forward Area Air Defense System (FAAD) Link 11B, and Modular Control Equipment (MCE) Link 11, 11B and 16, Joint Strike Fighter (JSF)); perform certification testing of Navy communications systems in support of Navy transition to DMS; perform certification testing of joint NSS/ITS systems to ensure end-to-end interoperability, compatibility, and integration; conduct Defense Interoperability Communications Exercises (DICE) to validate joint communications architectures, identify interoperability issues, perform systems' assessments, and certify the interoperability of voice, video, data, transmission, and messaging systems. Perform certification and related compliance and standards conformance testing of over 70 tactical, theater and national Intelligence Surveillance and Reconnaissance (ISR) systems supporting all Services, Combatant Commanders, and selected Agencies.

Support to Warfighter	<u>FY 04</u>	<u>FY 05</u>	<u>FY 06</u>	<u>FY 07</u>
Subtotal Cost	3.408	3.324	3.977	3.857

Provide projected on-site exercise support (pre-exercise architecture review and analysis, architecture documentation, operational assessments, traffic loading and simulation, and testing); on-site exercise support to identify and resolve technical issues, identify uncertified and/or untested interfaces, and determine compliance with CJCSM 6231.01B, Manual for Employing Joint Tactical Communications, which establishes standards and procedures for communications supporting joint operations and exercises; provide solutions to problems raised in hot-line calls; and publish four issues annually of Lessons Learned Reports.

Risk Mitigation Network	<u>FY 04</u>	<u>FY 05</u>	<u>FY 06</u>	<u>FY 07</u>
Subtotal Cost	4.142	0	0	0

Continue to implement the Risk Mitigation Network (RMN), which will provide DoD with an off-line, life cycle support capability for DoD's tactical and strategic networks and their interfaces. This includes the capability to replicate multi-service tactical communication systems/networks, the DISN, and the GIG-BE. The RMN allows testers to assess and evaluate performance of new systems, software revisions, and hardware modifications to various elements without risking disruption of operational IT networks. In compliance with Section 232 of the FY 2003 National Defense Authorization Act (NDAA), these costs were moved to Project Major Range and Test Facility Base/T40 in FY 2005 through FY 2007.

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Exhibit R-2a, RDT&E Project Justification				DATE: February 2005				
APPROPRIATION/BUDGET ACTIVITY		PROGRAM ELEMENT			PROJECT NAME AND NUMBER			
RDT&E, Defense-Wide/07		C4I Interoperability/PE 0208045K			Test and Evaluation/T30			
COST (in millions)	FY04	FY05	FY06	FY07	FY08	FY09	FY10	FY11
Project Cost	30.837	25.816	27.704	27.138	27.656	28.104	28.587	29.141
Joint Distributed Engineering Plant	<u>FY 04</u>			<u>FY 05</u>		<u>FY 06</u>		<u>FY 07</u>
Subtotal Cost	3.128			3.695		4.365		4.387
<p>Provide management and strategic planning for the Joint Distributed Engineering Plant (JDEP) to continue building the reusable test infrastructure that will enable warfighters, system developers, and testers to evaluate the interoperability of joint NSS/ITS systems-of-systems. Tasks will include coordination of test events, systems, network and testbed engineering, and data analysis. Focus will be continued test and evaluation of interoperability fixes to warfighting systems and capabilities, and on expansion of the common test infrastructure to begin testing of systems providing the ground commander's situational awareness and combat identification. Funding increase in FY 2005 through FY 2007 is due to increase in event-based testing.</p>								
Combined Interoperability Testing	<u>FY 04</u>			<u>FY 05</u>		<u>FY 06</u>		<u>FY 07</u>
Subtotal Cost	3.125			2.952		3.455		3.463
<p>Provide combined Command, Control, Communications, Computers, and Intelligence (C4I) interoperability test support to Combatant Commanders and NATO to ensure successfully combined operations with our Allies and Coalition partners. This includes Combined exercise support, Tactical Digital Information Link (TADIL) and Communications Command and Control Interoperability Boards (CCIB) support, TADIL testing support, Coalition Network migration; NATO CCIB and testing support, NATO Secondary Imagery Format and motion picture imagery certification testing, and US/Coalition communications equipment testing.</p>								
System of Systems Engineering Center	<u>FY 04</u>			<u>FY 05</u>		<u>FY06</u>		<u>FY 07</u>
Subtotal Cost	3.400			2.550		0		0
<p>Established a System of Systems Engineering Center that will develop a formal engineering methodology to be applied to DoD programs; extend traditional systems engineering to address challenges faced in today's complex combination of systems that must function as an overall whole to produce desirable results; and initiate prototype applications for port security.</p>								

