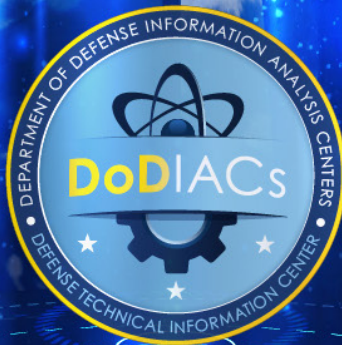


State *of the* INFORMATION ANALYSIS CENTERS



Fiscal Year 2020

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Letter from the Director

Despite the unusual challenges presented by the coronavirus this year, I am proud to report in our fourth annual edition of the State of the Information Analysis Centers that in Fiscal Year (FY) 2020, the Department of Defense Information Analysis Centers (DoD IACs) facilitated an unprecedented amount of research and development (R&D) work with a record number of DoD organizations. In FY21 we will continue to provide critical, cutting-edge research and analysis products and services to acquisition program managers, DoD laboratories, Program Executive Offices, Combatant Commands, and other federal agencies.

The DoD IACs are staffed with scientists and engineers who synthesize scientific and technical information to create actionable knowledge for technically trained managers, scientists, and engineers in DoD. The program offers expertise in the DoD's modernization priorities, in addition to technical areas of significant DoD interest, through quick, flexible, and low-cost research services.

The DoD IACs' relevance to the department's overall research posture is more apparent every year. In FY20, the DoD IACs added \$2.11B of customer funding on 295 R&D efforts and awarded 89 new contracts worth a potential value of \$4.53B, an increase of nearly 100% since the year before. The DoD IACs provided R&D services to 807 customers, including 81 new customers, and added over 16,803 scientific and technical documents to DoD's research repository.

Our main focus is to advance the state of research, but the DoD IACs also help reduce research duplication, which saves millions of dollars by matching new customer requirements to ongoing research efforts. This program has become increasingly integral to the DoD research community because we provide unparalleled value, utilize best practice acquisition methods, maintain low costs, emphasize speed to award, and cover the full range of DoD research interests. Partnering with the Air Force, we will strive to remain a key accelerator of scientific research to maintain the technological edge of the Warfighter.



**THOMAS
GILLESPIE**
Director,
DoD IACs

DoD IACs by the Numbers

The DoD IACs have

64,861 users

of our products and services

5,285 technical inquiries

answered to support researchers, engineers, and scientists

Developed and distributed

2,719 technical products

with an average 4.5 out of 5 customer satisfaction rating

113 Training Events

developed and taught by technical SMEs

with **6,615** attendees

across 22 technical focus areas

DOD IACs R&D WORK BY SERVICE

\$666.72M

121 TOs

18 Orgs



\$429.59M

99 TOs

29 Orgs



\$527.83M

134 TOs

16 Orgs



\$155.66M

39 TOs

11 Orgs



\$243.95M

77 TOs

18 Orgs



\$49.76M

29 TOs

2 Orgs



\$29.26M

17 TOs

10 Orgs



Our average time to
award in FY20 was

4.5 months

from solicitation
to award

Awarded FY20

89 Task Orders

with **295** currently Active

Awarded a total of

\$4.53B in
Contract Ceiling

and since 2015

\$12.32B

Added a total of

\$2.11B in
customer funding

and since 2015

\$9.94B

The DoD IACs are supporting
research efforts in

500 locations

39 states and

10 countries

around the world

The DoD IACs are excited to add

81 new

DoD Customers

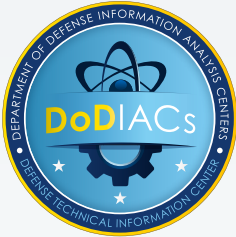
to the program

with **807** total
organizations

supported by the program

About Us

OUR MISSION



The DoD IACs have a unique mission to provide highly specialized, value added evaluation and analysis of available information and then synthesize and package the information into required formats for immediate use in research.

The DoD IACs also work aggressively to identify and fill information and capability gaps by acquiring information in specific technical focus areas (TFAs), conducting research, and delivering capability using one of our existing contracting vehicles.

OUR BEGINNINGS

The need for the IACs became clear after World War II, with a tremendous increase in R&D activities in all areas of science and technology (S&T). This information explosion resulted in information overload and a proliferation of information sources. Unfortunately, many of these sources were redundant and/or of questionable or uneven quality [1].

To solve these problems, scientific and technical libraries collected and organized the latest published knowledge and brought it to the users' notice. These services were grouped into two levels. At the basic level, libraries collected and disseminated information, answered reference queries, and provided current awareness to keep users informed of developments in a particular discipline. At the next level, special libraries and information centers offered complex literature searches in specific subject fields [1].



The Defense Technical Information Center (DTIC) is the only such information center serving the defense S&T community that:

- Preserves and disseminates current and historical research
- Delivers applications and services to make finding the right information easier
- Maximizes the value of each dollar that DoD spends through the analysis of funding, work-in-progress, and independent research and development data

However, even with the establishment of these specialized libraries and information centers, several challenges remained [1]:

- Leadership still had no way to satisfy its critical need for state-of-the-art knowledge at any given time in a given focus area
- Scientists and engineers still had to sift through a mass of material to select the essential information to address their emerging requirements
- The lack of evaluation and analysis of the wide variety and the sheer number of research, data, and information sources made it impossible for researchers to quickly find the most important, relevant, and timely information they needed



TO ANSWER THESE CHALLENGES, INFORMATION ANALYSIS CENTERS **WERE CREATED TO PROVIDE RESEARCH AND ANALYSIS SERVICES IN HIGHLY SPECIALIZED FOCUS AREAS.** SEVERAL IACs ARE IN EXISTENCE SUPPORTING INDIVIDUAL ORGANIZATIONS, **BUT ONLY THE DOD IACs ARE DEDICATED TO SERVING THE ENTIRE DOD COMMUNITY.**

Sources: [1] M. C. Rothschild "Information Analysis Centers in the Department of Defense," DoD IAC Program Office, Alexandria, VA, ADA309771, 1987

OUR PRESENT

The DoD IACs are staffed with scientists, engineers, and information specialists who provide research and analysis to customers with diverse, complex, and challenging requirements. The DoD IACs:

- Provide state-of-the-art information to leadership across 22 TFAs, enabling S&T advisors, leaders, Program Executive Officers, and managers to have the latest knowledge at their fingertips
- Collect research, data, and other information from several sources, both primary and secondary, and then evaluate, analyze, and synthesize this mass of material into a format that highlights the essential information—the DoD IACs make this newly created condensed knowledge freely available to the government S&T community
- Conduct original research, capability development, and prototyping upon request from DoD and government organizations and systematically provide the latest scientific data and technological findings to the S&T community



In addition to the above, the DoD IACs also:

- Promote communication and collaboration among DoD scientists, engineers, acquisition professionals, and other federal agencies
- Establish requirements and responsibilities to ensure that scientific and technical information (STI) is a key outcome of all research and analysis
- Reuse and continually build on previous DoD research, development, test, and evaluation (RDT&E) research and analysis to maximize resources and eliminate duplication of effort
- Keep abreast of research efforts across the government, identify existing knowledge gaps, and work to fill them



The DoD IACs focus on 22 TFAs, grouped into three technical domains: cybersecurity, defense systems, and homeland defense.



