

## UNCLASSIFIED

Exhibit R-2, RDT&E Budget Item Justification		Date: February 2008					
APPROPRIATION/BUDGET ACTIVITY RDT&E, Defense-Wide/07		R-1 ITEM NOMENCLATURE C4I Interoperability/PE 0208045K					
Cost (\$ in millions)	FY 2007	FY 2008	FY 2009	FY 2010	FY 2011	FY 2012	FY 2013
Total Program Element	76.697	75.694	76.226	77.911	78.601	79.707	79.506
Test and Evaluation/T30	23.009	21.329	21.441	21.649	21.714	22.432	22.312
Major Range Test Facility Base (MRTFB)/T40	53.688	54.365	54.785	56.262	56.887	57.275	57.194

**A. Mission Description and Budget Item Justification:** The Joint Interoperability Test Command (JITC) is the sole interoperability certifier for all National Security System/Information Technology (NSS/IT) for the Department of Defense (DoD) and the Warfighter. Other JITC core missions include testing of DoD terrestrial, space, and tactical communications capabilities, supporting Warfighters on technical NSS/IT issues, and assisting Combatant Command to Coalition partner interoperability. JITC is also the only Joint Operational Test Agency (OTA) and supports the acquisition process of the Defense Information Systems Agency (DISA), National Security Agency (NSA), Defense Intelligence Agency (DIA), and other DoD agencies.

JITC resources include over 1200 military, civilians, and contractor personnel, and Major Range and Test Facility Base (MRTFB) facilities that include nearly 149,125 square feet of Command, Control, Communications, Computing and Intelligence (C4I)/Global Information Grid (GIG) testing laboratories. In Fiscal Year 2009 (FY09), to ensure its relevancy to DoD and the Warfighter community JITC will continue to manage and maintain its current base, and also:

- Perform major upgrades to its power, high voltage air conditioning, and communications infrastructure;
- Procure, install, and perform configuration management of test solutions for transformational GIG "to be" capabilities;
- Expand its test operations capability to provision, federate, and monitor required GIG Test and Evaluation (T&E) capabilities;
- Coordinate and manage functional area products required for Joint T&E of Intelligence, Warfighting, and Business capabilities.

JITC provides consistent, repeatable test capabilities to support Military Services and Government agencies; ensures DISA and other DoD Agency acquired capabilities are operationally effective and suitable; and certifies Joint Warfighter capabilities are interoperable with the currently fielded systems. This project is under Budget Activity 07 because it involves efforts supporting operational systems development. Specifically, this project:

- Supports Combatant Commanders during exercises and contingency operations to ensure Joint interoperability throughout the lifecycle of DoD NSS/ITS and successful combined operations with Allies and Coalition partners;
- Conducts multiple Joint and Combined interoperability test events to verify Service/Agency Tactical Data Link

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Cost (\$ in millions)	FY 2007	FY 2008	FY 2009	FY 2010	FY 2011	FY 2012	FY 2013
Total Program Element	76.697	75.694	76.226	77.911	78.601	79.707	79.506
Test and Evaluation/T30	23.009	21.329	21.441	21.649	21.714	22.432	22.312
Major Range Test Facility Base (MRTFB)/T40	53.688	54.365	54.785	56.262	56.887	57.275	57.194

capabilities;

- Conducts the DoD Interoperability Communications Exercise (DICE) to evaluate current and new communications capabilities;
- Enables development and operational testing of GIG capabilities to include the Optical and IP Core, Real-Time Voice, Data, and Video Service, GIG Enterprise Services, and the Net Centric Command Capability;
- Supports interoperability test certification to verify Intelligence, Warfighting, and Business capabilities comply with Net-Ready Key Performance Parameters and can interoperate within and across Joint mission areas; and
- Supports JITC's OSD-mandated mission to serve as an MRTFB by providing NSS/IT T&E infrastructure upgrades to keep pace with the dynamic technology and operational environments.

Without this project, the Military Services and Defense Agencies would be forced to operate independently and fail to achieve net-centric C4I Warfighting capability requirements.