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<b>APPROPRIATION/BUDGET ACTIVITY</b> RDT&E, Defense-Wide/07			<b>PROGRAM ELEMENT</b> C4I Interoperability/PE 0208045K			<b>PROJECT NAME AND NUMBER</b> Test and Evaluation/T30		
<b>COST (in millions)</b>	<b>FY04</b>	<b>FY05</b>	<b>FY06</b>	<b>FY07</b>	<b>FY08</b>	<b>FY09</b>	<b>FY10</b>	<b>FY11</b>
Project Cost	30.837	25.816	27.704	27.138	27.656	28.104	28.587	29.141

C. Other Program Funding Summary:

	<u>FY 04</u>	<u>FY05</u>	<u>FY 06</u>	<u>FY 07</u>	<u>FY 08</u>	<u>FY 09</u>	<u>FY 10</u>	<u>FY 11</u>	<u>To</u> <u>Complete</u>	<u>Total</u> <u>Cost</u>
O&M, DW	0	5.391	6.545	6.851	6.919	7.076	7.183	7.299	Contg	Contg

D. Acquisition Strategy:

Three prime contracts, with multiple sub-contracts, support this project. These competitively awarded, non-personal-services contracts provide maximum flexibility on assignment of tasks for cost and technical effectiveness, and allow for expansion and contraction of staff years as workload expands and contracts.

E. Performance Metrics:

JITC performance metrics identified in the FY 2005 Capital Investment Exercise were interoperability and standards conformance certifications, and timely, accurate solutions to all Hotline calls. As part of DISA's Balanced Scorecard Initiative, we refined these metrics to begin collecting data against them. Our start point of workload counts (181 certification/assessment memoranda and 218 Hotline calls) for FY 2004 will allow us to address customer satisfaction through measurement of providing them factual, accurate, independent, timely, and value-added information. Our metrics in FY 2005 will be measured against these baselines.

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Exhibit R-3 Cost Analysis						DATE: February 2005						
APPROPRIATION/BUDGET ACTIVITY			PROGRAM ELEMENT			PROJECT NAME AND NUMBER						
RDT&E, Defense-Wide/07			C4I Interoperability / PE 0208045K			Test and Evaluation / T30						
Test & Evaluation												
Cost Category	Contract Method & Type	Performing Activity & Location	Total PYS Cost	FY 05 Cost	FY 05 Award Date	FY 06 Cost	FY 06 Award Date	FY 07 Cost	FY 07 Award Date	Cost to Complete	Total Cost	Target Value of Contract
Engineering/Technical Services	FFP/LOE	NGMS Ft. Hua, AZ	10.109	3.481	10/04	4.425	10/05	4.376	10/06	10.940	33.331	33.331
	FFP/LOE	Interop Ft. Hua, AZ	12.636	3.692	10/04	4.692	10/05	4.640	10/06	11.600	37.260	37.260
	FFP/LOE	NGIT Ft. Hua, AZ	8.844	2.392	10/04	3.041	10/05	3.006	10/06	7.515	24.798	24.798
	CPFF	CTC Arlington, VA	6.800	2.550								
Subtotal Contracts				12.115		12.158		12.022				
In-House				13.701		15.546		15.116				
Total Project				25.816		27.704		27.138				

