



# DTIC: Building 21<sup>st</sup> Century Resources on 70 Years of History

2015 Depository Library Council Meeting and Federal Depository Library Conference  
20 October 2015

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## Who are we?

### ***Defense Technical Information Center (DTIC)***

located in the  
Andrew T. McNamara Headquarters Complex (HQC)  
*Fort Belvoir, Virginia near Washington, DC*

A Defense Field Activity reporting to the  
**Assistant Secretary of Defense for Research & Engineering (ASD(R&E))**



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## Did you know DTIC...

- Is older than the Department of Defense?
- Came into being in 1945 – a year before ENIAC, the first general-purpose electronic computer, was unveiled?
- Developed one of the world's first online bibliographic databases and fielded its first website in 1994?
- Has a collection of more than 4 million DoD technical reports?
- Serves the science and technology (S&T) community, acquisition workforce, warfighters, and other government agencies, including the Departments of Homeland Security, Justice and State, and National Aeronautics and Space Administration (NASA)



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## *What* do we do?

**Serve the DoD community as the largest central resource for DoD and government-funded scientific, technical, engineering, and business related information available today**

**Provide tools to facilitate discovery, dissemination, and collaboration**

**Balance the need for open access against DoD's need to control access to information products and networks**

**Manage the Information Analysis Centers (IACs)**

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## Why do we do it?

By regulation, DoDI 3200.12, “DoD Scientific and Technical Information Program (STIP)”, mandates that DoD research including that done in-house and/or by contractors and grantees should be part of the DTIC collection

Mission to provide essential, technical research, development, testing & evaluation (RDT&E) information rapidly, accurately and reliably to support our DoD customers’ needs

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## Customers/Contributors

Defense Agencies

DoD Laboratories

DoD Research & Engineering (R&E) Contractors

Federally Funded R&D Centers (FFRDC) Nonprofit organizations conducting long-term R&D efforts

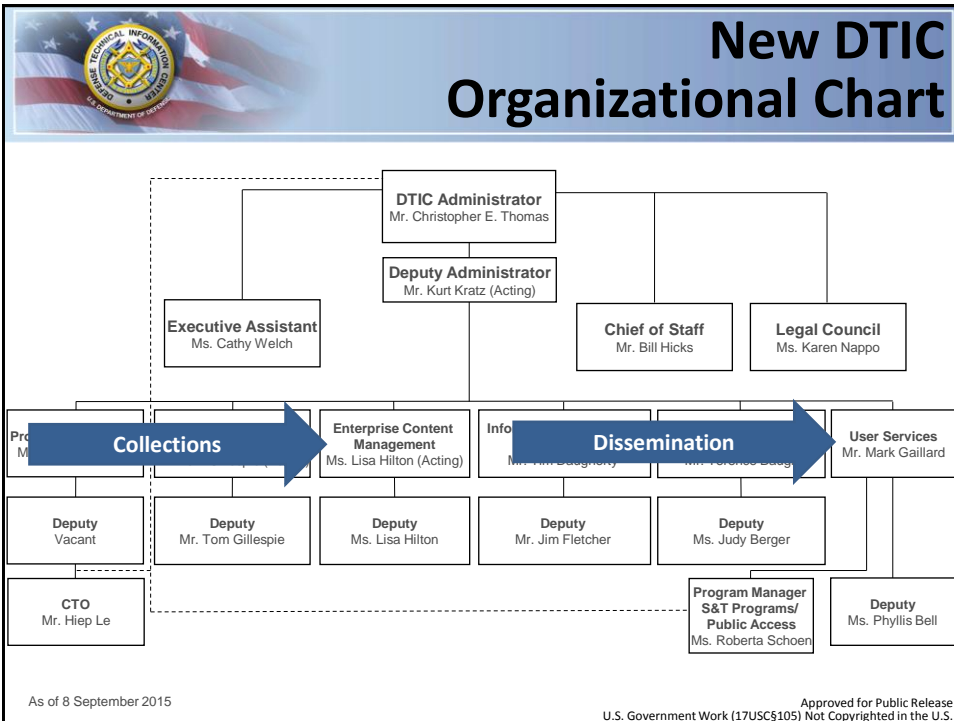
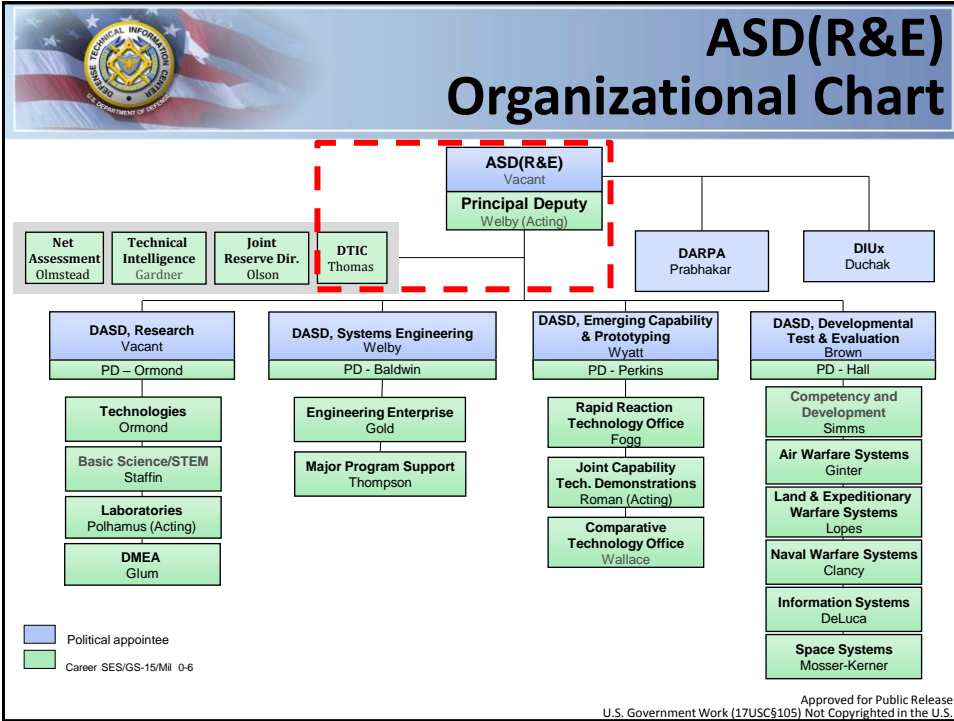
Universities/Military Service Schools

Small Business Innovation Research (SBIR) Awardees

Other Federal Agencies and their Contractors

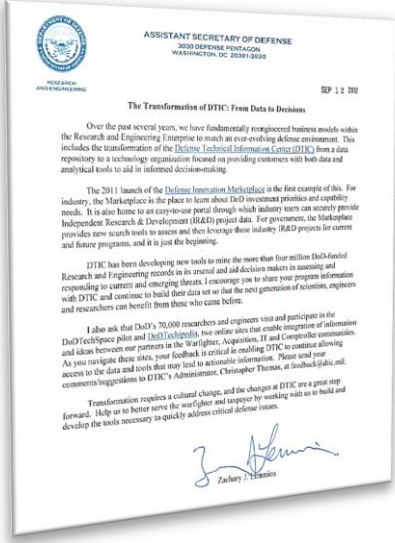
Foreign Governments under MoAs (Memorandum of Agreements) and NATO

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# DTIC Transformation



## From Data to Decisions

Due to the ever-evolving defense environment, DTIC has transformed from a data repository to a technology organization focused on providing customers with both data and analytical tools to aid in informed decision making.

Letter dated 12 Sept 2012 by  
The Honorable Zachary J. Lemnios,  
Assistant Secretary of Defense for Research & Engineering

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# DTIC's Key Role Since 1945

## DTIC's Key Role in DoD S&T Information Program

- Manage S&T Information
- Maximize Resources
- Eliminate Duplication



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## Why Does DTIC Matter?



- Serves as centralized location for DoD funded scientific & technical (S&T) information
- Organizes and stores information permanently
- Leverages the multi-billion dollar investment in DoD research and engineering
- Prevents unnecessary or redundant research
- Provides support for research & development (R&D) activities
- Safeguards information with secure access based on user authorization
- Gets digitized information to the right people at the right time

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## What Does DTIC Do?

- Acquires information and documents from the Research Development Test and Evaluation community (RDT&E)
- Preserves scientific and technical (S&T) research to avoid duplicative efforts
- Performs cataloging and indexing of submitted documents
- Compiles databases and adds value with secure access
- Provides customer outreach and reference and research support for users
- Develops **tools for collaboration** (secure wiki & professional networking sites)
- Designs, executes, and hosts **Web pages/sites** for DoD components
- Provides **training** for database searching, collaborative tools, and the DoD Scientific and Technical Information (STINFO) Manager Training Program
- Manages the **Information Analysis Centers (IACs)**, providing specialized research and information services
- Provides and maintains **secure computer/server capabilities** to meet DoD needs



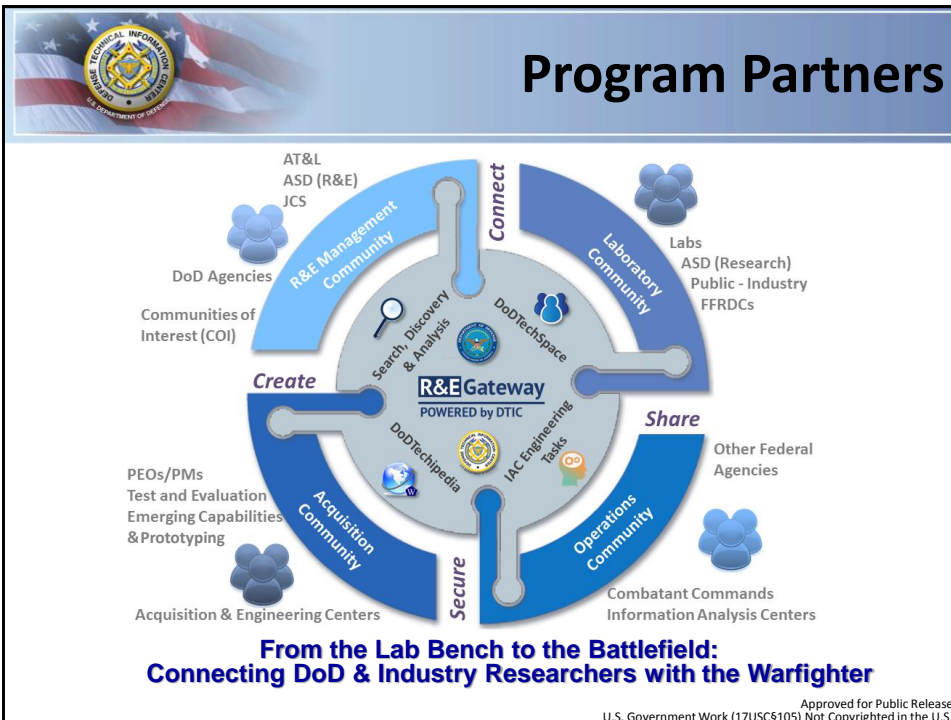
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# DTIC Access Leads to Information, Connections and Collaboration

“The whole is greater than the sum of its parts.”

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# Navigating the DTIC site: DTIC Online

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## DTIC Public

<http://www.dtic.mil>

- Use for publicly accessible reports and resources
- Start here to register (if eligible) and link to controlled resources@

<https://www.dtic.mil>  
(Note: https)



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# Navigation Aids

**Access Controlled Resources: CAC or ECA credential required for access**

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# DTIC A-Z

**DTIC A-Z provides an alphabetical reference listing of all DTIC products, resources and services offered. Similar to a sitemap, here you will find links to all the information that can be found on DTIC's website**

- Navigate through the DTIC website
- Indexes DTIC site, products, services, and support
- Browse

**DTIC A to Z**

A B C D E F G H I J K L M N O P Q R S T U V W X Y Z

**A**

About  
Acronyms  
ANSI/NISO Standard Z39.18-2005, Scientific and Technical Reports - Prep  
Association for Information Science and Technology (ASIS&T)  
Ask a Librarian  
Air University Library Index to Military Periodicals (AULIMP)

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**B**

Budget Tools

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**C**

Cataloging Guidelines [PDF]  
CENDI (Federal Scientific and Technical Information Managers Group)  
Congressional Budget Data (DOD)  
Contributing/submitting documents to DTIC  
Contributors Guidance on Submitting Documents  
Copyright Guidance  
Copyright Guidelines  
Corporate Source Authority System Search (CSAS)  
**(Top of Page)**

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**D**

DDR&E & DUSD (S&T) DoD Research & Engineering Enterprise  
Defense Innovation Marketplace (DIM)  
Directions to DTIC Headquarters  
Distribution Statements & Reasons [PDF]  
Document Submission  
DoD Comptroller  
DoD Congressional Budget Data  
DoD Directives

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# Copyright Information

**DTIC® Guidelines for Determining Copy Rights**

**Purpose**  
 Because R&D managers and STI information center staff are often uncertain about what to do with documents that come to them with copyright notices, these guidelines have been written to help managers and staff in determining government rights in copyrighted works. However, they are not a substitute for professional legal advice. **Because the copyright law is complex and situation based, consult your agency legal counsel with specific copyright questions.**

**1. Is this a document authored by Government employees?**

If yes, it is **NOT** COPYRIGHTED and the Government may reproduce and distribute the work.

