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**Exhibit R-2, RDT&E Budget Item Justification:** PB 2011 Defense Information Systems Agency **DATE:** February 2010

<b>APPROPRIATION/BUDGET ACTIVITY</b> 0400: <i>Research, Development, Test &amp; Evaluation, Defense-Wide</i> BA 7: <i>Operational Systems Development</i>	<b>R-1 ITEM NOMENCLATURE</b> PE 0208045K: <i>C4I Interoperability</i>
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COST (\$ in Millions)	FY 2009 Actual	FY 2010 Estimate	FY 2011 Base Estimate	FY 2011 OCO Estimate	FY 2011 Total Estimate	FY 2012 Estimate	FY 2013 Estimate	FY 2014 Estimate	FY 2015 Estimate	Cost To Complete	Total Cost
Total Program Element	74.465	74.473	74.023	0.000	74.023	76.989	76.870	78.815	79.652	Continuing	Continuing
T30: <i>Test and Evaluation</i>	13.732	20.507	17.307	0.000	17.307	16.837	14.990	15.705	16.103	Continuing	Continuing
T40: <i>Major Range Test Facility Base</i>	60.733	53.966	56.716	0.000	56.716	60.152	61.880	63.110	63.549	Continuing	Continuing

**A. Mission Description and Budget Item Justification**

Supports the Defense Information Systems Agency Major Range and Test Facility Base (MRTFB), which includes the Joint Interoperability Test Command (JITC) and the Test Evaluation Management Center (TEMC). JITC is the sole interoperability test and evaluation (T&E) certifier for all Department of Defense (DoD) National Security Systems/Information Technology (NSS/IT) acquisitions. Additional core missions include supporting warfighters on technical NSS/IT issues, supporting the Department's NSS/IT joint capabilities acquisition process, and assisting Combatant Command-to-Coalition partner interoperability. JITC is the only Joint Operational Test Agency (OTA) for the Department. The MRTFB includes over 1,369 military, civilians, and contractor personnel and nearly 379,772 square feet of Command, Control, Communications, Computing and Intelligence (C4I)/Global Information Grid (GIG) testing laboratories.

In FY 2011, to ensure its relevancy to DoD and the warfighter community, the program will continue to manage and maintain its current capability base and continue to:

- Integrate evolving Service Oriented Architecture (SOA) and Net-Ready Key Performance Parameter (NR-KPP) concepts into DoD interoperability certification testing. This will enhance realistic operational test capabilities and reduce warfighter program risk.
- Expand test operations capability to provision, federate, and monitor required GIG T&E capabilities.
- Coordinate and manage functional area products required for Joint T&E of National Intelligence, Warfighting, and Business capabilities supporting Joint and Combined warfighting effectiveness.
- Provide consistent, repeatable test capabilities to make certain DoD-acquired NSS/IT capabilities are operationally effective and suitable; and, to certify joint warfighter capabilities are compatible with current fielded systems.

Lack of funding will delay or eliminate fielding of joint warfighting capabilities, increasing risk to programs and the warfighter. Test expertise, laboratory facilities, and proven methodologies will be reduced or eliminated, forcing Military Services and Defense Agencies to operate independently and use systems with critical operational issues. This would reduce or severely impact joint warfighting capabilities and the Department's ability to meet mission requirements and achieve information superiority.

**UNCLASSIFIED**

R-1 Line Item #186

Page 1 of 20

**UNCLASSIFIED**

<b>Exhibit R-2, RDT&amp;E Budget Item Justification:</b> PB 2011 Defense Information Systems Agency	<b>DATE:</b> February 2010
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<b>APPROPRIATION/BUDGET ACTIVITY</b> 0400: <i>Research, Development, Test &amp; Evaluation, Defense-Wide</i> BA 7: <i>Operational Systems Development</i>	<b>R-1 ITEM NOMENCLATURE</b> PE 0208045K: <i>C4I Interoperability</i>
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**B. Program Change Summary (\$ in Millions)**

	<u>FY 2009</u>	<u>FY 2010</u>	<u>FY 2011 Base</u>	<u>FY 2011 OCO</u>	<u>FY 2011 Total</u>
Previous President's Budget	76.019	74.786	0.000	0.000	0.000
Current President's Budget	74.465	74.473	74.023	0.000	74.023
Total Adjustments	-1.554	-0.313	74.023	0.000	74.023
• Congressional General Reductions		0.000			
• Congressional Directed Reductions		-0.313			
• Congressional Rescissions	0.000	0.000			
• Congressional Adds		0.000			
• Congressional Directed Transfers		0.000			
• Reprogrammings	-2.051	0.000			
• SBIR/STTR Transfer	0.000	0.000			
• Other Adjustments	0.497	0.000	74.023	0.000	74.023

