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Exhibit R-2, RDT&E Budget Item Justification: PB 2017 Defense Information Systems Agency **Date:** February 2016

Appropriation/Budget Activity 0400: <i>Research, Development, Test & Evaluation, Defense-Wide I BA 7: Operational Systems Development</i>	R-1 Program Element (Number/Name) PE 0208045K / C4I Interoperability
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COST (\$ in Millions)	Prior Years	FY 2015	FY 2016	FY 2017 Base	FY 2017 OCO	FY 2017 Total	FY 2018	FY 2019	FY 2020	FY 2021	Cost To Complete	Total Cost
Total Program Element	568.205	62.902	63.341	57.501	-	57.501	59.657	62.856	63.564	64.836	Continuing	Continuing
T30: <i>MRTFB Test and Evaluation</i>	144.296	9.865	8.072	7.624	-	7.624	7.693	7.829	7.828	7.988	Continuing	Continuing
T40: <i>Major Range Test Facility Base Operations</i>	423.909	53.037	55.269	49.877	-	49.877	51.964	55.027	55.736	56.848	Continuing	Continuing

A. Mission Description and Budget Item Justification

The Defense Information Systems Agency's Joint Interoperability Test Command (JITC) serves as the only joint element of the Department of Defense's (DoD's) Major Range and Test Facility Base (MRTFB) that is operated primarily for Information Technology and National Security Systems (IT/NSS) Test and Evaluation (T&E) support missions. JITC executes the T&E mission in support of Command, Control, Communications, Computers and Intelligence (C4I), and is the DoD's Sole Interoperability Certifier and the only Non-Service Operational Test Agency.

With a focus on T&E for IT, JITC has the unique mission to provide consistent, structured, and effective T&E services that include converged information environment, Cyber, Cloud services, Mobility and NSS. JITC also has the responsibility for ensuring Joint/Coalition interoperability; issuing Interoperability Certifications; conducting Operational Evaluations; maintaining a federated IT infrastructure as a MRTFB Activity and providing direct interoperability support to the warfighter by ensuring Joint warfighting capabilities are interoperable and support mission needs.

B. Program Change Summary (\$ in Millions)	<u>FY 2015</u>	<u>FY 2016</u>	<u>FY 2017 Base</u>	<u>FY 2017 OCO</u>	<u>FY 2017 Total</u>
Previous President's Budget	63.558	64.921	59.675	-	59.675
Current President's Budget	62.902	63.341	57.501	-	57.501
Total Adjustments	-0.656	-1.580	-2.174	-	-2.174
• Congressional General Reductions	-	-	-	-	-
• Congressional Directed Reductions	-	-1.580	-	-	-
• Congressional Rescissions	-	-	-	-	-
• Congressional Adds	-	-	-	-	-
• Congressional Directed Transfers	-	-	-	-	-
• Reprogrammings	-	-	-	-	-
• SBIR/STTR Transfer	-	-	-	-	-
• Other Adjustment	-0.656	-	-2.174	-	-2.174

Change Summary Explanation

The decrease of -\$0.656 in FY 2015 is the result of reductions in T&E infrastructure requirements gained through implementation of a converged T&E capabilities and information environments.

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Appropriation/Budget Activity
0400: *Research, Development, Test & Evaluation, Defense-Wide* / BA 7:
Operational Systems Development

R-1 Program Element (Number/Name)
PE 0208045K / *C4I Interoperability*

The decrease of -\$1.580 in FY 2016 is the result of increased use of virtualization and cloud technologies to provide automation and services.

The decrease of -\$2.174 in FY 2017 is the result of reductions in development of enterprise T&E methods, tools, and efficiencies gained through increased use of virtualization and cloud technologies in business and test bed operations.