**Background**  
 Title 17 USC §105. Subject matter of copyright: United States Government works, states that "Copyright protection is not available for any work of the United States Government," defined in Title 17 USC §101, as a work prepared by an officer or employee of the United States Government as part of that person's official duties.  
 Standard publishing industry practice requires authors to transfer their copyright to publishers. Although publishers acknowledge that works authored by U.S. Government employees are not copy protected and are in the public domain in the U.S., they are not obligated in publication to mark or note these works as exempt from permissions, republish, and copyright fees. Often no notice is given or it may appear along with the publisher note.  
 If an article is written by a Government employee as part of his or her official duties and the publisher does not add copyright protected content, then the Government may reproduce and disseminate an exact copy of the published work when in paper or digital form.  
 A publisher or individual can publish a U.S. Government work, but the publisher or individual cannot assert copyright unless they added original, copyright protected material such that the resulting published work is a derivative work based on the Government work. Copyright for a derivative work extends only to the original material that has been added. If the Government work is published without charge in anthology or compilation form, such as a journal or conference proceeding, the publisher's copyright extends only to the selection and arrangement of the material as a whole. The publisher or editor cannot claim copyright on any part that is a Government work, such as an article or paper that is included in the collection. Title 17 USC §403, Notice of Copyright: Publications incorporating United States Government works states that a notice of Government work is not required, but there may be loss of statutory protections for the copyright claimant if it is not used.  
 However, copyright protection is available for works prepared by Government employees outside of their official duties and certain works of the National Institute for Standards and Technology and the U.S. Postal Service are protected by copyright.

**What to Look for and where to Look**

What	Where
Acknowledgment	Usually found at the end of the article before the bibliography
Author Biographical Information	Usually found at the bottom of either the first or last page
Copyright notice	Usually found at the bottom of the first page (generally in very small print)
Organization/Agency Affiliation	Usually found after or below the author's name. Sometimes found in biographical note

**Sample Statements**

- "The rest of this article is in the public domain pursuant to Sec. 105 of the Copyright Act of 1976."
- "This is a work of the U.S. Government and is not subject to copyright protection in the U.S. Foreign copyrights may apply."

- Not all content found on government sites or in government information is free of copyright
- DTIC Guidelines are in A-Z under copyright

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# Quick Links

**Quick Navigation Guide**

Ask a Librarian	<b>Description:</b> This digital, collaborative reference service is available 24 hours per day, 7 days per week. Questions are answered Monday - Friday, 8:30 a.m. - 5:00 p.m. Eastern time. <b>Find it:</b> This service can be accessed from the contact us tab on the DTIC banner. <a href="http://www.dtic.mil/contactus/askalibrarian">http://www.dtic.mil/contactus/askalibrarian</a>
Corporate Source Authority System Search (CSAS)	<b>Description:</b> The Corporate Source Authority System (CSAS) is the organization's corporate source information. <b>Find it:</b> 1. Select "Research" from the Services tab 2. Select the "Corporate Source" from the list 3. Select "Search" to start your Corporate Source search. <a href="http://www.dtic.mil/dtic/search/tycs.htm">http://www.dtic.mil/dtic/search/tycs.htm</a>
Contact us	<b>Description:</b> The contact us area provides information on how to contact DTIC. <b>Find it:</b> This area can be accessed using the contact us tab on the DTIC banner. <a href="http://www.dtic.mil/dtic/contactus/direct">http://www.dtic.mil/dtic/contactus/direct</a>
DoD Investment Budget Search (R-25 and P-405)	<b>Description:</b> This database furnishes the information from the President's Budget include both Research, Development, Test and Evaluation (RDT&E) and Procurement (P) described on R-25 and identified by P-405 and are identified by P-405. <b>Find it:</b> 1. Select the "Resources" link on the Services tab 2. Select the "Budget Tools" link from the list 3. Select "DoD Investment Budget Search" to start your DoD Investment Budget Search. <a href="http://www.dtic.mil/dtic/services/resources">http://www.dtic.mil/dtic/services/resources</a>
DTIC A to Z	<b>Description:</b> DTIC A to Z is an alphabetical catalog of technical documents in the DTIC collection. <b>Find it:</b> This service can be accessed using the A to Z tab on the DTIC banner. <a href="http://www.dtic.mil/dtic/faq/dtic_a_to_z">http://www.dtic.mil/dtic/faq/dtic_a_to_z</a>
DTIC Thesaurus	<b>Description:</b> The thesaurus is an alphabetical catalog of technical documents in the DTIC collection. <b>Find it:</b> 1. Select "Research" from the Services tab on the DTIC banner. 2. Select the "DTIC Thesaurus" from the list of links provided. 3. Select "Search" to start your "DTIC Thesaurus Search". <a href="http://www.dtic.mil/dtic/search/thesaurus.html">http://www.dtic.mil/dtic/search/thesaurus.html</a>

**Open Government at DTIC** **OPEN.GOV**

In January 2009, President Obama's first executive action was to sign the Memorandum on Transparency and Open Government, which bridges the gap between the American people and their government.

Since its inception 65 years ago, DTIC has provided Americans with a broad range of scientific, technical, engineering and business related resources for academic research. This page serves to enhance our efforts to improve the exchange of public information by providing easy access to scientific and technical (S&T) resources as well as budgetary, social science, policy, and other multidisciplinary resources available in the DTIC collection and through the DTIC Online integrated search. **(Top of Page)**

**DoD Open Government**

Open Government at DoD  
 DoD Public Access Memo, July 09, 2014 [PDF]  
 DoD Public Access Plan, February 2015 [PDF]

Department of Defense (DoD) proposed plan that provides an approach to support increased access to peer-reviewed scholarly publications and digitally formatted scientific data arising from unclassified publicly available research and programs funded wholly or in part by DoD, as directed by Office of Science and Technology Policy (OSTP) Memo: "Increasing Access to the Results of Federally Funded Scientific Research", dated 22 February 2013.

**DTIC's Contribution to Data.gov**

Corporate Source Authority System (CSAS)  
 DTIC Thesaurus  
**(Top of Page)**

**Downloads available may not be latest information**















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**DTIC ToGo @ [www.dtic.mil](http://www.dtic.mil)**  
 for do-it-yourself printing of the latest  
 DTIC handouts.

**DTIC ToGo PDFs**

DTIC's online resource for the latest flyers available for download or print.

 R&E Gateway <a href="#">View Flyer</a>	 Registration <a href="#">View Flyer</a>	 DTIC Search <a href="#">View Flyer</a>	 DoDTechipedia <a href="#">View Flyer</a>
 DoDTechSpace <a href="#">View Flyer</a>	 Defense Innovation Marketplace <a href="#">View Flyer</a>	 Bootcamp <a href="#">View Flyer</a>	 Information Centers Analysis <a href="#">View Flyer</a>
 Selection Criteria <a href="#">View Flyer</a>	 Distribution Statements <a href="#">View Flyer</a>	 International Agreements <a href="#">View Flyer</a>	 DTIC 2015 Calendar <a href="#">View Flyer</a>



**2015**  
[www.dtic.mil](http://www.dtic.mil)  
 DEFENSE TECHNICAL INFORMATION CENTER  
 875 Rome J. Kassebaum Road, Fort Belvoir, Virginia 22060-6218  
 800.325.2642 OR 703.767.2756

January February March  
 April May June  
 July August September  
 October November December

DTIC Gateway  
<https://www.dtic.mil>  
 R&E Gateway A Corner of DoD - Challenges Soared

**DTIC Flyers  
 for Your Organization**

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# Ask a Librarian

**Ask a Librarian**

QuestionPoint is a Cooperative Virtual Reference service developed by OCLC (Online Computer Library Center) and the U.S. Library of Congress and is supported by institutions worldwide. This digital, collaborative reference service is available 24 hours per day, 7 days per week and allows libraries and information centers to expand reference services with shared resources and subject specialists around the world. Questions submitted by patrons via this Web-based digital reference service may be referred to the Global Network or to the consortium of Department of Defense (DoD) libraries for a response.

*Name:	
*E-mail address:	
*Confirm e-mail address:	
Phone:	
*Question:	
*Reason for research:	Select one <input type="checkbox"/> <input checked="" type="checkbox"/>
*May we forward your question to another library? <input type="radio"/> Yes <input type="radio"/> No	
Asterisk (*) denotes required field <input type="button" value="Submit question"/> <input type="button" value="Reset form"/>	

Patron logon to check your questions and answers

**DTIC areas of concentration focus on research, especially science and technology:**

- General DoD questions cannot always be answered at DTIC
- Like other federal agencies, personnel are not always being replaced
- Full text can be downloaded but can only be ordered by registered users, use NTIS

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# R&E Gateway

**DTIC's Scientific and Technical Resources**

The scope of DTIC's scientific and technical (S&T) collection covers all areas of defense research, including biological and medical science, environmental pollution and control, and behavioral and social science. The collection also contains Department of Defense (DoD) directives and instructions, budget information, conference and symposia proceedings, patents and patent applications, and other topics of interest to the defense community.

**DTIC Online (Public)** does not require registration and offers easy access to publicly accessible information from defense and federal websites.

**Controlled Access: Government & Contractors**

**R&E Gateway** offers a collaborative environment, where DoD and industry partners, separated by geography, time and organization, can access and contribute information and data. Through these tools the S&T community can discover, create, and share current and past DoD science and technology advancements and investments as well as coordinate, integrate and optimize technology development efforts. Unless noted, all sites are open to DoD, Federal and contractor employees for broad collaboration.

**DoDTechSpace**  
A virtual collaboration environment for the community to engage in dialogue, create content, coordinate projects and connect with colleagues. It is a planning tool to coordinate, discuss, consolidate and track project data.

**Search**  
Quickly discover public and access controlled DoD research projects and documents, as well as people, places and content from the DoDTechSpace community on your topic of interest. You can save time and money by finding current or past research data and discussions related to your project or people with the needed expertise.

**DoDTechpedia**  
This collective wiki enables the sharing and updating of technology development information instantly by the community. Uncover the latest research updates or store and share your research data.

**Analytics**  
Through this tool you can access S&T funding information. The data is displayed in charts and graphs that the user can manipulate and export. It also provides access to a wide range of business information on the DoD Labs. Open only to DoD personnel.

**Budget Tools**  
Review and analyze DoD research and engineering funding data with quick links to nine Budget and Planning resource websites. Through these tools you have access to RDT&E data, programs, program elements, Procurement, Operations and Maintenance, Personnel, Program Objective Memorandum (POM), Budget Estimate Submission (BES), and Program Budget Review (PBR) budget cycles. These tools enable the Assistant Secretary of Defense for Research & Engineering (ASD/R&E) resource managers to respond to changes proposed by Congress to the RDT&E budget. These tools also enable the Research, Development, Test and Evaluation (RDTE&E) community to follow, update and respond to requests related to the RDT&E budget cycle. In addition, they provide insight on the flexible measurement and flexible measurement of the RDT&E budget cycle.

- ### Why controlled access?
- Reports are provided to DTIC for secondary dissemination in accordance with release markings from the submitting agency
  - Public release information is available to all through DTIC and other outlets (NTIS, science.gov, OCLC, commercial search engines, etc.)
  - Defense, among other agencies, has some information not releasable to all
  - Reasons include proprietary, export control, etc.

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# DoD Congressional Budget

## DoD Congressional Budget Data

**Welcome** to the Defense Technical Information Center (DTIC) sponsored DoD Congressional Budget Data website. From this site you can access DoD Congressional Budget data, in both PDF and Excel spreadsheet formats. DTIC's goal is to post the data from each report on this site after they are filed and made available on the [Congress.Gov](https://www.congress.gov) (Library of Congress) website.

**Disclaimer:** The Congressional budget data contained on this site is based on the authoritative information found on Thomas, the Library of Congress' Web site. DTIC scans the Congressional budget data and converts the information into Excel spreadsheets, which are easier to manipulate. The converted data is reviewed by DTIC to ensure accuracy; however some conversion errors can be overlooked. The scanning process is approximately 90% accurate. You can view the authoritative Congressional budget data at <https://www.congress.gov>.

**Download:** Select links in the table below to download PDFs or Excel spreadsheets of the associated sections of each report. Selecting the report link will allow you to download a PDF of the entire report.

FY2016 Reports	RDT&E		Procurement		O&M		Personnel	
	PDF	Spreadsheet	PDF	Spreadsheet	PDF	Spreadsheet	PDF	Spreadsheet
FY2016 HASC (House Report 114-102) 42MB	781K	89K	252K	352K	523K	55K	548K	39K
FY2016 SASC (Senate Report 114-49) 1387K	195K	105K	184K	259K	137K	25K	142K	39K
FY2016 HAC (House Report 114-139) 94MB	1.47MB	53K	1.8M	100K	1.17M	57K	518K	42K
FY2016 SAC (Senate Report 114-63) 778KB	174KB	238K	225K	225K	1215B	59K	73K	44K
FY2016 Authorization Conference Report								
FY2016 Appropriation Conference Report								

**Feedback:** If you have any questions or comments about the data on this website, or if you find any inconsistencies or errors, please send an e-mail to [DCD\\_Congressional\\_Budget\\_help@dtic.mil](mailto:DCD_Congressional_Budget_help@dtic.mil)

Detailed search and analysis capabilities across the Military Departments and Agencies for RDT&E data are available on the DoD Congressional Budget Queries website through DTIC Online (<https://www.dtic.mil>). The DoD Congressional Budget Queries website is normally populated with each report's RDT&E data within 48 hours of report filing.

