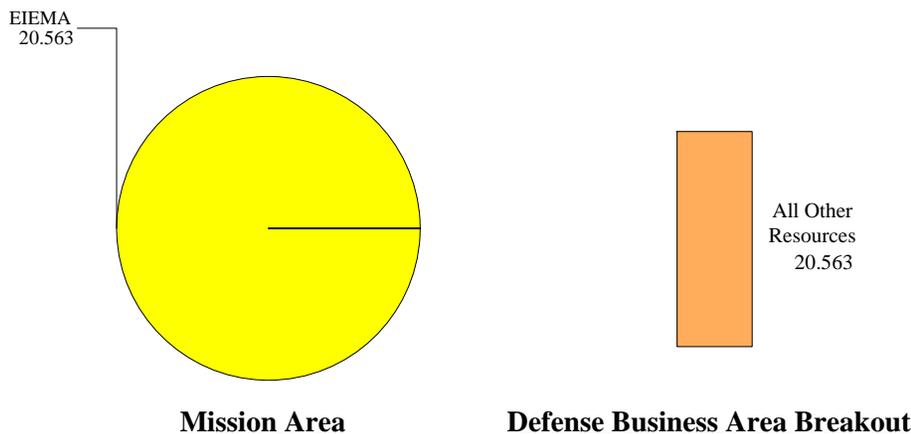


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**FY2012 (\$M)**



**FY11/12PB Comparison (\$M)**

	<u>FY2011</u>	<u>FY2012</u>	<u>Delta</u>
<b>PB FY2011:</b>	\$ 22.487	\$ 22.477	\$ -0.010
<b>PB FY2012:</b>	\$ 22.487	\$ 20.563	\$ -1.924
<b>Delta:</b>	\$ 0.000	\$ -1.914	

**Explanation:**

The FY 2010 figure (FY12PB) reflects actual program costs and impact of the FY 2010 congressional reduction to the DTIC baseline program.

The delta related to the FY 2012 position (FY12PB vice FY11PB) reflects an overall decrease in the DTIC funding authority. Specifically, FY 2012 budget reductions related to the Department's "Improving DoD Business Operations", DoD Efficiency Initiatives, changing Economic Assumptions, and Other Program Changes, have reduced FY 2012 resources allocated against the IT program.

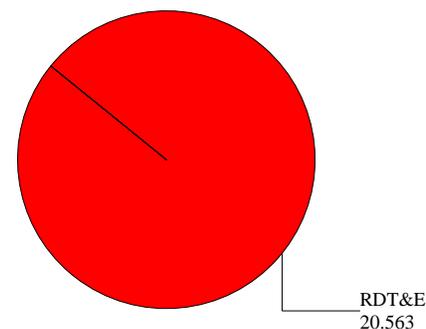
**FY11 to FY12 Comparison (\$M)**

	<u>FY2011</u>	<u>FY2012</u>	<u>Delta</u>
<b>PB FY2012:</b>	\$ 22.487	\$ 20.563	\$ -1.924

**Explanation:**

The delta between FY 2011 and FY 2012 budget positions reflects an overall decrease in the DTIC funding authority. Specifically, FY 2012 budget reductions related to the Department's "Improving DoD Business Operations", DoD Efficiency Initiatives, changing Economic Assumptions, and Other Program Changes, have reduced FY 2012 resources allocated against the IT program.

**FY2012 (\$M)**



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**Executive Summary**

The Defense Technical Information Center (DTIC) facilitates the transfer of scientific, technical and program information throughout the national defense community and leverages the substantial investment of the Department of Defense (DoD) in research, development, test and evaluation (RDT&E) information. Using advanced knowledge management techniques and centralized information discovery, dissemination and collaboration systems, DTIC reduces information discovery costs and increases access to information for defense researchers, planners, and the warfighter while ensuring information security and user authentication. These efforts ultimately support DoD initiatives and increase the effectiveness of the DoD research, development and acquisition processes.

DTIC's networked systems contain metadata and full-text for over a million technical reports and ongoing research efforts, as well as tools to support information discovery and analysis. To improve the integration of DTIC's resources and provide a consistent user experience, DTIC developed and launched the DTIC Online Access Controlled user interface. The interface provides unified navigation and single sign-on access to DTIC's sensitive but unclassified (SBU) resources.