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Exhibit R-2A, RDT&E Project Justification: PB 2017 Defense Information Systems Agency										Date: February 2016		
Appropriation/Budget Activity 0400 / 7					R-1 Program Element (Number/Name) PE 0208045K / C4I Interoperability				Project (Number/Name) T30 / MRTFB Test and Evaluation			
COST (\$ in Millions)	Prior Years	FY 2015	FY 2016	FY 2017 Base	FY 2017 OCO	FY 2017 Total	FY 2018	FY 2019	FY 2020	FY 2021	Cost To Complete	Total Cost
T30: MRTFB Test and Evaluation	144.296	9.865	8.072	7.624	-	7.624	7.693	7.829	7.828	7.988	Continuing	Continuing
Quantity of RDT&E Articles	-	-	-	-	-	-	-	-	-	-		

A. Mission Description and Budget Item Justification

The Defense Information Systems Agency (DISA), through the Joint Interoperability Test Command (JITC), manages the Department's Interoperability Test, Evaluation, and Certification process that is structured to provide meaningful and independent test results in order to increase stakeholder confidence. The objectives, of the Test and Evaluation (T&E) activities, are to validate that DISA's (and the Department's, where appropriate) deliverables have met operational requirements. The T&E activities target evaluation strategies in the design, development, operational, integration and/or sustainment aspects of every program requiring support. DISA's T&E efforts span a variety of test categories supporting DISA's delivery of Department-wide enterprise solutions as well as Service, Agency, and mission partner developmental, operational, Information Assurance, and interoperability testing, validation and certification efforts. These efforts are focused on T&E for Information Technology (IT) that includes the Joint Information Environment (JIE), Cyber, Cloud services, and Mobility.

As the Department of Defense (DoD) Joint Interoperability Certification Authority, JITC annually:

- Issues hundreds of interoperability testing and certification related products.
- Manages the scheduling and executes multiple annual distributed Joint Tactical Data Link hardware in the loop interoperability test events. These events are designed to evaluate, certify and re-certify Service/Agency Tactical Data systems.
- Reviews hundreds of Joint Capabilities Integration and Development System documents, interoperability support plans and Legacy Waiver requests on behalf of the DoD Chief Information Officer (CIO) and the Joint Staff.
- Serves as executive agent to DoD Interoperability Steering Group, in support of the DoD CIO, and uses this forum to coordinate policy, adjudicate issues, and to process Interim Certificates to Operate.
- Ensures interoperability test and certification standard practices and procedures are in accordance with DoD policy, and reviews and issues over 600 Joint interoperability certifications annually for DoD's Information Technology and National Security Systems (IT/NSS).
- Manages the scheduling and prioritization of multiple annual distributed Joint Tactical Data Link simulated test events using real components (hardware in the loop interoperability test events) designed to evaluate, certify and re-certify Service/Agency Tactical systems.

JITC provides interoperability test support to Joint, Coalition and Allied operations in theater by providing Interoperability test support within the area of responsibility and supports exercises intended to evaluate Joint, Coalition and Allied operations in, or planning to deploy to theater by:

- Providing on-demand rapid response contingency support to Regional Combatant Commands (COCOMs) as required, and conducting assessments of interoperability exercises.
- Conducting assessments during three of the largest interoperability exercises (the Endeavors).
- Broadening its support to the Joint Staff and functional COCOMs with a multitude of interoperability assessment services.
- Maintaining a 24x7 Warfighter Command, Control, Communications, Computers and Intelligence (C4I) Interoperability Hotline that connects warfighters to subject matter experts to resolve IT interoperability challenges.

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Appropriation/Budget Activity 0400 / 7	R-1 Program Element (Number/Name) PE 0208045K / <i>C4I Interoperability</i>	Project (Number/Name) T30 / <i>MRTFB Test and Evaluation</i>
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- Establishing the framework for the conduct of annual independent evaluations and the status of interoperability through DoD Interoperability Communications Exercises (DICE).
- Emulating a distributed Joint Task Force network, providing realism and operational significance during the assessments and evaluations of data integrity, interfacing and responsiveness coupled with efficient configuration tactics, techniques, and procedures.
- Including first responder local and federal communications as part of the task force.