**B. Program Change Summary:**

	<u>FY 2007</u>	<u>FY 2008</u>	<u>FY 2009</u>
FY 2008 President's Budget	83.413	76.179	77.795
FY 2009 President's Budget	76.697	75.694	76.226
Total Adjustments	-6.716	-0.485	-1.569

Change Summary Explanation:

FY 2007 adjustment is due to BRAC closure at Slidell, LA.

FY 2008 adjustment is due to economic assumptions and contractor efficiencies.

FY 2009 adjustment is due to administrative changes for high priority, emerging requirement, economic assumptions and contractor efficiencies.

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<b>Exhibit R-2a, RDT&amp;E Project Justification</b>						Date: February 2008	
APPROPRIATION/BUDGET ACTIVITY RDT&E, Defense-Wide/07				PROJECT NAME AND NUMBER Test and Evaluation/T30			
Cost (\$ in millions)	FY 2007	FY 2008	FY 2009	FY 2010	FY 2011	FY 2012	FY 2013
Project Cost	23.009	21.329	21.441	21.649	21.714	22.432	22.312

**A. Mission Description and Budget Item Justification:** The Joint Interoperability Test Command (JITC), as the only Joint Operational Test Agency, conducts Operational Test and Evaluation (OT&E) to determine the operational effectiveness and suitability of the systems acquired, assigned, or managed by the Defense Information Systems Agency (DISA), Services, and other Agencies. As the sole joint interoperability test certification authority, JITC conducts lifecycle test, evaluation, and certification of the DoD National Security Systems/Information Technology (NSS/IT).

- This project provides direct interoperability support to Combatant Commanders during exercises and contingency operations to ensure joint interoperability throughout the lifecycle of DoD NSS/IT, and supports Combatant Commanders to ensure successful combined operations with Allies and Coalition partners. This project provides the funding for direct test support to Combatant Command (COCOM) operations in the theater as well as technical 24-hr/day, 365-day/yr Warfighter Command, Control, Communications, Computing and Intelligence (C4I) Hotline support to the COCOMs and Services.
- JITC conducts three annual distributed Joint and Combined Tactical Data Link hardware-in-the-loop interoperability test events to evaluate Service and Agency warfighting capabilities. Each event includes approximately seven COCOM/Service/Agency facilities and 11 participating systems. Overall this testing will result in over 35 system/capability assessments or certifications.
- This project provides for planning, conduct, analysis and reporting for three annual DoD Interoperability Communications Exercises (DICE) which provides a distributed Joint Task Force (JTF) network to support agile, responsive, and efficient testing and rapid deployment of Joint Warfighting communications capabilities. Annual participation includes over 60 systems/capabilities and results in approximately 30 system/capability assessments or certifications.
- This project provides a sustaining capability to support engineering, development, and operational testing of the DISA global command and control, and combat support systems and evolving and transformational communications, services, and command capability. This project ensures the success of DoD's Global Information Grid (GIG)-enabling programs throughout their entire lifecycle and ultimately ensures these capabilities are available to the rest of the DoD community to verify their own net-centric C4I warfighting capabilities.
- This project provides for the development, implementation, and maintenance of the MRTFB's interoperability testing tools necessary to provide DoD with a Center of Excellence for testing net-centric systems in a realistic

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<b>Exhibit R-2a, RDT&amp;E Project Justification</b>						Date: February 2008	
APPROPRIATION/BUDGET ACTIVITY RDT&E, Defense-Wide/07				PROJECT NAME AND NUMBER Test and Evaluation/T30			
Cost (\$ in millions)	FY 2007	FY 2008	FY 2009	FY 2010	FY 2011	FY 2012	FY 2013
Project Cost	23.009	21.329	21.441	21.649	21.714	22.432	22.312

operational environment. As an MRTFB these capabilities and mission are considered a national asset.

- From an NSS/IT perspective, DISA acquisition and test and evaluation (T&E) supported by this project are responsible for DoD's corollary and nerve systems. Without this project, the Services and Agencies would be forced to operate independently and fail to achieve net-centric C4I Warfighting capability requirements.