**Change Summary Explanation**

FY 2009: The decrement of -\$2.051 million was available for reprogramming due to the deferment of a planned facility move from leased spaces to permanent spaces at JITC MRTFB, Ft. Huachuca. Approximately \$0.497 million was realigned to support mission testing requirements. FY 2010: The reduction of -\$0.313 is due to revised economic assumptions. FY 2011: The DoD did not estimate FY 2011 cost when the FY 2010 President's Budget was prepared.

**UNCLASSIFIED**

**UNCLASSIFIED**

**Exhibit R-2A, RDT&E Project Justification:** PB 2011 Defense Information Systems Agency **DATE:** February 2010

<b>APPROPRIATION/BUDGET ACTIVITY</b> 0400: <i>Research, Development, Test &amp; Evaluation, Defense-Wide</i> BA 7: <i>Operational Systems Development</i>	<b>R-1 ITEM NOMENCLATURE</b> PE 0208045K: <i>C4I Interoperability</i>	<b>PROJECT</b> T30: <i>Test and Evaluation</i>
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COST (\$ in Millions)	FY 2009 Actual	FY 2010 Estimate	FY 2011 Base Estimate	FY 2011 OCO Estimate	FY 2011 Total Estimate	FY 2012 Estimate	FY 2013 Estimate	FY 2014 Estimate	FY 2015 Estimate	Cost To Complete	Total Cost
<i>T30: Test and Evaluation</i>	13.732	20.507	17.307	0.000	17.307	16.837	14.990	15.705	16.103	Continuing	Continuing
Quantity of RDT&E Articles											

**A. Mission Description and Budget Item Justification**

The Joint Interoperability Test Command (JITC) provides direct interoperability support to Combatant Commanders (COCOMs) during exercises and contingency operations to ensure joint interoperability of the Department of Defense (DoD) National Security Systems/Information Technology (NSS/IT), and ensures successful combined operations with Allies and Coalition partners. JITC, as the only DoD 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 DISA, military Services, and other Agencies. JITC provides direct test support to COCOM operations in theater; as well as technical 24x7x365 Warfighter Command, Control, Communications, Computing and Intelligence (C4I) Hotline support. In support of this mission, JITC:

- Conducts annual distributed Joint Tactical Data Link (JTDL) hardware-in-the-loop (HWITL) interoperability test events to evaluate COCOM/Service/Agency warfighting capabilities and participating systems.
- Provides for planning, conducting, analyzing, and reporting of tri-annual DoD Interoperability Communications Exercises (DICE). This distributed Joint Task Force (JTF) network supports agile, responsive, and efficient testing and rapid deployment of Joint Warfighting communications capabilities.
- Provides a sustaining capability to support engineering, development, and operational evaluation of existing and legacy IT and NSS for DISA, Service Components, COCOMS, and DoD Agencies.
- Supports testing of the DoD Global Information Grid (GIG)-enabling programs and ensures that these capabilities are available to the DoD community to verify their own net-centric C4I warfighting capabilities.
- Provides enterprise messaging test and evaluation of Navy strategic systems by verifying the ability of systems to interoperate in a joint environment.

**B. Accomplishments/Planned Program (\$ in Millions)**

	FY 2009	FY 2010	FY 2011 Base	FY 2011 OCO	FY 2011 Total
Operational Test and Evaluation	1.305	2.000	1.339	0.000	1.339