[Accessibility Section 108](#)

- DTIC promptly posts reports from the House and Senate committees that oversee DoD's operation and budget (6x/year)
- Posted reports, available in PDF and Excel formats, are divided into 4 parts on DTIC's website:
  - (1) Research, Development, Test and Evaluation (RDT&E)
  - (2) Procurement
  - (3) Operation and Maintenance
  - (4) Personnel
- Accessible from public and access controlled sites
- DTIC list messages notify users of updates

This DTIC service for all DoD-related Congressional markup activities facilitates the timely analysis of Congressional budget decisions.  
[http://www.dtic.mil/congressional\\_budget](http://www.dtic.mil/congressional_budget)

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UNDER SECRETARY OF DEFENSE  
(COMPTROLLER)

HOME ABOUT OUSD(C) FMR BUDGET MATERIALS BUDGET EXECUTION FINANCIAL MANAGEMENT

OFFICE OF THE UNDER SECRETARY OF DEFENSE (COMPTROLLER)

### Welcome to the OUSD(C) Public Website

This website is designed to provide all of the information you need to understand the budget and financial management policy of the Department of Defense. In addition to budget numbers, justification materials, and performance measures you will also find information about the Department's ongoing effort to improve efficiency and accountability.

**Under Secretary of Defense (Comptroller) and Chief Financial Officer**

**Honorable Mike McCord**



Mike McCord was sworn in as the Under Secretary of Defense (Comptroller)/Chief Financial Officer on June 27, 2014 and serves as the principal advisor to the Secretary of Defense on all budgetary and financial matters, including the development and execution of the Department's annual budget of more than \$500 billion. [About](#)

**Field Activities**

- Defense Contract Audit Agency (DCAA)
- Defense Finance and Accounting Service (DFAS)

**Quick Links**

- Budget Materials
- DoD Financial Accountability Message from U.S. Defense Secretary (SECDEF) Chuck Hagel
- DoD Financial Management Regulation (FMFR) 14.4 (FMFR)
- DoD Agency Financial Report/Performance and Accountability Report
- DoD Agency Wide and Component Financial Statements
- DoD Managers' Internal Control Program
- DoD Reimbursable Rates
- DoD Summary of Performance and Financial Information/Citizen's Report
- Remarks
- External Links
- Financial Improvement and Audit Readiness (FIAR)
- Financial Management Certification Program
- FM Online (CAC Restricted)
- Foreign Currency Fluctuation Report
- Government-Wide Improper Payment Reporting

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(formerly Research and Development Descriptive Summaries (RDDS))

## DoD Investment Budget Search (R-2s and P-40s) (formerly Research and Development Descriptive Summaries (RDDS))

- This database furnishes the Department of Defense (DOD) investment budgetary/narrative information from the President's Budget (PB) Submissions or Justification Books.
- Investment budgets include both Research, Development, Test and Evaluation (RDTE&E) and Procurement.
- RDTE&E programs are described on R-2s and identified by Program Elements (PE Numbers).
- Procurement programs are described on P-40s and are identified by Line Item Numbers.

### Simple Search

Simple Search feature enables you to search **RDTE&E** and **Procurement** collections by all of the following data elements as well as document content: **Budget, Program Element Title, Line Item Title, Program Element Number, Line Item Number, Appropriation Number, Budget Activity, Budget Sub Activity, Fiscal Year, and Agency.**

### Advanced Search

Advanced Search feature enables you to search **RDTE&E** and **Procurement** collections by any of the following data elements: **Budget, Program Element Title, Line Item Title, Program Element Number, Line Item Number, Appropriation Number, Budget Activity, Budget Sub Activity, Fiscal Year, and Agency**

### Browse Content

Browse feature enables you to browse **RDTE&E** and **Procurement** collections by all of the following data elements: **Fiscal Year, Agency, Appropriation Number, and Program Element Number.**

### Advanced Search

**Note:** Since FY2011 for RDTE, and since FY2014 for Procurement, PDF documents are created from an XML file. These XML files are included as an attachment to most R-2/P-40 documents. To download the XML file, open the PDF file, find the attached file with the extension ".zzz" (paper clip icon), save this file to your local drive, change the extension from ".zzz" to ".zip", and open using WinZip.

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# DoD Budget Investment Search: Project Narrative Record

- [\[PDF\] Endurance Unmanned Aerial Vehicles](#)  
 ... platform tipping and cueing of fused SIGINT, wide area and high-definition (HD) EO/IR motion imagery on a persistent lighter-than-air (LTA) airship. ...  
**Service/Agency:** Air Force  
**Budget Activity:** 7 - Operational Systems Development  
**Program Element Number/Line Item:** 0305205F  
[www.dtic.mil/descriptivesum/Y2012/AirForce/0305205F\\_7\\_PB\\_2012.pdf](http://www.dtic.mil/descriptivesum/Y2012/AirForce/0305205F_7_PB_2012.pdf) - 96k - [Text Version](#)

- Submitted with President's budget
- Air Force record
- Public release
- 12 pages
- Projects 4 years out
- Useful to business community and planners
- PDF or text

UNCLASSIFIED

DATE: February 2011

Exhibit R.2. RDT&E Budget Item Justification: FB 2012 Air Force

APPROPRIATION/BUDGET ACTIVITY		R-1 ITEM NOMENCLATURE											
3600: Research, Development, Test & Evaluation, Air Force		PE 0305205F: Endurance Unmanned Aerial Vehicles											
BA 7: Operational Systems Development													
COST (\$ in Millions)	FY 2010	FY 2011	FY 2012 Base	FY 2012 OCO	FY 2012 Total	FY 2013	FY 2014	FY 2015	FY 2016	Cost To Complete	Total Cost		
Total Program Element	48,533	-	52,425	73,000	125,425	20,907	7,963	-	-	Continuing	Continuing		
675372: Integrated Sensor IS Structure	48,533	-	52,425	-	52,425	20,907	7,963	-	-	Continuing	Continuing		
676019: Blue Devil	-	-	-	73,000	73,000	-	-	-	-	Continuing	Continuing		

**A. Mission Description and Budget Item Justification**  
 This PE will focus USAF efforts on long endurance Remotely-Piloted Aircraft (RPAs), which allows days, months, or years of endurance as well as their associated sensors and communications suites. Efforts can include airships and more standard aircraft structures.

The Integrated Sensor IS Structure (ISIS) Program is developing a radar of unprecedented proportions that is fully integrated into a station-keeping stratospheric airship. The ISIS will support the nation's need for persistent wide-area surveillance, tracking, and engagement of time-critical air and ground targets. Automated surveillance and tracking includes air targets to the radar horizon of 600 km and all ground targets to a range of 300 km. The radar aperture also provides track data and other communications directly to users in-theater. The system is expected to be launched from CONUS locations with a multi-year operational life. No support personnel or facilities are required in-theater. Efforts will include work on the ground station and the corresponding Processing, Exploitation, and Dissemination (PED) connectivity.

The Blue Devil II system is an Air Force led single ship technology and concept demonstration of multi-intelligence, cross-platform tipping and cueing of fused SIGINT, wide area and high-definition (HD) EO/IR motion imagery on a persistent lighter-than-air (LTA) airship. Blue Devil II will employ a payload integration infrastructure (PII) with a Command and Control (C2) and Processing, Exploitation, and Dissemination (PED) Ground Station. This effort directly supports multiple validated CENTCOM urgent needs, and contributes directly to force protection and counter Improvised Explosive Device missions for coalition Forces.

Funds in both projects also cover activities to include studies and analysis to support both current program planning and execution and future program planning. This program is in Budget Activity 7: Operational System Development because this budget activity includes development efforts to upgrade systems that have been fielded or have received approval for full rate production and anticipate production funding in the current or subsequent fiscal year.

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# R&D Research/Funding Levels

- Referred to in DoD as BA1, BA2, or 6.1, 6.2, etc.
- Funding is often tied to a set level or levels
- Most used:
  - Basic Research
  - Applied Research

DoD Financial Management Regulation Volume 2B, Chapter 5

0502 UNIFORM BUDGET AND FISCAL ACCOUNTING CLASSIFICATION

050201 RDT & E Budget Activities:

The RDT&E budget activities are broad categories reflecting different types of RDT&E efforts. The definitions are provided below.

**Budget Activity 1, Basic Research.** Basic research is systematic study directed toward greater knowledge or understanding of the fundamental aspects of physical, engineering, environmental, and life sciences related to long-term national security needs. It is far-sighted high payoff research that provides the lead to: (a) subsequent applied research and advanced technology developments in Defense-related technologies, and (b) new and improved military fire detection, tracking, surveillance, propulsion, mobility, guidance and control, navigation, energy conversion, materials and structures, and personnel support. *Milestone A efforts*

**Budget Activity 2, Applied Research.** Applied research is systematic study to understand the means to meet a recognized and specific national security requirement. It is a systematic application of knowledge to develop useful materials, devices, and systems or methods. It may include design, development, and improvement of prototypes and new processes to meet general mission area requirements. Applied research translates promising basic research into solutions for broadly defined military needs, short of system development. This type of effort may vary from systematic mission-directed research beyond that in Budget Activity 1 to sophisticated breadboard hardware, study, programming and planning efforts that establish the initial feasibility and practicality of proposed solutions to technological challenges. It includes studies, investigations, and non-system specific technology efforts. The dominant characteristic is that applied research is directed toward general military needs with a view toward developing and evaluating the feasibility and practicality of proposed solutions and determining their parameters. Applied Research precedes system specific research. Program control of the Applied Research program element is normally exercised by general level of effort. *Program elements in this category involve pre-Milestone B efforts, also known as Concept and Technology Development phase tasks, such as concept exploration efforts and paper studies of alternative concepts for meeting a mission need.*

**Budget Activity 3, Advanced Technology Development (ATD).** This budget activity includes development of subsystems and components and efforts to integrate subsystems and components into system prototypes for field experiments and/or tests in a simulated environment. ATD includes concept and technology demonstrations of components and subsystems or system models. *The models may be form, fit and function prototypes or scaled models that serve the same demonstration purpose.* The results of this type of effort are proof of technological feasibility and assessment of subsystem and component operability and producibility rather than the development of hardware for service use. Projects in this category have a direct relevance to identified military needs. *Advanced Technology Development demonstrates the general military utility or cost reduction potential of technology when applied to different types of military equipment or techniques. Program elements in this category involve pre-Milestone B efforts, such as system concept demonstration, joint and Service-specific experiments or Technology Demonstrations. Projects in this category do not necessarily lead to subsequent development or procurement phases.*

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# Procurement Search Results

**Q Advanced Search**


Note: Since FY2011 for RDTL, and since FY2014 for Procurement, PDF documents are created from an XML file. These XML files are included as an attachment to most R-3P-40 documents. To download the XML file, open the PDF file, find the attached file with the extension ".zzz" (paper clip icon), save this file to your local drive, change the extension from ".zzz" to ".zip", and open using WinZip.

Displaying results 1 - 10 of 79

Time: 0.13 seconds    Results: 79    Filter: Filter Search Result    Sort by: Select Sort Order

**Record Number:** 1  
**Line Item Title:** Special Equipment For User Testing  
**Agency:** Army  
**Budget Activity:** 3 - Other Support Equipment  
**Line Item Number:** MA6700  
**Appropriation Number:** 2035A  
**File Name:** P40\_MA6700\_BSA-90\_BA-3\_APP-2035A\_P18\_2014.pdf  
[View PDF version](#) | [View Text version](#) | [View XML version](#)  
**Snippet:**  
 ... Thesit Devices 2012 Georgia Tech Research Institut / Atlanta, GA C / CPFF  
 PEO STRL, Orlando, FL Jan 2012 Jan 2013 1 2,636,000 N ...

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## DoD and DTIC Web-based Services

### Database and Collaborative Tools

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*Preserving Knowledge • Connecting People • Inspiring Innovation*

# Journal Articles and Indexes



**AIR UNIVERSITY LIBRARY**  
**Index to Military Periodicals**


AULIMP Simple Search

Enter a keyword(s) or phrase:

[Search Tips](#)

The AULIMP Home Page is provided through the cooperative efforts of the [Air University Library](#) and the [Defense Technical Information Center](#).

- Military & aeronautical periodicals
- Citations 1988 -



The Joint Forces Staff College (JFSC) Library is a specialized military library, focusing on research in joint and multinational operations, military history and naval science, operational warfare, and operations other than war. Library staff members regularly scan the weekly news magazines, monthly and bimonthly journals such as Military Review, Armed Forces Journal, and quarterly publications, including NATO's Nations and Partners for Peace, RUSI Journal, and the Naval War College Review. Miscellaneous reports from RAND and the General Accounting Office are also indexed for SCAMPI. The resulting database serves as a guide to articles on military and naval art and science, operational warfare, joint planning, national and international politics, and other areas researched by JFSC faculty, staff, and students. The SCAMPI database covers the period from 1985 thru the present.

The [Defense Technical Information Center \(DTIC\)](#) hosts this web-based version of the SCAMPI. Several of the journals indexed in SCAMPI have independent Internet web sites. Please feel free to visit the individual journal home pages to see exactly what each publication makes available since many do provide full-text articles. A complete listing (Link coming soon...) of the journals indexed for SCAMPI is provided as a resource for SCAMPI searchers.