Cybersecurity (CS)



Defense Systems (DS)



Homeland Defense (HD)

Within these domains and associated TFAs, the DoD IACs provide basic services such as acquiring, evaluating, and analyzing information; synthesizing research; and disseminating the resulting knowledge to the government S&T community through various products. The DoD IACs also provide individualized services on request, such as answering technical inquiries and providing extensive original research, analysis, prototyping, and capability development through one of our several contracting vehicles. The DoD IACs leverage their capacity and capability to provide comprehensive information analysis and research services to the entire S&T community, from leaders to planners to researchers. The DoD IACs are especially valuable in today's R&D environment because they support the DoD, along with its engineers and scientists, and must move at the speed of technology to provide the latest advancements to our Warfighters and the nation.

Technical Inquiries

TECHNICAL INQUIRIES

The DoD IACs provide answers to technical questions through the use of our worldwide information resources and our extensive network of subject matter experts (SMEs). These answers span across three domains—**cybersecurity, defense systems, and homeland defense**—involving **22 TFAs**. This service is available to all DoD engineers and scientists for up to 4 hours at no cost.

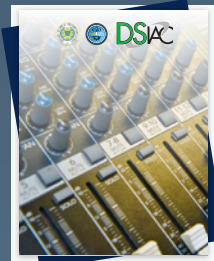
The DoD IACs answered **5,285** technical inquiries in FY20, saving DoD and government researchers valuable time and resources so they could **focus on their missions**. Examples include:



Provided the current state of research pertaining to visible, infrared, and thermal signature management in areas of manipulation of emissivity, reflectivity, adsorption, refraction, and backscatter using multispectral camouflage materials, multilayered, cavity-coupled plasmonic systems,

metamaterials, nanoparticles, carbon nanotubes, glass microspheres, nanofibers, electrochromatic fabric, metasurfaces, waveguides, and lenticular lens materials.

Provided information on the reduction of radio frequency (RF) energy spreading through gases and liquids that are not components of Earth's atmosphere, as most data on propagation loss in RF are for compounds typically found in the atmosphere.



EXTENDED TECHNICAL INQUIRIES

For those technical questions requiring more than 4 hours of research, the DoD IACs provide **extended technical inquiry research** services on a **cost recovery basis**. These efforts can be up to **2 months in duration**, a maximum of **\$50,000 in effort**, and awarded as Firm-Fixed-Price, Level-of-Effort (FFP-LOE) task orders (TOs). They can be classified up to TS/SCI, CONUS, and/or OCONUS. Examples include:



Researched, analyzed, and assessed the state of the 5G technology to include current and emerging applications and potential security risks. Provided details regarding the ongoing research programs at U.S. Department of Energy national laboratories, as well

as a summary overview of the recent developments addressed by the Federal Mobility Group.

Analyzed DoD lithium battery capabilities and certifications to satisfy weapon system power requirements and streamline power system selections in future weapon systems such as drones, missiles, and high-power applications are developed across all branches of the military.



Top Left: Photo by Bradley Kroner, Top Right: Photo by Senior Airman Brett Clashman, Bottom Left: Photo by Airman 1st Class Kelly Walker, Bottom Right: Photo by Marisa Alia-Novobilski

Technical Training

The DoD IACs provide free, in-depth technical training on subjects of particular interest to the DoD S&T community. These training sessions are delivered online or in a classroom setting and are led by domain SMEs.

The DoD IACs provided **113** technical trainings with **6,615** attendees in FY20.

To request training on specific topics, please email us: dtic.belvoir.iac.mbx.dodiacs@mail.mil.

EXAMPLES OF TRAINING CONDUCTED IN FY20



Big Data and Big Implications for Bio-cybersecurity

Gain an understanding of the uses and value of big data and cyber capabilities in bioscience and biotechnology – their national security, intelligence, and defense applications. Hear about vulnerabilities in these systems' infrastructures and functions and the importance and necessity of bio-cybersecurity as a multi-organizational posture and enterprise.

Characterization of Composite Spaced Armor Performance

Discover composite spaced armor, an unconventional armor system capable of stopping armor-piercing projectiles at lower areal density than possible with traditional metallic and ceramic armor systems. Ballistic tests of this armor system have shown that it has great potential to reduce weight in aircraft systems while providing improved ballistics protection.

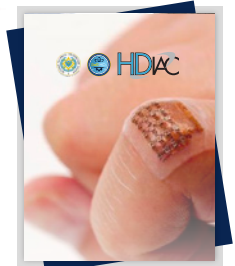


Global Navigation Satellite System (GNSS) Spoof Detection and Mitigation

Learn about research in developing practical means of detecting GNSS spoofing, the threat of false position, navigation, or time. The effect of spoofing can be harmful, but early detection can mitigate these effects.

Bringing the Hospital to the Patient: Advances in Implantable Nano Sensors

Find out about how nanotechnology is revolutionizing medicine and learn the latest in approved nanomedicine products that hold a significant promise for improving the health of the Warfighter.



Knowledge Products

The DoD IACs develop a wide variety of technical products to provide the scientific community a deeper understanding of emerging technologies and research. These products include State-of-the-Art Reports (SOARs), technical assessments, critical reviews, alternative technology analyses, models, and current awareness activities.

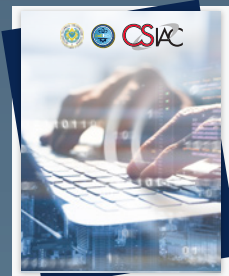
The DoD IACs developed **2,719** technical products and distributed them to **64,861** users in FY20, with an average user rating of **4.5 out of 5**.

EXAMPLES OF TECHNICAL PRODUCTS DEVELOPED IN FY20



The Countermeasures Against the Degradation of Warfighter Capabilities due to Infectious Disease Threats SOAR explores the impact of infectious disease on military personnel and concludes with a quick-look summary of state-of-the-art developments and recommended countermeasures to aid leaders during training and planning.

A six-part video series on C++ Models describes various conceptual models underlying the C++ programming language and illustrates how the models apply to aspects of the language for effective use covering: code structure, compilation, program execution, use of memory, classes, object model, and templates.



Various models and databases, including the WINFIRE database with the Fire Prediction Model that simulates ignition after a single threat penetrates through a vehicle and impacts a container of flammable fluid. The model predicts whether ignition would occur and continues modeling events through fire growth and spread.



The DoD Cybersecurity Chart captures the tremendous breadth of applicable cybersecurity policies in an organized scheme to assist cybersecurity professionals in navigating their way through policy issues to defend their networks, systems, and data.



Middle Right: Photo by tippapatt, Middle Left: Photo by pdusit



Research, Analysis, Prototyping, Innovation, and Development (RAPID)

For smaller research efforts the DoD IACs provide a RAPID process to acquire research and analysis or prototyping services. These efforts are awarded within 8 weeks, must have an analytical component, and generate scientific or technical information or prototypes.

