Christopher E. Thomas
Administrator

Defense Technical Information Center

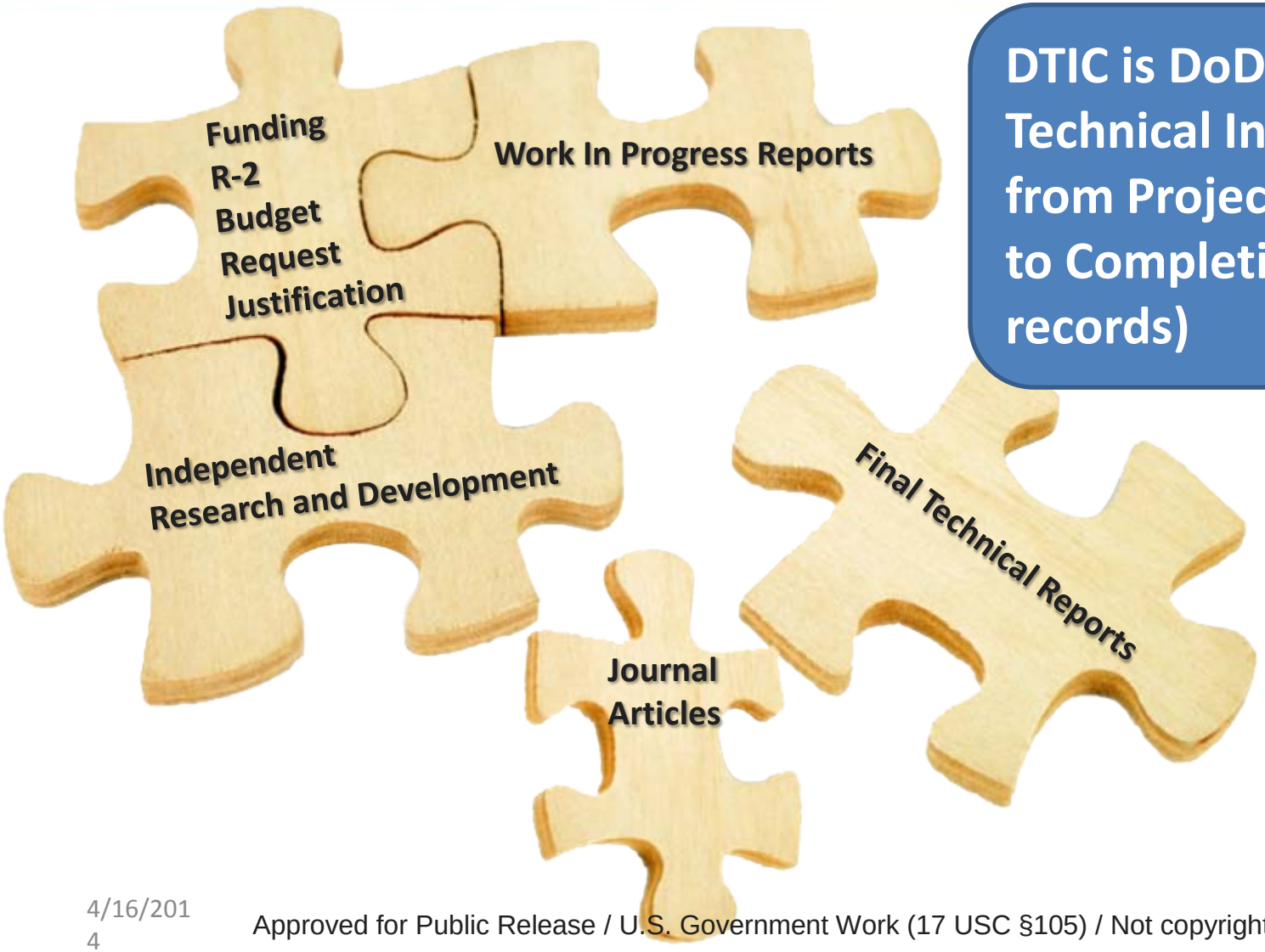
www.dtic.mil

April 10, 2014

Agenda

- **DTIC Update**
- Defense Innovation Marketplace
- Information Analysis Centers
- Public Access

