Exhibit R-2, RDT&E Budget Item Justification: PB 2016 Office of the Secretary Of Defense

R-1 Program Element (Number/Name)

0400: Research, Development, Test & Evaluation, Defense-Wide I BA 6:

PE 0605100D8Z I Joint Mission Environment Test Capability (JMETC)

Date: February 2015

RDT&E Management Support

Appropriation/Budget Activity

COST (\$ in Millions)	Prior Years	FY 2014	FY 2015	FY 2016 Base	FY 2016 OCO	FY 2016 Total	FY 2017	FY 2018	FY 2019	FY 2020	Cost To Complete	Total Cost
Total Program Element	31.270	27.491	27.124	45.235	-	45.235	47.163	49.253	53.076	53.806	Continuing	Continuing
100: Joint Mission Environment Test Capability Distributed Test	31.270	17.491	16.843	25.583	-	25.583	26.751	28.305	31.139	31.376	Continuing	Continuing
200: Joint Mission Environment Test Capability National Cyber Range (NCR) Sustainment	0.000	10.000	10.281	19.652	-	19.652	20.412	20.948	21.937	22.430	Continuing	Continuing

A. Mission Description and Budget Item Justification

The Joint Mission Environment Test Capability (JMETC) program was established for the purpose of implementing the Department's strategy to move to an enterprise-centric, distributed test capability that results in acquisition systems fielded with enhanced joint capabilities, reduced program costs, and improved acquisition timelines. The JMETC program implements the infrastructure capabilities defined in the Department of Defense's "Testing in a Joint Environment Roadmap" to provide acquisition program managers a robust nation-wide capability to "test like we fight." JMETC provides a persistent, distributed test and evaluation (T&E) capability; supporting system development, interoperability testing, and cyber testing; that otherwise would not be readily available to Service/Component acquisition programs. The JMETC program is funded within the Research, Development, Test and Evaluation (RDT&E) Management Support Budget Activity because it is intended to provide test capability in support of RDT&E programs. By linking distributed facilities, JMETC allows acquisition programs to efficiently evaluate their warfighting capability in a realistic joint mission environment. This enables a customer-defined joint mission test environment for systems engineering and testing, extensible to training and experimentation, in a timely and cost effective manner.

On October 1, 2012, the Under Secretary Defense for Acquisition, Technology and Logistics (USD(AT&L)) directed Test Resource Management Center (TRMC) to take responsibility for operations and resources of the National Cyber Range (NCR). TRMC undertook management oversight of the NCR, including all operational activities and sustainment of resources, transitioning it from a Defense Advanced Research Projects Agency (DARPA) Science & Technology project to an operational capability supporting cyber test, experimentation, and training events. The NCR mission is to provide secure facilities, technology, processes, and workforce to rapidly create hi-fidelity, mission representative cyberspace environments and facilitate integration/federation of cyberspace T&E infrastructure in support of the TRMC Mission. In FY-14 the NCR demonstrated robust operational capability supporting 20 different events for a diverse set of customers including US Cyber Command, Joint Staff J-7, Director, Operational Test & Evaluation (DOT&E) and US Naval Air Systems Command (NAVAIR). The NCR was critical to the successful execution of CyberFlag 14-1, CyberGuard 14-1, 14-2 and 14-3 and just completed CyberFlag 15-1 in the 1QFY15. In 3QFY14 the NCR team executed the first Cybersecurity Developmental Test & Evaluation (DT&E) event supporting a Major Defense Acquisition Program (MDAP), the MQ-4C Triton Program. In the 1QFY-15 the NCR executed a second MDAP Cybersecurity DT&E Event in support of the P-8A Increment Three. In FY-15, a Systems of Systems Cybersecurity DT&E Event will be conducted involving triton, the P-8A and Tactical Mobile (TACMobile) Program. Additional events are planned in support of Cost Assessment and Program Evaluation (CAPE), F-35 (Re-programming Center West) Joint Space Operations Center (JSpOC) Mission Space (JMS) Program and other acquisition and operational customers. Concurrent with these NCR Events are engineering activities to sustain and upgrade NCR Computing Resources, improve the automated software tool suite and