Homeland Defense



Defense Systems



Cybersecurity



- Maximum \$1M ceiling and 12-month period of performance
- Contract types: Cost-Plus-Fixed-Fee (CPFF), Firm-Fixed-Price (FFP), Firm-Fixed-Price, Level-of-Effort (FFP- LOE)

- Can be classified up to TS/SCI
- CONUS and/or OCONUS to include Overseas Contingency Operations (OCO)

SURVICE
ENGINEERING COMPANY

QUANTERION
SOLUTIONS INCORPORATED



RAPID Example

The Defense Systems Information Analysis Center is supporting DoD's interest in advancing an emerging Counter Unmanned Aerial System (CUAS) technology, by working with the technology proponent through the breadboard and brassboard prototype development stages. The innovative Custom Unmanned Aerial Vehicle (CUAV) technology under development leverages a passive means to detect, identify, track, and disrupt small Unmanned Aerial Systems (sUAS). Prototype development includes demonstration testing to evaluate the technology's ability relative to prioritized performance criteria in acquiring and detecting sUAS. This technology has the potential to be used in a wide range of combat mission scenarios to provide a low probability of intercept, low probability of detection, and low probability of exploitation capability. The technology might also be used to protect infrastructures in population centers.

Photo by Spc. Derek Mustard



The IAC MAC

The DoD IACs offer a \$28B Multiple Award Contract.

The IAC MAC vehicle is an Indefinite Delivery, Indefinite Quantity (IDIQ) contract

that supports R&D and other related services in 22 TFAs across 3 domains.

Homeland Defense



CBRNE



Cultural Studies



Homeland Defense & Security



Medical



Alternative Energy



Biometrics



Critical Infrastructure Protection



WMD

Why IAC MAC for my contracting needs?

Easy to Use:

IAC MAC Customer Support Cell provides dedicated assisted acquisition and requirements development support to each user at no additional cost.

Rapid Award:

4.5 months average time from solicitation to award.

Pre-Vetted Contractors:

Best-in-class businesses with expertise across 22 TFAs.

Low Customer Shared Direct Cost (CSDC):

Our CSDC is far below the industry average. It includes end-to-end pre/post-award support (requirements, contracts, financial, surveillance). No additional cost or contract access fee.



Booz | Allen | Hamilton



Pool 1-Full and Open (TO value > \$15M)

Ordering Period: 30 SEP 2018 - 30 MAR 2028

Pool 2-Small Business (TO value < \$15M)

Ordering Period: 1 MAR 2019 - 1 APR 2028

Pool 3-CBRN Lab (Performed in CBRNE Facilities)

Ordering Period: 30 SEP 2018 - 30 MAR 2028

Defense Systems



Weapons
Systems



Survivability &
Vulnerability



Advanced
Materials



Military
Sensing



Directed
Energy



Autonomous
Systems



RMQSI



Non-Lethal
Weapons



Energetics



C4ISR

Cybersecurity



Software Data
& Analysis



Modeling &
Simulation



Cybersecurity



Knowledge Mgmt
& Info Sharing

How does IAC MAC make my job easier?

Flexible Contract Structure:

- Up to 60 months of TO period of performance
- No minimum or maximum ordering value
- Contract types (CPFF, FFP, FFP-LOE)
- Supports classified requirements up to TS/SCI
- CONUS and/or OCONUS to include OCO

Ease of Collaboration:

Quickly add co-funders with in-scope research requirements to your TO.

BAE SYSTEMS



DELTA Resources, Inc.

ManTech



BARBARICUM



MRIGlobal



Maximize Value:

IAC MAC is not your traditional contract vehicle. As an S&T program, DoD IACs provide continuous research analysis support to all TOs and facilitate novel reuse of research findings and technical information generated to accelerate similar research across DoD.

Contact Us

We look forward to supporting your RDT&E needs and enhancing your mission success. If you have any questions about the IAC MAC, contact us at:

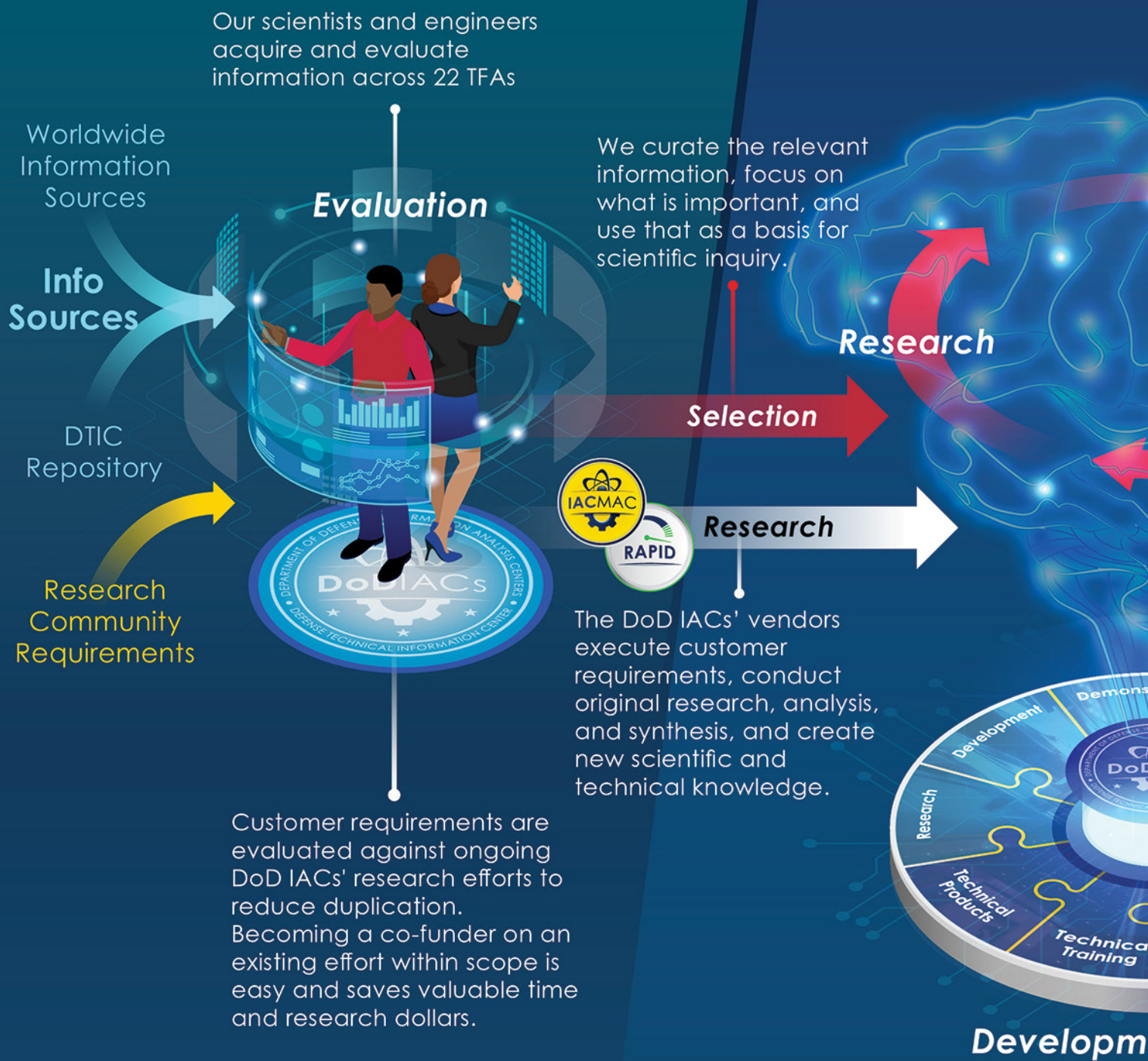
dtic.belvoir.iac.mbx.csc@mail.mil

To learn about the DoD IACs' Research & Analysis services, please visit us at:

<https://dodiac.dtic.mil/services>

The DoD IACs Model

The DoD IACs bridge the need for synthesis of actionable knowledge from ongoing research, fu



the gap between the vast scientific information available and
ized, easily accessible information by producing meaningful and
ge with immediate benefit to the users. **Our work accelerates
els future R&D efforts, and stimulates innovation.**

Our engineers and scientists
research and analyze the curated
information and synthesize the
material to produce new
knowledge products formulated
specifically for our customers.