**UNCLASSIFIED**

R-1 Line Item #186

Page 3 of 20



**UNCLASSIFIED**

<b>Exhibit R-2A, RDT&amp;E Project Justification:</b> PB 2011 Defense Information Systems Agency				<b>DATE:</b> February 2010				
<b>APPROPRIATION/BUDGET ACTIVITY</b> 0400: <i>Research, Development, Test &amp; Evaluation, Defense-Wide</i> BA 7: <i>Operational Systems Development</i>		<b>R-1 ITEM NOMENCLATURE</b> PE 0208045K: <i>C4I Interoperability</i>		<b>PROJECT</b> T30: <i>Test and Evaluation</i>				
<b>B. Accomplishments/Planned Program (\$ in Millions)</b>								
				<b>FY 2009</b>	<b>FY 2010</b>	<b>FY 2011 Base</b>	<b>FY 2011 OCO</b>	<b>FY 2011 Total</b>
If funding is reduced, implementation of testing capabilities to address emerging DoD test and evaluation acquisition reform initiatives and policies and continued development of integrated developmental test/operational test Joint testing strategies and capabilities for IT and NSS will not be accomplished.								
<b>Joint Interoperability Testing</b>  <i>FY 2009 Accomplishments:</i> FY 2009 Accomplishments: JITC supported three DICE events, with participation of over 60 systems/capabilities resulting in approximately 30 system/capability assessments or certifications. JITC also supported five Tactical Digital Information Link (TADIL) events with numerous DoD systems, two Combined Interoperability Tests (CIT), two North Atlantic Treaty Organization (NATO) HWITL interoperability tests, and 16 Navy Tactical and Legacy messaging system tests. In addition, JITC provided on-site exercise support for six events, operated a 24/7 hotline center, published a quarterly lessons learned report, and provided CIT support to Combatant Commanders.  <i>FY 2010 Plans:</i> In FY 2010, the Command is continuing to provide interoperability testing and certification services for the DoD's programs. As interoperability receives more attention, JITC will have to support a greater number of programs that need interoperability testing and certification. Further, the complexity of the systems and the current thought process for assessment at the system-of-systems level requires that JITC dedicate a greater portion of its resources to the establishment of a new methodology and associated test support practices and tools for assessment at the enterprise level. The variance of \$4.372 million between FY 2009 to FY 2010 reflects a redistribution of civilian pay and realignment of funding between Test/Evaluation (T30-direct) and Major Range Test Facility Base (T40-institutional) to reflect actual execution of resources.				9.165	13.537	12.800	0.000	12.800

**UNCLASSIFIED**





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<b>Exhibit R-2A, RDT&amp;E Project Justification:</b> PB 2011 Defense Information Systems Agency		<b>DATE:</b> February 2010
<b>APPROPRIATION/BUDGET ACTIVITY</b> 0400: <i>Research, Development, Test &amp; Evaluation, Defense-Wide</i> BA 7: <i>Operational Systems Development</i>	<b>R-1 ITEM NOMENCLATURE</b> PE 0208045K: <i>C4I Interoperability</i>	<b>PROJECT</b> T30: <i>Test and Evaluation</i>

**C. Other Program Funding Summary (\$ in Millions)**

<u>Line Item</u>	<u>FY 2009</u>	<u>FY 2010</u>	<u>FY 2011</u> <u>Base</u>	<u>FY 2011</u> <u>OCO</u>	<u>FY 2011</u> <u>Total</u>	<u>FY 2012</u>	<u>FY 2013</u>	<u>FY 2014</u>	<u>FY 2015</u>	<u>Cost To</u> <u>Complete</u>	<u>Total Cost</u>
• O&M, DW/PE 0208045K: O&M, DW	0.019	4.258	2.980		2.980	2.745	2.437	2.550	2.621	Continuing	Continuing

**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**

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 COCOM-related information technology issues identified and resolved; JITC personnel deployments; tests conducted; projects supported; and interoperability certifications issued.

**UNCLASSIFIED**

R-1 Line Item #186

Page 8 of 20

**UNCLASSIFIED**

**Exhibit R-3, RDT&E Project Cost Analysis: PB 2011 Defense Information Systems Agency** **DATE:** February 2010

<b>APPROPRIATION/BUDGET ACTIVITY</b> 0400: <i>Research, Development, Test &amp; Evaluation, Defense-Wide</i> BA 7: <i>Operational Systems Development</i>	<b>R-1 ITEM NOMENCLATURE</b> PE 0208045K: <i>C4I Interoperability</i>	<b>PROJECT</b> T30: <i>Test and Evaluation</i>
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**Support (\$ in Millions)**

Cost Category Item	Contract Method & Type	Performing Activity & Location	Total Prior Years Cost	FY 2010		FY 2011 Base		FY 2011 OCO		FY 2011 Total	Cost To Complete	Total Cost	Target Value of Contract
				Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost			
In-House Contracts	Various/ Various	N/A N/A	0.000	12.709	Jan 2009	10.913	Jan 2010	0.000		10.913	Continuing	Continuing	Continuing
<b>Subtotal</b>			0.000	12.709		10.913		0.000		10.913			