Exhibit R-2, RDT&E Budget Item Justification: PB 2016 Office of the Secretary Of Defense Date: February 2015

Appropriation/Budget Activity

R-1 Program Element (Number/Name)

0400: Research, Development, Test & Evaluation, Defense-Wide I BA 6: RDT&E Management Support

PE 0605100D8Z / Joint Mission Environment Test Capability (JMETC)

The Test Resource Management Center (TRMC) is the Department's lead for the JMETC program, the National Cyber Range, and oversees both their development and operations.

B. Program Change Summary (\$ in Millions)	FY 2014	FY 2015	FY 2016 Base	FY 2016 OCO	FY 2016 Total
Previous President's Budget	27.878	27.162	27.253	-	27.253
Current President's Budget	27.491	27.124	45.235	-	45.235
Total Adjustments	-0.387	-0.038	17.982	-	17.982
 Congressional General Reductions 	-	-0.038			
 Congressional Directed Reductions 	-	-			
 Congressional Rescissions 	-	-			
 Congressional Adds 	-	-			
 Congressional Directed Transfers 	-	-			
Reprogrammings	-	-			
SBIR/STTR Transfer	-0.375	-			
Internal Adjustments	-0.012	-	17.982	-	17.982

Change Summary Explanation

• Strategic efficiency reductions in management headquarters funding and staffing for better alignment and to provide support to a smaller military force.

Exhibit R-2A, RDT&E Project Ju	stification:	PB 2016 C	Office of the	Secretary (Of Defense					Date: Febr	uary 2015	
Appropriation/Budget Activity 0400 / 6					PE 060510	00D8Z I Joir	t (Number/ nt Mission pability (JME	•	Project (N 100 / Joint Capability	Mission En	vironment T	-est
COST (\$ in Millions)	Prior Years	FY 2014	FY 2015	FY 2016 Base	FY 2016 OCO	FY 2016 Total	FY 2017	FY 2018	FY 2019	FY 2020	Cost To Complete	Total Cost
100: Joint Mission Environment Test Capability Distributed Test	31.270	17.491	16.843	25.583	-	25.583	26.751	28.305	31.139	31.376	Continuing	Continuing
Quantity of RDT&E Articles	-	-	-	-	-	-	-	-	-	-		

A. Mission Description and Budget Item Justification

The JMETC mission is to provide an enterprise-level, persistent capability for linking distributed facilities, enabling Department of Defense (DoD) customers to develop and test warfighting capabilities in a Joint Context. JMETC provides a test infrastructure consisting of the components necessary to conduct Joint distributed test events by cost-effectively integrating live, virtual, and constructive (LVC) test resources that are configured to support the users' needs. The JMETC program provides its customers a support team to assist with JMETC products and the conduct of distributed testing. JMETC's institutional funding builds, maintains, and operates the JMETC infrastructure and pays for persistent availability of national connectivity for testing; data communications middleware; identification and development of interface standards; common software tools and components; and a reuse repository. JMETC Program funding also provides JMETC program management, facilities, equipment, operating costs, and special studies and analysis related to distributed test capabilities and infrastructure. Key attributes of the JMETC include: persistency; interoperability; reuse; various combinations of distributed capabilities (reconfigurable infrastructure to meet customer requirements); modeling and simulation (M&S) linkage; Live-Virtual-Constructive (LVC) test resource integration; and distributed test support to satisfy both Service and Joint needs. System engineering, training, and experimentation all benefit from a corporate JMETC developed for T&E. JMETC has grown from four sites in 2007 to 77 sites, 12 peering points to other networks, and an additional 12 planned sites. JMETC will reduce the cost and time to plan and prepare for distributed joint testing by providing a readily-available, persistent connectivity with network security accreditation support, common integration software for linking sites, and accredited test tools for distributed testing. To support its customers, JMETC also provides extensive expertise i