SCAMPI Simple Search

Enter a keyword(s) or phrase:


[Search Tips](#)


- Researched by Joint Forces Staff College
- 1985 to present

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# Public Access Journal Search

Resources [R&E Gateway](#)

 [DoD Public Access Search](#)



**DoD Public Access**

Search terms entered below will yield a subset list of journal articles from the DTIC Technical Reports database.

Enter a term to search the DTIC TR collection:

**DoD's Implementation of Public Access**

As DoD prepares to implement Public Access, the search above is provided to aid the public in the discovery of journal articles that are already part of the DTIC collection search. DoD's approach to Public Access will start with access to DoD-funded journal articles and associated datasets in intramural basic research (research that is performed by DoD personnel), then move on to implement public access for contractor and grantee-performed work. Metadata from datasets will be forwarded to data.gov.

In collaboration with the Department of Energy's Office of Scientific and Technical Information (OSTI), DoD has set up a prototype "DoD Public Access Search." This search includes an initial collection of published journal articles that refer to DoD funding. When DoD begins to receive manuscripts from authors of DoD-funded research, the manuscripts will be matched against the publishers' versions and combined citations will be shown.

**benefits to DoD**

- Increased access to government-wide scholarly publications and scientific data, cost savings to DoD libraries
- Increased visibility of DoD research priorities
- Provide the necessary information to validate the results of the research
- Expand innovation through a better understanding of our taxpayer funded research
- Bolster the credibility of DoD-funded scientific findings


We welcome your input on additional articles to be added to the DoD collection.

**Additional information:**

- "Increasing Access to the Results of Federally Funded Scientific Research," - 22 Feb 2015
- "Public Access to the Results of Department of Defense-Funded Research," - Feb 2015
- "Department of Defense Public Access Plan" - Feb 2015
- "Public Access Plans for US Federal Agencies"
- "Data.gov"

For more information contact DTIC Public Access

- DoD funded research
- Results documented in journal articles
- No charge to public
- Initial implementation posted to meet Office of Science and Technology Policy (OSTP) requirements
- Memorandum, February 22, 2013, "Increasing Access to the Results of Federally Funded Scientific Research"
- DoD draft plan: [http://www.dtic.mil/dtic/pdf/dod\\_public\\_access\\_plan\\_feb2015.pdf](http://www.dtic.mil/dtic/pdf/dod_public_access_plan_feb2015.pdf)



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# Conference Proceedings





## Conference Proceedings

2015   2014   2013   2012   2011   2010   2009   2008   2007

**2015**

- 2015 Armament Systems Forum, 20 - 22 April 2015, Baltimore, MD
- Ground Robotics Capabilities Conference & Exhibition, 7 - 8 April 2015, Arlington, VA
- 2015 Munitions Executive Summit, 6 - 8 April 2015, Parsippany, NJ
- 16th Annual Science and Engineering Technology Conference, 24 - 26 March 2015, Springfield, VA
- Medical Research, Development and Acquisition in Support of the Warfighter - USA/DRAC Military Medical Missions, Goals, and Objectives, 23 - 23 March 2015, Hyattsville, MD
- 21st Annual National Logistics Forum, 16 - 18 March 2015, Washington, DC
- 2015 Precision Strike Annual Review (PSAR 15), 16 - 18 March 2015, Springfield, VA
- 50th Annual National Test and Evaluation Conference, 3 March 2015, Springfield, VA
- 2015 Human Systems Conference, 10 - 11 February 2015, Alexandria, VA
- 2015 FFIAD Small Business Advisory Panel, 5 February 2015, Orlando, FL
- 56th Annual SOI-IC Symposium & Exhibition, 26 - 28 January 2015, Washington, DC

**2014**

- NDIA Global Supply Chain Summit, 6 December 2014, Rockville, MD
- 15th Annual Expeditionary Warfare Conference, 17 - 18 November 2014, Norfolk, VA
- 17th Annual System Engineering, 27 - 30 October 2014, Arlington, VA
- 2014 Precision Strike Technology Symposium (PSTS 14), 21-23 October, 2014, Arlington, VA
- Global Supply Chain Summit, 17 September 2014, Springfield, VA
- 11th National Small Business Conference, 9-10 September, 2014, Springfield, VA
- 2014 FFIAD Conference, 8 September 2014, Springfield, VA
- 2014 TRAD Conference, 8 September 2014, Springfield, VA
- Ground Robotics Capabilities Conference & Exhibition, Hyattsville, MD
- 21th Annual Expo Conference, 29 - 31 July 2014, Newark, NJ
- NDIA Annual Missile Defense Small Business Program, 23 - 24 July 2014, Huntsville, AL
- 20th Annual National Test & Evaluation Conference, 21 - 23 July 14, Washington, DC
- NDIA Supply Chain Summit, 20 June 2014, Arlington, VA

- DTIC partnership with NDIA
- Conference provider for DoD
- 90 day period before full public release (unclassified unlimited events)

- Link to OSTI Portal
- Includes conferences with useful technologies for DoD

### SciTech Connect

Your connection to science, technology, and engineering research information from the U.S. Department of Energy



SciTech Connect consolidates the contents of OSTI's Information Bridge and Endeavour

Create a SciTech account and customize how your search results are displayed!

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# Specifications and Standards

http://quicksearch.dla.mil





Database last updated: Apr 17, 2014   [Home](#) | [About ASSIST](#) | [ASSIST Online](#) | [assistdocs.com](#) | [ASSIST Shopping Wizard](#) | [ASSIST Updates](#)

**ASSIST Quick Search** provides access to defense and federal specifications and standards indexed in the official DoD ASSIST document repository that have been approved for public release. Enter search criteria in one or more of the three search fields below. You may limit search results by selecting optional filters from the drop-down lists, or even by specifying a range of document dates. Click on the label next to each search field or filter for a description and sample search results.

Basic Search
Text Search

**Document Date:** 18-Apr-2013   **Between** 18-Apr-2014

[About ASSIST](#) | [ASSIST Online](#) | [assistdocs.com](#) | [ASSIST Shopping Wizard](#)



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If you have any questions, please contact the ASSIST-Help Desk team at 215-697-6396 [DSN: 442-6396].

[Privacy and Security Information](#) and [Section 508 Compliance Information](#). Questions or comments: [ASSIST Feedback](#).



WARNING: UNAUTHORIZED ACCESS TO THIS UNITED STATES GOVERNMENT COMPUTER SYSTEM AND SOFTWARE IS PROHIBITED BY PUBLIC LAW 99-474 (THE COMPUTER FRAUD AND ABUSE ACT OF 1986) AND CAN RESULT IN ADMINISTRATIVE, DISCIPLINARY OR CRIMINAL PROCEEDINGS.

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# WHS: Directives and Instructions

<http://www.dtic.mil/whs/directives/index.html>

**DoD Issuances**  
The Official Department of Defense Website for DoD Issuances

**ANNOUNCEMENTS**

Recent DoD issuance standards and templates updates include:

- The **DTM** template has been updated in accordance with latest address precedence guidance.
- Effective May 1, 2015: New standards and templates for DoD issuances will go into effect. Training to review the major changes, walk through the templates, and review Word features used in the template will be available in late April. See more information and register here for the new standards training course.
- Effective immediately, any administrative instruction signed by the Director, WHS, must cite both **DDO** 5110.04 and DoD 5039.01 as authoritative.

**WEBSITE UPDATES ON TWITTER**

Current website updates can be found on our public Twitter feed. Updates include new issuance releases and cancellations, updates to IIC, changes to issuance process documents and training class information. A Twitter account is not necessary to view this information.

**STANDARDS** | **TEMPLATES** | **FEDERAL REGISTER**

Current standards are available on the [DTM](#) page. New standards will be effective 5/1/2015. [Click Website Map](#).

**IMPORTANT LINKS** | **TOP 10 REQUESTED ISSUANCES** | **SEARCHING FOR DOD ISSUANCES**

- [SD Form 109](#)
- [Information on Training Classes](#)
- [Officers with Access to DoD Directives Portal](#)
- [Search for Issuances that are cancelled, expired or no longer available in the Cancellation Database](#)

Download the Adobe Acrobat Reader: [DOWNLOAD](#)

**THE ISSUANCE PROCESS:**  
Requirements, Templates, and Instructions to assist Components in developing and coordinating DoD issuances

**DOD ISSUANCES** | **ODCMO ISSUANCES** | **ADMIN. INSTRUCTIONS** | **SUPPORTING DOCS**

If you are an OSD Component (OTHER THAN DCMO) and you are:

- Issuing a new DoD Directive, Instruction, Directive-Type Memorandum or Manual
- Reissuing an existing issuance or
- Requesting a change or cancellation to an existing issuance

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# Joint Electronic Library

[http://www.dtic.mil/doctrine/s\\_index.html](http://www.dtic.mil/doctrine/s_index.html)

**Joint Electronic Library**

Home | Joint Publications | Joint Doctrine Notes | Doctrine | Education | Lessons Learned | Training | JCISFA | Insights and Best Practices | History Publications | Concepts | CJCS Directives Library | Joint Force Quarterly | NCO and PO: Backbone of the Armed Forces | FAQ | Mobile | Chairman's Interview | JEL+

**News**

**Joint Force Quarterly, Issue 73, April 2014 (New)**

JFQ is the Chairman's joint military and security studies journal designed to inform and educate national security professionals on joint and integrated operations; whole of government contributions to national security policy and strategy; homeland security; and developments in training and joint military education to better equip America's military and security apparatus to meet tomorrow's challenges while protecting freedom today.

**Insights and Best Practices, Geographic Combatant Commanders (GCC) Command and Control Organizational Options, March 2014 (New)**

This is the First Edition of the Insights and Best Practices Focus Paper on Geographic Combatant Commander (GCC) Command and Control Organizational Options, written by the Deployable Training Division (DTD) of the Joint Staff J7 and published by the Joint Staff J7 Joint Training Directorate.

Search Doctrine

**DOD Dictionary**

**JEL+**

**DOCNET**

**Universal Joint Task List (UJTL)**

**Capstone Concept for Joint Operations (CCJO)**

**Joint Pub Podcast**

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# Subject Categories (Fields and Groups)

### Subject Categories

DTIC\* has identified 25 broad subject fields and 251 groups to categorize the areas of scientific and technical fields and groups provide the structure for the subject grouping of technical reports in DTIC's collection and the areas of need-to-know in distributing these reports. Through this site, you will find the subject coverage category, as well as cross-references to related fields and groups.

**01. Aviation Technology**

- 02. Agriculture
- 03. Astronomy and Astrophysics
- 04. Atmospheric Sciences
- 05. Behavioral and Social Sciences
- 06. Biological and Medical Sciences
- 07. Chemistry
- 08. Earth Sciences and Oceanography
- 09. Electrotechnology and Fluidics
- 10. Power Production and Energy Conversion (Nonpropulsive)
- 11. Materials
- 12. Mathematical and Computer Sciences
- 13. Mechanical, Industrial, Civil and Marine Engineering
- 14. Test Equipment, Research Facilities and Reprography
- 15. Military Sciences
- 16. Guided Missile Technology
- 17. Navigation, Detection and Countermeasures
- 18. Nuclear Science and Technology
- 19. Ordnance
- 20. Physics
- 21. Propulsion, Engines and Fuels
- 22. Space Technology
- 23. Biotechnology
- 24. Environmental Pollution and Control
- 25. Communications

Subject Categorization Guide for Defense Sciences & Technology  
Alphabetical Index to the SCC, September 2009  
Numeric Index to the SCC, September 2009

13/10/01 systems

19/10 Ballistic missile submarines

19/10 Ballistic trajectories

19/01 Ballistics

19/01 Ballistite

06/05 Ballistocardiography

01/03/11 Balloon equipment

01/03/11 Balloons

01/03/11 Balloonsondes

19/10 Balloting (Interior ballistics)

**01 Aviation Technology**

- 01/01 Aerodynamics
- 01/02 Military Aircraft Operations
- 01/03 Aircraft
  - 01/03/01 Helicopters
  - 01/03/02 Bombers
  - 01/03/03 Attack and Fighter Aircraft
  - 01/03/04 Patrol and Reconnaissance Aircraft
  - 01/03/05 Transport Aircraft
  - 01/03/06 Training Aircraft
  - 01/03/07 V/STOL
  - 01/03/08 Gliders and Parachutes
  - 01/03/09 Civilian Aircraft
  - 01/03/10 Pilotless Aircraft
  - 01/03/11 Lighter-than-air Aircraft
  - 01/03/12 Research and Experimental Aircraft
- 01/04 Flight Control and Instrumentation
- 01/05 Terminal Flight Facilities
- 01/06 Commercial and General Aviation

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# Hierarchical Structure

**01 - Aviation Technology**

01	Aerodynamics	Flight characteristics and problems they are affected by the dynamics of theoretical and experimental aerodynamics. Missile Dynamics, Configurations and see 22/01, spacecraft trajectories and see 13/13, Structural Engineering and
02	Military Aircraft Operations	Military aircraft operations such as night flight, taxiing, approach, and accident studies; Aircraft simulator; Guided Missile Technology. For space navigation and air traffic control, see
03	Aircraft	Design, production, and maintenance. Structural studies of complete aircraft. Airworthiness; Crashworthiness; Air effects of gunfire and blast on aircraft. Civilian Aircraft. For specific types of 16, Guided Missile Technology and
03/01	Helicopters	Includes attack helicopters. For civil
03/02	Bombers	
03/03	Attack and Fighter Aircraft	
03/04	Patrol and Reconnaissance Aircraft	includes observation aircraft.
03/05	Transport Aircraft	includes tanker aircraft.
03/06	Training Aircraft	
03/07	V/STOL	
03/08	Gliders and Parachutes	includes paragliders and kites, for b
03/09	Civilian Aircraft	Does not include aircraft modified f
03/10	Pilotless Aircraft R.P.V.; Drones.	includes full size aircraft when conf
03/11	Lighter-than-air Aircraft	Airships, blimps, dirigibles, balloons, for both civilian and military applications.

