Exhibit R-2, RDT&E Budget Item Justification: PB 2015 Defense Information Systems Agency	Date: March 2014
Appropriation/Budget Activity 0400: *Research, Development, Test & Evaluation, Defense-Wide I* BA 7: *Operational Systems Development*	**R-1 Program Element (Number/Name)** PE 0302019K *I Defense Info. Infrastructure Engineering and Integration*

COST ($ in Millions)	Prior Years	FY 2013	FY 2014	FY 2015 Base	FY 2015 OCO #	FY 2015 Total	FY 2016	FY 2017	FY 2018	FY 2019	Cost To Complete	Total Cost
Total Program Element	84.181	9.534	10.831	9.657	-	9.657	8.678	8.233	8.313	8.330	Continuing	Continuing
E65: *Modeling and Simulation*	62.855	3.688	3.920	6.421	-	6.421	6.381	5.982	6.075	6.075	Continuing	Continuing
T62: *GIG Systems Engineering and Support*	21.326	5.846	6.911	3.236	-	3.236	2.297	2.251	2.238	2.255	Continuing	Continuing

The FY 2015 OCO Request will be submitted at a later date.

A. Mission Description and Budget Item Justification

The Defense Information Infrastructure Engineering and Integration effort encompasses two projects: Modeling and Simulation and DoD Information Network (DODIN) (formerly Global Information Grid (GIG)) Systems Engineering and Support. There are two major activities under the Modeling and Simulation project: Modeling and Simulation and DODIN Enterprise Wide Systems Engineering (EWSE).

The DODIN EWSE activity resolves near term (one to three years) high-priority technical issues defined by Department of Defense Chief Information Officer (DoD CIO) and Defense Information Systems Agency (DISA), that impact operational capabilities affecting DODIN End-to-End (E2E) interoperability and performance.

The Modeling and Simulation project provides architecture, systems engineering and E2E analytical functions for DISA and its customers, ensuring integrated capabilities to fulfill warfighter mission requirements. Ongoing beneficiaries of these capabilities include DoD CIO, the DISA Network Services Directorate, the DISA Enterprise Services Directorate, Program Executive Office-Mission Assurance, the Defense Information Systems Network Command Center and Joint Communications Simulation System users in DoD.

The DODIN Systems Engineering and Support project defines and validates that the overall technical strategies for DISA are aligned with key DoD Strategic Planning and Execution documents. These documents include the DoD IT Efficiency strategy, DoD CIO's Campaign Plan, Joint Information Environment (JIE) Roadmap and Concept of Operations, DoD Instructions and Memorandum, other critical high-level guidance documents and target architectures and transition plans. These strategies establish the foundation for technology investments, technical developments, and the operations and sustainment of critical net-centric products and services provided by DISA. The DISA Chief Technology Officer (CTO) conducts technical system engineering reviews and oversight and relies upon the Technology Management Framework (TMF) for the early identification of technology needs. TMF products, in conjunction with information from other authoritative sources, will be used to identify technology challenges, needs, service gaps and investment opportunities.

Exhibit R-2, RDT&E Budget Item Justification: PB 2015 Defense Information Systems Agency	Date: March 2014
Appropriation/Budget Activity 0400: *Research, Development, Test & Evaluation, Defense-Wide* / BA 7: *Operational Systems Development*	**R-1 Program Element (Number/Name)** PE 0302019K / *Defense Info. Infrastructure Engineering and Integration*

B. Program Change Summary ($ in Millions)	FY 2013	FY 2014	FY 2015 Base	FY 2015 OCO	FY 2015 Total
Previous President's Budget	14.498	12.867	10.294	-	10.294
Current President's Budget	9.534	10.831	9.657	-	9.657
Total Adjustments	-4.964	-2.036	-0.637	-	-0.637
• Congressional General Reductions	-	-			
• Congressional Directed Reductions	-	-			
• Congressional Rescissions	-	-			
• Congressional Adds	-	-			
• Congressional Directed Transfers	-	-			
• Reprogrammings	-	-			
• SBIR/STTR Transfer	-	-			
• Other Adjustment	-4.964	-2.036	-0.637	-	-0.637

Change Summary Explanation

The FY 2013 decrease of -$4.964 is the result of reductions to initiatives in data storage/retrieval, user authentication techniques, along with a reduced level of effort to the Content Discovery Retrieval subtask of the Service Level Interoperability of Tactical Edge Core (SLITEC). This reduction is directly attributable to Budget Control Act (BCA).

The FY2014 decrease of -$2.036 is due to two factors:

a) A reduction of -$1.315 is attributable to transitioning of pilots and research and development programs to programs of record.

b) A reduction of -$0.721 is the result of rephasing of requirements and delivery timelines in the Service Level Interoperability of Tactical Edge Core.