**Remarks**

**Test and Evaluation (\$ in Millions)**

Cost Category Item	Contract Method & Type	Performing Activity & Location	Total Prior Years Cost	FY 2010		FY 2011 Base		FY 2011 OCO		FY 2011 Total	Cost To Complete	Total Cost	Target Value of Contract
				Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost			
Engineering/ Technical Services 1	TM	NGMS Ft. Hua, AZ	26.036	3.143	Oct 2009	2.621	Oct 2010	0.000		2.621	Continuing	Continuing	Continuing
Engineering/ Technical Services 2	TM	Interop Ft. Hua, AZ	28.612	2.738	Oct 2009	2.302	Oct 2010	0.000		2.302	Continuing	Continuing	Continuing
Engineering/ Technical Services 3	TM	NGIT Ft. Hua, AZ	19.963	1.917	Oct 2009	1.471	Oct 2010	0.000		1.471	Continuing	Continuing	Continuing
<b>Subtotal</b>			74.611	7.798		6.394		0.000		6.394			

**Remarks**

**UNCLASSIFIED**

R-1 Line Item #186

Page 9 of 20



**UNCLASSIFIED**

<b>Exhibit R-4, RDT&amp;E Schedule Profile:</b> PB 2011 Defense Information Systems Agency		<b>DATE:</b> February 2010
<b>APPROPRIATION/BUDGET ACTIVITY</b> 0400: <i>Research, Development, Test &amp; Evaluation, Defense-Wide</i> BA 7: <i>Operational Systems Development</i>	<b>R-1 ITEM NOMENCLATURE</b> PE 0208045K: <i>C4I Interoperability</i>	<b>PROJECT</b> T30: <i>Test and Evaluation</i>

	FY 2009				FY 2010				FY 2011				FY 2012				FY 2013				FY 2014				FY 2015							
	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 (e.g, GCCS-J, NCES)	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■
Conduct joint interoperability test and certification on DoD C4I systems using the Joint Family of Tactical Data Links (TDL)	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■
Plan and conduct the Defense Interoperability Communications Exercise (DICE)	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■
Navy Message Legacy Systems	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■
Navy Tactical Message Systems	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■
Provide Joint/Combined Interoperability support to COCOM operations	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■
Operate 24/7 Interoperability hotline & Publish quarterly Lessons Learned reports	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■
Provide Joint/Combined Interoperability Test support to Combatant Commanders	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■

**UNCLASSIFIED**

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**Exhibit R-4A, RDT&E Schedule Details:** PB 2011 Defense Information Systems Agency **DATE:** February 2010

<b>APPROPRIATION/BUDGET ACTIVITY</b> 0400: <i>Research, Development, Test &amp; Evaluation, Defense-Wide</i> BA 7: <i>Operational Systems Development</i>	<b>R-1 ITEM NOMENCLATURE</b> PE 0208045K: <i>C4I Interoperability</i>	<b>PROJECT</b> T30: <i>Test and Evaluation</i>
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**Schedule Details**

Event	Start		End	
	Quarter	Year	Quarter	Year
Provide Operational Test & Evaluation (OT&E) of DISA acquired systems (e.g, GCCS-J, NCES)	1	2009	4	2015
Conduct joint interoperability test and certification on DoD C41 systems using the Joint Family of Tactical Data Links (TDL)	1	2009	4	2015
Plan and conduct the Defense Interoperability Communications Exercise (DICE)	1	2009	4	2015
Navy Message Legacy Systems	1	2009	4	2015
Navy Tactical Message Systems	1	2009	4	2015
Provide Joint/Combined Interoperability support to COCOM operations	1	2009	4	2015
Operate 24/7 Interoperability hotline & Publish quarterly Lessons Learned reports	1	2009	4	2015
Provide Joint/Combined Interoperability Test support to Combatant Commanders	1	2009	4	2015