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Exhibit R-4 Schedule Profile													Date: February 2005																									
Appropriation/Budget Activity RDT&E, Defense-Wide/07													Program Element Number and Name C4I Interoperability / PE 0208045K													Project Number and Name Test and Evaluation / T30												
Fiscal Year	2004				2005				2006				2007				2008				2009				2010				2011									
	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						
Provide Operational Test & Evaluation (OT&E) of DISA acquired systems.									Continuing >																													
Conduct joint interoperability test and certification on DoD C4I systems									Continuing >																													
Establish system of systems engineering center (2nd year cost)																																						
Implement Risk Mitigation Network (RMN) Phase III					Reprogrammed to T40 in consideration of Sec 232 of 2003 National Defense Authorization Act																																	

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Exhibit R-4 Schedule Profile													Date: February 2005																									
Appropriation/Budget Activity RDT&E, Defense-Wide/07													Program Element Number and Name C4I Interoperability / PE 0208045K													Project Number and Name Test and Evaluation / T30												
Fiscal Year	2004				2005				2006				2007				2008				2009				2010				2011									
	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						
Manage Joint Distributed Engineering Plant (JDEP)	[Shaded]												Continuing >																									
On-site exercise support for ~ 8 exercises per year	[Shaded]												Continuing >																									
Operate 24/7 hotline	[Shaded]												Continuing >																									
Publish quarterly Lessons Learned reports	▲	▲	▲	▲	▲	▲	▲	▲	▲	▲	▲	▲	▲	▲	▲	▲	▲	▲	▲	▲	▲	▲	▲	▲	▲	▲	▲	▲	▲	▲	▲	▲						
Combined Interoperability Test support to combatant commanders	[Shaded]												Continuing >																									

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<b>Exhibit R-4a Schedule Detail</b>		<b>DATE:</b> February 2005						
<b>APPROPRIATION/BUDGET ACTIVITY</b>	<b>PROGRAM ELEMENT</b>	<b>PROJECT NAME AND NUMBER</b>						
RDT&E, Defense-Wide/07	C4I Interoperability / PE 0208045K	Test and Evaluation / T30						
<b>Schedule Profile</b>	<b>FY 2004</b>	<b>FY 2005</b>	<b>FY 2006</b>	<b>FY 2007</b>	<b>FY 2008</b>	<b>FY 2009</b>	<b>FY 2010</b>	<b>FY 2011</b>
Provide Operational Test & Evaluation (OT&E) of DISA acquired systems (e.g, GCCS, DMS, DVS-G)	1-4Q	1-4Q	1-4Q	1-4Q	1-4Q	1-4Q	1-4Q	1-4Q
Conduct joint interoperability test and certification on DoD C4I systems such as TADIL Link 11 & Link 16 tests, VMF, MILSTAR, etc., including planning and conducting Defense Interoperability Communications Exercise (DICE)	1-4Q	1-4Q	1-4Q	1-4Q	1-4Q	1-4Q	1-4Q	1-4Q
Establish System of Systems Engineering Center	2-4Q	1-4Q						
Implement Risk Mitigation Network (RMN) Phase III	1-4Q							
Manage Joint Distributed Engineering Plant (JDEP), including development of core documents, technical framework, node installations and event planning & support	1-4Q	1-4Q	1-4Q	1-4Q	1-4Q	1-4Q	1-4Q	1-4Q
On-site exercise support for up to eight exercises per year, e.g. TANDEM THRUST, COBRA GOLD, ROVING SANDS, COMBINED ENDEAVOR	1-4Q	1-4Q	1-4Q	1-4Q	1-4Q	1-4Q	1-4Q	1-4Q
Operate 24/7 hotline & Publish quarterly Lessons Learned reports	1-4Q	1-4Q	1-4Q	1-4Q	1-4Q	1-4Q	1-4Q	1-4Q
Provide Combined Interoperability Test support to Combatant Commanders	1-4Q	1-4Q	1-4Q	1-4Q	1-4Q	1-4Q	1-4Q	1-4Q