The FY 2015 decrease of -$0.637 is attributable to diminished ability to perform research, assessment, development, proof-of-concepts and pilots, adoption and integration, and transition of emerging and/or next generation technologies (e.g., hinder the initial analysis and assessments on data cloud management interoperability and migrations).

Exhibit R-2A, RDT&E Project Justification: PB 2015 Defense Information Systems Agency			Date: March 2014
Appropriation/Budget Activity 0400 / 7	R-1 Program Element (Number/Name) PE 0302019K / *Defense Info. Infrastructure Engineering and Integration*	Project (Number/Name) E65 / *Modeling and Simulation*	

COST ($ in Millions)	Prior Years	FY 2013	FY 2014	FY 2015 Base	FY 2015 OCO #	FY 2015 Total	FY 2016	FY 2017	FY 2018	FY 2019	Cost To Complete	Total Cost
E65: *Modeling and Simulation*	62.855	3.688	3.920	6.421	-	6.421	6.381	5.982	6.075	6.075	Continuing	Continuing
Quantity of RDT&E Articles	-	-	-	-	-	-	-	-	-	-		

The FY 2015 OCO Request will be submitted at a later date.

A. Mission Description and Budget Item Justification

The Modeling and Simulation project provides architecture, systems engineering and end-to-end (E2E) analytical functions for the Defense Information Systems Agency (DISA) and its customers, ensuring integrated capabilities to fulfill warfighter mission requirements. Modeling and Simulation activities support the Department of Defense (DoD) communications planning and investment strategy, including: application performance assessments, contingency planning, network capacity planning and diagnostics, and systems-level modeling and simulation. Project efforts provide across-theater information awareness for Combatant Commands through application solutions for integrated networks, including DoD's missions in Afghanistan and the Defense Information Systems Network (DISN) by: (1) supporting the development and implementation of DoD Information Network (DODIN) Enterprise Wide Systems Engineering (EWSE) processes essential to evolving the DODIN in a manner that enables interoperability and E2E performance for critical DODIN programs; (2) developing standardized DISA systems analyses and integration processes to improve systems integration across DISA for all DISA developed communication systems and services; and (3) providing the underlying modeling and simulation and analytical support for E2E DISA and DoD systems engineering and assessment.

Project efforts provide DoD decision makers with services and a suite of tools capable of identifying key points of impact on DoD command and control information systems and recommending trade-offs within the DODIN configuration with regard to prioritized performance, availability, and security. This effort will reduce the risk in products deployed to the warfighter through improved network performance and traffic analysis, and an efficient means of troubleshooting and subsequent redesign.

B. Accomplishments/Planned Programs ($ in Millions)	FY 2013	FY 2014	FY 2015
Title: Modeling and Simulation	3.688	3.920	6.421
FY 2013 Accomplishments: EWSE efforts resolved high-priority technical issues impacting end-to-end capabilities of DODIN in transport, computing services, applications, information assurance (IA), network operations (NetOps) and enterprise services. EWSE investigated leading edge technologies and solutions in Cloud Computing, and Enterprise Services in the Disadvantaged, Intermittent and Low Bandwidth (DIL) communications environment. The EWSE Team delivered various systems engineering artifacts to document the results of their efforts. Continued efforts to enhance modeling capabilities for DISN IP and Transport Capacity Planning models, including addressing the FY 2014 Technology Refresh (feasibility tests required prior to hardware being added to the DODIN) and new user requirements in each theater when identified. Enhanced modeling tools and techniques provided inputs to network planning in support of			

Exhibit R-2A, RDT&E Project Justification: PB 2015 Defense Information Systems Agency		Date: March 2014
Appropriation/Budget Activity 0400 / 7	**R-1 Program Element (Number/Name)** PE 0302019K / *Defense Info. Infrastructure Engineering and Integration*	**Project (Number/Name)** E65 / *Modeling and Simulation*