Additionally in FY 2013, the JMETC PE was funded to develop and build the Regional Service Deliver Points (RSDP). The RSDPs are a set of distributed computing and storage platforms designed to efficiently meet DoD capacity and capability demands for distributed and cyber test and evaluation (T&E) requirements as part of the Test Resource Management Center (TRMC). They provide services (i.e. traffic generation, simulation, instrumentation, visualization, and integrated event management), a scalable architecture to increase capacity and capabilities as needed by the user community, a flexible and adaptable infrastructure to support users requirements which are prone to frequent change, and to deliver cost and performance efficiencies (virtualization, rapid reconstitution). At a high-level architecture view, the RSDP adds enterprise compute and storage resources as well as a platform for distributed and cyber T&E tools and services at multiple classifications necessary to create high fidelity, operationally representative virtual environments, previously unavailable.

B. Accomplishments/Planned Programs (\$ in Millions)	FY 2014	FY 2015	FY 2016
Title: Joint Mission Environment Test Capability Distributed Test	17.491	16.843	25.583
FY 2014 Accomplishments: - Provided the distributed test infrastructure for acquisition programs and projects testing to include F-35 Joint Strike Fighter interoperability tests, Apache Block III Link-16 Interoperability tests, Small Diameter Bomb II developmental tests, Advanced			

Exhibit R-2A, RDT&E Project Justification: PB 2016 Office of	the Secretary Of Defense		Date: F	ebruary 201	5		
Appropriation/Budget Activity 0400 / 6	R-1 Program Element (Number/Name) PE 0605100D8Z I Joint Mission Environment Test Capability (JMETC)	100 / Joi	nt Mission	Number/Name) nt Mission Environment Test y Distributed Test			
B. Accomplishments/Planned Programs (\$ in Millions)			FY 2014	FY 2015	FY 2016		
Anti-Radiation Guided Missile operational testing, MQ-4C Triton Organization (JIAMDO) project testing, five Joint Interoperability Air Force Air Ground Integrated Layer Exploration (AGILE) Fire V Warfare Capability (IWC) test events, Naval Sea Systems Comm Program test events, Marine Corps Virtual Rapid Prototyping Lat (AFSIT), and numerous smaller test activities, as well as continue to-day exchange of test data.	Tests (JITS) for DISA's Joint Interoperability Test Comman VIII, US Naval Air Systems Command (NAVAIR) Integrated nand (NAVSEA) Advanced Mid-Term Interoperability Improporatory (VRPL) experiments, five Air Force Interoperability	vement Tests					
- Provided planning support for future distributed testing to other F-35 Joint Strike Fighter, CVN-78, P-8A Poseidon, Integrated De Carrier Launched Airborne Surveillance & Strike (UCLASS), Con Joint Space Operations Center (JSpOC) Mission Space (JMS), Mobile(TacMobile), Army Network Integration Event (NIE)/Brigad Explosive Device (IED) Electronic Warfare (CREW), Joint Tactica Laboratory (JRIL).	efensive Electronic Countermeasures (IDECM), Unmanned nmon Aviation Command and Control System (CAC2S), Marine Corps Combat Operations Center (CoC), and Taction de Modernization, Counter Remote Controlled Improvised	al					
- Completed the Cyber T&E Roadmap draft and started the coord newly chartered DoD Enterprise Cyber Range Environment Seni Congressionally identified "Cyber Ranges" to support the commu mission rehearsal – in an effective and efficient execution of cyber	ior Steering Group to integrate capabilities across the four (unities of interest (COI) – testing, experimentation, training,						
- Continued collaboration with the Training community by providing Staff J6 Command, Control, and Interoperability (C2I), and to other		e Joint					
- Conducted strategic planning efforts to engage new acquisition Key Performance Parameter (NR-KPP) and Cybersecurity requir		ady					
- Continued coordination efforts to integrate DoD/Service/Industry JMETC infrastructure.	y/Academia distributed test and evaluation infrastructure to	the					
- Continued the planning, alignment, and coordination to establis assessments by leveraging activities across the Cyber communit the areas of visualization and instrumentation.		ies in					