**UNCLASSIFIED**

R-1 Line Item #186

Page 12 of 20

**UNCLASSIFIED**

<b>Exhibit R-2A, RDT&amp;E Project Justification:</b> PB 2011 Defense Information Systems Agency									<b>DATE:</b> February 2010		
<b>APPROPRIATION/BUDGET ACTIVITY</b> 0400: <i>Research, Development, Test &amp; Evaluation, Defense-Wide</i> BA 7: <i>Operational Systems Development</i>				<b>R-1 ITEM NOMENCLATURE</b> PE 0208045K: <i>C4I Interoperability</i>				<b>PROJECT</b> T40: <i>Major Range Test Facility Base</i>			
<b>COST (\$ in Millions)</b>	<b>FY 2009 Actual</b>	<b>FY 2010 Estimate</b>	<b>FY 2011 Base Estimate</b>	<b>FY 2011 OCO Estimate</b>	<b>FY 2011 Total Estimate</b>	<b>FY 2012 Estimate</b>	<b>FY 2013 Estimate</b>	<b>FY 2014 Estimate</b>	<b>FY 2015 Estimate</b>	<b>Cost To Complete</b>	<b>Total Cost</b>
T40: <i>Major Range Test Facility Base</i>	60.733	53.966	56.716	0.000	56.716	60.152	61.880	63.110	63.549	Continuing	Continuing
Quantity of RDT&E Articles											

**A. Mission Description and Budget Item Justification**

Provides institutional funds for the Defense Information Systems Agency (DISA) Major Range and Test Facility Base (MRTFB) in accordance with Section 196 of Title 10, United States Code. This provides the Department's only National Security System/Information Technology (NSS/IT) and MRTFB capability, and as an MRTFB is considered a national asset.

In support of this mission, the MRTFB:

- Enables direct test support to all Department of Defense (DoD) major NSS/IT acquisitions by providing:
  - o Necessary test capabilities and facilities infrastructure.
  - o Process tracking and reporting systems.
  - o Environment and test tool enhancements, which:
    - Improve testing methodologies, operational timelines, and operational test realism.
    - Allow testing efforts to keep pace with technology.
- Provides a single DoD test environment for Services and Agencies to evaluate their NSS/IT capabilities.
  - o Prevents duplication of capabilities.
  - o Precludes each Service from having to maintain a stove-piped, Service-unique capability.
  - o Provides an overarching Joint infrastructure approach to enhance the DoD ability to fulfill Joint Interoperable Command, Control, Communications, Computing and Intelligence (C4I) warfighting mission.
  - o Provides a Joint Test and Evaluation network by converging current test networks that meet the entire spectrum of DoD acquisition process life cycle needs.
- Enables DISA's MRTFB to continue to implement Net Readiness Capabilities Resources (NRCR) to conduct agile, on-demand test services for the Department by providing:
  - o The DoD with a lifecycle support capability for DoD's tactical and strategic networks and their interfaces.
  - o Communications and test environments for current and future Converged Real-time Internet Protocol (IP) services for net-centric systems.
- Includes working with industry consortiums on best practices, investing in process based modeling and simulation, and evolving standards-based frameworks to support testing and analysis as a service. Also includes evolving and virtualizing the laboratories to meet future technology changes and enhancements in hardware and testing software with an emphasis on unified capabilities requirements (UCR), and service oriented architectures (SOA) enabled net-centric capabilities.

**UNCLASSIFIED**

**UNCLASSIFIED**

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<b>B. Accomplishments/Planned Program (\$ in Millions)</b>								
				<b>FY 2009</b>	<b>FY 2010</b>	<b>FY 2011 Base</b>	<b>FY 2011 OCO</b>	<b>FY 2011 Total</b>
Interoperability Test Support  <i>FY 2009 Accomplishments:</i> Funded the DISA MRTFB institutional efforts associated with operating the Joint Interoperability Test Command (JITC) at Indian Head, MD, and Fort Huachuca, AZ and the Test and Evaluation Management Center (TEMC) at Falls Church, VA, including base and test operations and maintenance, multi-purpose testbed infrastructures and labs, civilian pay, contract management, communications and automation support, and development of T&E standards, policies, and procedures. In addition, funding was used for net readiness T&E, multi-functional lab capabilities, Information Assurance (IA), data management/simulation, and formalized process improvement via Lean Six Sigma implementation. The Command was also very successful in establishing the infrastructure to assess the net-centric systems at the enterprise level. These assessments included acquiring the Enterprise Service Management tools and expertise for a demanding test and evaluation area.  <i>FY 2010 Plans:</i> In addition to the MRTFB institutional efforts detailed above, funds will be used to improve information and knowledge management operations and tools, revitalize testbeds and labs, establish a Net Ready-Key Performance Parameter (NR-KPP) helpdesk, develop and enhance IA systems, provide operational test/developmental test and net-centric/Service Oriented Architecture (NC/SOA) instrumentation support, and develop IA UCRs. The variance of -\$6.767 million between FY 2009 to FY 2010 reflects a redistribution of civilian pay and realignment of funding between Test/Evaluation (T30-direct) and Major Range Test Facility Base (T40-institutional) to reflect actual execution of resources.  <i>FY 2011 Base Plans:</i> Funds will be used for DISA MRTFB institutional efforts, as well as the construction of virtual communications capabilities; enhanced laboratory upgrades; and development, implementation,				60.733	53.966	56.716	0.000	56.716