B. Accomplishments/Planned Programs ($ in Millions)	FY 2013	FY 2014	FY 2015
Unified Communications and E2E security goals of the DISN. Developed modeling and instrumentation techniques for Enterprise Services to include performance analysis and design efforts.			
FY 2014 Plans: Continue EWSE efforts to resolve near term (one to three years) high-priority technical issues impacting end-to-end interoperability and performance of DODIN capabilities in transport, computing services, applications, IA, NetOps and enterprise services. Continue FY 2013 efforts to enhance modeling capabilities that will provide DISN IP and Transport Capacity Planning models. These enhancements include: (1) preparing for the FY 2015 Technology Refresh (feasibility tests required prior to hardware being added to the DODIN) and new user requirements; (2) enhanced modeling and instrumentation techniques for Enterprise Services and customer needs in DISA program/project decisions and planning (e.g. Joint Information Environment and Defense Enterprise Computing Centers); (3) DoD Internet traffic models and analyses for capacity planning and IA initiatives for the DISA Director, Cybercom, and Network Services; (4) enhanced modeling tools and techniques to provide inputs to network planning in support of Unified Communications and E2E security goals of the evolving DISN; and (5) an updated version of the Joint Communications Simulation System. The decrease of -$0.232 from FY 2013 to FY 2014 is attributable to rephasing of tasks within the Service Level Interoperability of Tactical Edge Core. This includes Content Discovery and Retrieval, Joint C2 Objective Architecture, and Data Persistence and Synchronization between Enterprise/Deployable Services.			
FY 2015 Plans: Will continue EWSE efforts to resolve high-priority technical issues impacting E2E capabilities of DODIN in transport, computing services, applications, information assurance (IA), network operations (NetOps) and enterprise services. Will analyze additional cloud computing services that can be integrated or interoperated with DoD capabilities. Will examine application of commercial 4G wireless technologies in DODIN to include tactical environments. The results of analysis and examination will be socialized with the DoD community for action and adoption. Where appropriate, the results will also be documented in GIG Technical Profiles (GTP) for compliance by the Programs of Record (POR). Will continue efforts to enhance modeling capabilities that will provide DISN IP and Transport Capacity Planning models, modifying tools and processes to reflect the operational DISN architecture and technologies as evolved under Joint Information Environment (JIE) initiatives and technical advances. These enhancements include: (1) preparing for the FY 2016 Technology Refresh (feasibility tests required prior to hardware being added to the DODIN) and new user requirements; (2) enhanced modeling and instrumentation techniques for new or evolving enterprise Services and customer needs in DISA program/project decisions and planning (e.g. JIE and Defense Enterprise Computing Centers); (3) DoD Internet traffic models and analyses for			

Exhibit R-2A, RDT&E Project Justification: PB 2015 Defense Information Systems Agency		Date: March 2014
Appropriation/Budget Activity 0400 / 7	**R-1 Program Element (Number/Name)** PE 0302019K / *Defense Info. Infrastructure Engineering and Integration*	**Project (Number/Name)** E65 / *Modeling and Simulation*

B. Accomplishments/Planned Programs ($ in Millions)	FY 2013	FY 2014	FY 2015
capacity planning and IA initiatives for the DISA Director, CYBERCOM, and Network Services; (4) enhanced modeling tools and techniques to provide inputs to network planning and performance assessments in support of Unified Communications and E2E security goals of the evolving DISN; and (5) an updated version of the Joint Communications Simulation System. The increase of +$2.501 from FY 2014 to FY 2015 funds efforts to resolve high-priority technical issues impacting the DODIN E2E performance in transport, computing services, applications, IA, NetOps and Enterprise Services. Specific work includes maturation of a system which will encrypt DoD data and allow its storage on commercial cloud technology.			
Accomplishments/Planned Programs Subtotals	3.688	3.920	6.421

C. Other Program Funding Summary ($ in Millions)

Line Item	FY 2013	FY 2014	FY 2015 Base	FY 2015 OCO	FY 2015 Total	FY 2016	FY 2017	FY 2018	FY 2019	Cost To Complete	Total Cost
• PE 0302019K: *Operation & Maintenance, Defense-Wide*	22.266	21.328	2.051	-	2.051	2.045	2.336	2.432	2.432	Continuing	Continuing

Remarks

D. Acquisition Strategy

EWSE uses contractors to assist/supplement the Government lead/team for technical activities. Subject matter experts in both large and small businesses are sought for the engineering support. Firm fixed price contracts with one option year are typically used in open competition. Furthermore, technical work with Federally Funded Research and Development Centers (FFRDCs) such as MITRE and MIT Lincoln Lab are established and coordinated when the Government can leverage their expertise and R&D in the key technology.

Modeling and Simulation uses a range of contractors for modeling support to the various projects. Contractors range from small to large business, predominantly using open competition methods and Firm Fixed Price (FFP) tasks and utilizing multi-year (base plus option years) contracts where possible. Support includes network modeling tool and processes development to adapt to ever-evolving OSD/DISA programs and projects, analyses, capacity planning, and network redesign using the models. Some specific support (e.g., integration with proprietary software) will require contracting with OPNET (e.g., sole source). FFRDCs are also considered depending upon the task.

E. Performance Metrics

DISN core bandwidth sufficiency, tied to transport and IP capacity planning and activation of bandwidth in the DISN core, to keep at least 25% spare capacity, to allow for provisioning of unforeseen requirements and rerouting under outages. Current status stands at 59.85% capacity, thus maintaining spare capacity in excess of 25%.

Exhibit R-2A, RDT&E Project Justification: PB 2015 Defense Information Systems Agency		Date: March 2014
Appropriation/Budget Activity 0400 / 7	**R-1 Program Element (Number/Name)** PE 0302019K / *Defense Info. Infrastructure Engineering and Integration*	**Project (Number/Name)** E65 / *Modeling and Simulation*

The EWSE projects will be measured by the number of systems engineering artifacts and/or DODIN Technical Profiles that are published to support interoperability of DoD programs; and the number of engineering/ technical solutions that are adopted by programs/initiatives across DoD, Combatant Commands (COCOMs), and the Services. These solutions will be coordinated with the stakeholders/users to ensure EWSE has the right solution to the right problem.

