Department of Defense
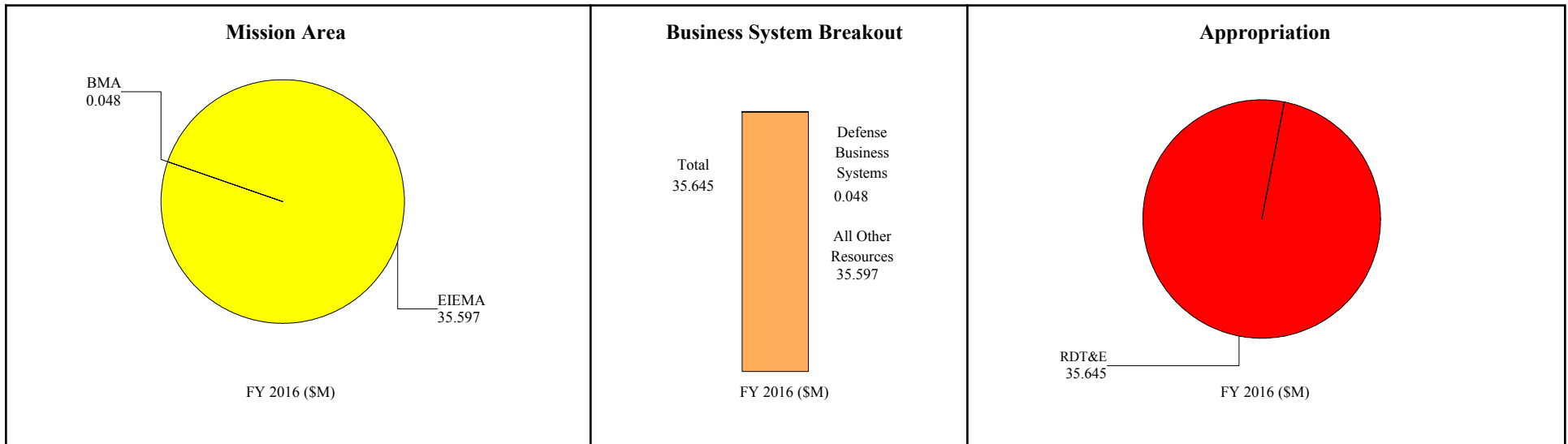## Fiscal Year (FY) 2016 President's Budget Request
Defense Advanced Research Projects Agency

Mission Area	**Business System Breakout**	**Appropriation**

Mission Area

BMA
0.048

EIEMA
35.597

FY 2016 ($M)

Business System Breakout

Total
35.645

Defense Business Systems
0.048

All Other Resources
35.597

FY 2016 ($M)

Appropriation

RDT&E
35.645

FY 2016 ($M)

FY15 to FY16 Comparison ($M)

	FY2015	Inflation	Program Change	FY2016
PB FY2016:	35.119	0.596	-0.070	35.645

See Significant Changes section for explanation of Progam Change

FY15PB/FY16PB Comparison ($M)

	FY2015	FY2016	Delta
PB FY2015:	34.907	35.432	0.525
PB FY2016:	35.119	35.645	
Delta:	0.212	0.213	

See Significant Changes section for explanation

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Executive Summary

 I. Overall Mission and IT Program. The DARPA mission is to maintain U.S. technological superiority over potential adversaries by identifying and supporting breakthrough technologies of interest to the Military. IT services and support required to meet this responsibility include "state-of-the-shelf" (newest available) tools and services, and rapid, flexible responses to mission-essential and evolving government requirements. DARA has no major systems and no mission critical systems. DARPA's corporate Information Technology (IT) activities provide direct support to a small agency staff and support contractor personnel at a single location engaged in making research investments in new technologies considered to be critical to the nation's defense. Unclassified IT support of this mission is afforded by the DARPA Management Support System (DMSS), while classified IT support is provided by DARPA's Classified IT Support Systems (CITSS). Both systems provide general office automation and decision support. The DMSS is not a part of the Global Information Grid (GIG), providing Internet access and computer network defenses (CND) to DARPA independent of the NIPRNet.