**Accession Number :** ADA587008

**Title :** Design of a Lighter Than Air Vehicle That Achieves Positive Buoyancy in Air Using a Vacuum

**Descriptive Note :** Master's thesis

**Corporate Author :** AIR FORCE INSTITUTE OF TECHNOLOGY WRIGHT-PATTERSON AFB OH GRADUATE SC

**Personal Author(s) :** Metlen, Trent T

**Full Text :** <http://www.dtic.mil/get-tr-doc/pdf?AD=ADA587008>

**Report Date :** Jun 2012

**Pagination or Media Count :** 188

**Abstract :** Three designs for a Lighter Than Air (LTA) structure that achieve positive buoyancy using a vacuum in p ratio of structure weight to the weight of displaced air was termed Weight/Buoyant Force (W/B) where a W/B1 corr geometrically stiffening a sphere were investigated and their W/B evaluated. A thin shelled sphere of beryllium stiff High Modulus (UHM) carbon epoxy was predicted to give a W/B= 0.79. A geodesic sphere composed of a frame of a thin external membrane was evaluated using Finite Element Analysis. A W/B=0.57 was calculated for the frame. Zylon was used to reinforce a Mylar membrane, which resulted in a predicted structure W/B=0.94. These structure optimization routine in Matlab. A unique LTA vehicle concept composed of twin counter-rotating cylinders that mad maintain structural integrity with a vacuum was also investigated and found to be infeasible.

**Descriptors :** \*AIRCRAFT, BUCKLING, GEODESICS, OPTIMIZATION, SPHERES, STRUCTURES, THESES, VA

**Subject Categories :** Lighter-than-air Aircraft

**Distribution Statement :** APPROVED FOR PUBLIC RELEASE

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# Customer Support & Training

The screenshot shows the DTIC website with a navigation bar containing: About, Services, Registration, Submit Documents, Contact Us, and FAQ. A dropdown menu from 'Contact Us' is open, showing options: Ask A Librarian, Directions, and Directory (highlighted with a red box). Another dropdown menu from 'Services' is open, showing options: Programs, Research, Resources, and Training (highlighted with a red box). The main content area features a 'DTIC Directory' section with a 'Customer Support:' link (highlighted with a red box) and contact information for the Reference Desk. Below it is a 'DTIC\* Training Schedules' section. A red box with white text is overlaid on the page, stating: **Training is FREE for access controlled users**. At the bottom right, there is a footer: *Approved for Public Release U.S. Government Work (17USC§105) Not Copyrighted in the U.S.*

# Acronyms & User Council

## Acronyms

Use these specialized government and military-related acronym and abbreviation resources to identify terms, clarify jargon and otherwise become familiar with the language of science and technology. Resources are not intended to be comprehensive in scope.

- DoD Dictionary and the Joint Acronyms and Abbreviations
- DTIC Acronyms [PDF]
- Glossary of Defense Acquisition Acronyms & Terms
- Joint Staff Officers Guide G-1 Glossary of
- NIST Acronyms & Abbreviations
- Plan for Operationally Responsive Space,

**Links to several official and professional acronym lists**

## User Council

The User Council serves as a liaison between DTIC and its user community, operating independently to provide feedback and advice to DTIC on the community's concerns.  
 User Council Bylaws [PDF]

Individuals registered with DTIC are considered members of the DTIC User Group, except DTIC employees. They are represented by the User Council which was formed to:

- Reflect and articulate the interests of the membership.
- Encourage and facilitate any DTIC operations, plans or cooperative efforts that benefit the membership.
- Expedite the flow of information between the membership and DTIC.
- Make recommendations concerning DTIC products and services.

### Membership

- The council members, who serve for two years, represent the Army, Navy/Marine Corps, Air Force, other DoD and Federal agencies and DoD contractors.
- Council officers are the President, Vice President, and Secretary.
- Council members are elected during the DTIC Conference by vote of the general membership.
- The Council holds at least one meeting per year, which is held during the DTIC Conference. The Council interacts with DTIC managers to promote communication between DTIC and the Council and keep the Council abreast of major developments in DTIC. The Council typically presents issues or ideas which have been suggested by the user community.
- Discussion between DTIC and the Council follows, during which these issues are further defined and analyzed for practicality and potential for development.
- DTIC Council members also frequently serve as beta testers for new DTIC products.
- DTIC Council members are accessible either by telephone, email, fax or in person.

**DTIC's User Council:**

- **Advisory body**
- **Participates in product development and testing**

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# Distribution Statements & Reasons (posted on DTIC A-Z "D")



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[www.dtic.mil](http://www.dtic.mil)

**Distribution Statements & Their Corresponding Reasons for Use**

DoD Instruction 5230.24, Distribution Statements ([www.dtic.mil/whs/directives/corres/pdf/523024p.pdf](http://www.dtic.mil/whs/directives/corres/pdf/523024p.pdf))  
 DTIC's Web Page at: [http://www.dtic.mil/dtic/submit/distribution\\_statements.html](http://www.dtic.mil/dtic/submit/distribution_statements.html)

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DISTRIBUTION F. Further dissemination only as directed by (controlling office) (date of determination) or higher DoD authority.						
REASON	A	B	C	D	E	F
Public Release.	X					
Administrative or Operational Use. To protect technical or operational data or information from automatic dissemination under the international exchange program or by other means. This protection covers publications required solely for official use or strictly for administrative or operational purposes. This statement may be applied to manuals, pamphlets, technical orders, technical reports, and other publications containing valuable technical or operational data.	X	X	X	X	X	
Contractor Performance Evaluation. To protect information in management reviews, records of contractor performance				X	X	X


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# DoD Scientific & Technical Information

- Scientific and Technical Information Officer (STINFO) and Scientific and Technical Information Program (STIP)
- Delegated to DTIC for DoD
- STINFO Documentation – includes guidance from DoD, Components, standards, etc.  
<http://www.dtic.mil/dtic/customer/training/stinfo/stinfodocs.html>
- Especially of interest in the current environment of open access—DTIC produces guidance and provides training

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# STINFO Documents DTIC Training

**STINFO Documents**  
 ABCDEFGHIJKLMNOPQRSTUVWXYZ

Notwithstanding the "F" distribution indicated on these documents, all AFI instructions are approved for public release.

**A**

AFI 61-201, The Local Scientific and Technical Information Process [PDF]  
 The instruction establishes the procedures, processes, and management guidelines for local STINFO Officers. Duties are listed including Office of Primary Responsibility (OPR) ones. Attachments 1 and 2 are compliance checklists. This instruction is under revision.

AFI 61-202, United States Air Force Technical Publications Program [PDF]  
 The instr technical

**DoD STINFO Program Manager**

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The DoD STINFO Manager Training Program increases attendees' knowledge of the DoD STINFO program, provides instruction to the management and conduct of an organizational STINFO program, and facilitates more direct information exchange among those who oversee scientific and technical information programs (STIP). The Basic STINFO Manager Training Program course is three days, but selected modules can be taught in one- or two-day sessions.

**STINFO Manager Overview**

A one-day overview of the most significant material covered in the three-day class, this is intended as a refresher for experienced STINFO personnel or as an introduction for those new to the field.

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- Resource of collected guidance
- Training descriptions (can be done remotely)



## DoD Information Analysis Centers (IACs)

Research data and analysis by subject matter experts available to DTIC users

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# IAC: DoD Think Tanks



4 Hours of Research Free

**Information Analysis Centers (IACs)**  
 Research and analysis organizations established by the DoD to support researchers, scientists, engineers, and program managers with expertise in all areas of Defense research and engineering.

With their broad footprint across DoD, IACs allow the Department to reduce duplication, building on previous research, development, and operational experience.

For the most up-to-date information:  
<http://www.dtic.mil/dtic/iac/>

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# Cyber Security & Information Systems Information Analysis Center (CSIAC)

**Technical Focus Areas:**

1. Software Data & Analysis
2. Information Assurance (IA)
3. Modeling & Simulation (M&S)
4. Knowledge Management & Information Sharing



Cyber Security & Information Systems  
 Information Analysis Center

<https://www.thecsiac.com>

(800) 214-7921

[info@thecsiac.com](mailto:info@thecsiac.com)



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# Defense Systems Information Analysis Center (DSIAC)

**Technical Focus Areas:**

1. Weapons Systems
2. Autonomous Systems
3. Survivability & Vulnerability
4. Reliability, Maintainability, Quality, Supportability, & Interoperability (RMQSI)
5. Advanced Materials
6. Military Sensing
7. Energetics
8. Directed Energy
9. Non-lethal Weapons

- COMMUNITIES**
- > Advanced Materials
  - > Autonomous Systems
  - > Directed Energy
  - > Energetics
  - > Military Sensing
  - > Non-lethal Weapons
  - > RMQSI
  - > Survivability & Vulnerability
  - > Weapon Systems

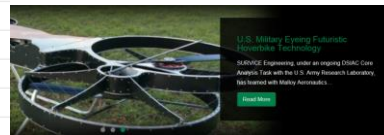


Defense Systems Information Analysis Center

<https://dsiac.org>

(443) 360-4600

[requests@dsiac.org](mailto:requests@dsiac.org)



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# Homeland Defense & Security Information Analysis Center (HDIAC)

**Technical Focus Areas:**

1. Homeland Defense & Security
2. Critical Infrastructure Protection (CIP)
3. Weapons of Mass Destruction (WMD)
4. CBRN Defense
5. Biometrics
6. Medical
7. Cultural Studies
8. Alternative Energy



Homeland Defense & Security Information Analysis Center

<https://www.hdiac.org>

(865) 535-0088

[info@hdiac.org](mailto:info@hdiac.org)

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# Searching DTIC's Collections

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Preserving Knowledge • Connecting People • Inspiring Innovation

## TR Quick Search

DTIC logo and navigation menu (About, Services, Registration, Submit Documents, Contact Us, FAQ) are visible at the top. A dropdown menu is open, listing various collections, with "Technical Reports" highlighted in red. The search box is labeled "Keywords" and includes an "Advanced Search" link. Below the search box, there is a message: "Search more than 1 million final reports on Defense funded research, development, test and evaluation activities, using the search box above." A "previous" and "next" button are located below the dropdown menu. A "OPERATING STATUS" indicator with a green checkmark is visible at the bottom right of the page.

- To find technical reports, pull down menu to left of the search box and select "Technical Reports"
- Type search term in the Keyword box
- Avoid the other search boxes/collections
- TIP: DTIC assigns accession numbers beginning with AD
- If you have a number beginning with AD, try DTIC's TR search

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## DTIC Public: Current Collections

### Search DTIC publicly available reports and other collections

- AULIMP – Subject index to significant articles, news items, and editorials from military and aeronautical periodicals , 1988 -
- Congressional Budget Data –Detailed search and analysis capabilities across military departments/agencies for Research, Development, Test and Evaluation (RDT&E) data. DTIC's PDF and Excel spreadsheet versions of these reports are available shortly after posting on Congress.gov (Library of Congress website; formerly Thomas)

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## DTIC Public: Current Collections

### Search DTIC publicly available reports and other collections (cont.)

- DoD Investment Budget (R-2s & P40s) - Department of Defense (DOD) investment budgetary/narrative information from the President's Budget (PB) Submissions or Justification Books
- DoD Labs S&T Organizations
- DTIC Public site ([www.dtic.mil](http://www.dtic.mil))
- NDIA – Presentations from NDIA-sponsored conferences

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# DTIC Public: Current Collections

## Search DTIC publicly available reports and other collections (cont.)

- SCAMPI – Indexes articles on military and naval science, operational warfare, joint planning, national and international politics and other areas researched by Joint Forces Staff College, 1985 –
- WHS (Washington Headquarters Service) – DoD issuances (current and cancelled), Joint Staff and other U.S. Military (i.e., Army, Navy, Air Force) service publications, Administrative instructions, Directive-Type Memorandums and DoD Forms.

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**Search**

DEFENSE TECHNICAL INFORMATION CENTER

Resources R&E Gateway **Find It**

DTIC A to Z  
DTIC ToGo  
DTIC Training  
How to Submit  
**How to Search**  
Quick Navigation Guide  
Where did my DTIC information go?

Keywords  **Find**  
Advanced Search

Search more than 1 million final reports on Defense funded research, development, test and evaluation activities, using the search box above.

OPERATING STATUS

DTIC has proudly served the United States Department of Defense as the primary source for DoD and government-funded research, development, test and evaluation. DTIC enables the defense research and development community to access and disseminate the almost 4,000,000 technical records of the Department of Defense. Approximately half of the records are available for the public use of Defense and federal government employees and their families.