Exhibit R-3, RDT&E Project Cost Analysis: PB 2015 Defense Information Systems Agency			Date: March 2014
Appropriation/Budget Activity 0400 / 7	**R-1 Program Element (Number/Name)** PE 0302019K / *Defense Info. Infrastructure Engineering and Integration*	**Project (Number/Name)** E65 / *Modeling and Simulation*	

Product Development ($ in Millions)

Cost Category Item	Contract Method & Type	Performing Activity & Location	Prior Years	FY 2013 Cost	FY 2013 Award Date	FY 2014 Cost	FY 2014 Award Date	FY 2015 Base Cost	FY 2015 Base Award Date	FY 2015 OCO Cost	FY 2015 OCO Award Date	FY 2015 Total Cost	Cost To Complete	Total Cost	Target Value of Contract
Product Development 1	SS/FFP	OPNET Tech, Inc. : Bethesda, MD	4.440	0.804	Aug 2013	0.864	Aug 2014	1.296	Aug 2015	-		1.296	Continuing	Continuing	Continuing
Product Development 2	C/CPFF	APPTIS : Chantilly, VA	1.442	0.120	Jan 2013	0.127	Jan 2014	0.133	Jan 2015	-		0.133	Continuing	Continuing	Continuing
Product Development 3	SS/FFP	Noblis : Falls Church, VA	1.312	-		-		-		-		-	Continuing	Continuing	1.312
Product Development 4	C/FFP	Booz Allen, Hamilton : McLean, VA	2.253	0.415	Jan 2013	0.542	Jan 2014	0.569	Jan 2015	-		0.569	Continuing	Continuing	Continuing
Product Development 5	C/FFP	NRL : Washington, DC	0.100	-		-		-		-		-	Continuing	Continuing	0.100
Product Development 6	C/CPFF	Soliel, LLC : Reston, VA	1.222	0.864	Apr 2013	0.912	Apr 2014	1.010	Apr 2015	-		1.010	Continuing	Continuing	Continuing
Product Development 7	C/FFP	Estrela Tech, LLC : Vienna, VA	2.200	0.279	Jul 2013	-		0.326	Jul 2015	-		0.326	Continuing	Continuing	Continuing
Product Development 8	C/CPFF	COMPTEL : Arlington, VA	0.926	-		-		-		-		-	Continuing	Continuing	0.926
Product Development 9	C/CPFF	MIT Lincoln Labs : Cambridge, MA	4.359	1.206	Dec 2012	1.475	Dec 2013	2.599	Dec 2014	-		2.599	Continuing	Continuing	Continuing
Product Development 10	MIPR	Various : Various	7.011	-		-		0.488	Jan 2015	-		0.488	Continuing	Continuing	Continuing
Enterprise Wide Systems Engineering 11	C/FFP	Northrop Grumman : Fairfax, VA	1.784	-		-		-		-		-	Continuing	Continuing	1.784
Clear Sky Pilot	C/CPFF	AFRL Terremark : TBD	18.500	-		-		-		-		-	Continuing	Continuing	18.500
Narus	C/CPFF	AFRL : Rome, NY	1.450	-		-		-		-		-	Continuing	Continuing	1.450
Cyber Accelerator	C/CPFF	DTIC : Alexandria, VA	7.516	-		-		-		-		-	Continuing	Continuing	7.516
Commercial Integration Demonstration	C/CPFF	DTIC : Alexandria, VA	2.750	-		-		-		-		-	Continuing	Continuing	2.750
Web Content Filtering: Perimeter Defense Integration	C/FFP	Oberon Associates : Ft. Meade, MD	1.854	-		-		-		-		-	Continuing	Continuing	1.854

Exhibit R-3, RDT&E Project Cost Analysis: PB 2015 Defense Information Systems Agency			Date: March 2014
Appropriation/Budget Activity 0400 / 7	R-1 Program Element (Number/Name) PE 0302019K / *Defense Info. Infrastructure Engineering and Integration*	Project (Number/Name) E65 / *Modeling and Simulation*	

Product Development ($ in Millions)

Cost Category Item	Contract Method & Type	Performing Activity & Location	Prior Years	FY 2013 Cost	FY 2013 Award Date	FY 2014 Cost	FY 2014 Award Date	FY 2015 Base Cost	FY 2015 Base Award Date	FY 2015 OCO Cost	FY 2015 OCO Award Date	FY 2015 Total Cost	Cost To Complete	Total Cost	Target Value of Contract
Host Based Security Ops Assessment	C/FFP	Summit Technologies, Inc : Ft Meade, MD	0.700	-		-		-		-		-	Continuing	Continuing	0.700
Secure Configuration Management Ops Assessment	C/FFP	Cyber Security research and Solutions Corp : Ft Meade, MD	0.964	-		-		-		-		-	Continuing	Continuing	0.954
		Subtotal	60.783	3.688		3.920		6.421		-		6.421	-	-	-