Exhibit R-2A, RDT&E Project Justification: PB 2016 Office of	the Secretary Of Defense	Date:	February 201	5		
Appropriation/Budget Activity 0400 / 6	R-1 Program Element (Number/Name) PE 0605100D8Z I Joint Mission Environment Test Capability (JMETC)	100 / Joint Missio	oject (Number/Name) 0 / Joint Mission Environment Test apability Distributed Test			
B. Accomplishments/Planned Programs (\$ in Millions)		FY 2014	FY 2015	FY 2016		
- Enhanced the User Interface and content of the web-based JM lessons learned, and test metadata making all available to the D		es,				
- Assisted customers with the use of distributed test tools and tro and on-site support for the planning and execution of distributed		note				
- The Cyber Range Interoperability Standards (CRIS) initiative un Cyber event planning and execution process. Identified the Test formats, as the first priority key areas in which investment would across the community.	st Specification Tool, modified to receive and output in other					
- Initiated planning of distributed test infrastructure enhancement and including TS//SCI with a focus on leveraging the Regional S incorporating both conventional and cyber weapon systems to a Supported pilot tests with three DoD programs.	Service Delivery Point computing and storage capabilities an					
- Initiated RSDP #2 operations in June 2014, beginning support RSDP which will provide enterprise compute, storage, and compute site for RSDP 2 and conducted the site survey for installation	mon services resources. Identified Patuxent Naval Air Station					
FY 2015 Plans: - Continue to provide distributed test support for major customer Joint Reference Implementation Laboratory (JRIL), MQ-4C Trito Interoperability Tests (JITs), AGILE Fire, NAVAIR Integrated Wawell as, continuous interconnectivity between distributed test res	on, Army Integrated Air and Missile Defense (AIAMD), Joint arfare Capability (IWC), and numerous smaller test activities					
- Continue planning support to new and on-going acquisition pro Surveillance, and Sensor Systems (PEO IEW&S) (multiple prog Poseidon, Advanced Anti-Radiation Guided Missile (AARGM), In Unmanned Carrier Launched Airborne Surveillance & Strike (UC (CAC2S, Joint Space Operations Center (JSpOC) Mission Space Operations Center (CoC).	rams), F-35, Small Diameter Bomb (SDB) II, MQ-4C Triton, Integrated Defensive Electronic Countermeasures (IDECM), CLASS), Common Aviation Command and Control System					