DTIC provides development and hosting for over one hundred Website applications that support DTIC and Component missions, such as the Core Vulnerability Assessment Management Program, which collects vital vulnerability information for the Joint Staff, and the DoD Comptroller's R-2 Budget Exhibit system, which generates standardized budget exhibits from XML coded data produced from the Component's existing internal systems without requiring a change to their underlying structure.

DTIC recently launched the DoDTechipedia Suite of Services using Web 2.0 technologies to support S&T researchers and acquisition decision-makers. The first DoDTechipedia service is a limited access wiki facilitating collaboration and knowledge sharing across the DoD and other Federal agencies. The second is a classified wiki on the SIPRNET that facilitates discussion of capability gaps and technology needs in a more secure environment. The third service, DefenseSolutions.gov, is a Website that reaches out to non-traditional technology providers offering them a mechanism for directly submitting technology solutions in areas of interest to the DoD.

The DTIC managed Information Analysis Centers respond directly to the Combatant Commands and Military Services, providing information and support in areas such as chemical and biological threat and defense, information assurance, sensors, and survivability and vulnerability.

In addition to supporting and enhancing the initiatives mentioned above, DTIC is continuously improving its system architecture to support emerging Web2.0 technologies, new DoD-wide application initiatives and recent DoD and government-wide security initiatives. These new initiatives include Service Oriented Architectures, the DoD Demilitarized Zone (DMZ) Architecture and Continuity of Operations (COOP) initiatives.

**Significant Changes**

DTIC routinely investigates new and emerging technologies that have potential application for the Defense Community. DTIC continues to enhance its user authentication and user access management capabilities for Website users. DTIC is working to integrate single sign-on with the DoD Common Access Card and the Homeland Security Presidential Directive 12 (HSPD-12)-mandated Personal Identity Verification (PIV) card to enforce effective strategies for data access control. DTIC monitors and complies with Joint Task Force-Global Network Operations (JTF-GNO) taskings, including Host Based Security System (HBSS) implementation and Fragmentary Order (FRAGO) 11, which (among other activities) placed a moratorium on the use of Universal Serial Bus (USB) removable media. The implementation and continuance of Information Operations Condition (INFOCON) 3 has also made a significant demand on DTIC resources to maintain compliance.

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Internet Protocol version 6 (IPv6) -- DTIC surveyed its internal and outward facing network devices and determined in June 2008 that they were IPv6 compatible and fully compliant with current guidance.

Homeland Security Presidential Directive 12 (HSPD-12) -- DTIC has moved forward with requiring the DoD Common Access Card (CAC) for access to all of the DoD-only restricted websites supported at DTIC. Once DoD makes the CAC compliant with Personal Identity Verification (PIV) guidance, all DTIC-supported DoD-only access will be compliant with HSPD-12.

Host Based Security Systems (HBSS) – DTIC will be in compliance with all current requirements by 2nd Qtr, FY 2011.

Information Operations Condition (INFOCON) 3 – DTIC is in compliance with INFOCON 3. Until the INFOCON level is changed by the Joint Task Force-Global Network Operations, DTIC will continue to implement, monitor and report system configuration information on a recurring basis.

Federal Desktop Core Configuration (FDCC) – DTIC is implementing the Office of Management and Budget mandate, requiring all Federal Agencies to standardize the configuration of their Windows XP and Vista Computers to strengthen Federal IT security by reducing opportunities for unauthorized access. As of today, December 2010, 100% of DTIC's desktops were reconfigured.

### **Defense Business Systems**

DTIC no longer has a Defense Business System. In 2008, the Department of Defense, Business Transformation Agency, Enterprise Planning and Investment, Internal Review Board conducted a review of the R&E Portal and determined it was a tool, not a Defense Business System.

### **Information Assurance Activities**

DTIC has achieved full accreditation of all IT systems (Headquarters and San Diego sites). These accreditation statements were signed on 16 July 2008 and they are valid for three years. Accreditation approval was based on system documentation, compliance with DISA's Security Technical Implementation Guides (STIGs) and DoD mandates, and two separate highly favorable security reviews conducted by DISA and a contracted, external organization.