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## Research FAQs

What results can I expect searching "All Collections?"  
 How do I broaden or narrow my search results?  
 Does this search engine have a spell checker?  
 Is the search engine case sensitive?  
 Can I use common words in my search?  
 Can I use the "and" operator to help refine my search?  
 Can I use the "or" operator to refine my search?  
 Will I be able to see an excerpt from my search results before downloading?  
 Is stemming enabled in the search engine?  
 Will I be able to refine my search?  
 How can I exclude words from my search?  
 How can I search for phrases?  
 How can I search on particular fields?  
 How can I use the corporate source search?  
 How can I use the thesaurus search tool?  
 Is an advanced search option available?  
 Is there a cost associated with accessing technical reports?  
 What types of information are available through this search engine?  
 What documents are NOT available on this website?  
 Can I purchase print documents from DTIC?  
 I am a DoD or government employee or contractor. Are there any special options for me?  
 Does it cost any money to download reports?  
 How do I download documents?  
 What if I have trouble downloading?  
 How do I download classified documents?  
 Can I download a document in text format instead of a PDF?  
 How do I cite sources I find through DTIC?  
 Are there any copyright restrictions on these full-text reports?  
 Who do I contact for DTIC Research Assistance?  
 Who do I contact for Information Analysis Centers (IACs)?  
**(Top of Page)**

- Use Find It > How to Search
- or
- Use FAQs > Research

### What results can I expect searching "All Collections?"

A results page appears with a list of documents and pages that are related to your search terms, with the most relevant search results appearing at the top of the page. By default, only pages that include all of your search terms are returned.  
**(Top of Page)**

### How do I broaden or narrow my search results?

To broaden or restrict the search, include fewer or more terms. You do not need to include "and" between the terms. For example, to search for engineering product specification documents, enter: engineering product specifications.  
**(Top of Page)**

### Does this search engine have a spell checker?

When spell check detects a possible error a single spelling suggestion is returned with the query results. The spell check feature is context sensitive.  
**(Top of Page)**

### Is the search engine case sensitive?

Search terms are not case sensitive. All letters, regardless of how you enter them, are handled as lower case. For example, searches for "Naval Postgraduate School," "naval postgraduate school," and "Naval postgraduate school" return the same results.  
**(Top of Page)**

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## Fielded searches - using the "inmeta" Search Operator

You can search only for documents that include specified search data or search tags, enter the following:

The inmeta: search operator  
 The name of the search tag

The search term  
 For example, to find documents with "virus" in the title, enter:

inmeta:ti~virus

[Top of Page](#)

### Search Tags


To search using search tags type: inmeta:[mnemonic tag name]~[search term]

Example: inmeta:AN~ADA532575

Search Tag	Mnemonic
Abstract	AB
Accession Number	AN
Author	AU
Citation Creation Date	CRD
Descriptors	DE
Report Date	RD
Title	TI

Available Fields

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## Advanced Search Resources: Corporate Source Search

**Corporate Source Search**

The Corporate Source Search allows you to search for a Corporate Source Code, by company or agency name, or for an individual Source Code, by entering the 6-digit Source Code is used when searching in these databases for information authored of these organizations. Each Corporate Author record displays the root (highest) element of the organization, the parent (next higher) element of the organization, any sub-organization names, and the organization's Source Code.


Enter part of a Company or Agency name:

Or enter a Source Code on which to search:

<http://www.dtic.mil/dtic/services/research.html#csas>

- **The Corporate Source Authority System (CSAS) lists all organizations contributing reports or records information to DTIC**
- **A 6-digit numeric Source Code is assigned to each**
- **Use the code to search for information authored or sponsored (funded) by the organization**
- **Each Corporate Author record shows:**
  - The **root** (highest element of the organization)
  - The **parent** (next higher) element
  - Any **sub-organizations** or **former names**
  - The organization's **Source Code**

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## Advanced Search Resources: Thesaurus Search

**Thesaurus Search**

The Thesaurus provides a broad multidisciplinary subject term vocabulary that aids in information search and retrieval. Subject terms, called Descriptors, are organized into hierarchies, where series of narrower terms are linked to broader terms.

Enter a descriptor:

- **Provides a broad multidisciplinary subject term vocabulary**
- **Reduces the need to search multiple synonyms**
- **Subject terms, called Descriptors, are organized into hierarchies**
- **Narrower terms are linked to broader terms**

<http://www.dtic.mil/dtic/services/research.html#thesaurus>

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# Advanced Search

Find results with **all of the words**  10 results

with the **exact phrase**

with **at least one of the words**

**without the words**

**File Format** Only  any format

**Occurrences** Return results where my terms occur anywhere in the page

**Domain** Only  e.g. dtic.mil, .mil

**Sort** Sort by relevance

**Page-Specific Search**

Links Find pages that link to the page

Can view results by date or relevance; change on hits page

- Built on Google Search Appliance (GSA) platform
- Multiple collections: Choose 1 or all

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Search Results 1 - 10 of about 1130 for nanotechnology. Search took 0.16 seconds

[Next >](#) [Sort by date](#) / [Sort by relevance](#)

- [Nanotechnology and the Environment: Report of a National Nanotechnology Initiative Workshop Held in Arlington, Virginia on 8-9 May 2003](#)  
... Title : Nanotechnology and the Environment: Report of a National Nanotechnology Initiative Workshop Held in Arlington, Virginia on 8-9 May ...  
www.dtic.mil/docs/citations/ADA572148 - 22k - 2007-01-01 - [Cached](#) - [PDF](#)
- [Nanotechnology in Space Exploration: Report of the National Nanotechnology Initiative Workshop Held in Palo Alto, California on 24-26 August 2004](#)  
... Title : Nanotechnology in Space Exploration: Report of the National Nanotechnology Initiative Workshop Held in Palo Alto, California on 24-26 ...  
www.dtic.mil/docs/citations/ADA572145 - 24k - 2006-01-01 - [Cached](#) - [PDF](#)
- [Nanotechnology: A Policy Primer](#)  
... Accession Number : ADA583703. Title : Nanotechnology: A Policy Primer. Descriptive Note : Congressional rept. Corporate ...  
www.dtic.mil/docs/citations/ADA583703 - 25k - 2013-06-24 - [Cached](#) - [PDF](#)
- [Nanobiotechnology: Report of the National Nanotechnology Initiative Workshop, October 9-11, 2003, Arlington, Virginia](#)  
... Title : Nanobiotechnology Report of the National Nanotechnology Initiative Workshop, October 9-11, 2003, Arlington, Virginia ...  
www.dtic.mil/docs/citations/ADA572152 - 24k - 2005-10-01 - [Cached](#) - [PDF](#)
- [Nanoelectronics, Nanophotonics, and Nanomagnetism: Report of the National Nanotechnology Initiative Workshop February 11-13, 2004](#)  
... Title : Nanoelectronics, Nanophotonics, and Nanomagnetism: Report of the National Nanotechnology Initiative Workshop February 11-13, 2004 ...  
www.dtic.mil/docs/citations/ADA580024 - 24k - 2004-02-01 - [Cached](#) - [PDF](#)
- [X-rays and Neutrons: Essential Tools for Nanoscience Research, Report of the National Nanotechnology Initiative Workshop, June 16-18, 2005, Washington, DC](#)  
... Report of the National Nanotechnology Initiative Workshop, June 16-18, 2005, Washington, DC. Descriptive Note : Conference paper. ...  
www.dtic.mil/docs/citations/ADA594185 - 23k - 2005-06-18 - [Cached](#) - [PDF](#)
- [The Future of the National Nanotechnology Initiative](#)  
... Accession Number : ADA572112. Title : The Future of the National Nanotechnology Initiative. ... Descriptors : \*NANOTECHNOLOGY. ...  
www.dtic.mil/docs/citations/ADA572112 - 21k - 2003-11-07 - [Cached](#) - [PDF](#)
- [Instrumentation and Metrology for Nanotechnology](#)  
... Title : Instrumentation and Metrology for Nanotechnology. ... Descriptors : \*NANOTECHNOLOGY. INSTRUMENTATION, METROLOGY. ...  
www.dtic.mil/docs/citations/ADA572139 - 22k - 2004-01-29 - [Cached](#) - [PDF](#)
- [A Nanotechnology Enhancement to Moore's Law](#)  
... Accession Number : ADA571321. Title : A Nanotechnology Enhancement to Moore's Law. Descriptive Note : Journal article. ...  
www.dtic.mil/docs/citations/ADA571321 - 25k - 2013-01-01 - [Cached](#) - [PDF](#)
- [Nanotechnology-Enabled Optical Molecular Imaging of Breast Cancer](#)  
... Accession Number : ADA586328. Title : Nanotechnology-Enabled Optical Molecular Imaging of Breast Cancer. Descriptive Note : Annual rept. ...  
www.dtic.mil/docs/citations/ADA586328 - 23k - 2012-07-01 - [Cached](#) - [PDF](#)

**Related search keywords**

[national nanotechnology initiative](#)

[report national nanotechnology initiative](#)

[nanotechnology research](#)

[using liposomal nanotechnology](#)

[application nanotechnology](#)

[targeted nanotechnology initiative](#)

[research nanotechnology targeted release](#)


[nanotechnology applications](#)

[bio nanotechnology](#)

Easy way to focus/narrow

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# Citations Add Value

Full Text Link

**Accession Number :** ADA586328  
**Title :** Nanotechnology-Enabled Optical Molecular Imaging of Breast Cancer  
**Descriptive Note :** Annual rept. 15 Jun 2011-14 Jun 2012  
**Corporate Author :** RICE UNIV HOUSTON TX  
**Personal Author(s) :** Drezek, Rebekah  
**Full Text :** <http://www.dtic.mil/get-tr-doc/pdf?AD=ADA586328>  
**Report Date :** Jul 2012  
**Pagination or Media Count :** 122

**Abstract :** This project focuses on development of nanotechnology-enabled optical molecular imaging technologies for applications in both breast cancer diagnosis and monitoring therapeutic response. The project consists of two major efforts: (1) optical instrumentation technology development and (2) development of complementary engineered nanomaterials for use in conjunction with the instrumentation created to provide molecular specificity. A particularly significant effort is underway to develop needle-compatible fiber optic probes to enable in vivo imaging of tumors with micron resolution in order to provide a new microscopic, high resolution imaging modality. These microscopic devices will complement the macroscopic, wide-field optical imaging devices being developed in this project.

**Descriptors :** \*BREAST CANCER, \*NANOTECHNOLOGY, \*OPTICAL IMAGES, DIAGNOSIS(MEDICINE), FIBER OPTICS, HIGH RESOLUTION IMAGERY, IN VIVO ANALYSIS, NEOPLASMS, PROLOG, THERAPEUTIC RESPONSE


**Subject Categories :** Medicine and Medical Research  
Optics

**Distribution Statement :** APPROVED FOR PUBLIC RELEASE

- DTIC Controlled Vocabulary

- DTIC Fields and Groups

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# Metadata Sources for Technical Reports

## Report Cover

AD \_\_\_\_\_

**Award Number:** W81XWH-07-1-0428

**TITLE:** Nanotechnology-Enabled Optical Molecular Imaging of Breast Cancer

**PRINCIPAL INVESTIGATOR:** Rebekah Drezek, Ph.D.

**CONTRACTING ORGANIZATION:** Rice University  
Houston, TX 77005

**REPORT DATE:** July 2012

**TYPE OF REPORT:** Annual

**PREPARED FOR:** U.S. Army Medical Research and Materiel Command  
Fort Detrick, Maryland 21702-5012

**DISTRIBUTION STATEMENT:** Approved for Public Release;  
Distribution Unlimited

The views, opinions and/or findings contained in this report are those of the author(s) and should not be construed as an official Department of the Army position, policy or decision unless so designated by other documentation.