Exhibit R-2A, RDT&E Project Justification: PB 2016 Office of the	e Secretary Of Defense		Date: F	ebruary 2015	5		
Appropriation/Budget Activity 0400 / 6	R-1 Program Element (Number/Name) PE 0605100D8Z I Joint Mission Environment Test Capability (JMETC)	100 / Jo	(Number/l int Mission ity Distribut	Environment	ment Test		
B. Accomplishments/Planned Programs (\$ in Millions)			FY 2014	FY 2015	FY 2016		
- Continue strategic planning efforts to engage new acquisition pro Performance Parameter (NR-KPP) and Cyber security requiremen		y Key					
- Continue coordination efforts to integrate DoD/Service/Industry/AJMETC infrastructure.	Academia distributed test and evaluation infrastructure to t	he					
- Continue the planning, alignment, and coordination to establish a assessments by leveraging other TRMC investments (i.e., Central Evaluation/Science & Test (T&E/S&T) and capabilities of existing of existing of the continuous cont	Test and Evaluation Investment Program (CTEIP) and Te	est &					
- Continue to assist customers with the use of distributed test tools Continue providing remote and on-site support for the planning an		tures.					
- Begin implementation of distributed test infrastructure enhancem and including TS//SCI with a focus on leveraging the RSDP capab kinetic (cyber weapons) assets to address growing interoperability	ilities and incorporating both kinetic (weapon systems) ar						
FY 2016 Plans: - Continue to provide distributed interoperability and cyber test sup Fighter, Apache Block III testing, Small Diameter Bomb II tests, Ac JIAMDO project testing, Joint Interoperability Tests (JITS) for DISA Fire VIII, NAVAIR Integrated Warfare Capability (IWC) test events Program events, Marine Corps Virtual Rapid Prototyping Laborato (AFSIT), and numerous smaller test activities.	dvanced Anti-Radiation Guided Missile, MQ-4C Triton test A's Joint Interoperability Test Command, Air Force AGILE , NAVSEA Advanced Mid-Term Interoperability Improvem	ing, ent					
- Continue planning support to new and on-going acquisition programmeter Bomb (SDB) II, MQ-4C Triton,P-8A Poseidon, Advanced Electronic Countermeasures (IDECM), Unmanned Carrier Launch Aviation Command and Control System (CAC2S, Joint Space Oper (TacMobile), and Marine Corps Tactical Operations Center (CoC).	ms), Mobile User Objective System, Joint Strike Fighter, S I Anti-Radiation Guided Missile (AARGM), Integrated Defe ed Airborne Surveillance & Strike (UCLASS), Common erations Center (JSpOC) Mission Space (JMS), Tactical M	ensive					
- Continue strategic planning efforts to engage new acquisition pro Performance Parameter (NR-KPP) and Cyber security requiremen		y Key					

Exhibit R-2A, RDT&E Project Justification: PB 2016 Office of the Secretary	Date: February 2015	
Appropriation/Budget Activity 0400 / 6	R-1 Program Element (Number/Name) PE 0605100D8Z / Joint Mission	Project (Number/Name) 100 / Joint Mission Environment Test
	Environment Test Capability (JMETC)	Capability Distributed Test

B. Accomplishments/Planned Programs (\$ in Millions)	FY 2014	FY 2015	FY 2016
- Continue to assist customers with the use of distributed test tools and troubleshooting of the end-to-end network infrastructures. Continue providing remote and on-site support for the planning and execution of distributed events.			
- Continue the planning, alignment, and coordination to establish and improve the test infrastructure for cyber tests and assessments by leveraging other TRMC investments (i.e. CTEIP and T&E/S&T) and capabilities of existing cyber ranges (DoD/Services/Industry/Academia).			
- Increase cyber test capacity by speeding up acquisition of Regional Service Delivery Points (RSDPs), acquire additional storage capacity for the RSDPs, develop a central library for blue and red environments to promote reuse, begin development of in-line Type one encryption capability, and promote infrastructure for a quick-reaction cyber test capability. Fulfill implementation of distributed test infrastructure enhancements that will support multiple, concurrent classifications up to and including TS//SCI and provide for connectivity to coalition partners.			
Accomplishments/Planned Programs Subtotals	17.491	16.843	25.583

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

N/A

Remarks

D. Acquisition Strategy

N/A

E. Performance Metrics

- Number of Distributed test sites
- Number of events conducted
- Number of acquisition programs supported

Exhibit R-2A, RDT&E Project Ju	stification	: PB 2016 C	Office of the	Secretary (Of Defense					Date: Febr	uary 2015	
Appropriation/Budget Activity 0400 / 6					PE 060510	am Elemen 00D8Z / Joir ent Test Cap	nt Mission	,	200 / Joint	National Cy	ne) vironment T ber Range	
COST (\$ in Millions)	Prior Years	FY 2014	FY 2015	FY 2016 Base	FY 2016 OCO	FY 2016 Total	FY 2017	FY 2018	FY 2019	FY 2020	Cost To Complete	Total Cost
200: Joint Mission Environment Test Capability National Cyber Range (NCR) Sustainment	-	10.000	10.281	19.652	-	19.652	20.412	20.948	21.937	22.430	Continuing	Continuing
Quantity of RDT&E Articles	-	-	-	-	-	-	-	-	-	-		