DTIC published an internal DTIC Information Assurance (IA) Program Instruction on 19 July 2005. A draft update to this instruction has been submitted for coordination. This publication provides a single, authoritative document for DTIC personnel that address internal IA policies and procedures. DTIC has had an in-house IA Certification training program in place for many years, which utilizes DISA produced computer-based training (CBT) modules. All of DTIC's Systems Administrators (SAs) have received this training. SAs are required to complete the local DTIC IA training prior to obtaining administration privileges on any DTIC system. Since the IA Workforce Improvement Program under DoD Directive 8570.1 does not mandate Level II certification, DTIC is considering suspending its internal level II certification training.

DTIC is actively implementing the IA Workforce Improvement Program (DoD 8570) requirements. Currently, 72% of DTIC's identified personnel have achieved certification. All DTIC personnel (regardless of the job title) are required to receive the most current DoD-approved IA Awareness Training annually. We are 100% compliant with this requirement. Historically, DTIC has emphasized IA requirements and thoroughly evaluates security and IA concerns in all new system initiatives and system changes.

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DTIC closely monitors, records and responds to the Joint Task Force-Global Network Operations Information Assurance Vulnerability alerts, Communications Tasking Orders and Warning Orders to ensure a high degree of information assurance compliance for our systems. DTIC has a formal agreement with the DISA Field Security Office (FSO) for Computer Network Defense (CND) support. DTIC also continues to monitor the Army Research Lab Interrogator tool to enhance DTIC's defense-in-depth posture. Additionally, SAs closely monitor applicable vendor sites for additional vulnerability and product enhancement information. 100% of DTIC's information technology (IT) system information has been entered into the DoD IT Registry as required.

### **Major Accomplishments**

DTIC continued to develop, enhance and maintain information transfer products and services:

- Developed and implemented three components of the DoDTechipedia Suite of Services. These components include: a limited access wiki-based site designed to increase communication, collaboration and knowledge sharing among Federal S&T and acquisition community members; a classified wiki based site on the SIPRNET that facilitates discussion of capability gaps and technology needs in a more secure environment; and DefenseSolutions.gov, a Website that reaches out to non-traditional technology providers offering them a mechanism for directly submitting technology solutions in areas of interest to the DoD.
- Improving search capabilities for the DTIC Online Public user interface to support field specific searches for technical report metadata.
- Deploying DTIC Online – Access Controlled, a unified user interface, for DTIC's sensitive but unclassified science and technology collections with single sign-on, CAC enablement and additional search capabilities.
- Supporting 100+ DTIC and Component Web sites, including the Director, Defense Research & Engineering (DDR&E) public site, the Pacific Command (PACOM) site, Federal Voters Assistance Program (FVAP), Core Vulnerability Assessment Management Program (CVAMP), Comptroller R2, and DFAS.
- Enhancing existing products such as the DTIC Online Public User Interface with new features.
- Developing wiki applications to support the increasing need of the DoD Components for interactive collaboration tools and knowledge sharing.
- Expanding the R2 Budget Exhibits application to include all RDT&E budget exhibits.

DTIC has integrated DoD CAC access with Lightweight Directory Access Protocol (LDAP) and SiteMinder to provide single sign-on access control to its sensitive but unclassified Websites, allowing more seamless access for its customers while affording better protection and administration of the data access.

DTIC has deployed a Service Oriented Architecture (SOA) that allows external systems to search, post and retrieve documents directly from DTIC systems.

DTIC worked with the Defense Information Systems Agency (DISA) to provide information on the Global Content Delivery System (GCDS), a world-wide, secure network for information dissemination.

DTIC has implemented the Defense Agencies Initiative (DAI), the Department's effort to extend its solution set for streamlining financial management capabilities, eliminating material weaknesses, and achieving financial statement auditability for the Agencies and Field Activities across the DoD.

DTIC responded rapidly to the ever changing information needs of our customers and served as a role model for providing fast access to information while maintaining appropriate information security.

DTIC implemented Aristotle to allow users to search people, topics and projects across the S&T Community.

DTIC has simplified user registration while strengthening user authentication, working with DMDC via Webservice calls - implemented Aristotle to the DTIC Online Community.