As the only non-Service Operational Test Agency (OTA) within DoD, JITC conducts operational testing of IT/NSS under realistic conditions to determine the operational effectiveness, suitability, interoperability, and security; and independently assesses the operational impact of system issues on mission accomplishment. JITC is the OTA for DISA-managed programs, and also upon request serves as the OTA for other Agencies such as the Defense Logistics Agency, Department of Homeland Security, and the National Security Agency.

JITC designs Operational Test and Evaluation (OT&E) events to determine if IT/NSS meet user requirements, offering sustaining support services to users to assist Acquisition Program Managers with meeting their overall milestone objectives.

JITC focuses its efforts towards core T&E improvements, better T&E policy for IT/NSS and designing new test methodologies to better assess Enterprise Service systems, aligning with the Information Technology Service Management model evaluating fulfillment services for suitability.

The T&E project supports the strategy development and investment plans in support of maintaining, improving and operating the DISA Major Range and Test Facility Base (MRTFB). Specific goals for DISA's MRTFB each year are to:

- Integrate evolving technologies that are able to leverage efficiencies such as virtualization, enterprise elements such as Infrastructure as a Service and Platform as a Service, and the foundational Cyber assets mandated by the JIE.
- Expand test infrastructure and operations to allow for rapid, on-demand provisioning, and federation across the DoD and Cyber integration with enterprise environments.
- Design consistent, repeatable test methodologies that ensure efficient T&E on changing or emerging technologies.
- Provide T&E guidance/oversight to nearly 130 DISA programs, creating synergy and efficiencies across the large DISA IT portfolio, gaining insight in new technologies and commercial best practices.

B. Accomplishments/Planned Programs (\$ in Millions)

	FY 2015	FY 2016	FY 2017
<p>Title: DoD's Joint Interoperability Certification Authority</p> <p>Description: Plans and executes interoperability certifications for Department of Defense's (DoD) Information Technology and National Security Systems (IT/NSS) by evaluating joint military operations, conformance to standards, and participating in developmental testing or executing purposefully planned Interoperability Test Events.</p> <p>FY 2015 Accomplishments:</p>	8.820	7.096	6.704

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B. Accomplishments/Planned Programs (\$ in Millions)		FY 2015	FY 2016	FY 2017	
<p>Assured interoperability controls were met by conducting T&E on IT/NSS and acquisition programs. Provided interoperability test support for the DoD's migration to a converged enterprise environment. Supported JIE by providing interoperability test, evaluation and certification support.</p> <p>Supported the secure operationalized interoperability of the JIE by developing policies and methodologies for the conduct of T&E on enterprise services, cyber security capabilities, cloud computing and brokering, and mobile devices and applications. Provided interoperability test, evaluation and certification support for JIE capabilities from the infrastructure to applications and continued to refine policies and test and evaluation methodologies as new technologies and approaches for JIE migration were developed and deployed.</p> <p>FY 2016 Plans: Focus on new T&E capabilities designed to add flexibility and enhance collaboration with partners to improve T&E services. Leverage cloud and virtual technologies to provide automation and services that are more agile than physical test environments. Continue to capitalize on big data analytics and tools to conduct data analysis in the operational environment allowing for continuous assessment of overall performance, providing a means to define trends, focus test events, as well as reduce risk through continuous monitoring and evaluation.</p> <p>The decrease of -\$1.724 from FY 2015 to FY 2016 is due to increased use of virtualization and cloud technologies to provide automation and services; and the reduction of contractor support due to phase-out of (DICE) Tactical Edge Testbed and methodology development by end of FY 2016.</p> <p>FY 2017 Plans: Continue to enhance current T&E capabilities by employing automation technologies making these capabilities accessible to customers via the cloud in a self-service mode. Employ new technology and methodology to conduct data analysis in the operational environment promoting continuous assessment of capability performance resulting in identification/analysis of trends impacting ability to focus test events and reduce risk.</p> <p>The decrease of -\$0.392 from FY 2016 to FY 2017 is due to the automation of T&E services through the use of virtualization and cloud technologies thus reducing contractor support for these services and the reduction of contractor support for DICE Tactical Edge Testbed and methodology development completely phased out at the end of FY 2016.</p>					
Title: Operational Test and Evaluation		0.783	0.856	0.800	
Description: Conduct operational testing of IT/NSS under realistic operational conditions to determine the operational effectiveness, suitability, interoperability, and security of a particular system. Independently assesses the operational impact of system issues on mission accomplishment.					