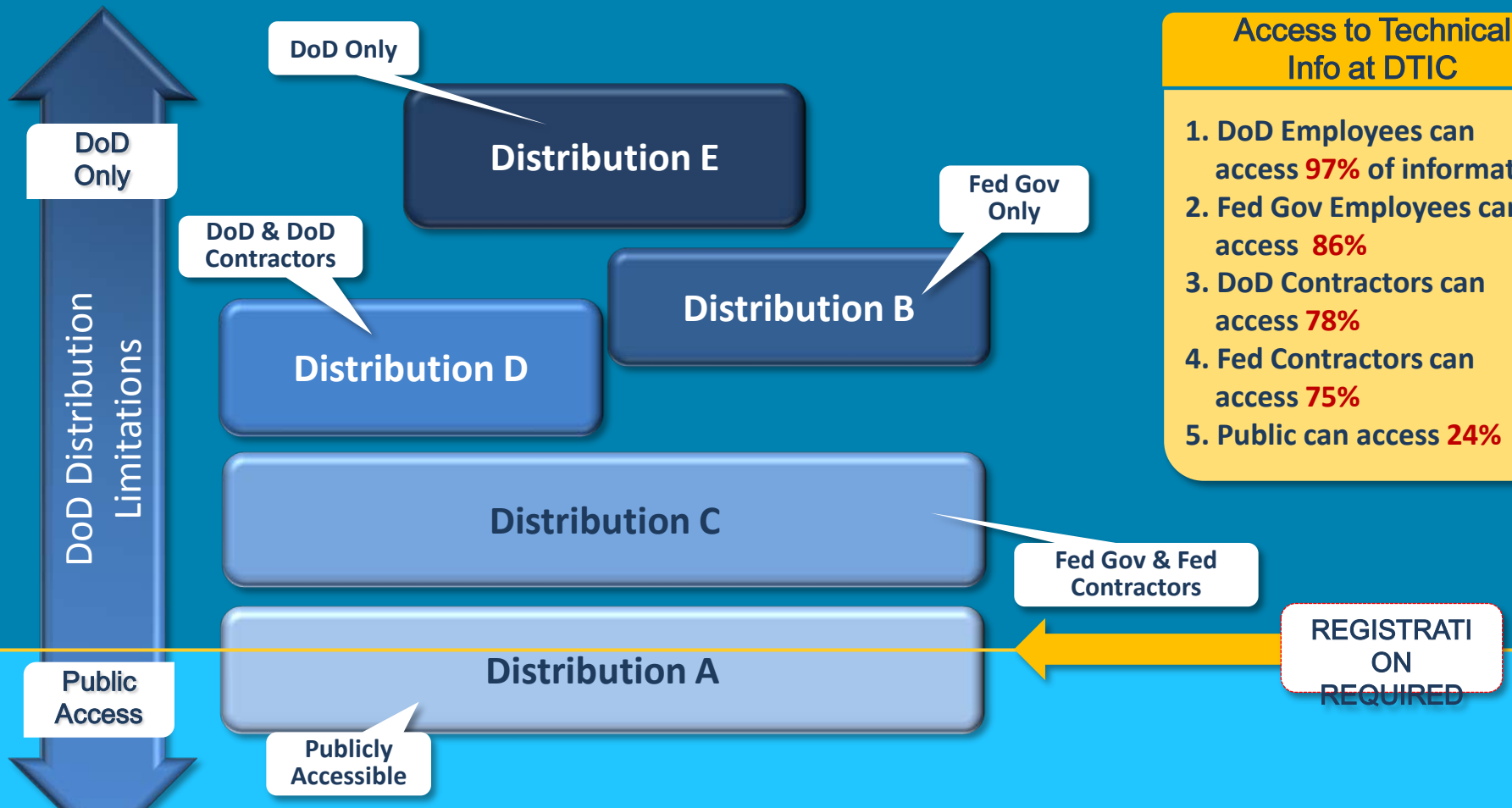
Preparing for the Future through S&T
Putting the Pieces Together



DTIC is DoD's Source for Technical Information from Project Budgeting to Completion (over 4M records)

Distribution Codes

Distribution Codes: Marked. Protected. Shared.



Access to Technical Info at DTIC

1. DoD Employees can access **97%** of information
2. Fed Gov Employees can access **86%**
3. DoD Contractors can access **78%**
4. Fed Contractors can access **75%**
5. Public can access **24%**

How Do You Get to DoD Technical Information?