**UNCLASSIFIED**

R-1 Line Item #186

Page 14 of 20

**UNCLASSIFIED**

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<b>B. Accomplishments/Planned Program (\$ in Millions)</b>								
				<b>FY 2009</b>	<b>FY 2010</b>	<b>FY 2011 Base</b>	<b>FY 2011 OCO</b>	<b>FY 2011 Total</b>
<p>and maintenance of the MRTFB's enterprise testing tools necessary to provide DoD with a Center of Excellence for testing of net-centric systems in a realistic operational environment. The laboratory and testing software enhancements will allow testing efforts to keep pace with the rapid change in technology. This initiative requires, at a minimum, refreshing on a periodic basis (approximately every two years). These initiatives will not only improve the infrastructure, but help the Command gain efficiencies through the use of virtual and federated concepts to provide optimal flexibility in a dynamic IT laboratory environment. The increase of \$2.750 million from FY 2010 to FY 2011 reflects a redistribution of civilian pay to correlate with full-time equivalent (FTE) billets and a realignment of funding between Test/Evaluation (T30-Direct) and Major Range Test Facility Base (T40-Institutional) for increased institutional costs.</p> <p>If funding is reduced, test expertise, laboratory facilities, instrumentation, and automated analysis capabilities for the only DoD Agency authorized to certify joint interoperability will be eliminated. These capabilities would need to be replicated within the Services to ensure that the DoD fields interoperable joint warfighting capabilities to meet mission requirements; creating duplication, inefficiencies, and increased costs. The Military Services and Defense Agencies would operate independently and fail to achieve Joint Interoperable warfighting capability requirements. Without this testing support, at a minimum, deployment cycles would be delayed and/or eliminated, systems could be deployed with potentially critical operational issues, reducing or eliminating the warfighter's ability to communicate effectively or accomplish missions. The loss of any one of these capabilities would be to the detriment of the DoD. The costs to replicate these capabilities could not be afforded, increasing risk to the warfighter and our Nation's ability to achieve information superiority.</p>								
Accomplishments/Planned Programs Subtotals				60.733	53.966	56.716	0.000	56.716

**UNCLASSIFIED**

R-1 Line Item #186

Page 15 of 20

**UNCLASSIFIED**

<b>Exhibit R-2A, RDT&amp;E Project Justification:</b> PB 2011 Defense Information Systems Agency		<b>DATE:</b> February 2010
<b>APPROPRIATION/BUDGET ACTIVITY</b> 0400: <i>Research, Development, Test &amp; Evaluation, Defense-Wide</i> BA 7: <i>Operational Systems Development</i>	<b>R-1 ITEM NOMENCLATURE</b> PE 0208045K: <i>C4I Interoperability</i>	<b>PROJECT</b> T40: <i>Major Range Test Facility Base</i>

**C. Other Program Funding Summary (\$ in Millions)**

<u>Line Item</u>	<u>FY 2009</u>	<u>FY 2010</u>	<u>FY 2011</u> <u>Base</u>	<u>FY 2011</u> <u>OCO</u>	<u>FY 2011</u> <u>Total</u>	<u>FY 2012</u>	<u>FY 2013</u>	<u>FY 2014</u>	<u>FY 2015</u>	<u>Cost To</u> <u>Complete</u>	<u>Total Cost</u>
• O&M, DW/PE 0208045K: O&M, DW	11.520	9.994	10.423		10.423	10.282	10.314	10.559	10.691	Continuing	Continuing

**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**

This project provides the laboratories, test environment, and expertise to support:

- Over 240 test activities involving over 150 DoD systems.
- Testing of approximately 30 ACAT I programs.
- Over 300 interoperability testing and certification related products.
- Roughly 400 Interim Certificate to Operate (ICTO) requests.
- Review of over 100 Test Exemption, Information Support Plan (ISP), and Legacy Waiver requests.
- Nearly 379,772 square feet of C4I/GIG testing laboratories.