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Appropriation/Budget Activity 0400 / 7	R-1 Program Element (Number/Name) PE 0208045K / C4I Interoperability	Project (Number/Name) T30 / MRTFB Test and Evaluation
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B. Accomplishments/Planned Programs (\$ in Millions)	FY 2015	FY 2016	FY 2017
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<p><i>FY 2015 Accomplishments:</i> Provided OT&E for the JIE to ensure IT capabilities were effective, suitable, and secure. Provided continuing OT&E support to COCOMs, Military Services, and Defense Agencies, as requested.</p> <p><i>FY 2016 Plans:</i> Improve OT&E processes, procedures, and tools to evolve operational testing capabilities through the use of virtualization to emulate users and devices to better evaluate performance. Provide OT&E for JIE to ensure capabilities are effective, suitable, interoperable, and secure. Provide continuing OT&E support to COCOMs, Military Services, and Defense Agencies, as requested.</p> <p>The increase of +\$0.073 from FY 2015 to FY 2016 is for development of new methodologies for the conduct of OT&E.</p> <p><i>FY 2017 Plans:</i> Will continue to enhance OT&E processes, procedures, and tools through the use of automation and virtualization to improve operational testing capabilities for evolving requirements to better evaluate performance. Will provide OT&E support to COCOMs, Military Services, and Defense Agencies as requested.</p> <p>The decrease of -\$0.056 from FY 2016 to FY 2017 is due to transition of OT&E support for JIE contract reductions for delivery of testing tools.</p>			
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<p><i>Title:</i> Support to Warfighter</p> <p><i>Description:</i> Provides pre/post-production evaluations including: collecting relevant data during a continuous monitoring effort, and providing on-the-spot evaluations of problem areas and viable mission-oriented solutions to warfighting COCOMs during exercises and contingency operations.</p> <p><i>FY 2015 Accomplishments:</i> Warfighter support was eliminated in some regions and focused primarily on the Asia Pacific region, consistent with the National Defense Strategy. Warfighter capability sustained to respond to critical fielded system issues only.</p> <p><i>FY 2016 Plans:</i> Focus support primarily on the Asia Pacific region, consistent with the National Defense Strategy. Sustain a Warfighter Support capability to respond to critical fielded system issues only.</p> <p>The decrease of -\$0.142 from FY 2015 to FY 2016 is due to reduction or elimination of support consistent with the National Defense Strategy.</p> <p><i>FY 2017 Plans:</i></p>	0.262	0.120	0.120
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B. Accomplishments/Planned Programs (\$ in Millions)	FY 2015	FY 2016	FY 2017
Support focused primarily on the Asia Pacific region will continue, consistent with the National Defense Strategy. Will sustain a Warfighter Support capability sufficient to respond to critical fielded system issues only.			
Accomplishments/Planned Programs Subtotals	9.865	8.072	7.624

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

N/A

Remarks

D. Acquisition Strategy

T&E Mission Support Services (MSS) cost plus and firm fixed price contract provides T&E support by performing a wide range of non-personal services to encompass testing, scientific, engineering, logistic, administrative, and ancillary support of the DISA T&E missions. The T&E MSS contract provides for expansion and contraction of staff years as workload dictates.