DoD and DoD contractor with a CAC

- Visit https://www.dtic.mil for immediate access

Federal government without a CAC

- Quick verification through OPM

Industry without a CAC

- Complete registration and following CO/COR approval account access is granted

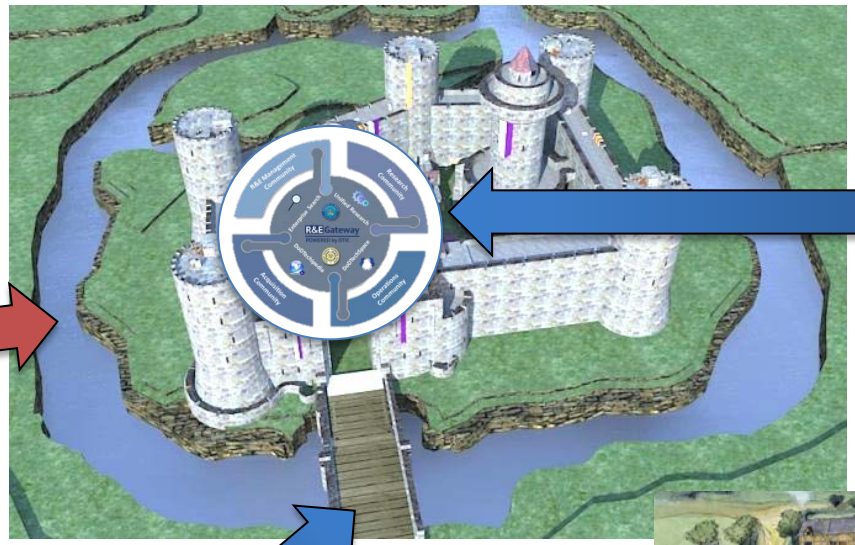
Future plans for federal government and industry

- Authenticate users with federal PIV or private industry electronic certification authorities (ECA) and then validate access
- **Get started at https://www.dtic.mil/**

Defense Technical Information Center

Provide, secure, and connect technical information for DoD, federal government and industry partners

Protect the intellectual property of the Department and our industry partners



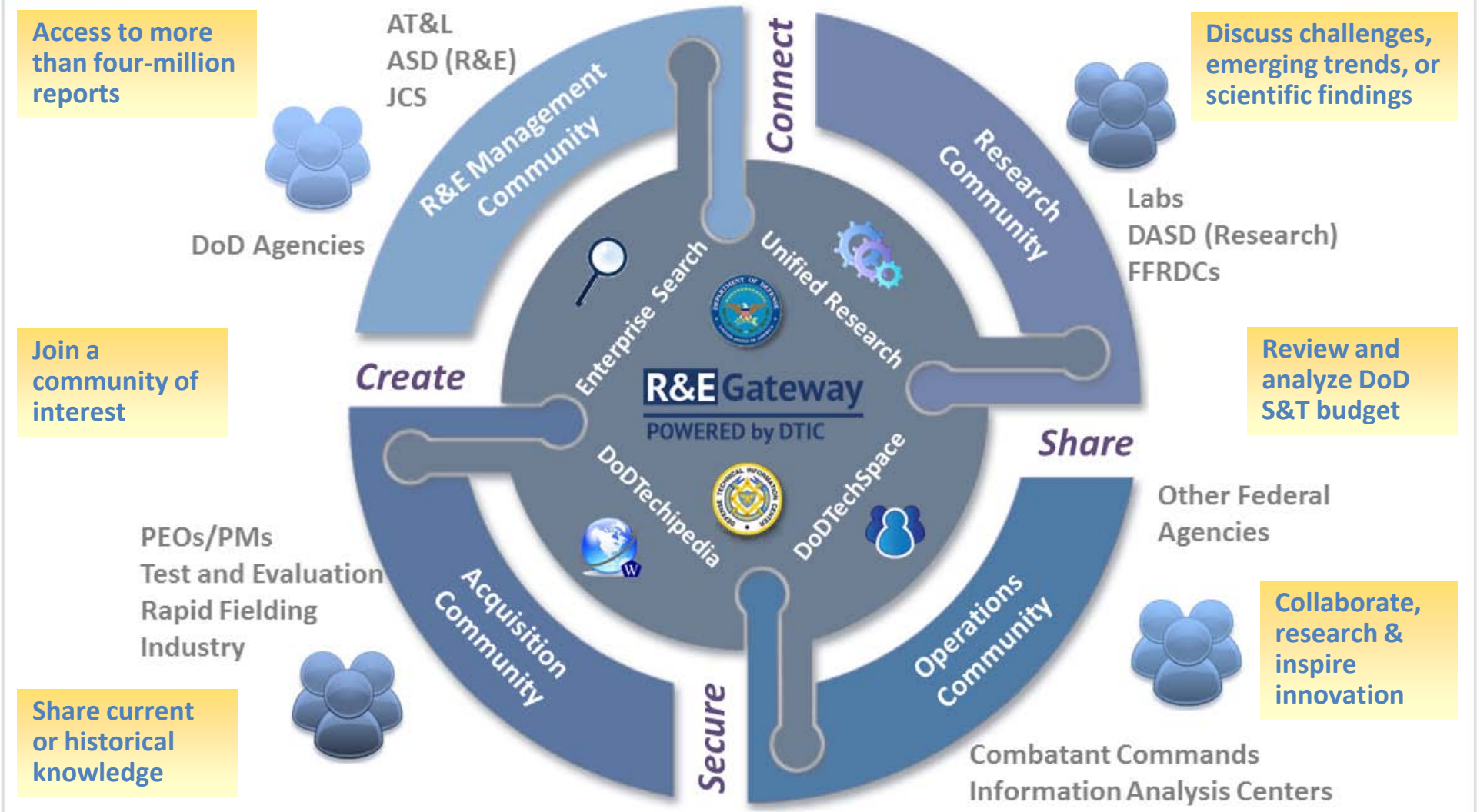
Foster re-use, decrease time to market, and collaborate within our trusted community