## Standard Form 298 – Report Documentation Page

REPORT DOCUMENTATION PAGE		Form Approved OMB No. 0704-0188		
1. REPORT DATE July 2012		3. DATES COVERED 01 June 2011 - 14 June 2012		
4. TITLE AND SUBTITLE Nanotechnology-Enabled Optical Molecular Imaging of Breast Cancer		5a. CONTRACT NUMBER		
6. AUTHOR(s) Rebekah Drezek, Ph.D.		5b. GRANT NUMBER 01110111-1-0428		
7. PERFORMING ORGANIZATION NAME(S) AND ADDRESS(ES) Rice University Houston, TX 77005		5c. PROGRAM ELEMENT NUMBER		
8. SPONSORING / MONITORING AGENCY NAME(S) AND ADDRESS(ES) U.S. Army Medical Research and Materiel Command Fort Detrick, Maryland 21702-5012		5d. PROJECT NUMBER		
12. DISTRIBUTION / AVAILABILITY STATEMENT Approved for Public Release; Distribution Unlimited		5e. TASK NUMBER		
13. SUPPLEMENTARY NOTES		5f. WORK UNIT NUMBER		
14. ABSTRACT This project focuses on development of nanotechnology-enabled optical molecular imaging technologies for applications in both breast cancer diagnosis and monitoring therapeutic response. The project consists of two major efforts: (1) optical instrumentation technology development and (2) development of complementary engineered nanomaterials for use in conjunction with the instrumentation created to provide molecular specificity. A particularly significant effort is underway to develop needle-compatible fiber optic probes to enable in vivo imaging of tumors with micron resolution in order to provide a new microscopic, high resolution imaging modality. These microscopic devices will complement the macroscopic, wide-field optical imaging devices being developed in this project.				
15. SUBJECT TERMS nanotechnology, molecular imaging, optical imaging				
16. SECURITY CLASSIFICATION OF: a. REPORT: U b. ABSTRACT: U c. THIS PAGE: U		17. LIMITATION OF ABSTRACT UN	18. NUMBER OF PAGES 122	19. NAME OF RESPONSIBLE PERSON LJL/AMRC
20. TELEPHONE NUMBER (include area code)				

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## Value Added: DTIC Collections & Services

- Harvest from web
- Organize, add subject access, preserve, digitize, store, provide
- Collect for DoD
- Support researchers (federal government and their contractors with established need)
- Provide answers

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## Online Reports

- Find documents using:
  - **DTIC Public** – Citations for all reports; free full text (around a million documents) for many documents
  - **NTIS** ([www.ntis.gov/search](http://www.ntis.gov/search)) – DTIC provides citation data to NTIS; online catalog 1964+ (older use 800-553-6847 or (703) 605-6000 or [info@ntis.gov](mailto:info@ntis.gov)), M - F, 8:00 a.m. to 6 p.m. ET; can buy full text in different formats
  - **Science.gov** ([www.science.gov](http://www.science.gov)) – searches DTIC & other agency databases; results, including FT in DTIC Public; set up alerts

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# Find DTIC Information

- DTIC metadata is formatted to support OAI
- Facilitates search engines and others' discovery of DTIC TRs through crawlers/robots and harvesting
- OCLC has records, however, DTIC is NOT a lender
- Free downloads for items in full text
- Must be federal government or federal government contractor to request document scanning

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# Defense Innovation Marketplace

## Connecting Industry and DoD

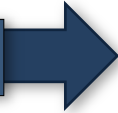
- Centralized resource to reinvigorate innovation
- Source for DoD science and technology (S&T) planning, acquisition resources, funding and financial information
- Supports Better Buying Power Initiatives

<http://www.defenseinnovationmarketplace.mil/>

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# Defense Innovation Marketplace

Resources for Industry  
DoD Info for Business & Program Planning



## Click on: Resources for Industry:

- DoD Information for Business and Program Planning
- Great for details about DoD and research related information

The screenshot shows the Defense Innovation Marketplace website with a navigation bar (HOME, BUSINESS OPPORTUNITIES, COMMUNITIES OF INTEREST, NEWS / EVENTS, FAQs) and several content sections:

- Business Opportunities:** The Defense Innovation Marketplace is your centralized source for Department of Defense (DoD) science and technology (ST) planning, acquisition resources, funding and financial information. Please contact us to let us know what other Department materials would be useful to post on the Marketplace so that industry can plan its R&D investments.
- Rapid Innovation Fund:**
  - Rapid Innovation Fund Information
- Small Business Resources:**
  - Small Business Links
  - U.S. Small Business Administration Clusters
- Acquisition Resources:**
  - Ballot Buying Power 3.0 White Paper
  - DDO News on Competition
  - Defense Acquisition University
  - How DoD Acquires Weapon Systems
  - Multi-Buying 2.0(2)
  - Performance of the Defense Acquisition System
  - Use of Fixed Price Incentive Firm Contracts
- Technology Interchange Meetings:**
  - Aerospace Enterprise: 18-22 Oct 2015
  - Air Force Space Enterprise: 14-19 Jan 2016
  - AFRL - AFIT Autonomy: Sept 2015 - Closed
  - Human Systems: June 2015 - Closed
  - Weapons Technology: April 2015 - Closed
  - CASR: 2014 - Closed
  - 2014 - Closed
  - Nuclear: 2014 - Closed
- ARMY:**
  - Army Potential Solutions to Integrate the Identification of Friend or Foe Applications (Class 10/13/2015)
  - Army A-HUBQE Characterization Assay services (Class 11/10/2015)
  - Army National Spectrum Consortium Task Request
- AIR FORCE:**
  - Air Force Expert Scientific & Analytical Support Class (Class 10/22/2015)
  - Air Force Nanoelectronics Materials Optimization (NEMO) (Class 11/20/2015)
  - Air Force Advanced Cyber, SIGINT and Personal Commo Collection and Exploitation
  - Air Force Capabilities for Cyber Mission Assurance
  - Air Force Research and Development for Electro-Optical and Radio Frequency Sensor (RADERS) (Class 10/22/2015)
  - Space Enterprise Interchange Meetings
  - Air Force Passive Radio Frequency System Identification (Sensory) (PROCS)
  - Air Force SHIELD-Turned Research in Aero-4REts (STRAFE)
  - Air Force Multi-Sensor Information Extraction & Network Analysis
  - Global Operational Tactical Information Technology
  - Air Force Deep Learning for Autonomous Intelligence (Discovery and Exploitation) (Class 2/20/2016)
  - Air Force Exploitation and Analysis for Space Domain Awareness
  - Air Force Mission Systems Open Architecture (Sense and Technology)
  - Air Force Capabilities for Cyber Resiliency
  - Air Force Capabilities for Cyber Mission Assurance
- NAVY:**
  - Navy Maritime Data Collection Program Software Products (Class 10/23/2015)
  - Navy System Engineering and Analysis Advanced Technology Support Report e-Publish Addresses (Class 10/23/2015)
  - Navy R&D: FY16 Living Marine Resources (LMR) (Class 10/23/2015)
  - Navy S&SR Engineering and Manufacturing Development (Class 10/13/2015)
  - Navy Automation for UAV-based Mine Countermeasures (Class 11/23/2015)
  - Navy The National Security Science and Engineering Faculty Fellowship (NSSEFF) Program (Class 11/23/2015)
- OTHER (DoD):**
  - Leveraging the Analog Domain for Security (LADS) Program (Class 11/23/2015)
  - DARPA High Power Amplifier using Vacuum Electronics (HAWEC) (Class 11/23/2015)
  - DARPA Virtual Acoustic Morphology System (VAMS) (Class 11/23/2015)
  - DARPA Wide-Scale Infrared Detectors (WIREC) (Class 11/23/2015)
  - MDA Integrated Research & Development for Enterprise Solutions
  - Exploitation Research - Nuclear and Radiological Terrorism Prevention (Class 10/23/2015)
  - MDA Phasitization: Medium-Range Ballistic Missile

<http://www.defenseinnovationmarketplace.mil/>

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# Federal Voting Assistance Program: <http://www.fvap.gov>

The screenshot shows the FVAP.gov website with a navigation bar (Home, Military Voter, Overseas Citizen Voter, Voting Assistance Officer, Election Official, General Information) and several content sections:

- Voters Start Here:** Military and Overseas Citizens start the voting process. Includes a "Select a State" dropdown menu.
- Help a Voter:** Voting Assistance Officers, Election Officials.
- FVAP's Online Assistant:** A flowchart showing the process: Review (PDF icon) → Print (Printer icon) → Sign (Pen icon) → Mail (Envelope icon). Below it, text says "Assistant is easy and helps guide you through completing the FPCA and FWAB. Learn More".
- Upcoming Election Dates:**
  - Feb 20: South Carolina - Presidential Primary - Rep
  - Feb 27: South Carolina - Presidential Primary - Dem (Tentative Date)
  - Mar 1: Georgia - Presidential Primary, Tennessee - Presidential Primary, Arkansas - State Primary
- Quick Links:**
  - Download your FPCA Today
  - Downloadable Election Materials
  - Locate Your Election Official
  - About the Absentee Voting Process
  - Voting Assistance Guide (VAG)
  - Locate a Voting Office Near You
  - Overseas Citizen Survey Info
- Latest FVAP News:**
  - July 29: New Qualitative Research Identifies Voting Barriers
  - July 24: FVAP Releases 2014 Post-Election Report
  - July 20: Alabama to Conduct Pilot Project for Overseas Voting
  - May 27: Review of Key Election Forms Completed for 2016 Election
  - May 07: ...

- Forms
- News
- Dates
- Personalized for the user
- Quick Links
  - Absentee voting request form
  - Voting Assistance Guide
  - Downloadable election materials
- Federal and state information

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# Defense Prisoner of War/ Missing Personnel Office

DEFENSE POW/MIA ACCOUNTING AGENCY  
FULFILLING OUR NATION'S PROMISE

HOME FAMILIES OUR MISSING NEWS & STORIES ABOUT RESOURCES CONTACT

OUR VISION: A world-class workforce fulfills our nation's obligation by maximizing the number of missing personnel accounted for while ensuring timely, accurate information is provided to their families.

OUR MISSION: Provide the fullest possible accounting for our missing personnel to their families and the nation.

U.S. Servicemembers and Civilians Missing from Past Conflicts: WWII, KOREAN WAR, VIETNAM WAR, COLD WAR

NEWS & STORIES

**Presidential Proclamation – National POW/MIA Recognition Day, 2015**

America has long stood tall as a beacon of freedom thanks to the women and men of our Armed Forces who safeguard our country and our ideals with courage, honor, and selflessness. While our heroes and their families continue to give of themselves for us all, we must recognize the unbreakable pain that remains with the loved ones of those who have not returned home. [Read More](#)

- More than 83,000 Americans are missing:
  - World War II
  - Korean War
  - Cold War
  - Vietnam War
  - 1991 Gulf War
- Hundreds of Defense Department men and women – both military and civilian – work in organizations around the world as part of DoD's personnel recovery activities and personnel accounting communities
- News, updates on found personnel and family related activities

<http://www.dpaa.mil>

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# Minerva: <http://minerva.dtic.mil>

THE MINERVA INITIATIVE

EXPLORE OVERVIEW TOPICS INITIATES RESEARCH ID QUESTIONS DEFENSE EDUCATION PROGRAM RESOURCES STAFF

- Department of Defense (DoD) – sponsored, university-based social science research initiative
- Launched by the Secretary of Defense in 2008
- Focuses on areas of strategic importance to U.S. national security policy

**Goal:** Improve DoD's basic understanding of the social, cultural, behavioral, and political forces that shape regions of the world of strategic importance to the U.S.

Learn about the 2015 Minerva Meeting and Program Review! [More details](#)

**2015 Minerva Awards**

The Minerva Steering Committee is pleased to announce it has selected eleven proposals for the cadre of 2015 awards. The selection process was extremely competitive, drawing from a total of 297 white papers and 46 full proposals. The total funds awarded for this set of projects is expected to be around four million dollars in the first year and \$14 million over three years.

[Learn more about new and ongoing awards.](#)

**Research, Data, & Tools**

- [Fall 2014 Minerva Research Summaries and Resources book](#)
- [List of ongoing university-led Minerva research](#), including brief descriptions for the 2015 Minerva awardees

**What is Minerva?**

Just as our military forces could not effectively operate without understanding the physical terrain and environment, detection of critical access and resource disruptions is limited by our understanding of the cultural and political

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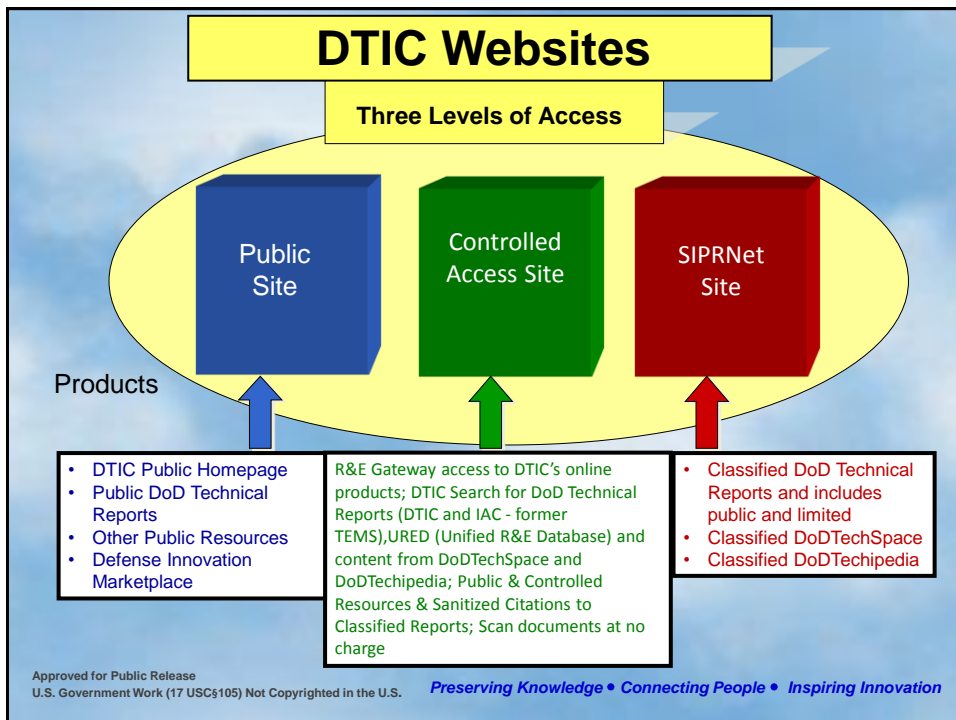