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Exhibit R-2a, RDT&E Project Justification				DATE: February 2005				
APPROPRIATION/BUDGET ACTIVITY			PROGRAM ELEMENT			PROJECT NAME AND NUMBER		
RDT&E, Defense-Wide/07			C4I Interoperability / PE 0208045K			Major Range Test Facility Base / T40		
Cost (in Millions)	FY04	FY05	FY06	FY07	FY08	FY09	FY10	FY11
Project Cost	12.020	14.890	37.813	38.792	39.883	40.858	42.366	44.063

A. Mission Description and Budget Item Justification: This project provides Institutional funds for DISA's Joint Interoperability Test Command (JITC), which functions as the only non-Service member of DoD's Major Range and Test Facility Base (MRTFB), in accordance with DoD Directive 3200.11. Adjustments for FY 2006 and beyond are due to a Congressional action directed by Section 232 of P.L. 107-314 that states that the institutional and overhead costs of DoD T&E facilities within the MRTFB must be funded through the major T&E investment accounts. Funding migrations from Defense Acquisition Programs coincide with an associated decrease in MRTFB reimbursable funding, resulting in a net effect of zero.

B. Accomplishments/Planned Program:

Interoperability Test Support	<u>FY 04</u>	<u>FY 05</u>	<u>FY 06</u>	<u>FY 07</u>
Subtotal Cost	12.020	11.835	30.041	30.633

Interoperability Test Support - Includes institutional and overhead costs associated with operating the Joint Interoperability Test Command (JITC) under the guidelines established for the MRTFB. This includes the costs of maintaining and operating JITC's base operations, testbed operations and maintenance, contract management support and award fee costs, communications support, automation support, travel, supplies, and associated civilian salary costs. Program details support JITC's interoperability, operational, and conformance testing missions at Indian Head, MD and Fort Huachuca, AZ; development, implementation, and maintenance of JITC's interoperability testing tools to enhance the capability to conduct testing of National Security Systems/Information Technology Systems (NSS/ITS); and development and maintenance of the JITC Project and Accounting System to provide project and financial management capability to meet the requirements imposed by designation as an MRTFB.

Risk Mitigation Network	<u>FY 04</u>	<u>FY 05</u>	<u>FY 06</u>	<u>FY 07</u>
Subtotal Cost	0	3.055	7.772	8.159

Continue to implement the Risk Mitigation Network (RMN), which will provide DoD with an off-line, life-cycle support capability for DoD's tactical and strategic networks and their interfaces. This includes the capability to replicate multi-service tactical communication systems/networks, the DISN, and the GIG-BE. The RMN allows testers to assess and evaluate performance of new systems, software revisions, and hardware modifications to various elements without risking disruption of operational IT networks. FY 2004 costs for this effort are reflected under Project Test and Evaluation/T30, but to comply with Section 232 of the FY 2003 National Defense Authorization Act (NDAA), these costs

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RDT&E, Defense-Wide/07			C4I Interoperability / PE 0208045K			Major Range Test Facility Base / T40		
Cost (in Millions)	FY04	FY05	FY06	FY07	FY08	FY09	FY10	FY11
Project Cost	12.020	14.890	37.813	38.792	39.883	40.858	42.366	44.063

were moved to Project Major Range and Test Facility Base/T40 in FY 2005 through FY 2007.

C. Other Program Funding Summary: N/A

D. Acquisition Strategy: Three prime contracts, with multiple sub-contracts, support this project. These competitively awarded, non-personal-services contracts provide maximum flexibility on assignment of tasks for cost and technical effectiveness, and allow for expansion and contraction of staff years as workload expands and contracts.

E. Performance Metrics:

This project is only those Institutional funds necessary to operate and maintain the Major Range Test Facility Base and cannot be passed to customers. The only output associated with this project is the availability of testbeds for customer testing. In the past year, there were no down days for JITC testbeds.