**B. Accomplishments/Planned Program:**

Operational Test and Evaluation	<u>FY 2007</u>	<u>FY 2008</u>	<u>FY 2009</u>
Subtotal Cost	3.129	2.922	2.930

JITC conducts OT&E of GIG-enabling capabilities acquired, assigned, or managed by DISA to determine if the systems meet user requirements. This includes the following: conduct OT&Es and Operational Assessments (OAs) of Global Command and Control System-Joint (GCCS-J) and Global Combat Support System (GCSS) Combatant Commander/Joint Task Force (CC/JTF) major and minor releases to ensure operational requirements are met in a operational environment with real users; develop and execute OT&E strategies for key enablers for implementing DoD wide network centric capabilities including Network Centric Enterprise Services (NCES) and Net-Enabled Command Capability (NECC); assess operational upgrades to DoD Teleport sites to support fielding decisions and assess Teleport systems for operational effectiveness and suitability; and assess operational upgrades to Teleport sites to support fielding decisions. Also provides OT&E support to the National Security Agency (NSA), Defense Logistic Agency (DLA), Defense Finance and Accounting Service (DFAS), and Defense Commissary Agency (DeCA) acquisition programs.

Joint Interoperability Testing	<u>FY 2007</u>	<u>FY 2008</u>	<u>FY 2009</u>
Subtotal Cost	12.586	11.795	11.879

Conducts joint testing and certification of DoD NSS/IT to ensure tactical data link implementations are effectively interoperable for the Airborne Warning and Control System (AWACS), Aegis, Phased Array Tracking Radar Intercept Of Target(PATRIOT), Air Defense System Integrator (ADSI), Joint Stars (JSTARS), Joint Strike Fighter (JSF) and other COCOMs/Service/Agency capabilities. Conducts DICE to validate joint communications architectures; identify connectivity and operational issues; perform systems' assessments; and certify and verify the interoperability of

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Exhibit R-2a, RDT&E Project Justification						Date: February 2008	
APPROPRIATION/BUDGET ACTIVITY RDT&E, Defense-Wide/07			PROJECT NAME AND NUMBER Test and Evaluation/T30				
Cost (\$ in millions)	FY 2007	FY 2008	FY 2009	FY 2010	FY 2011	FY 2012	FY 2013
Project Cost	23.009	21.329	21.441	21.649	21.714	22.432	22.312

and distributes approximately 4600 test-related documents to approximately 650 recipients per year. The Command supports over 1,300 test projects distributed among Services, Agencies, and other Federal entities, as well as commercial customers and responds to approximately 380 Warfighter C4I Hotline requests submitted from the COCOMs and Services, many directly relating to the War on Terrorism. JITC participates in six to eight Command sponsored exercises (e.g., Combined Endeavor, Africa Endeavor, Pacific Endeavor, Balikatan, Talisman Saber, Cobra Gold, Air Force - Integrated Collaborative Environment, and Rim of the Pacific) per year and identifies and resolves thousands of interoperability, networking, communications, and general exercise-related issues. JITC deploys teams ranging from 2 to 16 people to various theater locations for up to three months at a time. JITC provides 24-hr/day, 365-day/yr Warfighter C4I Hotline technical support to the COCOMs and Services.

Support to Warfighter	<u>FY 2007</u>	<u>FY 2008</u>	<u>FY 2009</u>
Subtotal Cost	7.294	6.612	6.632

Provides on-site support to Combatant Commanders for exercises and contingency operations to document, review and analyze architectures, conduct interoperability assessments, identify and resolve technical issues, identify uncertified and/or untested interfaces, and determine compliance with Chairman of the Joint Chiefs of Staff (CJCS) manuals; provide solutions to problems raised in hotline calls; and publish four issues annually of Lessons Learned Reports. This support also includes Coalition exercise support, tactical data link testing support and Command and Control Interoperability Boards (CCIB) support, Coalition Network migration, and United States/Coalition communications equipment testing to ensure successful combined operations with our Allies and Coalition partners.