Test and Evaluation ($ in Millions)

Cost Category Item	Contract Method & Type	Performing Activity & Location	Prior Years	FY 2013 Cost	FY 2013 Award Date	FY 2014 Cost	FY 2014 Award Date	FY 2015 Base Cost	FY 2015 Base Award Date	FY 2015 OCO Cost	FY 2015 OCO Award Date	FY 2015 Total Cost	Cost To Complete	Total Cost	Target Value of Contract
Test and Evaluation	SS/CPFF	Comptel : Arlington, VA	2.072	-		-		-		-		-	Continuing	Continuing	2.072
		Subtotal	2.072	-		-		-		-		-	-	-	2.072

	Prior Years	FY 2013		FY 2014		FY 2015 Base		FY 2015 OCO		FY 2015 Total	Cost To Complete	Total Cost	Target Value of Contract
Project Cost Totals	62.855	3.688		3.920		6.421		-		6.421	-	-	-

Remarks

Exhibit R-4, RDT&E Schedule Profile: PB 2015 Defense Information Systems Agency		Date: March 2014
Appropriation/Budget Activity 0400 / 7	**R-1 Program Element (Number/Name)** PE 0302019K / *Defense Info. Infrastructure Engineering and Integration*	**Project (Number/Name)** E65 / *Modeling and Simulation*

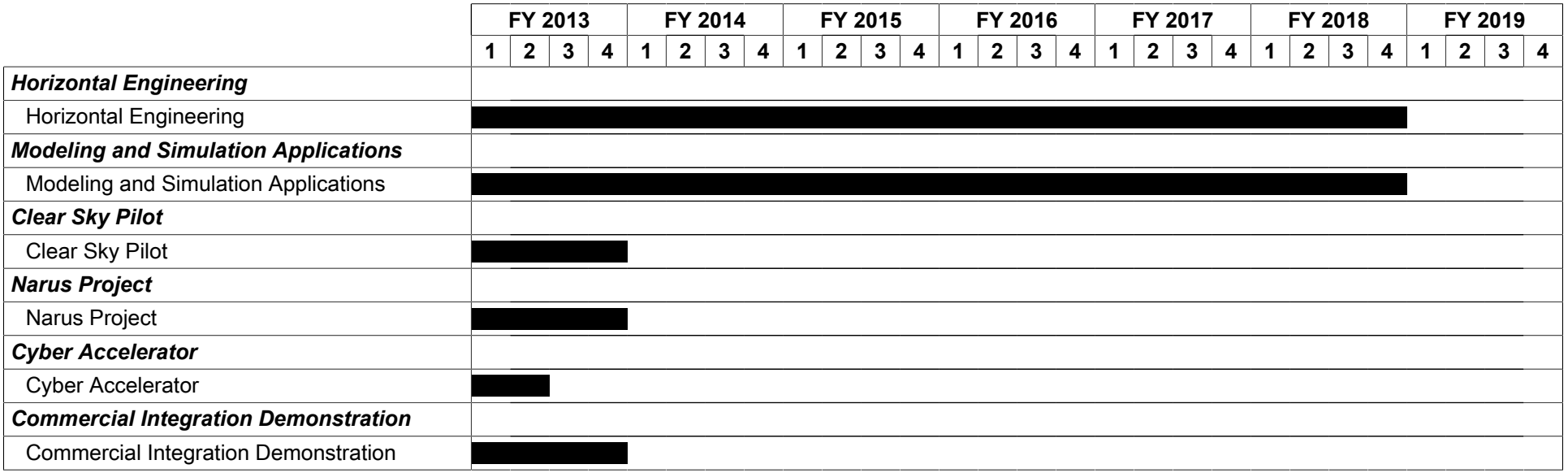

Exhibit R-4A, RDT&E Schedule Details: PB 2015 Defense Information Systems Agency		Date: March 2014
Appropriation/Budget Activity 0400 / 7	**R-1 Program Element (Number/Name)** PE 0302019K / *Defense Info. Infrastructure Engineering and Integration*	**Project (Number/Name)** E65 / *Modeling and Simulation*

Schedule Details

	Start		End	
Events by Sub Project	**Quarter**	**Year**	**Quarter**	**Year**
Horizontal Engineering				
Horizontal Engineering	1	2013	4	2018
Modeling and Simulation Applications				
Modeling and Simulation Applications	1	2013	4	2018
Clear Sky Pilot				
Clear Sky Pilot	1	2013	4	2013
Narus Project				
Narus Project	1	2013	4	2013
Cyber Accelerator				
Cyber Accelerator	1	2013	2	2013
Commercial Integration Demonstration				
Commercial Integration Demonstration	1	2013	4	2013