Analyze

Synthesize

We provide
authoritative and timely
technical solutions and
knowledge (SOARs,
technical assessments,
critical reviews,
alternative technology
analyses, and current
awareness activities)
to the research
community.

Distribute



ent Process



New STI

The DoD IACs fill knowledge
gaps through the research
conducted for the customer, add STI to the
DTIC repository, and make it
available to the research
community to fuel future
R&D efforts.

We actively engage with the research
community to support and promote the
exchange of information and ideas
among scientists, engineers, and
practitioners of disciplines in the scope
of the DoD IACs' TFAs.

Acquisition

Laboratory

Research Community

DoDIACs
DEPARTMENT OF DEFENSE INFORMATION ANALYSIS CENTERS
DEFENSE TECHNICAL INFORMATION CENTER

IAC Customers

Operations

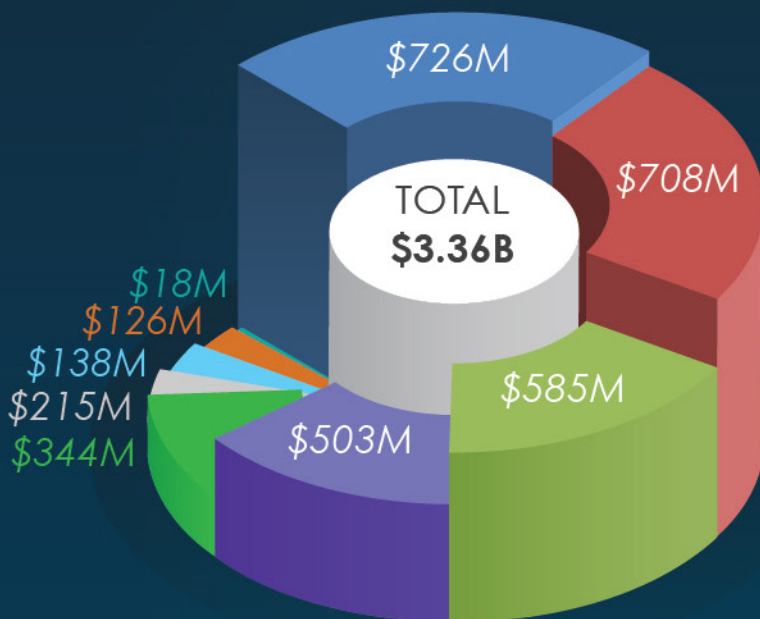
S&T Mgmt

Support to Modernization Priorities

The DoD IACs continue to stay at the forefront of research efforts. For the past seven decades, we have provided technical expertise to help solve the nation's toughest R&D challenges. The DoD IACs will continue to support the modernization priorities through research and assist in transitioning technologies into operational use.

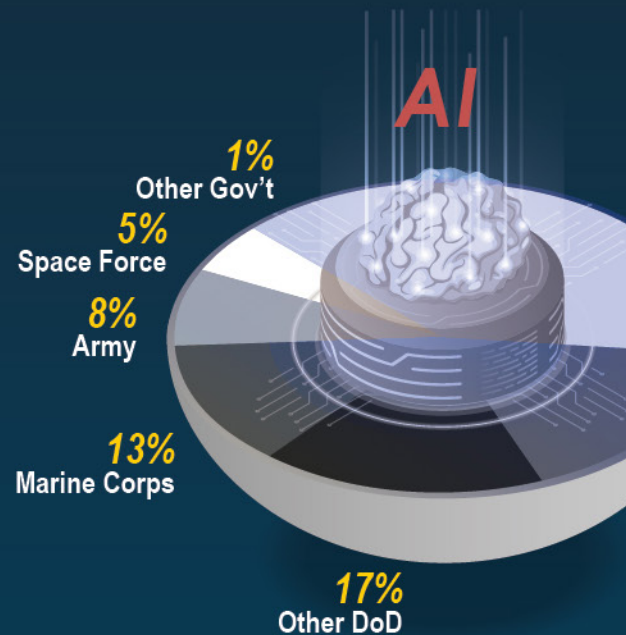
The DoD IACs promote the advancement of DoD's modernization priorities by supporting research for all military services, Combatant Commands, DoD agencies, and other federal government partners.

Since 2018, the IAC program has awarded over \$3.36B in R&D support across the following DoD modernization priorities:

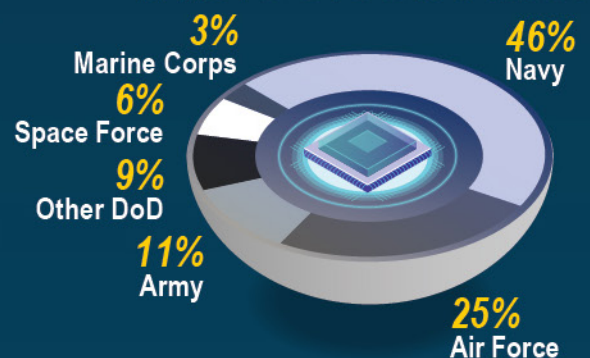


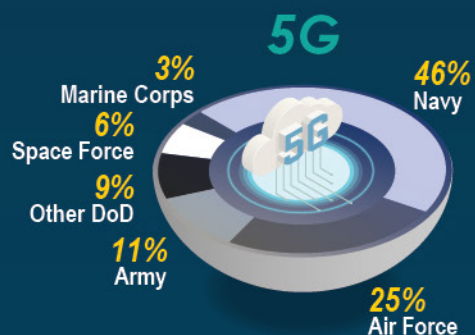
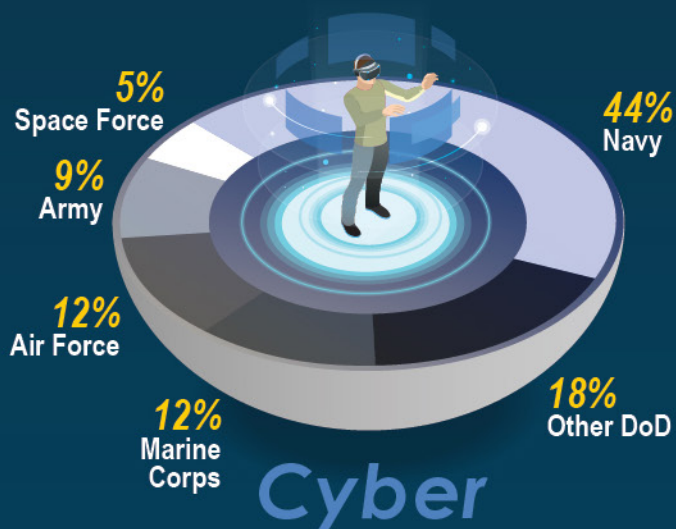
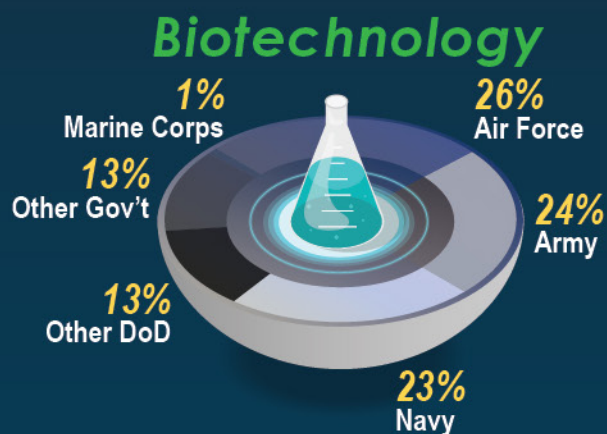
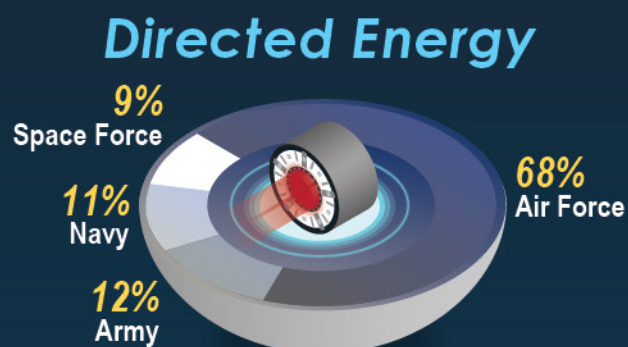
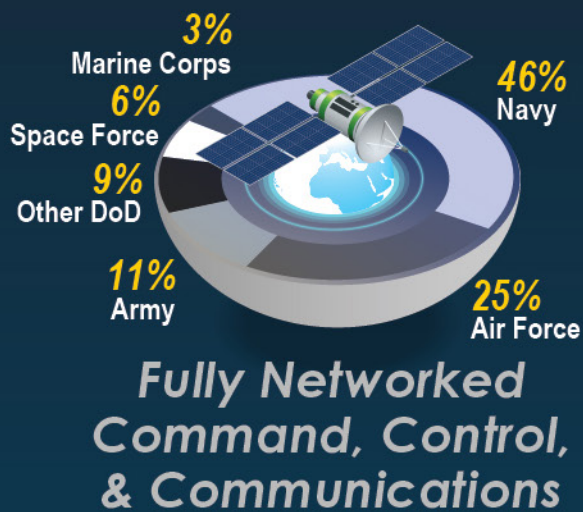
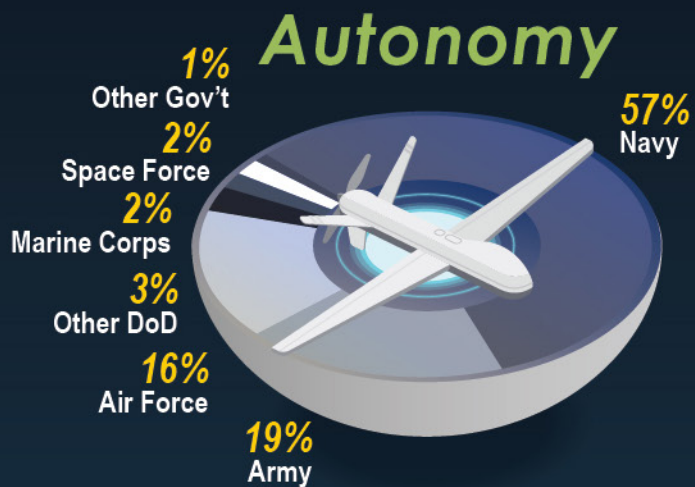
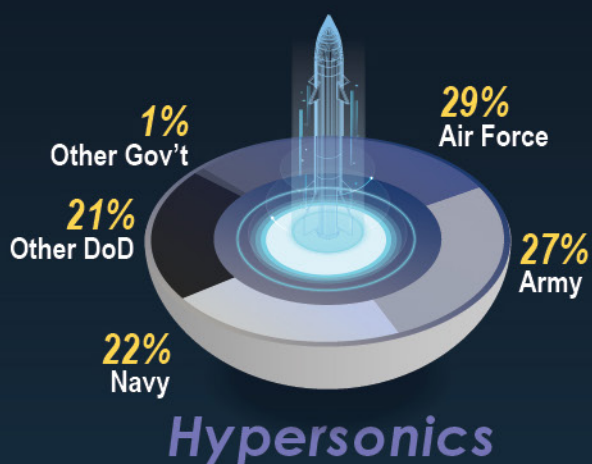
Supported Modernization Priorities

- Cyber
- AI
- Autonomy
- Hypersonics
- Biotechnology
- FNC3
- Directed Energy
- Microelectronics
- 5G



Microelectronics





Innovative Work

The following is a short selection of the 295 research and engineering projects our prime vendors are currently working on.



AFRL Photo: RQ Fugate, January 2013

TECHNICAL ANALYSIS AND ASSESSMENT OF SURVIVABILITY, VULNERABILITY, AND LETHALITY

The purpose of this research is to provide technical analysis and assessment of survivability, vulnerability, and lethality for all aspects of the selected weapons systems identified for the study. This research involves developing requirements through advanced analysis, modeling, and simulation. It also includes an Analysis of Alternatives study of operations in the Anti Access/Area Denial environment to include electronic warfare, electronic laser weapon systems, and Directed Energy, incorporating focus on non-kinetic counter-electronic technologies. This research will enhance the survivability and effectiveness of weapons systems against current and future offensive and defensive threats, including existing, emerging, future air-to-air and surface-to-air, future kinetic and non-kinetic Directed Energy, cyber, and electromagnetic and electromagnetic pulse threats.

UNMANNED AVIATION INTEGRATION, DEMONSTRATION, AND PROTOTYPING

This study promotes rapid prototyping of new technologies into unmanned aviation platforms and systems. Critical to

success of new development includes demonstrating these new technologies in representative and realistic environments and integrating new technologies into existing platforms. This work promotes innovation and will reduce the time required to deliver new capabilities to users.

MUNITIONS PLANNING, ASSESSMENT, AND ANALYSIS

The goal of this research is to provide munitions lethality analysis through the advanced development and research of fuzes, weapon terminal seeker science, munitions aerodynamics, and guidance navigation and control for various airframes. This research involves the technology focus of autonomous, precision-guided munitions with decreased susceptibility to countermeasures, improved weather performance, enhanced utility, and decreased cost. This research will enhance the capabilities and lethality of munition technologies.