**C. Other Program Funding Summary:**

	<u>FY 2007</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>	To <u>Complete</u>	Total <u>Cost</u>
O&M, DW	0.040	3.214	3.615	3.612	3.432	3.334	3.321	Cont'g	Cont'g

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Exhibit R-2a, RDT&E Project Justification						Date: February 2008	
APPROPRIATION/BUDGET ACTIVITY RDT&E, Defense-Wide/07			PROJECT NAME AND NUMBER Test and Evaluation/T30				
Cost (\$ in millions)	FY 2007	FY 2008	FY 2009	FY 2010	FY 2011	FY 2012	FY 2013
Project Cost	23.009	21.329	21.441	21.649	21.714	22.432	22.312

**D. Acquisition Strategy:**

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

**E. Performance Metrics:**

Performance is tracked through measures of workload. In support of JITC's primary mission for FY07, JITC performed testing for 1,173 DoD and other federal projects and 172 commercial projects. JITC completed 220 interoperability tests, 14 operational tests, 7 developmental tests and 30 information assurance assessments. In standards conformance, which is an integral part of interoperability, 54 standards conformance certifications were issued. JITC responded to nearly 400 hotline calls for urgent support from across the DoD, other federal agencies and the commercial sector. For FY08 and FY09, JITC will continue to track performance through measures of workload such as the number of: exercises supported; test-related documents produced and delivered; hotline requests; interoperability networking, communication, and general exercise-related issues identified and resolved; JITC personnel deployments; tests conducted; projects supported; and interoperability certifications issued.

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Exhibit R-3 RDT&E Cost Analysis								Date: February 2008				
APPROPRIATION/BUDGET ACTIVITY			PROGRAM ELEMENT					PROJECT NAME AND NUMBER				
RDT&E, Defense-Wide/07			PE 0208045K					Test and Evaluation/T30				
<u>Test &amp; Evaluation</u>												
<u>Cost Category</u>	<u>Contract Method &amp; Type</u>	<u>Performing Activity &amp; Location</u>	<u>Total PYS Cost (\$000)</u>	<u>FY07 Cost (\$000)</u>	<u>FY07 Award Date</u>	<u>FY08 Cost (\$000)</u>	<u>FY08 Award Date</u>	<u>FY09 Cost (\$000)</u>	<u>FY09 Award Date</u>	<u>Cost to Complete (\$000)</u>	<u>Total Cost (\$000)</u>	<u>Target Value of Contract</u>
Engineering/ Technical Services	FFP/LOE	NGMS Ft. Hua, AZ	18.044	4.741	10/06	4.135	10/07	4.282	10/08	1.784	32.986	32.986
	FFP/LOE	Interop Ft. Hua, AZ	20.763	5.013	10/06	4.616	10/07	4.296	10/08	1.790	36.478	36.478
	FFP/LOE	NGIT Ft. Hua, AZ	14.079	3.794	10/06	3.062	10/07	3.175	10/08	1.322	25.432	25.432
	CPFF	CTC Arlington, VA	11.050	0.000		0.000		0.000		11.050	11.050	11.050
Subtotal Contracts				13.548		11.813		11.753				
In-House				9.461		9.516		9.688				
Total Project				23.009		21.329		21.441				

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**Exhibit R-4, RDT&E Program Schedule Profile**

Date: February 2008

Appropriation/Budget Activity  
RDT&E, Defense-Wide, 07

Program Element Number and Name  
PE 0208045K, C4I Interoperability

Project Number and Name  
T30, Test and Evaluation

Fiscal Year	2007				2008				2009				2010				2011				2012				2013							
	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.																																
GCCS-J																																
SORTS OA/OT&E																																
JOPES OA/OT&E	▲																															
Global OA/OT&E		▲		▲	▲				▲				▲																			
GCSS-CC/JTF																																
OA																																
OT&E	▲				▲				▲				▲																			
GEMSIS (Confidence Pt or JMUA)																																
OT&E					▲				▲				▲																			
FOT&E																																
JIPM OT&E																																
NCES OT&E																																
NECC OT&E (12 events in FY09)																																
Teleport																																
OA																																
OT&E (IOT&E/FOT&E/MOT&E)	▲				▲				▲				▲																			