Exhibit R-2A, RDT&E Project Justification: PB 2015 Defense Information Systems Agency			Date: March 2014
Appropriation/Budget Activity 0400 / 7	R-1 Program Element (Number/Name) PE 0302019K / *Defense Info. Infrastructure Engineering and Integration*	Project (Number/Name) T62 / *GIG Systems Engineering and Support*	

COST ($ in Millions)	Prior Years	FY 2013	FY 2014	FY 2015 Base	FY 2015 OCO #	FY 2015 Total	FY 2016	FY 2017	FY 2018	FY 2019	Cost To Complete	Total Cost
T62: *GIG Systems Engineering and Support*	21.326	5.846	6.911	3.236	-	3.236	2.297	2.251	2.238	2.255	Continuing	Continuing
Quantity of RDT&E Articles	-	-	-	-	-	-	-	-	-	-		

The FY 2015 OCO Request will be submitted at a later date.

A. Mission Description and Budget Item Justification

The Chief Technology Officer (CTO) has the responsibility of defining and validating the overall technical strategies for the Defense Information Systems Agency (DISA) in line with the DoD IT Efficiency strategy and Department of Defense Chief Information Officer (DoD CIO) Campaign Plan. These strategies establish the foundation for technology investments, technical development, Cooperative Research and Development Agreements, and the operations and sustainment of critical net-centric products and services provided by DISA. DISA CTO conducts technical system engineering reviews and oversight. CTO's early identification of technology needs will be managed through the Technology Management Framework (TMF), a part of the broader Advanced Technology Identification and Insertion Process (ATIIP). TMF uses as its substrate an institutionalized, directorate partnering construct (i.e. DISA CIO, CTO, Strategic Planning and Information (SPI)), based upon an Enterprise Architecture (EA) methodology.

The CTO supports end to end (E2E) technology evaluations, assessments, process improvements, as well as the analysis and review of potential technology solutions, products, capabilities and services to ensure consistency with DoD Information Network (DODIN) architecture and standards. Our products provide actionable, decision-oriented information to the Secretary of Defense, Joint Staff, Military Services, Combatant Commands, and other mission partners in satisfying DoD mission objectives.

The CTO maintains the Technology Environment, which provides the infrastructure, tools, processes, and techniques to perform various types of assessments and evaluations. These include informal quick looks, technology demonstrations, proof-of-concept events, and technology piloting events, as well as formally orchestrated operational assessments. The Technology Environment is capable of supporting a broad range of topics and issues such as EA, wireless and mobile computing, transport technologies, net-centricity compliance, unified capabilities services, Web 2.0, cloud computing, and social networking.

B. Accomplishments/Planned Programs ($ in Millions)	FY 2013	FY 2014	FY 2015
Title: Department of Defense Information Network (DODIN) Systems Engineering and Support (formerly Global Information Grid (GIG) Systems Engineering and Support)	5.846	6.911	3.236
FY 2013 Accomplishments: Elements of the TMF were refined or replaced based on lessons-learned, user feedback and metrics. Worked with DoD test ranges and non-DoD Federal sector partners to realize cross-domain, cross enterprise E2E system testing in support of the Technology Readiness Assessment. Analyzed industry standards and specifications and advise the DoD CIO on establishing the			

Exhibit R-2A, RDT&E Project Justification: PB 2015 Defense Information Systems Agency		Date: March 2014
Appropriation/Budget Activity 0400 / 7	**R-1 Program Element (Number/Name)** PE 0302019K / *Defense Info. Infrastructure Engineering and Integration*	**Project (Number/Name)** T62 / *GIG Systems Engineering and Support*

B. Accomplishments/Planned Programs ($ in Millions)	FY 2013	FY 2014	FY 2015
framework for information sharing in the DoD and non-DoD Federal community. Integrated emerging commercial technologies to gain immediate user feedback, provide risk mitigation, and support enhancement of operations. ***FY 2014 Plans:*** TMF now DISA Technology Information Repository (DTIR), will continue hosting tool suites for its systems, services and capabilities (e.g. Senior Leadership Multi-level Security laptop to programs of record). The increase of +$1.065 from FY 2013 to FY 2014 is as a result of development, exploration and implementation of innovative solutions across a myriad set of emerging technologies . ***FY 2015 Plans:*** Support the transition of applications and services to Core Data Centers for Joint Information Environment (JIE) capabilities, concepts and operations, CTO will develop and mature cloud computing technologies and service delivery models. These technologies include, cyber threat and exploitation vectors and mitigations, full featured Geo-Location Policy Based Mobile Device Management and secure mobile multi user/environment technologies, next generation Software Defined Networks and supporting concept of operations. The decrease of -$3.675 from FY 2014 to FY 2015 is attributable to transitioning of pilots and research and development programs to programs of record and a reduction in DISA's performance of research, assessment, development, proof-of-concepts and pilots, adoption and integration, and transition of emerging and next generation technologies.			
Accomplishments/Planned Programs Subtotals	5.846	6.911	3.236