Ensure access to new providers and expand opportunities

Public/industry access to journal articles and digital data

R&E Gateway

A Connected DoD = Challenges Solved



R&E Gateway

A Connected DoD = Challenges Solved

R&E Gateway
POWERED by DTIC

Open to federal gov & contractors

- DTIC Update
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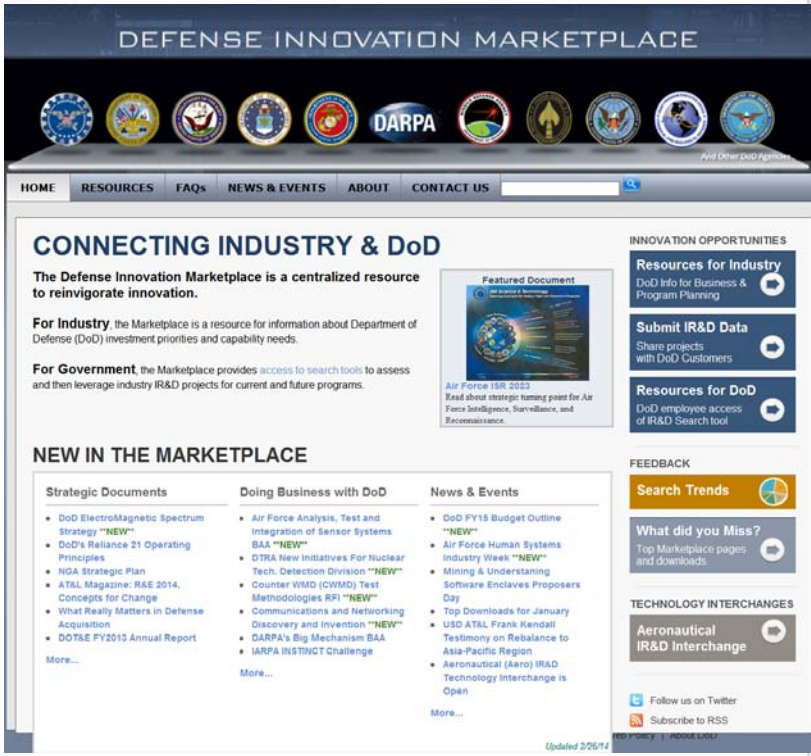
Defense Innovation Marketplace

http://www.defenseinnovationmarketplace.mil

Open to the Public

- www.defenseinnovationmarketplace.mil
  - Monitor DoD investment priorities and capability needs with access to strategic documents, news and events, such as:
    - Advanced Technology Investment Plan (ATIP) 2014
    - DoD's FY15 S&T Congressional Budget Testimony
    - Navy Optical Telescope BAA
    - Aerospace Enterprise Dialogue with Industry