**Exhibit R-4, RDT&E Program Schedule Profile**

Date: February 2008

Appropriation/Budget Activity  
RDT&E, Defense-Wide/07

Program Element Number and Name  
PE 0208045K, C4I Interoperability

Project Number and Name  
T30, Test and Evaluation

Fiscal Year	2007				2008				2009				2010				2011				2012				2013							
	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				
Conduct joint interoperability test and certification of DoD C4I systems																																
TADIL JIT/CIT FY-01																																
TADIL JIT/CIT FY-02			▲																													
TADIL JIT/CIT FY-03	▲																															
TADIL JIT/CIT FY-04		▲																														
TADIL JIT/CIT FY-05			▲																													
DICE FY-01																																
DICE FY-02	▲																															
DICE FY-03		▲																														
Navy Message Legacy Systems																																
DT/IV&V	▲	▲	▲		▲	▲	▲		▲	▲	▲																					
FA/OA	▲	▲	▲	▲	▲	▲	▲	▲	▲	▲	▲	▲																				
Navy Tactical Mess. Systems																																
DT/IV&V	▲	▲	▲		▲	▲	▲		▲	▲	▲																					
FA/OA	▲	▲	▲	▲	▲	▲	▲	▲	▲	▲	▲	▲																				



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Exhibit R-4a, RDT&E Program Schedule Detail		Date: February 2008						
APPROPRIATION/BUDGET ACTIVITY	PROGRAM ELEMENT NUMBER AND NAME	PROJECT NUMBER AND NAME						
RDT&E, Defense-Wide/07	PE 0208045K/C4I Interoperability	T30/Test and Evaluation						
Schedule Profile								
		<u>FY 2007</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>
Provide Operational Test & Evaluation (OT&E) of DISA acquired systems (e.g, GCCS-J, NECC, NCES)		1-4Q	1-4Q	1-4Q	1-4Q	1-4Q	1-4Q	1-4Q
Conduct joint interoperability test and certification on DoD NSS/ITS such as TADIL Link 11 & Link 16 tests, JSF, etc., including planning and conducting Defense Interoperability Communications Exercise (DICE)		1-4Q	1-4Q	1-4Q	1-4Q	1-4Q	1-4Q	1-4Q
On-site exercise support for six to eight exercises per year, e.g. COBRA GOLD, COMBINED ENDEAVOR, PACIFIC ENDEAVOR, RIMPAC		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
Provide Combined Interoperability Test support to Combatant Commanders		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 2008			
APPROPRIATION/BUDGET ACTIVITY RDT&E, Defense-Wide/07				PROJECT NAME AND NUMBER Major Range Test Facility Base/T40			
Cost (\$ in millions)	FY 2007	FY 2008	FY 2009	FY 2010	FY 2011	FY 2012	FY 2013
Project Cost	53.688	54.365	54.785	56.262	56.887	57.275	57.194

**A. Mission Description and Budget Item Justification:** This project provides Institutional funds for the Defense Information Systems Agency's (DISA's) Joint Interoperability Test Command (JITC) and the Test and Evaluation Management Center (TEMC). These organizations serve as the only non-Service members of the Department of Defense's (DoD's) Major Range and Test Facility Base (MRTFB), in accordance with DoD Directive (DoDD) 3200.11, which provides the policy and responsibilities for the management and operation of DoD MRTFB activities. The DISA MRTFB increased its scope within the Agency beginning in FY 2007.