C. Other Program Funding Summary ($ in Millions)

Line Item	FY 2013	FY 2014	FY 2015 Base	FY 2015 OCO	FY 2015 Total	FY 2016	FY 2017	FY 2018	FY 2019	Cost To Complete	Total Cost
• O&M, DW/PE 0302019K: *Operation & Maintenance, Defense-Wide*	4.649	5.694	5.052	-	5.052	5.074	5.067	5.245	5.246	Continuing	Continuing

Remarks

D. Acquisition Strategy

Market research during the acquisition process includes a review of DISA contracts, other DoD contract vehicles, and other Federal Government agency contracts which are advertised for Government-wide usage. This market research also includes consideration of small businesses including minority/women owned (8A) businesses, Historically Black Colleges and Universities, mentor/protégé and other specialized contract vehicles and processes. Market research evaluates all contractors available

Exhibit R-2A, RDT&E Project Justification: PB 2015 Defense Information Systems Agency		Date: March 2014
Appropriation/Budget Activity 0400 / 7	**R-1 Program Element (Number/Name)** PE 0302019K / *Defense Info. Infrastructure Engineering and Integration*	**Project (Number/Name)** T62 / *GIG Systems Engineering and Support*

from DISA sources for their ability to deliver the products specifically required for the unique program efforts. The program works collaboratively with vendors to obtain generic cost data for planning and analysis purposes. Past and current contract prices for similar work and other government-wide agency contracts provide additional sources of information. Quotes from multiple sources help provide averages for more realistic cost estimates. DISA makes a concerted effort to award many of its contracts to small businesses. Additionally, many of the DISA contracts are awarded with multiple option periods. These have the benefit of fixing labor costs over an extended period and minimizing the administrative costs associated with re-issuing short-term contracts.

E. Performance Metrics

Performance is measured by project milestones and the adoption of these technologies into existing Programs of Record (PORs) or as new program offerings to the DoD and intelligence communities. Metrics that will be used include number and percentage of emerging and mature technologies adopted by DISA and DoD, number and percent of technology research and development initiatives and investments in the DoD, peering organizations and industry partners attributable to technology research. These investments and evolution plans identify, promote, channel and align technology research and investments to reduce time to field emerging technologies to satisfy warfighter requirements.

Exhibit R-3, RDT&E Project Cost Analysis: PB 2015 Defense Information Systems Agency			Date: March 2014
Appropriation/Budget Activity 0400 / 7	**R-1 Program Element (Number/Name)** PE 0302019K / *Defense Info. Infrastructure Engineering and Integration*	**Project (Number/Name)** T62 / *GIG Systems Engineering and Support*	

Product Development ($ in Millions)

Cost Category Item	Contract Method & Type	Performing Activity & Location	Prior Years	FY 2013 Cost	FY 2013 Award Date	FY 2014 Cost	FY 2014 Award Date	FY 2015 Base Cost	FY 2015 Base Award Date	FY 2015 OCO Cost	FY 2015 OCO Award Date	FY 2015 Total Cost	Cost To Complete	Total Cost	Target Value of Contract
Engineering and Technical Services	FFRDC	MITRE : McLean, VA	2.805	1.031	Nov 2012	0.600	Oct 2013	1.500	Feb 2015	-		1.500	Continuing	Continuing	Continuing
Industry Tech Res	C/FFP	Gartner : Various	0.249	-		0.129	Oct 2013	-		-		-	Continuing	Continuing	0.378
GIG Technical Insertion Engineering	C/FFP	SRA, Inc. : Fairfax, VA	1.211	-		-		-		-		-	Continuing	Continuing	1.211
Product Development	C/Various	Raytheon : Various	1.297	0.304	Dec 2012	-		-		-		-	Continuing	Continuing	1.601
DAMA-C	MIPR	Defense Micro-electronics Activity : Various	11.794	-		-		-		-		-	Continuing	Continuing	11.794
Thin Engineering Support	MIPR	MIT Lincoln Labs : Lexington, MA	1.500	0.950	Feb 2013	-		1.010	Feb 2015	-		1.010	Continuing	Continuing	Continuing
Engineering and Technical Support	C/FFP	Moya Technologies, Inc. : TBD	0.565	0.647	Nov 2012	0.350	Oct 2013	-		-		-	Continuing	Continuing	1.562
Engineering Technical Services	MIPR	TBD : TBD	1.262	-		5.132	Oct 2013	-		-		-	Continuing	Continuing	7.709
Product Development	C/FFP	Science and Technology Associates, Inc : Arlington, VA	0.643	-		0.700	Jan 2014	0.400	Jan 2015	-		0.400	Continuing	Continuing	Continuing
Product Development	MIPR	SPAWAR : Charleston, SC	-	0.376	Jan 2013	-		-		-		-	-	-	0.376
Product Development	MIPR	NSA : Ft. Meade, MD	-	0.691	Sep 2013	-		-		-		-	-	-	0.691
Engineering Technical Services	C/FFP	TWM : Falls Church, VA	-	0.181	Mar 2013	-		-		-		-	-	-	0.018
Product Development	C/FFP	SOLERS : Arlington, VA	-	0.400	Aug 2013	-		-		-		-	-	-	0.400
Product Development	C/FFP	Booz Allen Hamilton : McLean, VA	-	0.500	Aug 2013	-		-		-		-	-	-	0.500
Product Development	MIPR	JITC : Ft. Meade, MD	-	0.351	Jun 2013	-		-		-		-	-	-	0.351