(Photo Credit: Photo by Winifred Brown)

ADVANCED THREATS RESEARCH, DEVELOPMENT, TEST AND EVALUATION

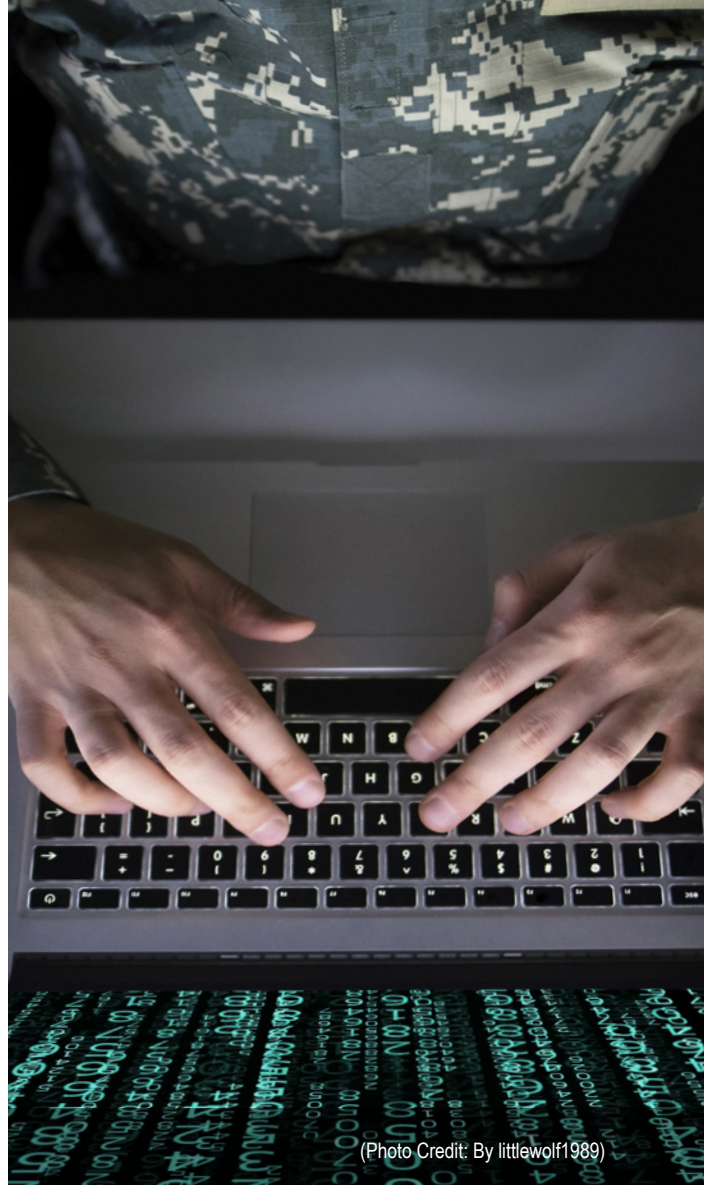
Protecting our Warfighters and homeland against weapons of mass destruction (WMD) is a top priority within the National Defense Strategy. Our goal is to conduct research, test, and evaluation toward the integration of Chemical, Biological, Radiological, Nuclear, Explosive (CBRNE) technologies into other developmental systems; develop interactive software-based tools with dynamic capabilities to analyze results of biological hazard, risk modeling, biological threat characterization research; and provide recommendations to decision-makers. This research will advance sensors that detect and identify WMD materials and increase personnel and equipment survivability. This enables them to avoid potential threats and take specific action based on real-time and accurate assessments of potential threats.

CYBERSECURITY, DATA ANALYSIS, AND INFORMATION SHARING

The goal of this research is to evolve several individual, standalone legacy systems into a mutually supporting, flexible, operationally tailorable “family of systems.” To meet this goal, the DoD IACs will identify and develop novel solutions to enable the technological alignment of disparate systems and improve their cybersecurity, data analysis, and information sharing effectiveness. These activities are vital to provide a highly assured and technologically relevant and resilient capability that addresses the ever-changing battlespace and associated warfighter needs.

ADVANCED SOFTWARE DEVELOPMENT, INTEGRATION, NETWORKS, AND CYBERSECURITY SUPPORT FOR LEADING EDGE TRAINING

The objective of this effort is the research, development, test and evaluation (RDT&E) of new software, technologies, and operational methods to dramatically improve the continuous training environment across the software development, cybersecurity, and Modeling and Simulation (M&S) focus areas. Driven by an expanding mission, a significant demand arose for more robust and extensive training capabilities, including higher fidelity models and simulations; improved networks, communications, and C4I; improved integration with a broad spectrum of DoD live, virtual, and constructive training systems; and enhanced capabilities for experiments, analytical studies, and exercises. Under this effort the DoD IACs use software and hardware engineering to develop and improve baseline capabilities of: models; networks; integration of systems, standards, protocols and procedures; and cybersecurity. Researchers will also implement improved cybersecurity tools, controls, and procedures and improve the design and execution of experiments and exercises. The end result of this RDT&E requirement will be a more robust, capable, and secure M&S capability, with an enhanced software core that models real-world conditions and capabilities, improved interface and communication capabilities, and upgraded cybersecurity controls, systems, and procedures to improve warfighter effectiveness and maintain a decisive combat advantage.



(Photo Credit: By littlewolf1989)

EXPLAINABLE ARTIFICIAL INTELLIGENCE APPLICATIONS WITHIN INTEGRATED DYNAMIC VISUALIZATION ENVIRONMENTS

This research develops breakthrough advances in science and engineering that enable the collection and exploitation of high resolution data by implementing an innovative, Explainable Artificial Intelligence approach that can potentially match current data production and provide enhanced data exploitation.

The research aims to develop recommendations for non-linear, non-convex analytical solutions, created without obfuscation, as opposed to more traditional “black-box” machine learning methods. This transparent approach allows for creating dynamic data architectures that can be rapidly fused between homogeneous models (model verification) and heterogeneous models (multisensory exploitation).

This study supports researchers, analysts, and decision makers across the DoD who require an understanding of dynamic processes and highly complex datasets.



(Photo Credit: By artgorov3@gmail)

EXPERIMENTATION FOR SENSOR SYSTEMS INTEGRATION

The goal of this research is to conduct RDT&E of emerging, spectrum-dependent sensor technologies, and ensure their operation in the electromagnetic spectrum meets current Warfighter needs. This study will provide technical, engineering, subject matter expertise, and rapid prototyping in applying spectrum RDT&E to electronic technology of interest to the military. Areas of research include development of processes and designs to improve signal processing and data acquisition on electronic circuits, memories, and microprocessors and development of next-generation electronic devices. This research will provide improved sensor component design, integration, and miniaturization; improved antenna concealment design; enhanced high-speed signal acquisition and processing; and increased sensor sensitivity and bandwidth throughput.

If you would like to find out more about our ongoing research, contact us at dtic.belvoir.iac.mbx.dodiacs@mail.mil

DoD IACs Prime Activity

FY20 Summary

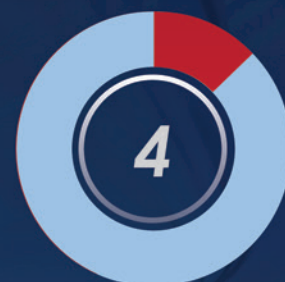
To achieve customer R&D requirements, the DoD IACs are supported by a competitively selected group of prime contractors who are industry leaders in our TFAs.



Booz | Allen | Hamilton
\$894.0M



ManTech
\$498.7M



amentum
\$45.8M



icet
\$42.4M



Raytheon
\$38.9M



Navy
40.70%

This graph shows the total ceiling awarded by service and federal agencies.

Note: These colors represent the identified service in circles above.