- This project makes JITC mission capable, thus making DISA capable of executing its National Security System/ Information Technology (NSS/IT) interoperability test and evaluation (T&E) mission mandated in the Chairman of the Joint Chief of Staff Instruction (CJCSI) 6212 and DoD policies which establish procedures for JITC system interoperability test certification and prescribe DoD policy and responsibilities for interoperability and supportability of NSS/IT.
- This project provides the necessary test capabilities and facilities infrastructure, internal automated accounting and document tracking and reporting systems, and hardware and software maintenance so that JITC can provide direct test support to DISA NSS/IT acquisitions (e.g., Net Enabled Command Capability (NECC), Net Centric Enterprise Services (NCES), Global Command and Control System (GCCS), Global Combat Support System (GCSS), etc.) as well as Service Tactical Digital Information Link (TADIL), command and control, messaging, and communications systems. This project supports JITC's Office of the Secretary of Defense (OSD) mandated mission to serve as an MRTFB by providing NSS/IT T&E infrastructure upgrades. The laboratory and testing software enhancements allow the testing efforts to keep pace with the rapid change in technology. These upgrades impact the testing of all DoD and DISA NSS/IT acquisitions that require Joint interoperability T&E in accordance with DoD's policy for developing, evaluating and providing interoperability and supportability certification of NSS/IT.
- From an NSS/IT perspective, DISA acquisition and T&E supported by this project are responsible for DoD's corollary and nerve systems. Without this project, the Services and Agencies would be forced to operate independently and fail to achieve net-centric C4I Warfighting capability requirements.
- This project includes evolving the laboratory testbeds to meet future technology changes and enhancements in hardware and testing software, with an emphasis on preparing testbeds and test networks to facilitate the testing of Service Oriented Architectures (SOAs). It also provides test services via the Federated Development and Certification Environment (FDCE).
- This project allows the DISA MRTFB to continue to implement Net Readiness Capabilities Resources (NRCR), which

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Cost (\$ in millions)	FY 2007	FY 2008	FY 2009	FY 2010	FY 2011	FY 2012	FY 2013
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will provide DoD with an off-line, lifecycle support capability for DoD's tactical and strategic networks and their interfaces, as well as build communications and test environments for the current and future Converged Real-time Internet Protocol (IP) Services for voice, data and video, Software as a Service (SaaS), NCES, and NECC.

**B. Accomplishments/Planned Program:**

Interoperability Test Support	<u>FY 2007</u>	<u>FY 2008</u>	<u>FY 2009</u>
Subtotal Cost	53.688	54.365	54.785

This project funds the DISA MRTFB institutional and overhead costs associated with operating JITC and TEMC. Institutional costs include maintaining and operating base operations, multi-purpose testbeds, contract management, award fee costs, communications, automation support, operating expenses, T&E standards, policies, and procedures. This project funds the associated civilian pay costs for all overhead functions at Indian Head, MD, Fort Huachuca, AZ, and Arlington, VA, as well as the construction of virtual communications capability and enhanced laboratory upgrades. This project provides for the development, implementation, and maintenance of the MRTFB's interoperability testing tools necessary to provide DoD with a Center of Excellence for testing of net-centric systems in a realistic operational environment. The NRCR 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. The FY 2007 funds reflect the realignment of DISA O&M and Procurement funds from C4I for the Warrior to this program. The laboratory and testing software enhancements allow the testing efforts to keep pace with the rapid change in technology. This initiative requires hardware and software refreshes on a periodic basis (approximately every two years). Staggering the hardware refreshment acquisitions with the software acquisitions (i.e. one year hardware refresh the next year software) smoothes the spending curve for the out years. The many initiatives spanning all years will provide optimal flexibility in a dynamic IT laboratory environment. The DISA MRTFB consolidates operational, interoperability and development testing into a single program managed under MRTFB rules and procedures. JITC develops and distributes approximately 4,600 test-related documents to approximately 650 recipients per year. The Command supports over 1,300 test projects distributed among Services, Agencies, and other Federal entities, as well as commercial customers and responds to approximately 380 Warfighter C4I Hotline requests submitted from the Combatant Commands (COCOMs) and Services, many directly relating to the War on Terrorism. JITC participates in six to eight Command sponsored exercises per year and

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Cost (\$ in millions)	FY 2007	FY 2008	FY 2009	FY 2010	FY 2011	FY 2012	FY 2013
Project Cost	53.688	54.365	54.785	56.262	56.887	57.275	57.194

identifies and resolves thousands of interoperability, networking, communications, and general exercise-related issues. JITC deploys teams ranging from 2 to 16 people to various theater locations for up to three months at a time. JITC provides 24-hr/day, 365-day/yr Warfighter C4I Hotline technical support to the COCOMs and Services.