A. Mission Description and Budget Item Justification

In FY 2013, responsibility for the National Cyber Range (NCR) was given to the Test Resource Management Center (TRMC) and subsequently put under the Joint Mission Environment Test Capability (JMETC) management team. The NCR was funded in FY 2013 through funds provided by Defense Advanced Research Projects Agency (DARPA), Director, Operational Test & Evaluation (DOT&E), Assistant Secretary of Defense (Research & Engineering)(ASD(R&E)) reprogramming, and the TRMC investment programs. In FY 2014, the NCR was funded from the JMETC Program Element. The NCR provides secure facilities, technology, processes, and workforce to rapidly create hi-fidelity, mission representative cyberspace environments and facilitate integration/federation of cyberspace test and evaluation (T&E) infrastructure in support of the TRMC Mission. It supports a diverse user base and accommodates a wide variety of event types (R&D, Developmental Test & Evaluation (DT&E), Operational Test & Evaluation (OT&E), Security Control Assessor (SCA) Compliance, Defensive Cyber Operations (DCO), Offensive Cyber Operations (DCO), Tactics, Techniques Procedures (TTP) Development, Forensics/Malware Analysis) and communities (research, systems engineering, testing, operations, training, etc.). The NCR has the capability to support up to 4 concurrent events at different classification levels using Multiple Independent Levels of Security (MILS) architecture. It is accredited to operate at TS//SI-G/TK/HCS-P//SAR. In support of a variety of customers, the NCR has emulated complex (Red/Blue/Gray) operationally representative network environments at a scale up to ~50K high-fidelity virtual nodes. The NCR can operate in conjunction with other ranges through remote connectivity via JMETC connectivity infrastructure. The NCR's Test Automation Tools minimize human error, enable verification of test environment, ensure repeatable results and can reduce event timelines from weeks/months to hours/days. Range assets can be sanitized after exposure to malicious attacks/malwa

The JMETC-funded National Cyber Range allows acquisition programs and operational forces to efficiently evaluate their cyber warfighting capability in a realistic joint mission environment. This enables a customer-defined joint mission test environment for systems engineering and testing, extensible to training and experimentation, in a timely and cost effective manner.

B. Accomplishments/Planned Programs (\$ in Millions)	FY 2014	FY 2015	FY 2016
Title: Joint Mission Environment Test Capability NCR Sustainment	10.000	10.281	19.652
FY 2014 Accomplishments: - Operated and sustained the National Cyber Range's (NCR) capabilities to meet growing customer requirements. In FY-14 the NCR demonstrated robust operational capability supporting 20 different events for a diverse set of customers including US Cyber Command, Joint Staff J-7, DOT&E and NAVAIR. The NCR was critical to the successful execution of CyberFlag 14-1,			