Legend

\$ Total Awarded Ceiling FY20
Number of awards

○ Percentage of awarded TO ceiling by service

The following graphics show the awards under the IAC MAC by DoD IACs' prime contractors with the total ceiling value awarded, number of awards, and percentage of ceiling awarded to the different services identified by color.

Georgia Tech Research Institute

\$279.0M



SAIC

\$190.8M



leidos

\$89.6M



BATTELLE

\$79.0M



DELTA Resources, Inc.

\$20.5M



BARBARICUM

\$14.9M



BRTFC
FEDERAL SOLUTIONS

\$5.3M



AIS Agile Innovative Solutions
JOINT VENTURE

\$3.9M



Air Force
24.36%

Army
20.30%

Other DoD
7.38%

Marine Corps
1.48%

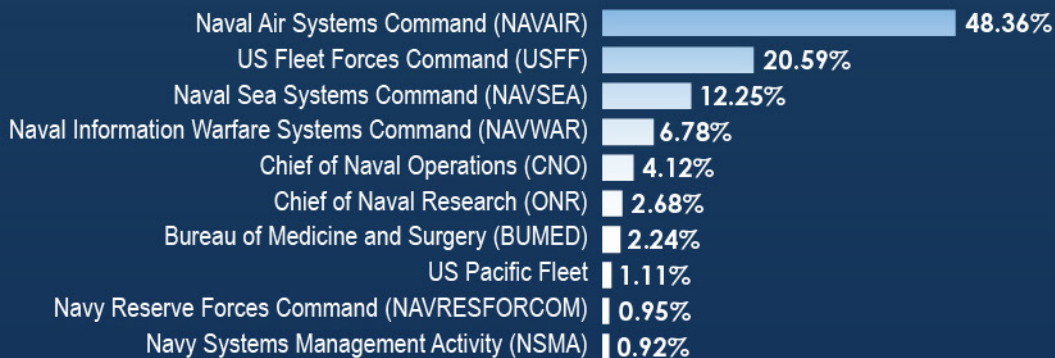
Space Force
5.27%

Other Gov't
0.50%

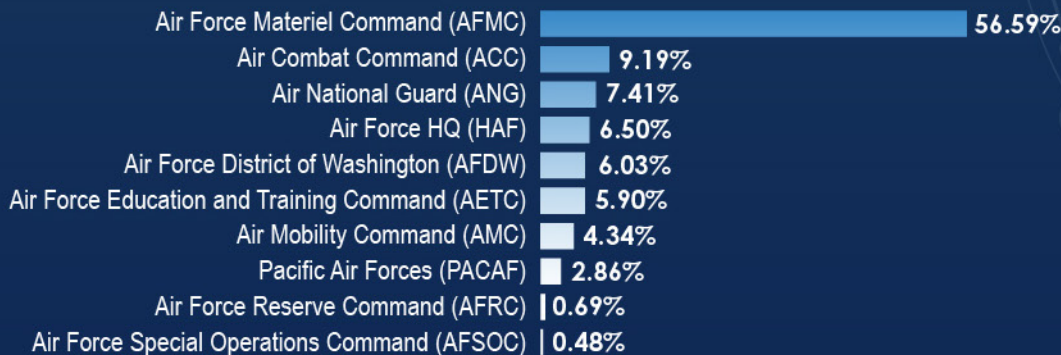
Who Uses the DoD IACs

The DoD IACs added 81 new customers in FY20. Listed below are the top organizations by funding, supported since 2015.