Providing industry a single point to DoD acquisition material

Better Buying Power (BBP 2.0) Initiative: Defense Innovation Marketplace

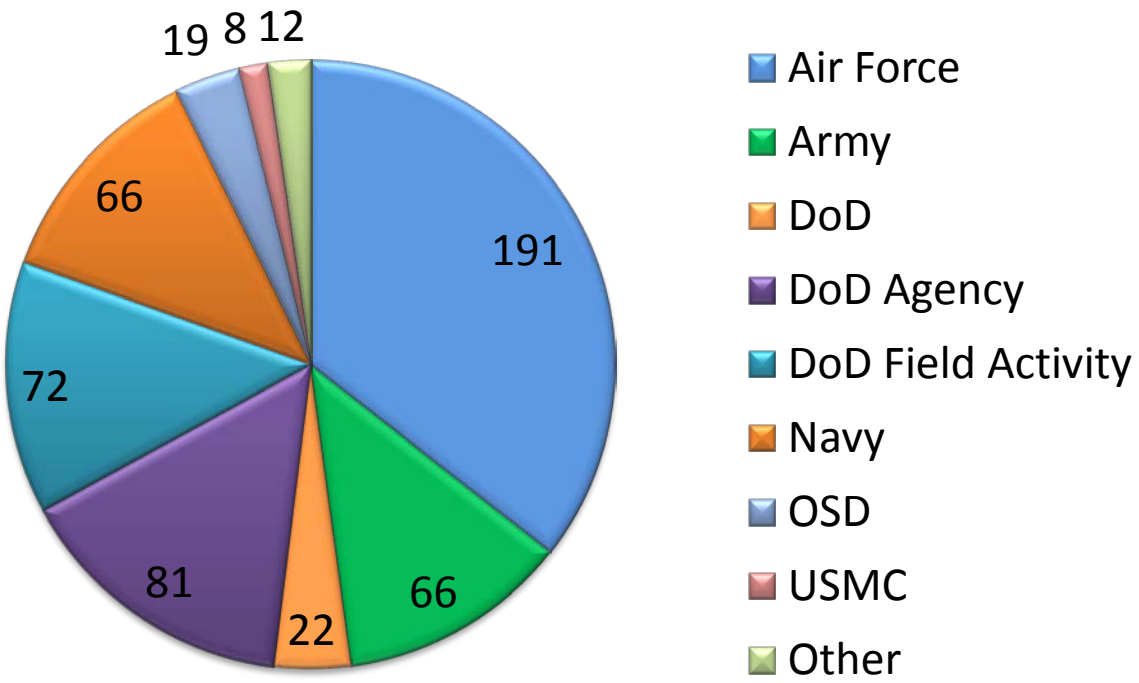
IR&D Submissions

- Search restricted to invited DoD senior acquisition executives and program managers
  - Secure portal to more than 10,000+ industry independent research and development (IR&D) project reports
  - Assess future capabilities & challenges
  - Review projects by technical readiness level, across defense technical areas, by number of companies working in area, and by funding

DoD Acquisition Executives

Industry Innovation

Restricted DoD Community of Users by Component

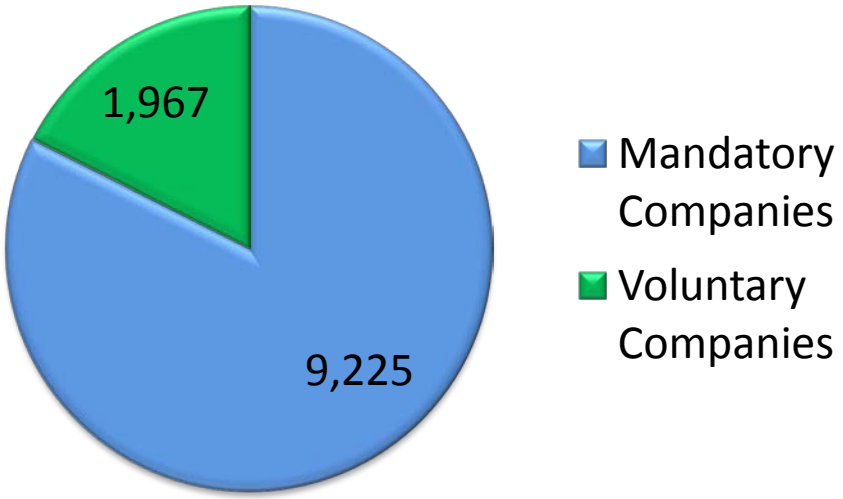


~500 DoD users

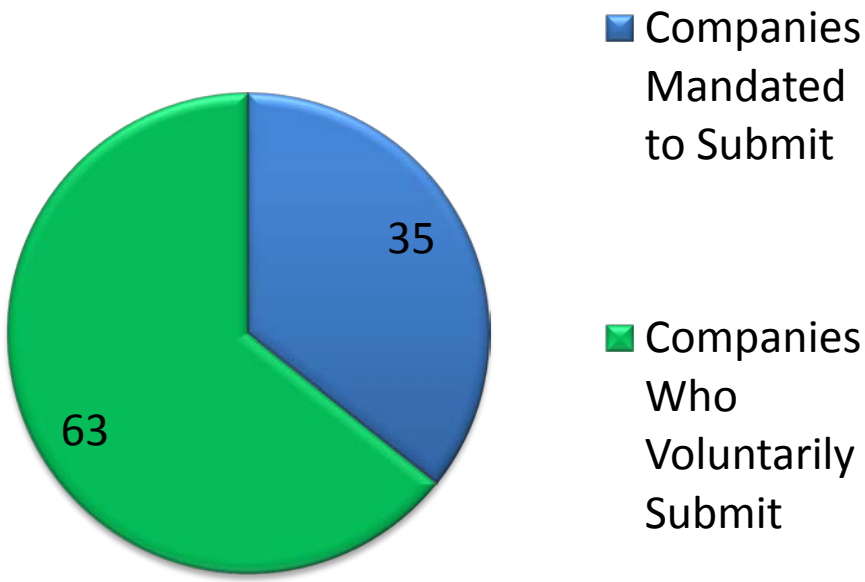
- Access by invitation only (PEO, PM's, RDT&E leaders)
- Can only access from DoD network
- CAC required to log in