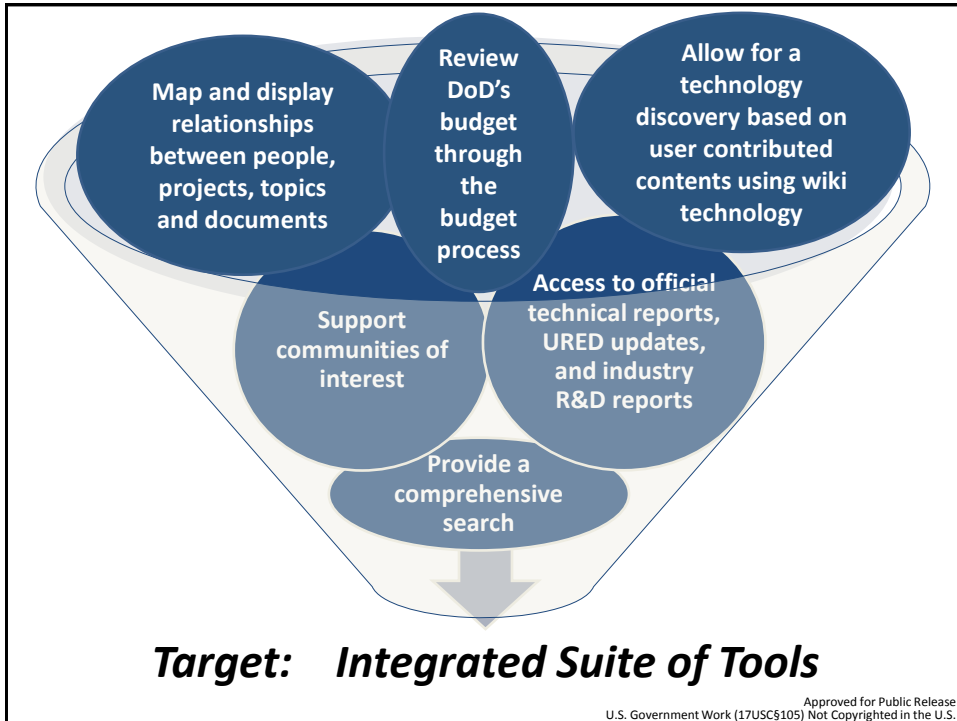

# Submitting: Examples of Accepted Document Types

- Acquisition Life Cycle Documents
- Annual Reports from the DoD Labs
- Command History
- Conference Proceedings & Papers
- Congressional Research Service (CRS) Reports
- Government Accounting Office (GAO) Reports & Testimonies
- Dissertations & Theses
- Federally Funded Research & Development Center (FFRDC) Reports
- Journal Articles & Reprints (DoD-supported)
- Lessons Learned (DoD-related)
- Patents & Patent Applications (DoD-related)
- Research, Development, Test and Evaluation (RDT&E) Reports
- Security Classification Guides
- Studies & Analyses (DoD-related)
- Technical Publications (Papers; Interim & Final Reports; Reviews and Surveys)
- Training Courses (DoD-related)

Selection Content Criteria <http://www.dtic.mil/dtic/submit/pdfad/index.html>  
<http://www.dtic.mil/dtic/submit/whattosubmit/criteria/index.html>


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## Why Login to DTIC Access Controlled Website?

- **Access more information and services than available on public site**
- Upgrade to classified access
- Search ALL DTIC Collections
  - Public/Access Controlled/ Classified
- Download free full-text documents
  - Public/Access Controlled/ Classified
- Request digitized format when not available
- Collaborate with other users and contributors
- Receive search assistance from DTIC staff



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# Eligibility: DoD or Federal Employee DoD or Federal Contractor

**Login Now**

**Improved and Faster** access to DTIC's unclassified, access controlled information on R&E Gateway, DTIC Search, DoDTechipedia, and DoDTechSpace

**DoD Personnel** – Seamless!

- Use your Common Access Card (CAC) for automatic access to unclassified, unlimited sites
- Move seamlessly to other access controlled DTIC sites

**Federal Employees** – Now faster and easier!

- Enter your information online, which will be securely verified against the Office of Personnel Management (OPM) employment database.
- SF-50 (Notification of Personnel Action) no longer required for proof of federal employment when verified
- Personal Identity Verification (PIV) access coming soon - check back!



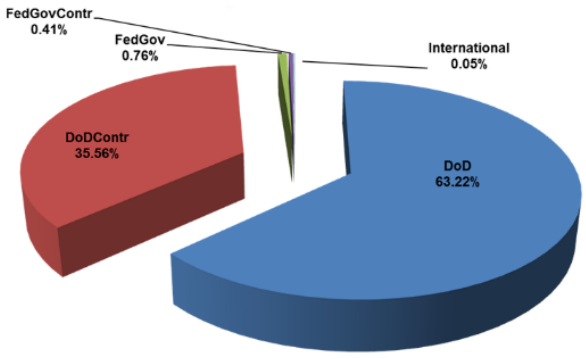
**Contractors**

- Use CAC or External Certification Authority (ECA) and follow directions for contractor access

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# DTIC's Active Users



**Total Active Users = 32,886**

■ DoD ■ DoDContr ■ FedGov ■ FedGovContr ■ International

*As of September 2015*

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## Training Webinars

**Boot Camp  
hands-on training  
sessions and Webinars  
on DTIC resources for  
registered users;  
customized sessions  
upon request**



**Put DTIC in Your Toolkit!**  
A half-day workshop conducted by the Defense Technical Information Center

**R&E Gateway**  
POWERED by DTIC

- Avoid redundant research
- Save valuable time and resources
- Obtain the most timely and relevant information
- Collaborate and share knowledge with colleagues

**DoDTechSPACE:** A virtual environment to create, organize, and share information; find, connect and interact with colleagues.

**DTIC SEARCH:** Enables quick discovery of DoD research projects and documents, as well as people, places and content from the DoD TechSpace community.

**DoDTechPEDIA:** Offers a secure online encyclopedia to create, store and share science and technology information.

For more information email: [training@dtic.mil](mailto:training@dtic.mil)

Preserving Knowledge • Connecting People • Inspiring Innovation

[www.dtic.mil/dtic/services/training\\_and\\_schedules.html](http://www.dtic.mil/dtic/services/training_and_schedules.html)

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## Points of Contact

**Ms. Phyllis A. Bell**  
Deputy Director, User  
Services

703.767.8244  
DSN: 427.8244

[Phyllis.A.Bell.civ@mail.mil](mailto:Phyllis.A.Bell.civ@mail.mil)

**Wendy Hill**  
703-767-8225  
DSN: 427-8225


[Wendy.S.Hill.civ@dtic.mil](mailto:Wendy.S.Hill.civ@dtic.mil)

- **Reference:**  
[ref@dtic.mil](mailto:ref@dtic.mil)
- **Registration:**  
[reghelp@dtic.mil](mailto:reghelp@dtic.mil)
- **Training:**  
[training@dtic.mil](mailto:training@dtic.mil)
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**BACK UP SLIDES**



**DoD Policy  
Pertaining to DTIC**

Updates of existing issuances and changes ahead for  
public access to the results of research funded by the  
federal government

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## DTIC Policy: DODD 5105.73

- **DoD Directive 5105.73 “Defense Technical Information Center (DTIC),” May 2, 2013**
  - Establishes DTIC as a DoD Field Activity under USD(AT&L), operating under the authority, direction, and control ASD (R&E) executing the programs and functions of the DoD Scientific and Technical Information Program (STIP) as specified in DoDI 3200.12 and DoDI 3200.14
  - Status: Original Directive (August 19, 2005); reissued as a Directive
  - <http://www.dtic.mil/dtic/pdf/aboutus/510573.pdf>

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## DTIC Policy: DODI 3200.12

- **DoD Instruction 3200.12 “DoD Scientific and Technical Information (STI) Program (STIP),” August 22, 2013**
  - Establishes the STIP as a coordinated program to identify, assemble, organize, preserve, and disseminate the results of DoD-funded R&E and studies consistent with the national science and technology policy and priorities described in section 6602 of Title 42, U.S.C.
  - Establishes policy and assigns responsibilities for the DoD Scientific and Technical Information Program, the DoD Industry Independent Research and Development Program and the DoD Domestic Technology Transfer Program
  - Update: Prior Directive reissued as an Instruction (DTIC)  
<http://www.dtic.mil/dtic/pdf/submit/320012p.pdf>

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## DTIC Policy: DoDI 3200.14

- **DoD Manual 3200.14 “Principles and Operational Parameters of the DoD Scientific and Technical Information Program,”** Vol 1 March 14, 2014 and Vol 2 January 5, 2015
  - Implements policy, assigns responsibilities, and prescribes procedures under to carry out the DoD Scientific and Technical Information Program (STIP) including the specific implementation of policy, responsibilities, principles, and operational parameters for each segment of that program
  - DTIC provides centralized operation of specific STIP functions, such as technical document access and dissemination and database and reference services; serves as a focus for actions required to provide and enhance DoD-wide STI services; and provides direct information system and database support to the OSD Principal Staff Assistants in coordinating the overall STIP
  - **Update: DoDI 3200.14 reissued as a Manual in two volumes: Volume 1 – DoD STIP and Volume 2 - Information Analysis Program (DTIC)**  
<http://www.dtic.mil/dtic/pdf/submit/320014p.pdf>

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## DTIC Policy: DODI 5230.24

- **DoD Instruction 5230.24 "Distribution Statements on Technical Documents,"** August 23, 2012
  - OPR: USD(AT&L) – DTIC
  - Establishes DoD policies and defines responsibilities for marking and managing technical documents, including research, development, engineering, test, sustainment and logistics information, to denote the extent to which they are available for secondary distribution, release, and dissemination without additional approvals or authorizations. Establishes a standard framework and markings for managing, sharing, safeguarding and disseminating technical documents in accordance with policy and law
  - Status: Prior Directive; reissued as an Instruction in 2012. (DTIC)  
<http://www.dtic.mil/whs/directives/corres/pdf/523024p.pdf>
  - Distribution Statements & Their Corresponding Reasons for Use  
<http://www.dtic.mil/dtic/submit/guidance/distribstatement.html>

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## DTIC Policy: DODD 5230.25

- **DoD Directive 5230.25 "Withholding of Unclassified Technical Data from Public Disclosure,"** November 6, 1984 (reissued with changes August 18, 1995)
  - OPR: USD(AT&L) – DTIC
  - Establishes policy, prescribes procedures, and assigns responsibilities for the dissemination and withholding of technical data pursuant to section 130 of title 10, United States Code. Applies to all unclassified technical data with military or space application in the possession or under the control of a DoD Component that may not be exported lawfully without an approval, authorization, or license in accordance with Executive Order 13222 or pursuant to “Arms Export Control Act of 1976.”
  - Status: Directive to be reissued as an Instruction. In process. (DTIC)  
<http://www.dtic.mil/whs/directives/corres/pdf/523025p.pdf>

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## OSTP\* Memorandum for Heads of Executive Departments and Agencies, February 22, 2013

- Directs each agency to develop a plan to support increased public access to the results of research funded by the Federal Government**
- Applies to each federal agency with over \$100M in annual conduct of Research & Development expenditures (intramural and extramural research)
- Results include:
  - Peer-reviewed publications
    - 12-month post-publication embargo (not available to the public for 12 months after the date of journal publication)
    - Final author manuscript or final published copy
  - Digital data
    - Requirements for data management plans
    - Centralized or federated repository model
- National Science Foundation (NSF) is organizing a coordinated approach for all agencies
- Deputy Assistant Secretary of Defense for Research developing plan for the DoD with:
  - Director for Basic Research
  - Defense Basic Research Advisory Group (DBRAG)
  - DTIC
- DoD Plan was submitted: “Department of Defense Public Access Plan”  
– Feb 2015  
[http://www.dtic.mil/dtic/pdf/dod\\_public\\_access\\_plan\\_feb2015.pdf](http://www.dtic.mil/dtic/pdf/dod_public_access_plan_feb2015.pdf)

\*Office of Science and Technology Policy,  
Executive Office of the President

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## DTIC on Facebook, DTIC Job Opportunities

November 13

**Defense Technical Information Center (DTIC)** shared a link.  
September 25

DTIC is pleased to announce its launch of the Research & Engineering (R&E) Gateway (<http://dtic.mil/dtic/stresources/index.html#R&E>), a secure, access controlled site designed by DoD for the defense scientific & technical enterprise.

 <b>R&amp;E Gateway</b> POWERED by DTIC	<b>S&amp;T Resources</b> stinet.dtic.mil Scientific and technical (S&T) reports conveying results of Defense-sponsored research, development, test and evaluation (RDT&E) efforts on a wide
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**Defense Technical Information Center (DTIC)** shared a link.  
September 13

Information Analysis Centers (IAC) are research and analysis organizations chartered by the DoD and operated by the Defense Technical Information Center (DTIC). Recently, the director of the IACs, Christopher Zember, was interviewed about ... See More

[On DoD: Information Analysis](#)

November 13

Highlighted in the 11 Nov 2013 Armed with Science Top Tech is DESCENT, a software technology developed by the U.S. Army Research Laboratory (ARL) to improve sustainability and help pilots live through crashes. To read more on ARL's research visit [DTIC.mil](http://DTIC.mil) to search the technical reports collection.



**Top Tech: DESCENT**  
[go.usa.gov](http://go.usa.gov)

Top Technology is an Armed with Science series that highlights the latest and greatest federal laboratory inventions, technology and achievements. Want to suggest an invention? Email us at [science@dma.mil](mailto:science@dma.mil)

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