E. Performance Metrics

JITC manages the Department's Joint Interoperability Test, Evaluation, and Certification process and Operational testing for Information Technology (IT)/National Security Systems (NSS) as well as test and evaluation activities for DISA's deliverables ensuring they have met operational requirements. JITC develops test and evaluation strategies, plan, and reports in the design, development, operational, integration and/or sustainment aspects of every program requiring support. Specific metrics are described below:

1. Metric: Provide operational test plans prior to the start date of a test for all customers where JITC is the OTA.

Measure/Goal: 90%
 FY15 Actual: 84.62%
 FY16 Target: 95%
 FY17 Target: 95%

2. Metric: Provide operational test reports no later than 60 days after the completion of a test event when JITC is the responsible OTA.

Measure/Goal: 90%
 FY15 Actual: 63.64%
 FY16 Target: 95%
 FY17 Target: 95%

3. Provide a interoperability certification letter to customers (JS, COCOMS,AT&L, etc) no later than 60 days from the completion of the test event/effort.

Measure/Goal: 95%
 FY15 Actual: 95%

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Appropriation/Budget Activity	R-1 Program Element (Number/Name)	Project (Number/Name)
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FY16 Target: 95%
FY17 Target: 95%

4. JITC surveys customers for each product that is delivered (POA&Ms, test Plans, Test Reports, etc.) in terms of cost, schedule, and overall performance on a 1-5 scale with 5 being the highest rating.

Measure/Goal: 4.5
FY15 Actual: 4.4
FY16 Target: 4.5
FY17 Target: 4.5

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Exhibit R-3, RDT&E Project Cost Analysis: PB 2017 Defense Information Systems Agency **Date:** February 2016

Appropriation/Budget Activity 0400 / 7	R-1 Program Element (Number/Name) PE 0208045K / C4I Interoperability	Project (Number/Name) T30 / MRTFB Test and Evaluation
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Test and Evaluation (\$ in Millions)				FY 2015		FY 2016		FY 2017 Base		FY 2017 OCO		FY 2017 Total	Cost To Complete	Total Cost	Target Value of Contract
Cost Category Item	Contract Method & Type	Performing Activity & Location	Prior Years	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost			
Test and Evaluation	C/T&M	Northrop Grumman Mission System : Ft. Huachuca, AZ	36.487	-		-		-		-		-	0.000	36.487	36.487
Test and Evaluation	C/T&M	Interop Joint Venture : Ft. Huachuca, AZ	44.342	-		-		-		-		-	0.000	44.342	44.342
Test and Evaluation	C/T&M	Northrop Grumman Information Technology : Ft. Huachuca, AZ	25.831	-		-		-		-		-	0.000	25.831	25.831
Test and Evaluation	C/Various	Various : Various	11.110	3.966	Oct 2014	-		-		-		-	Continuing	Continuing	Continuing
Test and Evaluation	Option/CPFF	ALION SCIENCE & TECHNOLOGY CORP : Various	-	-		0.004	Oct 2015	0.004	Oct 2016	-		0.004	Continuing	Continuing	Continuing
Test and Evaluation	Option/CPFF	AMERICAN SYSTEMS CORP : Various	-	-		0.066	Oct 2015	0.063	Oct 2016	-		0.063	Continuing	Continuing	Continuing
Test and Evaluation	Option/CPFF	MANTECH TELECOMMUNICATIONS AND INFORMATION : Various	-	-		0.293	Oct 2015	0.277	Oct 2016	-		0.277	Continuing	Continuing	Continuing
Test and Evaluation	Option/CPFF	OBERON ASSOCIATES : Various	-	-		0.056	Oct 2015	0.053	Oct 2016	-		0.053	Continuing	Continuing	Continuing
Test and Evaluation	Option/CPFF	TASC, INC. : Various	-	-		1.174	Oct 2015	1.111	Oct 2016	-		1.111	Continuing	Continuing	Continuing
Test and Evaluation	Option/FFP	Multiple : Various	-	-		0.776		0.734	Oct 2016	-		0.734	Continuing	Continuing	Continuing
Subtotal			117.770	3.966		2.369		2.242		-		2.242	-	-	-