IR&D Insight

IR&D Submissions by Records Submitted



Companies Who Submit by Mandatory vs. Voluntary



11,192 reports submitted by 98 companies

Includes complete FY12 data and partial reports for FY13 and FY14
FY13 reports must be submitted by June 30, 2014

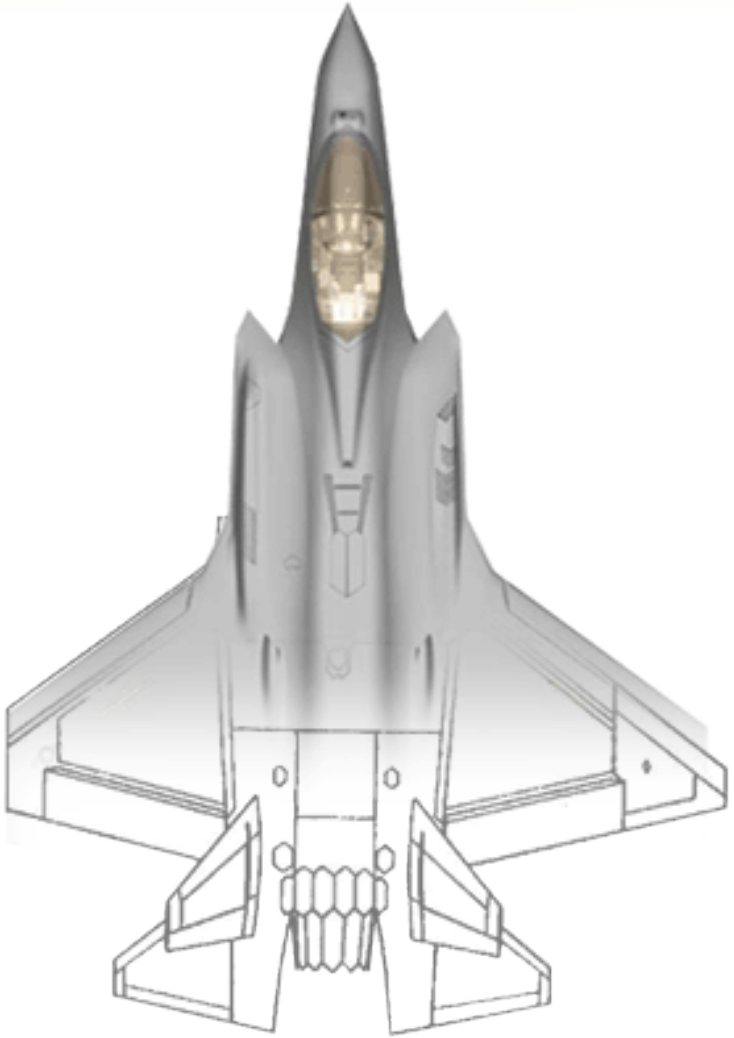
Top Searches by Defense Technology Area (DTA):

- Weapons
- Air Platforms
- Human Systems
- Ground & Sea
- Sensors
- Battlefield
- Nuclear
- Information Systems Technology

IR&D Insight

Top Searches by Keywords:

- Battlespace Environments
- Lasers
- AESA Radar
- Sensors
- Electronics and Electronic Warfare
- Fixed Wing Vehicles
- Information Systems Technology



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Information Analysis Centers (IACs)

- What are the IACs?
  - Government-owned, contractor-operated (GOCO) centers performing **research and analysis** to assist researchers, engineers, scientists and program managers in utilizing existing scientific and technical information (STI)
  - Over 550 active tasks, more than $1.5B in annual work performed by industry
  - 5,000+ scientists, engineers and researchers supporting the DoD
  - Multi-award contracts in three key segments available this FY

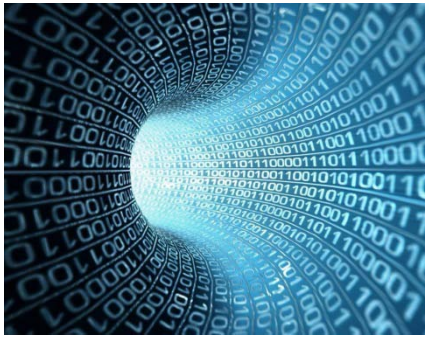
- Who can use the IACs?
  - IACs are available for use by all U.S. government agencies
  - Historically, DoD has been the biggest user (98%)

"IACs serve as a proven resource for maximizing the value of each dollar the department spends."