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Exhibit R-3 Cost Analysis				DATE: February 2005								
APPROPRIATION/BUDGET ACTIVITY			PROGRAM ELEMENT				PROJECT NAME AND NUMBER					
RDT&E, Defense-Wide/07			C4I Interoperability / PE 0208045K				Major Range and Test Facility Base / T40					
<u>Test and Evaluation</u>	<u>Contract</u>	<u>Performing</u>	<u>Total</u>	<u>FY 05</u>	<u>FY 05</u>	<u>FY 06</u>	<u>FY 06</u>	<u>FY 07</u>	<u>FY 07</u>	<u>Cost to</u>	<u>Total</u>	<u>Target</u>
<u>Cost Category</u>	<u>Method &amp;</u>	<u>Activity &amp;</u>	<u>PYs</u>	<u>FY 05</u>	<u>Award</u>	<u>FY 06</u>	<u>Award</u>	<u>FY 07</u>	<u>Award</u>	<u>Complete</u>	<u>Cost</u>	<u>Value of</u>
	<u>Type</u>	<u>Location</u>	<u>Cost</u>	<u>Cost</u>	<u>Date</u>	<u>Cost</u>	<u>Date</u>	<u>Cost</u>	<u>Date</u>			<u>Contract</u>
Engineering/Technical Services	FFP/LOE	NGMS Ft. Hua, AZ	4.329	.795	10/04	5.652	10/05	5.849	10/06	14.622	31.247	31.247
	FFP/LOE	Interop Ft. Hua, AZ	5.412	3.000	10/04	12.739	10/05	13.167	10/06	32.917	67.235	67.235
	FFP/LOE	NGIT Ft. Hua, AZ	3.786	1.538	10/04	6.404	10/05	6.618	10/06	16.545	34.891	34.891
Subtotal Contracts				5.333		24.795		25.634				
In-House				9.557		13.018		13.158				
Total Project				14.890		37.813		38.792				

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Exhibit R-4 Schedule Profile													Date: February 2005																									
Appropriation/Budget Activity RDT&E, Defense-Wide/07													Program Element Number and Name C4I Interoperability / PE 0208045K													Project Number and Name MRTFB / T40												
Fiscal Year	2004				2005				2006				2007				2008				2009				2010				2011									
	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						
Provide interoperability test support to warfighter																																						
														Continuing >																								
Provide Base Operations support																																						
														Continuing >																								
Operate test beds at Ft. Huachuca, AZ and Indianhead, MD																																						
														Continuing >																								
Implement Risk Mitigation Network (RMN)																																						
					Reprogrammed from T30 in consideration of Sec 232 of 2003 National Defense Authorization Act													Continuing >																				

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<b>Exhibit R-4a Schedule Detail</b>				<b>DATE:</b> February 2005				
<b>APPROPRIATION/BUDGET ACTIVITY</b>	<b>PROGRAM ELEMENT</b>			<b>PROJECT NAME AND NUMBER</b>				
RDT&E, Defense-Wide/07	C4I Interoperability / PE 0208045K			Major Range and Test Facility Base / T40				
<b>Schedule Profile</b>	<b>FY 2004</b>	<b>FY 2005</b>	<b>FY 2006</b>	<b>FY 2007</b>	<b>FY 2008</b>	<b>FY 2009</b>	<b>FY 2010</b>	<b>FY 2011</b>
Develop & implement Interoperability test systems to support warfighters	1-4Q	1-4Q	1-4Q	1-4Q	1-4Q	1-4Q	1-4Q	1-4Q
Provide base operations support to test mission	1-4Q	1-4Q	1-4Q	1-4Q	1-4Q	1-4Q	1-4Q	1-4Q
Operate testbeds at Ft. Huachuca, AZ & Indianhead, MD	1-4Q	1-4Q	1-4Q	1-4Q	1-4Q	1-4Q	1-4Q	1-4Q
Implement Risk Mitigation Network (RMN)		1-4Q	1-4Q	1-4Q	1-4Q	1-4Q	1-4Q	1-4Q