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Exhibit R-4, RDT&E Schedule Profile: PB 2017 Defense Information Systems Agency **Date:** February 2016

Appropriation/Budget Activity 0400 / 7	R-1 Program Element (Number/Name) PE 0208045K / C4I Interoperability	Project (Number/Name) T30 / MRTFB Test and Evaluation
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FY 2015				FY 2016				FY 2017				FY 2018				FY 2019				FY 2020				FY 2021			
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

<i>MRTFB Test and Evaluation</i>																												
Provide Operational Test & Evaluation (OT&E) of DISA acquired systems																												
Conduct joint interoperability test and certification on IT/NSS using the Joint Family of Tactical Data Links (TDL)																												
Operate 24/7 Interoperability Hotline																												
Provide Joint/Combined Interoperability Test support to Combatant Commanders																												
Provide JIE Compliance Test and Evaluation framework and infrastructure																												
Provide Cyberspace Test and Evaluation framework and infrastructure																												
Plan and conduct the Defense Interoperability Communications Exercise (DICE)																												

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Exhibit R-4A, RDT&E Schedule Details: PB 2017 Defense Information Systems Agency **Date:** February 2016

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Schedule Details

Events by Sub Project	Start		End	
	Quarter	Year	Quarter	Year
<i>MRTFB Test and Evaluation</i>				
Provide Operational Test & Evaluation (OT&E) of DISA acquired systems	1	2015	4	2021
Conduct joint interoperability test and certification on IT/NSS using the Joint Family of Tactical Data Links (TDL)	1	2015	4	2021
Operate 24/7 Interoperability Hotline	1	2015	4	2021
Provide Joint/Combined Interoperability Test support to Combatant Commanders	1	2015	4	2021
Provide JIE Compliance Test and Evaluation framework and infrastructure	1	2015	4	2021
Provide Cyberspace Test and Evaluation framework and infrastructure	1	2015	4	2021
Plan and conduct the Defense Interoperability Communications Exercise (DICE)	3	2015	1	2017

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COST (\$ in Millions)	Prior Years	FY 2015	FY 2016	FY 2017 Base	FY 2017 OCO	FY 2017 Total	FY 2018	FY 2019	FY 2020	FY 2021	Cost To Complete	Total Cost
T40: Major Range Test Facility Base Operations	423.909	53.037	55.269	49.877	-	49.877	51.964	55.027	55.736	56.848	Continuing	Continuing
Quantity of RDT&E Articles	-	-	-	-	-	-	-	-	-	-		

A. Mission Description and Budget Item Justification

As the only non-Service activity of the Department of Defense (DoD) Major Range and Test Facility Base (MRTFB), Defense Information Systems Agency (DISA) provides the only dedicated Information Technology (IT) environment investing in a single end-to-end infrastructure for testing the Enterprise Edge to the Tactical Edge. As an MRTFB, Joint Interoperability Test Command (JITC) provides tested IT infrastructure products to the DoD, Federal/non-Federal Government, Commercial vendors, and Allied partners.

The DISA MRTFB infrastructure:

- Encompasses three geographic locations (Ft. Huachuca, AZ; Indian Head, MD; Ft. Meade, MD).
- Comprises 140K square feet of raised floor space and four acres of outdoor IT range space that is divided into 47 unique environments reachable through eight different communication networks.
- Complies with multiple levels of security and is scaled to support approximately 1,000 annual testing events to evaluate the DoD's converged information environment, Cyber, Cloud services, Mobility, and National Security Systems (NSS).
- Encompasses more than 200 IT systems, reference implementations, and testing tools to aid both test execution and data collection/analysis.