– Pentagon spokeswoman

IAC Technical Scope

Aligning with SECDEF's Top Priorities



CSIAC

Cyber Security & Information Systems Information Analysis Center

- Software Data & Analysis
- Information Assurance (IA)
- Modeling & Simulation (M&S)
- Knowledge Management & Information Sharing

DSIAC

Defense Systems Information Analysis Center

- Weapons Systems
- Survivability & Vulnerability
- RMQSI
- Advanced Materials
- Military Sensing
- Energetics
- Directed Energy
- Non-lethal Weapons

HDIAC

Homeland Defense & Security Information Analysis Center

- Homeland Defense & Security
- Critical Infrastructure Protection (CIP)
- Weapons of Mass Destruction (WMD)
- CBRN Defense
- Biometrics
- Medical
- Cultural Studies
- Alternative Energy

IAC Program Way-Ahead

Expanding Scope and Adapting Structure

New IAC Structure: (3) Basic Centers of Operation (BCOs) + (3) Multiple Award Contracts (MACs) with Technical Area Tasks (TATs)
Each BCO supports the community of practice and the execution of TATs

Contract re-structuring, completed or underway, ***available for business this FY***

New business opportunities for industry

BCO	TAT
Homeland Defense and Security BCO: October 2013	Homeland Defense Technical Area Tasks Ceiling Value:$900M Target Award April 2014
Defense Systems BCO: January 2014	Defense Systems Technical Area Tasks Ceiling Value: $3B Target Award June 2014
Cyber Security and Information Systems BCO: July 2012	SNIM* Technical Area Tasks Awarded May 2010

→ Cyber Security Technical Area Tasks Ceiling Value: $2B Target Award: Summer 2015

**SNIM=Software, Networks, Information Assurance, Modeling & Simulation*

Current Business Opportunities in Cyber Security

Cyber Security Technical Area Task (CS TAT) will be the follow-on to SNIM (Software, Networks, Information, Modeling & Simulation)

- Six year multiple award contract for research and analysis services related to cyber security and information services (2 base years + 2 two-year options)
- Capability for cost plus fixed fee (CPFF) and firm fixed price (FFP) orders
- $2 billion ceiling
- Small business accommodation
- Vendor teams will then compete to perform separate customer-funded Technical Area Tasks (TATs)
- Contract user base will consist predominantly of DoD (98%) requesting agencies
- **Industry Day: Spring 2014**
- **Draft RFP: Summer 2014**
- **Scheduled Award date: 30 Sept 2015**

Link: http://iac.dtic.mil/business_opportunities.html

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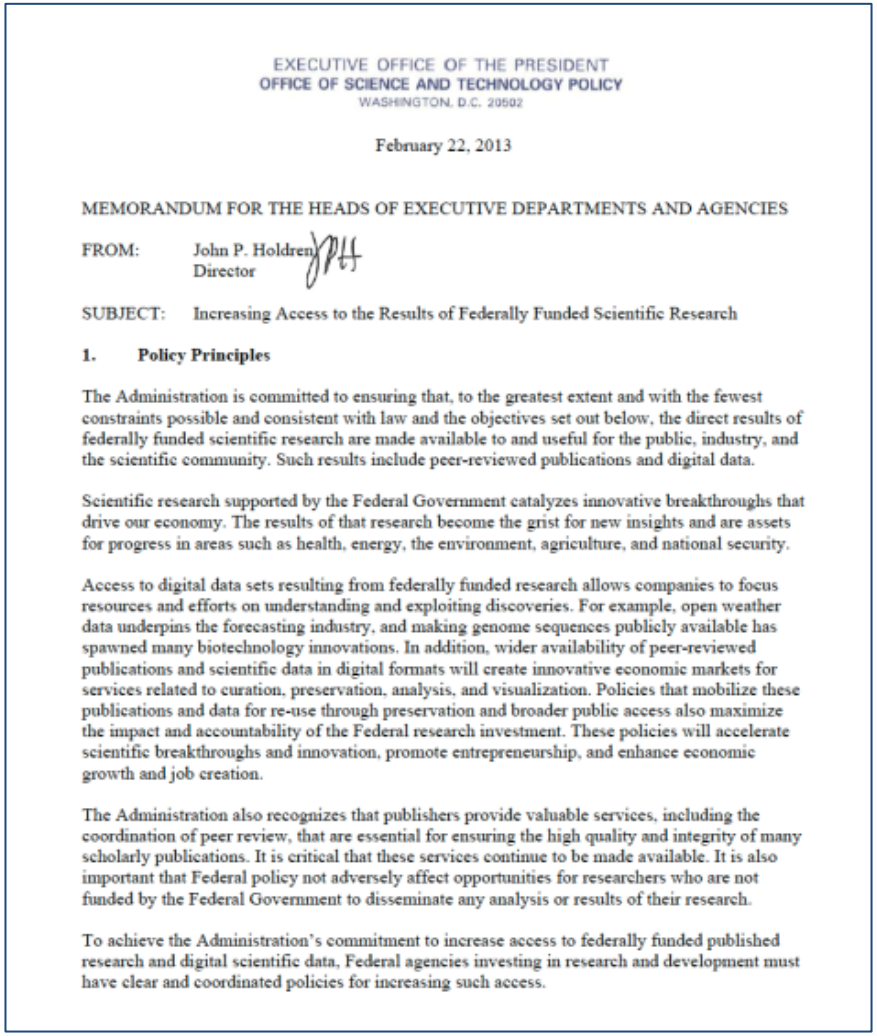
Public Access to Scholarly Publications and Digital Data