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**Major Planned Activities**

DTIC's Administrator is responsible for overall management of the center and ensures that resources are allocated to meet organizational goals. DTIC's Configuration Control Board reviews major new initiatives for adherence to the organization's goals and monitors their execution. A major DTIC goal is to "make access to information easier while improving information security and integrity." To achieve this goal:

DTIC will continue to develop, enhance and maintain information transfer products and services by:

- Maintaining and enhancing the DTIC Research and Development collections to ensure timely, secure and authoritative information for the national defense community.
- Including more technology intelligence information in its collections to meet researchers' needs for international science and technology information.
- Migrating DTIC's FAST search engine to x.86 servers to begin full text indexing of DTIC's technical report collection in preparation for providing a full-text content searching capability.
- Enhancing the DTIC Online Access Controlled user interface with improved portal capabilities that assist customers in tailoring and customizing their experience.
- Deploying a SIPRNET version of the DTIC Online Access Controlled user interface to include DTIC collections classified up to the Secret level.
- Developing on the DTIC Online Access Controlled site a consolidated DoD budget application combining and enhancing budget searching and analysis capabilities now dispersed in multiple tools.
- Providing greater integration of DTIC's access controlled resources by implementing unified searching of over 800,000 technical report citations and numerous full-text documents from the DTIC Technical Reports Collection using a single search capability in the DTIC Online Access Controlled user interface.
- Expanding the DoDTechipedia Suite of Services by providing and integrating additional web2.0 tools for Community Building, locating colleagues and experts, and establishing Communities of Interest based on S&T topics.
- Integrating searching of DoDTechipedia resources into the DTIC-Online Access Controlled unified search.

DTIC will continue to improve its Information Technology Architecture and Information Assurance initiatives to support and protect DTIC products and services by:

- Providing secure, reliable hosting services for more than 100 Websites supporting the DoD Components.
- Expanding existing application features and architecture to support newly emerging customer requirements and Continuity of Operations (COOP) capabilities.
- Expanding DTIC's Service Oriented Architecture.
- Continuing to use existing tools (COTS, GOTS and Shareware) to improve operational effectiveness and security.
- Implementing new Host Based Security Systems (HBSS) requirements in DTIC on schedule.
- Responding rapidly to Information Assurance (IA) alerts and new IA requirements and initiatives.
- Expanding budget exhibits to include procurement exhibits.
- Fielding Google Search application to replace FAST Search for public and classified DTIC Online.
- Implement Techspace, a "Face Book like" capability on the SIPRNET Appliance.
- Windows 7 on the Desktop.
- DTIC will be moving its Internet Service Provider (ISP) connection to DITCO.
- Continue to provide support to the Federal Voters Assistance Program (FVAP).
- Implement and continue to move forward Search Semantic Capability.

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**Global Information Grid (GIG) / Net-Centricity**

DTIC uses the Internet for collection and dissemination of the information it has in its collection and hosts over 100 web sites and continues to attract DoD customers wanting DTIC to provide content management and web-hosting services. DTIC has implemented Lightweight Directory Access Protocol (LDAP) with SiteMinder to provide single sign-on access control to its limited web sites, allowing more seamless access for its customers while affording better protection and administration of data access. DTIC has implemented and is enhancing Service Oriented Architecture for its Internet-based applications. This architecture will allow server-to-server communications over the NIPRNET and Internet, providing greater interoperability and extensibility. DTIC is beginning to include intelligence information into the Global Enterprise as technical intelligence becomes increasingly more important for DoD's Scientific and Technical Information Programs. DTIC continues to work with the Defense Information Systems Agency (DISA) and NII on NetCentric-Enterprise services.

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

	----- Dollars in Thousands -----		
	<i>FY2010</i>	<i>FY2011</i>	<i>FY2012</i>
<b>DEFENSE TECHNICAL INFORMATION CENTER RESOURCE SUMMARY:</b>	<b>12,443</b>	<b>22,487</b>	<b>20,563</b>

**5024 - DEFENSE TECHNICAL INFORMATION CENTER (DTIC)**

**Major**

GIG Category: COMMUNICATIONS AND COMPUTING INFRASTRUCTURE - NETCENTRIC SERVICES

**RDT&E**

			----- Dollars in Thousands -----		
<i>Appropriation</i>	<i>Budget Activity</i>	<i>Program Element</i>	<i>FY2010</i>	<i>FY2011</i>	<i>FY2012</i>
RDT&E, DW	BA 06 RDT&E MGMT SUPPORT	0605801KA DEFENSE TECHNICAL INFORMATION CENTER (DTIC)	12,443	22,487	20,563

<b>Initiative Resource Summary:</b>	<b>12,443</b>	<b>22,487</b>	<b>20,563</b>
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