II. Strategic Plan Elements/Business Plan Requirements (Vision). DARPA envisions its IT as world class, providing technology leadership in the enhanced support of its business functions and communications, while maintaining risk-aversive operations and a secure profile.

Significant Changes   (Explanations of Change by Appropriation Group. Dollars are in thousands unless otherwise noted.)

RDT&E

Horizontal Change   (Delta -70)
  Fact of life adjustment. Change reflects contract repricing.

Vertical Change   (Delta 213)
  Fact of life adjustment. Change reflects contract repricing.

Major Accomplishments

Major IT accomplishments align to Policy Compliance and Agency IT Support categories.

Policy Compliance FY14 Accomplishments:

• Achieved renewal by USCYBERCOM as a Level II Computer Network Defense Service Provider (CNDSP).
• Achieved renewal by DoD CIO of GIG Waivers to operate, maintain, and secure Internet presence independent from the NIPRNet.
• Received "Excellent" scores from USCYBERCOM for the Command Cyber Readiness Inspection (CCRI) conducted by DISA at DARPA.
• Implemented USCYBERCOM-directed implementation of approved Assured Compliance & Assessment System (ACAS), DoD SIPRNET Visitor Software, and Host Based Security System (HBSS) baselines.
• Completed implementation of SIPRNET Public Key Infrastructure (PKI) tokens.
• Engineered unique applications of existing cross domain solutions to facilitate the implementation of the DARPA Insider Threat Program.
• Conducted tech refreshes of all classified network servers, storage, and client systems.
• Sustained certification and accreditation for the IT systems reported to DoD.
• Monitored networks in accordance with CNDSP authorities and DoD policies.

Agency IT Support FY14 Accomplishments:

• Virtualization of 75% of all operating systems (OS).
• Conducted tech refresh of unclassified tablets and smartphones to latest Windows, Apple iOS, and Samsung Android platforms.
• Conducted tech refreshes of all classified network servers, storage, and client systems.
• Completed virtualization of all candidate servers on all Windows networks.
• Implemented robust unified communications collaboration capabilities (Adobe Connect, SharePoint, Extranet) to achieve increased efficiencies with DARPA performers and contract agents.
• Matured requirements analysis process to assess, demonstrate, pilot, and implement new and disruptive technologies.
• Upgraded all Windows network server operating systems to either Windows 2008R2 or 2012.
• Supported engineering and implementation of important IT services at a COOP site.
• Completed audio visual touch panel upgrade to more intuitive interface and thin client VDI technology within all DARPA conference rooms.
• Performed preventative maintenance on IT systems.
• Maintained IT system configuration control.
• Tested and implemented software application upgrades.
• Refreshed intrusion detection and prevention systems (ID/PS), firewalls, and security incident and event manager (SIEM) systems on all networks.
• Deployed new network infrastructure monitoring solution on all networks.

Major Planned Activities

Major planned activities will be concentrated in IT security and services delivery.
• Operate and maintain the classified and unclassified IT infrastructure at the DARPA facility.
• Complete re-homing transition of current GIG-interconnection to the Mission Partner Gateway (MPG).
• Continue transition of DARPA systems from the DoD Information Assurance Certification and Accreditation Program (DIACAP) to Risk Management Framework (RMF).
• Conduct refresh of all unclassified workstations and laptops.
• Continue to develop and implement applications to enhance and streamline DARPA business processes and program funding decisions.
• Sustain hardware, software, and maintenance licenses, and leverage enterprise agreements when prudent.
• Upgrade network and storage capacities and speed.
• Implement continuous monitoring in accordance with DoD RMF policies.
• Operate, maintain, and conduct a refresh of conference room Video Teleconferencing (VTC) capabilities to minimize travel costs.