Exhibit R-2A, RDT&E Project Justification: PB 2016 Office of	the Secretary Of Defense		Date: F	ebruary 2015	5		
Appropriation/Budget Activity 0400 / 6	R-1 Program Element (Number/Name) PE 0605100D8Z I Joint Mission Environment Test Capability (JMETC)	Project (Number/Name) 200 I Joint Mission Environme Capability National Cyber Rar Sustainment		Environment			
B. Accomplishments/Planned Programs (\$ in Millions)		F	Y 2014	FY 2015	FY 2016		
CyberGuard 14-1, 14-2 and 14-3. In 3QFY14 the NCR team exe Acquisition Program, the MQ-4C Triton Program. The NCR was and 1QFY15 the NCR was utilized at 98% of available capacity.	utilized at 82% of available capacity for FY 2014. In the 4Q						
- Completed the NCR tools study to evaluate NCR tools for expa be modified to receive input from multiple formats and sources a Cyber Ranges. Near term focus was Interoperability with the RS	and then output in a standard data format to make it usable						
- Completed plans to sustain the NCR Security Posture in according 1QFY15 to be completed by the end of the quarter.	rdance with the DIA Approved POA&M. Work will commence	e in					
- Implemented a wireless cyber test capability at the NCR which	was used for a classified test customer.						
FY 2015 Plans: - Continue to Operate and sustain the National Cyber Range (NO test planning and execution for acquisition programs such as TF and Joint Space Operations Center Mission Systems (JMS). Cotest capability to agencies such as Army Intelligence and Inform Assessment and Program Evaluation (CAPE); Director Operation Electronics Research, Development and Engineering Command	RITON, P-8A, USMC TacMobile, F-35, Littoral Combat Ship, portinue to support other DoD organizations providing cyber lation Warfare Directorate; Office of Naval Intelligence; Cost and Test and Evaluation; and the Army Communications and						
- Provide red and gray environments for Cyber Flag 15-1 and 15 support to the DOT&E sponsored Enterprise Cyber Range Envir		•					
- Provide cyber T&E planning support to acquisition programs so aid in building-in cyber security during early development.	uch as CVN 78, F-35 Joint Strike Fighter, and KC-46A Tank	er to					
- Continue the high utilization for the NCR.							
- Continue to sustain the NCR capabilities and processes to supencryption, and increase capacity to support increased demand.							

	UNCLASSIFIED					
xhibit R-2A, RDT&E Project Justification: PB 2016 Office of the Secretary Of Defense			Date: February 2015			
Appropriation/Budget Activity 0400 / 6	R-1 Program Element (Number/Name) PE 0605100D8Z I Joint Mission Environment Test Capability (JMETC)	Project (Number/Name) 200 I Joint Mission Environment Test Capability National Cyber Range (NCR) Sustainment				
B. Accomplishments/Planned Programs (\$ in Millions)			FY 2014	FY 2015	FY 2016	
it interoperable with other cyber ranges. Begin technical refreshment of the capacity.	e hardware in the existing NCR to further increase	•				
FY 2016 Plans: - Continue to operate and sustain the National Cyber Range (NCR) capable test planning and execution for acquisition programs such as TRITON, P-8 Fighter, and Joint Space Operations Center Mission Systems (JMS). Concyber test capability to agencies such as Army Intelligence and Information National Assessment Group, Director Operational Test and Evaluation, Art Squadron.	BA, TacMobile, Littoral Combat Ship, F-35 Joint St tinue to support other DoD organizations providing n Warfare Directorate, Office of Naval Intelligence	trike g				
- Continue to provide blue, red, and gray environments for Cyber Flag 16-month. Continue support to the DOT&E sponsored Enterprise Cyber Rangoperational units such as the 780 MI Brigade, as called upon.						
- Continue to provide cyber T&E planning support to acquisition programs in cyber security during early development.	such as CVN 78 and KC-46A Tanker to aid in bui	lding-				
- Continue to sustain the NCR capabilities and processes to support custo encryption, and increase capacity to support increased demand. Continue Specification Tool to make it interoperable with the RSDPs and other cybe hardware in the existing NCR to further increase capacity.	e modification and development of the NCR's Test	t				
- Begin acquisition of additional NCR capacity to satisfy steadily increasing effort would replicate the current NCR capacity and, through acquisition of						
capacity.						

Exhibit R-2A, RDT&E Project Justification: PB 2016 Office of the Secretary Of Defense			Date: February 2015		
Appropriation/Budget Activity	R-1 Program Element (Number/Name)	Project (Number/Name)			
0400 / 6	PE 0605100D8Z I Joint Mission	200 I Joint	200 I Joint Mission Environment Test		
	Environment Test Capability (JMETC)	Capability National Cyber Range (NCR)			
		Sustainme	nt		

D. Acquisition Strategy

N/A

E. Performance Metrics

- Number of events conducted
- Utilization rate
- Number of acquisition programs supported
- Number of events supported for other DoD communities