B. Accomplishments/Planned Programs (\$ in Millions)

	FY 2015	FY 2016	FY 2017
Title: MRTFB Improvements and Operations	53.037	55.269	49.877
Description: Information Technology and National Security Systems (IT/NSS), Command and Control (C2), Defense reform initiatives, and the Department of Defense's (DoD's) migration towards more agile development and acquisition of IT capabilities by providing Test and Evaluation (T&E) support, including infrastructure, testing capabilities and events, policies and processes to Regional Combatant Commands (COCOMS), Military Services, DoD Agencies, other Federal Government agencies, private industry, Coalition partners and allies.			
FY 2015 Accomplishments: As an MRTFB, Joint Interoperability Test Command (JITC) provided the testing infrastructure and capabilities that are used when evaluating the Department's IT/NSS. Continued sustainment of the infrastructure, laboratory and testing hardware/software to enable T&E of a converged information environment, Cyber, Cloud services, Mobility, and NSS. Maintained technical workforce			

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B. Accomplishments/Planned Programs (\$ in Millions)		FY 2015	FY 2016	FY 2017
<p>skills, support base operations, communications, automation, operating expenses at Indian Head, MD; Fort Huachuca, AZ; and Fort George G. Meade, MD.</p> <p>FY 2016 Plans: As an MRTFB, JITC operates the DISA IT test infrastructure. Standardization of testbed infrastructure is ongoing and leveraging of cloud technologies provides seamless distributed testing services and efficient use of testing equipment and resources across the Agency and the Department. Expanded use of automation, virtualization, and access to big data will enable the reduction of the MRTFB IT footprint. Maintain technical workforce skills, support base operations, communications, automation, operating expenses at each location.</p> <p>The increase of +\$2.232 from FY 2015 to FY 2016 will continue efforts to improve the expansion of automation and virtualization capabilities of DISA IT testing and evaluation services.</p> <p>FY 2017 Plans: As an MRTFB, JITC operates the DISA IT Test infrastructure which consists of a standardized test bed at Fort George G. Meade, MD and Fort Huachuca, AZ. JITC will continue to expand the use of cloud technologies provide seamless distributed testing services and efficient use of testing equipment and resources for use across the Agency and the Department. JITC will maintain technical workforce, support base operations, communications, and operating expenses at each location.</p> <p>The decrease of -\$5.392 from FY 2016 to FY 2017 is due to implementation of new cyber and enterprise test methods and automated tools and use of virtualization and cloud technologies, enabling JITC to reduce the IT foot print and gain operational efficiencies.</p>				
Accomplishments/Planned Programs Subtotals		53.037	55.269	49.877
C. Other Program Funding Summary (\$ in Millions)				
N/A				
Remarks				
D. Acquisition Strategy				
A T&E Mission Support Services (MSS) cost plus and firm fixed price contract provides T&E support by performing a wide range of non-personal services to encompass testing, scientific, engineering, logistic, administrative, and ancillary support of the DISA T&E missions. The T&E MSS contract provides maximum flexibility and allow for expansion and contraction of staff years as workload dictates. An additional contract is a Federal Preferential Sole Source Procurement set-aside which provides consolidated facilities support.				

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E. Performance Metrics

Major Range Test Facility Base (MRTFB) Operations sustain the infrastructure, capabilities and services of DISA's MRTFB. While maintaining a focus on improving automation, instrumentation and virtualization, this MRTFB is working toward ensuring assets support customers with testing on demand services to enable rapid delivery of enhanced military capabilities. Specific metrics are described below:

5. Provide configuration changes to the MRTFB infrastructure NLT 5 days after formal customer service request received.

Measure/Goal: 90%
FY15 Actual: Estimate 90%
FY16 Target: 95%
FY17 Target: 95%

6. Complete new configuration additions (equipment installs) NLT 14 days after receipt of customer requirements form.

Measure/Goal: 90%
FY15 Actual: Estimate 85%
FY16 Target: 90%
FY17 Target: 95%

7. Availability of enterprise service test capabilities T&E enclave.

Measure/Goal: 95%
FY15 Actual: N/A – waiting Authority to Operate (ATO)
FY16 Target: 90%
FY17 Target: 95%

8. Availability of the Tactical Data Link Standard Conformance test tool to various DoD platforms (e.g., weapons systems).