Exhibit R-3, RDT&E Project Cost Analysis: PB 2015 Defense Information Systems Agency			Date: March 2014
Appropriation/Budget Activity 0400 / 7	R-1 Program Element (Number/Name) PE 0302019K / *Defense Info. Infrastructure Engineering and Integration*	Project (Number/Name) T62 / *GIG Systems Engineering and Support*	

Product Development ($ in Millions)

Cost Category Item	Contract Method & Type	Performing Activity & Location	Prior Years	FY 2013 Cost	FY 2013 Award Date	FY 2014 Cost	FY 2014 Award Date	FY 2015 Base Cost	FY 2015 Base Award Date	FY 2015 OCO Cost	FY 2015 OCO Award Date	FY 2015 Total Cost	Cost To Complete	Total Cost	Target Value of Contract
Engineering Technical Services	MIPR	Various : Ft. Meade, MD	-	0.415	Jul 2013	-		0.326	Oct 2014	-		0.326	-	-	-
		Subtotal	21.326	5.846		6.911		3.236		-		3.236	-	-	-

	Prior Years	FY 2013		FY 2014		FY 2015 Base		FY 2015 OCO		FY 2015 Total	Cost To Complete	Total Cost	Target Value of Contract
Project Cost Totals	21.326	5.846		6.911		3.236		-		3.236	-	-	-

Remarks

Exhibit R-4, RDT&E Schedule Profile: PB 2015 Defense Information Systems Agency		Date: March 2014
Appropriation/Budget Activity 0400 / 7	**R-1 Program Element (Number/Name)** PE 0302019K / *Defense Info. Infrastructure Engineering and Integration*	**Project (Number/Name)** T62 / *GIG Systems Engineering and Support*

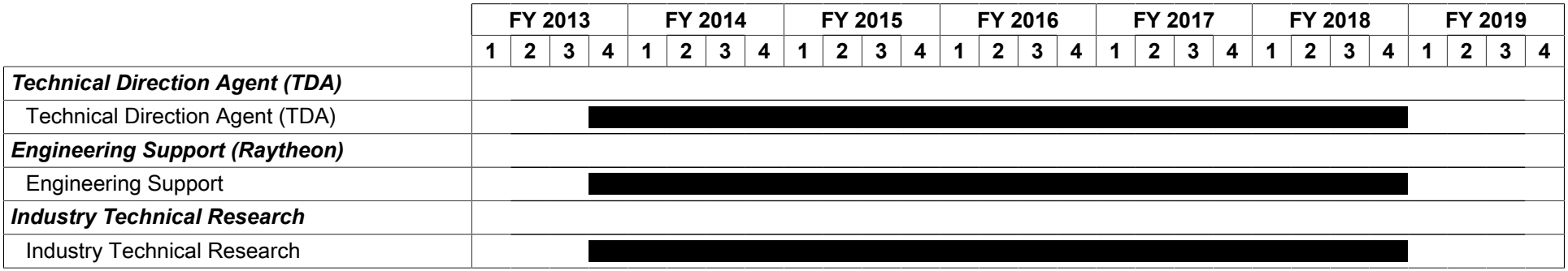

Exhibit R-4A, RDT&E Schedule Details: PB 2015 Defense Information Systems Agency		Date: March 2014
Appropriation/Budget Activity 0400 / 7	**R-1 Program Element (Number/Name)** PE 0302019K / *Defense Info. Infrastructure Engineering and Integration*	**Project (Number/Name)** T62 / *GIG Systems Engineering and Support*

Schedule Details

	Start		End	
Events by Sub Project	**Quarter**	**Year**	**Quarter**	**Year**
Technical Direction Agent (TDA)				
Technical Direction Agent (TDA)	4	2013	4	2018
Engineering Support (Raytheon)				
Engineering Support	4	2013	4	2018
Industry Technical Research				
Industry Technical Research	4	2013	4	2018