On Feb 22, 2013 OSTP issued a memorandum to federal agencies:

- With over a $100M annually in R&D expenditures
- Give public (entrepreneurs, institutions, private citizens) access to:
  - Peer reviewed scholarly publications
  - Digitally formatted scientific data
- Spur innovation
  - Unlock the value of taxpayer funded research and data



EXECUTIVE OFFICE OF THE PRESIDENT
OFFICE OF SCIENCE AND TECHNOLOGY POLICY
WASHINGTON, D.C. 20502

February 22, 2013

MEMORANDUM FOR THE HEADS OF EXECUTIVE DEPARTMENTS AND AGENCIES

FROM: John P. Holdren
Director

SUBJECT: Increasing Access to the Results of Federally Funded Scientific Research

1. Policy Principles

The Administration is committed to ensuring that, to the greatest extent and with the fewest constraints possible and consistent with law and the objectives set out below, the direct results of federally funded scientific research are made available to and useful for the public, industry, and the scientific community. Such results include peer-reviewed publications and digital data.

Scientific research supported by the Federal Government catalyzes innovative breakthroughs that drive our economy. The results of that research become the grist for new insights and are assets for progress in areas such as health, energy, the environment, agriculture, and national security.

Access to digital data sets resulting from federally funded research allows companies to focus resources and efforts on understanding and exploiting discoveries. For example, open weather data underpins the forecasting industry, and making genome sequences publicly available has spawned many biotechnology innovations. In addition, wider availability of peer-reviewed publications and scientific data in digital formats will create innovative economic markets for services related to curation, preservation, analysis, and visualization. Policies that mobilize these publications and data for re-use through preservation and broader public access also maximize the impact and accountability of the Federal research investment. These policies will accelerate scientific breakthroughs and innovation, promote entrepreneurship, and enhance economic growth and job creation.

The Administration also recognizes that publishers provide valuable services, including the coordination of peer review, that are essential for ensuring the high quality and integrity of many scholarly publications. It is critical that these services continue to be made available. It is also important that Federal policy not adversely affect opportunities for researchers who are not funded by the Federal Government to disseminate any analysis or results of their research.

To achieve the Administration's commitment to increase access to federally funded published research and digital scientific data, Federal agencies investing in research and development must have clear and coordinated policies for increasing such access.

Public Access to Scholarly Publications and Digital Data

Provide the Public with Access to DoD-funded Research

- **Peer-Reviewed Scholarly Publications**
  - Available to the public following predefined embargo period
- **Digitally Formatted Scientific Datasets**
  - Public access to unclassified publicly releasable primary data, samples, and other supporting materials created or gathered in the course of work

New Submission Requirements

- **Policy Changes**
  - DoD Instruction, Contracts (DFARS) and Grants (DoDGARS)
- **Submit to DTIC**
  - Data management plans, journal publication information (journal name, publication date, title, etc), author's final accepted manuscript

Public Access Approach

Steps to DoD Implementation

- **Today –** Submit final DoD plan to Office of Science and Technology Policy (OSTP), draft DoD policy, coordinate with other federal agencies, prepare DoD systems to collect data

- **FY15 –** Gain approval of final policy and revised regulations, begin accepting data

- **FY16 –** Provide public access to digital data sets and thousands of peer reviewed journal articles funded by taxpayers

Questions?