**C. Other Program Funding Summary:**

	<u>FY 2007</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>	To <u>Complete</u>	Total <u>Cost</u>
O&M, DW	0.094	8.193	9.236	9.387	8.993	8.514	8.513	Cont'g	Cont'g

**D. Acquisition Strategy:** Three prime contracts, with multiple sub-contracts, support this project. These competitively awarded, performance-based, non-personal-services contracts provide maximum flexibility, and allows for expansion and contraction of staff years as workload expands and contracts.

**E. Performance Metrics:** This project funds Institutional costs incurred to operate and maintain the Major MRTFB that contains over 1200 military, civilians, and contractor personnel, and nearly 149,125 square feet of C4I/GIG testing laboratories. The output associated with this project is the development of standard T&E methods and practices, and availability of testbeds and testing software and testing facilities for customer testing. For FY08 and FY09, service availability will be reported based on quality of communications and data services that support test events. Service availability will be reported as percentage availability versus time. Quality of service will be reported as a percentage of circuit outages and incidents versus time. Additional metrics will show specific scheduled test parameters such as time to install and configure customer defined test networks, service outage times during test campaigns, satellite communications link quality versus time, and maintenance down time versus total test infrastructure availability.

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Exhibit R-3 RDT&E Project Cost Analysis							Date: February 2008					
APPROPRIATION/BUDGET ACTIVITY			PROGRAM ELEMENT				PROJECT NAME AND NUMBER					
RDT&E, Defense-Wide/07			PE 0208045K				Major Range and Test Facility Base/T40					
<u>Test and Evaluation</u>												
<u>Cost Category</u>	<u>Contract Method &amp; Type</u>	<u>Performing Activity &amp; Location</u>	<u>Total PYs Cost (\$000)</u>	<u>FY07 Cost (\$000)</u>	<u>FY07 Award Date</u>	<u>FY08 Cost (\$000)</u>	<u>FY08 Award Date</u>	<u>FY09 Cost (\$000)</u>	<u>FY09 Award Date</u>	<u>Cost to Complete (\$000)</u>	<u>Total Cost (\$000)</u>	<u>Target Value of Contract</u>
Engineering/Technical Services	FFP/LOE	NGMS Ft. Hua, AZ	10.776	9.079	10/06	8.718	10/07	8.749	10/08	4.447	41.769	41.769
	FFP/LOE	Interop Ft. Hua, AZ	21.151	17.068	10/06	16.703	10/07	16.721	10/08	8.520	80.163	80.163
	FFP/LOE	NGIT Ft. Hua, AZ	11.728	10.169	10/06	9.449	10/07	9.483	10/08	4.820	45.649	45.649
Subtotal Contracts				36.316		34.870		34.953				
In-House				17.372		19.495		19.832				
Total Project				53.688		54.365		54.785				

R-1 Line Item No. 166

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Exhibit R-4, RDT&E Program Schedule Profile

Date: February 2008

Appropriation/Budget Activity  
RDT&E, Defense-Wide, 07

Program Element Number and Name  
PE 0208045K, C4I Interoperability

Project Number and Name  
T40, Major Range Test Facility Base  
(MRTFB)

Fiscal Year	2007				2008				2009				2010				2011				2012				2013							
	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																																
Base Operations																																
Facilities Lease																																
Award Fee																																
Contractor Management Spt																																
Consolidated Test Support																																
Test Operations																																
Net Readiness																																
Financial Staff Salaries																																
Internal Automated Systems																																
Policy and Certification Support																																
Test Tool Instrumentation																																
Leased Circuits																																
H/W and S/W Maintenance																																
System Administration																																
Functional Lab Support																																

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<b>Exhibit R-4a, RDT&amp;E Program Schedule Detail</b>		Date: February 2008
APPROPRIATION/BUDGET ACTIVITY RDT&E, Defense-Wide/07	PROGRAM ELEMENT NUMBER AND NAME PE 0208045K/C4I Interoperability	PROJECT NUMBER AND NAME T40/Major Range and Test Facility Base

Schedule Profile

	<u>FY 2007</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>
Develop and Implement Interoperability test systems to support warfighters	1Q-4Q						

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