Information Technology (IT) plays a significant role in DoD's infrastructure, with emphasis on interoperability by the Office of the Secretary of Defense and Services, JITC expects mission testing to increase. The number of IT systems listed in the DoD Information Technology Portfolio Repository (DITPR) increased by 17% from FY 2008 to FY 2009.

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**Exhibit R-3, RDT&E Project Cost Analysis: PB 2011 Defense Information Systems Agency** **DATE:** February 2010

<b>APPROPRIATION/BUDGET ACTIVITY</b> 0400: <i>Research, Development, Test &amp; Evaluation, Defense-Wide</i> BA 7: <i>Operational Systems Development</i>	<b>R-1 ITEM NOMENCLATURE</b> PE 0208045K: <i>C4I Interoperability</i>	<b>PROJECT</b> T40: <i>Major Range Test Facility Base</i>
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**Support (\$ in Millions)**

Cost Category Item	Contract Method & Type	Performing Activity & Location	Total Prior Years Cost	FY 2010		FY 2011 Base		FY 2011 OCO		FY 2011 Total	Cost To Complete	Total Cost	Target Value of Contract
				Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost			
In-House Contracts	Various/ Various	N/A N/A	0.000	29.796	Jan 2009	30.853	Jan 2010	0.000		30.853	Continuing	Continuing	Continuing
<b>Subtotal</b>			0.000	29.796		30.853		0.000		30.853			

**Remarks**

**Test and Evaluation (\$ in Millions)**

Cost Category Item	Contract Method & Type	Performing Activity & Location	Total Prior Years Cost	FY 2010		FY 2011 Base		FY 2011 OCO		FY 2011 Total	Cost To Complete	Total Cost	Target Value of Contract
				Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost			
Engineering/ Technical Services 1	TM	NGMS Ft. Hua, AZ	37.945	8.702	Oct 2009	9.311	Oct 2010	0.000		9.311	Continuing	Continuing	Continuing
Engineering/ Technical Services 2	TM	Interop Ft. Hua, AZ	59.201	10.393	Oct 2009	11.121	Oct 2010	0.000		11.121	Continuing	Continuing	Continuing
Engineering/ Technical Services 3	TM	NGIT Ft. Hua, AZ	32.074	5.075	Oct 2009	5.431	Oct 2010	0.000		5.431	Continuing	Continuing	Continuing
Engineering/ Technical Services 4	TBD/TBD	TBD TBD	0.000	0.000		0.000	Oct 2010	0.000		0.000	Continuing	Continuing	Continuing
<b>Subtotal</b>			129.220	24.170		25.863		0.000		25.863			

**Remarks**

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**Exhibit R-4, RDT&E Schedule Profile:** PB 2011 Defense Information Systems Agency **DATE:** February 2010

<b>APPROPRIATION/BUDGET ACTIVITY</b> 0400: <i>Research, Development, Test &amp; Evaluation, Defense-Wide</i> BA 7: <i>Operational Systems Development</i>	<b>R-1 ITEM NOMENCLATURE</b> PE 0208045K: <i>C4I Interoperability</i>	<b>PROJECT</b> T40: <i>Major Range Test Facility Base</i>
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	FY 2009				FY 2010				FY 2011				FY 2012				FY 2013				FY 2014				FY 2015							
	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				
Develop and Implement Interoperability test systems to support warfighters	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■

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**Exhibit R-4A, RDT&E Schedule Details:** PB 2011 Defense Information Systems Agency **DATE:** February 2010

<b>APPROPRIATION/BUDGET ACTIVITY</b> 0400: <i>Research, Development, Test &amp; Evaluation, Defense-Wide</i> BA 7: <i>Operational Systems Development</i>	<b>R-1 ITEM NOMENCLATURE</b> PE 0208045K: <i>C4I Interoperability</i>	<b>PROJECT</b> T40: <i>Major Range Test Facility Base</i>
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Schedule Details

Event	Start		End	
	Quarter	Year	Quarter	Year
Develop and Implement Interoperability test systems to support warfighters	1	2009	4	2015

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