Measure/Goal: 95%
FY15 Actual: 100%
FY16 Target: 95%
FY17 Target: 95%

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Exhibit R-3, RDT&E Project Cost Analysis: PB 2017 Defense Information Systems Agency												Date: February 2016			
Appropriation/Budget Activity				R-1 Program Element (Number/Name)				Project (Number/Name)							
0400 / 7				PE 0208045K / C4I Interoperability				T40 / Major Range Test Facility Base Operations							
Test and Evaluation (\$ in Millions)				FY 2015		FY 2016		FY 2017 Base		FY 2017 OCO		FY 2017 Total			
Cost Category Item	Contract Method & Type	Performing Activity & Location	Prior Years	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Cost To Complete	Total Cost	Target Value of Contract
Test and Evaluation 1	C/T&M	Northrop Grumman Mission System : Ft. Huachuca, AZ	75.279	-		-		-		-		-	0.000	75.279	75.279
Test and Evaluation 2	C/T&M	Interop Joint Venture : Ft. Huachuca, AZ	99.188	-		-		-		-		-	0.000	99.188	99.188
Test and Evaluation 3	C/T&M	Northrop Grumman Information Technology : Ft. Huachuca, AZ	49.746	-		-		-		-		-	0.000	49.746	49.746
Test and Evaluation 4	C/Various	VARIOUS - pending development of query : VARIOUS	35.943	18.538	Oct 2014	-		-		-		-	Continuing	Continuing	Continuing
Test and Evaluation 5	Option/CPFF	ALION SCIENCE & TECHNOLOGY CORP : Various	-	-		0.218	Oct 2015	0.192	Oct 2016	-		0.192	Continuing	Continuing	Continuing
Test and Evaluation 6	Option/CPFF	AMERICAN SYSTEMS COPR : Various	-	-		0.551	Oct 2015	0.485	Oct 2016	-		0.485	Continuing	Continuing	Continuing
Test and Evaluation 7	Option/CPFF	MANTECH TELECOMMUNICATIONS AND INFORMATION : Various	-	-		3.502	Oct 2015	3.081	Oct 2016	-		3.081	Continuing	Continuing	Continuing
Test and Evaluation 8	Option/CPFF	OBERON ASSOCIATES : Various	-	-		5.297	Oct 2015	4.660	Oct 2016	-		4.660	Continuing	Continuing	Continuing
Test and Evaluation 9	Option/CPFF	TASC, INC. : Various	-	-		1.397	Oct 2015	1.229	Oct 2016	-		1.229	Continuing	Continuing	Continuing
Test and Evaluation 10	Option/CPFF	BEACON GROUP SW, INC : Various	-	-		8.614	Oct 2015	7.579	Oct 2016	-		7.579	Continuing	Continuing	Continuing
Test and Evaluation 11	Option/CPFF	Multiple : Various	-	-		7.708	Oct 2015	8.032	Oct 2016	-		8.032	Continuing	Continuing	Continuing
Subtotal			260.156	18.538		27.287		25.258		-		25.258	-	-	-

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Exhibit R-4, RDT&E Schedule Profile: PB 2017 Defense Information Systems Agency		Date: February 2016
Appropriation/Budget Activity 0400 / 7	R-1 Program Element (Number/Name) PE 0208045K / C4I Interoperability	Project (Number/Name) T40 / Major Range Test Facility Base Operations

FY 2015				FY 2016				FY 2017				FY 2018				FY 2019				FY 2020				FY 2021			
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	[REDACTED]																											
	[REDACTED]																											

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Exhibit R-4A, RDT&E Schedule Details: PB 2017 Defense Information Systems Agency		Date: February 2016
Appropriation/Budget Activity 0400 / 7	R-1 Program Element (Number/Name) PE 0208045K / C4I Interoperability	Project (Number/Name) T40 / Major Range Test Facility Base Operations

Schedule Details

Events	Start		End	
	Quarter	Year	Quarter	Year
Develop and Implement Interoperability test systems to support warfighters	1	2015	4	2021

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