Infrastructure Modernization/Joint Information Environment (JIE)

DARPA has no immediate or ongoing implementation activities in this area. The DMSS and CITSS systems remain outside the operational construct of JIE.

Core Network Infrastructure

DARPA has no immediate or ongoing implementation activities in this area.

Joint Regional Security Stack (JRSS)

DARPA has no immediate or ongoing implementation activities in this area.

Data Center and Server Consolidation

DARPA has no immediate or ongoing implementation activities in this area.

Cloud Computing

DARPA has no immediate or ongoing implementation activities in this area.

Defense Business Systems

DARPA has no immediate or ongoing implementation activities in this area.

Consolidation of Software Purchases

DARPA has no immediate or ongoing implementation activities in this area.

Consolidation of Hardware Purchases

DARPA has no immediate or ongoing implementation activities in this area.

Department of Defense
Fiscal Year (FY) 2016 President's Budget Request
Defense Advanced Research Projects Agency

Information Technology Budget Exhibit Resource Summary by Investment (IT-1)		

---------- Dollars in Thousands ----------

	FY2014	*FY2015*	*FY2016*
RESOURCE SUMMARY:	$34,427	$35,119	$35,645

007-000000595 - DEFENSE INFORMATION SYSTEM NETWORK (DISN) Major

GIG Category: COMMUNICATIONS AND COMPUTING INFRASTRUCTURE

RDT&E

---------- Dollars in Thousands ----------

Appropriation	*Budget Activity*	*Program Element*	*FY2014*	*FY2015*	*FY2016*
RDT&E, DW	BA 02 APPLIED RESEARCH	0602303E INFORMATION & COMMUNICATIONS TECHNOLOGY	36	0	0
		Investment Resource Summary:	36	0	0

007-000001794 - STANDARD PROCUREMENT SYSTEM (SPS) Major

GIG Category: FUNCTIONAL AREA APPLICATIONS

RDT&E

---------- Dollars in Thousands ----------

Appropriation	*Budget Activity*	*Program Element*	*FY2014*	*FY2015*	*FY2016*
RDT&E, DW	BA 02 APPLIED RESEARCH	0602303E INFORMATION & COMMUNICATIONS TECHNOLOGY	27	27	27
		Investment Resource Summary:	27	27	27

007-000003549 - DARPA Management Support System (DMSS) Non-Major

GIG Category: COMMUNICATIONS AND COMPUTING INFRASTRUCTURE

RDT&E

---------- Dollars in Thousands ----------

Appropriation	*Budget Activity*	*Program Element*	*FY2014*	*FY2015*	*FY2016*
RDT&E, DW	BA 02 APPLIED RESEARCH	0602303E INFORMATION & COMMUNICATIONS TECHNOLOGY	25,195	21,759	22,085
		Investment Resource Summary:	25,195	21,759	22,085

Information Technology Budget Exhibit Resource Summary by Investment (IT-1)

007-000003550 - Classified Information Technology Support Services (CITSS) — Non-Major

GIG Category: COMMUNICATIONS AND COMPUTING INFRASTRUCTURE

RDT&E

----------- Dollars in Thousands -----------

Appropriation	*Budget Activity*	*Program Element*	*FY2014*	*FY2015*	*FY2016*
RDT&E, DW	BA 02 APPLIED RESEARCH	0602303E INFORMATION & COMMUNICATIONS TECHNOLOGY	9,148	13,312	13,512
		Investment Resource Summary:	9,148	13,312	13,512

007-000006312 - DEFENSE TRAVEL SYSTEM (DTS) — Major

GIG Category: FUNCTIONAL AREA APPLICATIONS

RDT&E

----------- Dollars in Thousands -----------

Appropriation	*Budget Activity*	*Program Element*	*FY2014*	*FY2015*	*FY2016*
RDT&E, DW	BA 02 APPLIED RESEARCH	0602303E INFORMATION & COMMUNICATIONS TECHNOLOGY	21	21	21
		Investment Resource Summary:	21	21	21