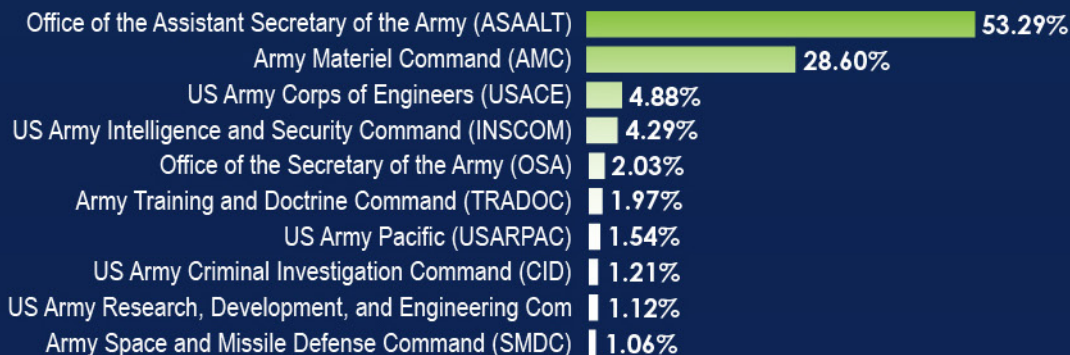
NAVY



AIR FORCE



ARMY

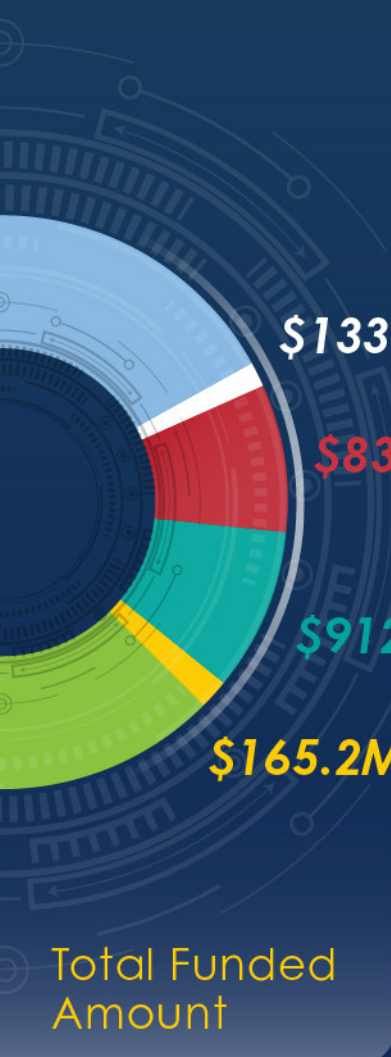


\$2.94B

\$2.43B

\$2.52B

\$9.94B



US SPACE FORCE



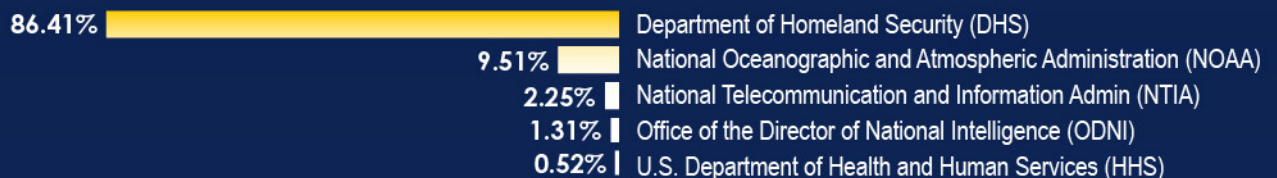
MARINE CORPS



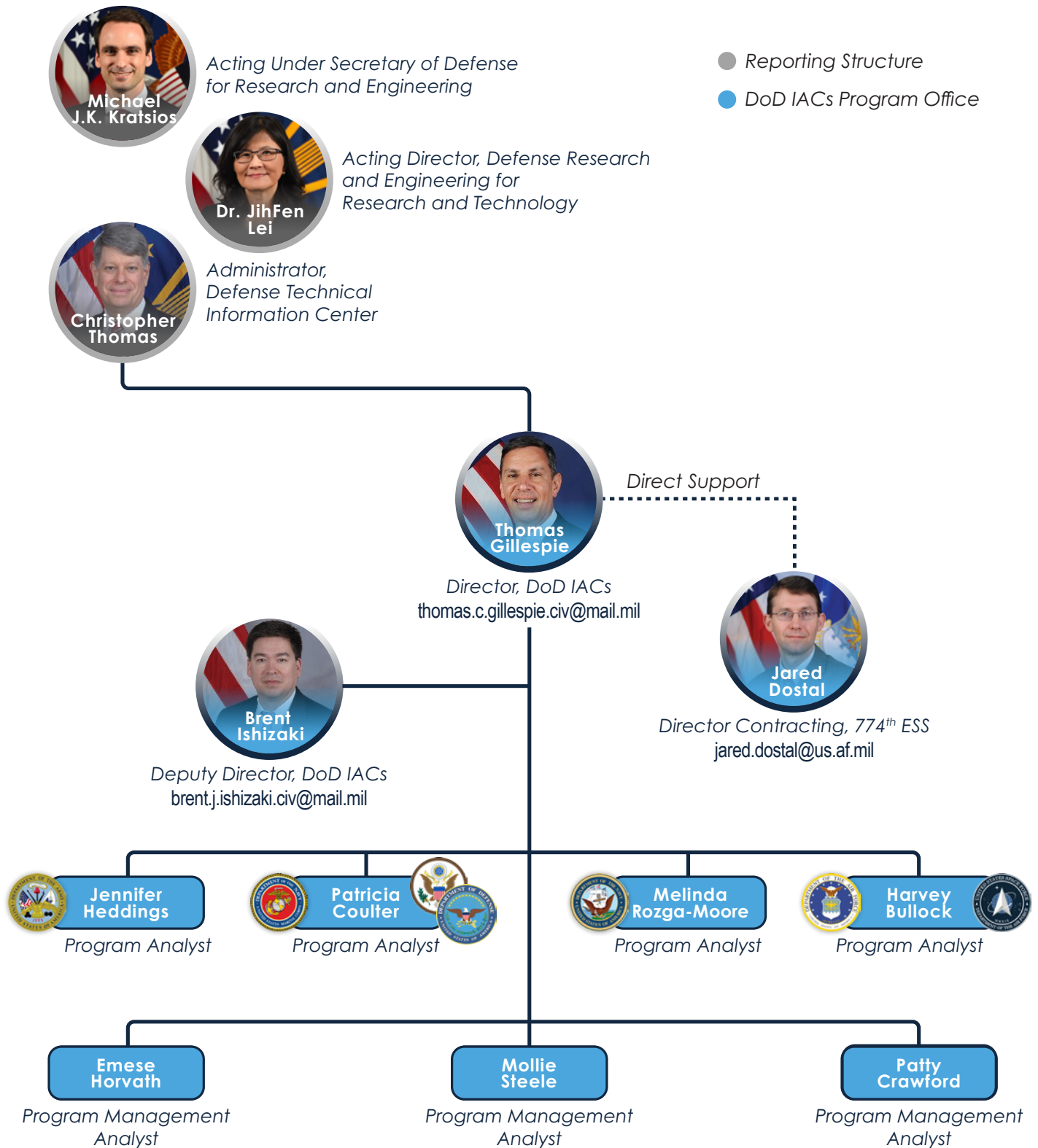
OTHER DoD



OTHER GOVERNMENT



Reporting Structure



Preferred Use Memorandum

A Preferred Use of DoD IACs Contracts memorandum was signed 27 July 2018

OUUSD(R&E) recognizes the DoD IACs as a model for rapid and customer-focused acquisition of advanced R&D services tailored to meeting the diversity of technical challenges faced by DoD customers.

Check out the full memo at:

<https://dodiac.dtic.mil/resource>



OFFICE OF THE SECRETARY OF DEFENSE
1000 DEFENSE PENTAGON
WASHINGTON, DC 20301-1000

JUL 27 2018

MEMORANDUM FOR COMMANDER, UNITED STATES SPECIAL OPERATIONS
COMMAND (ATTN: ACQUISITION EXECUTIVE)
COMMANDER, UNITED STATES TRANSPORTATION
COMMAND (ATTN: ACQUISITION EXECUTIVE)
ASSISTANT SECRETARY OF THE ARMY (ACQUISITION,
LOGISTICS, AND TECHNOLOGY)
ASSISTANT SECRETARY OF THE NAVY (RESEARCH,
DEVELOPMENT, AND ACQUISITION)
ASSISTANT SECRETARY OF THE AIR FORCE (RESEARCH,
DEVELOPMENT, AND ACQUISITION)
DIRECTORS OF THE DEFENSE INFORMATION AGENCY
DIRECTORS OF THE DOD FIELD

SUBJECT: Preferred Use of Department of Defense Information Analysis

First established in 1946, the Department of Defense (DoD) Information Analysis Centers (IAC) continue to serve as an essential resource for research and analysis in innovative technologies to support current and future operations. The DoD IACs continue to provide value in maximizing the utility of DoD research and development dollars through knowledge re-use and building upon previous research, development, and information.

The DoD IACs operate across a broad range of task orders for technical analysis, managing over 250 task orders and conducting \$1.5 billion in research efforts in Fiscal Year (FY) 2017. Through the DoD IACs, research data is collected, analyzed, and re-used to answer recurring technical challenges, stimulate innovation, and provide solutions to meet Government requirements.

The IAC program incorporates a number of best practices that make it a model for rapid and user-friendly acquisition of advanced Research and Development services:

- Open to all DoD components

Maximize Value

IAC MAC is not your traditional contract vehicle. DoD IACs provide continuous research analysis support to all TOs and facilitate novel reuse of research findings and technical information, generated to accelerate similar research across DoD.

Easy to Use

IAC MAC Customer Support Cell provides dedicated assisted acquisition and requirements development support to each user.

Ease of Collaboration

Quickly add co-funders with in-scope research requirements to your TO.

“IN DEVELOPING ACQUISITION STRATEGIES, ALL NEW AND ONGOING EFFORTS SHOULD CONSIDER THE DOD IACs' CONTRACTS AS VEHICLES OF FIRST CHOICE.”

“WE ENCOURAGE REQUIRING OFFICERS AND CONTRACTING OFFICERS TO USE THE DOD IACs VEHICLES AS BEST VALUE.”

e-vetted contract performers, industry leaders in their fields rapid turnaround of incremental funding on task orders, and the ability for sharing of task orders across customers, speeding execution of work knowledge re-use that relies heavily on knowledge-mining in the over four million technical documents of the Defense Technical Information Center at a low cost to the user, 1-2 percent in FY 2018.

...process that can be readily tailored to diversity of technical challenges faced by ...indefinite delivery/indefinite quantity meet this broad need (to become a single MAC IDIQ by FY 2019), ...

	Homeland Security & Defense
	Information Systems & Knowledge Management
	Information Operations
	Logistics, Supportability, and Interoperability (RMQSI)
	Software & Data Analysis
	Survivability & Vulnerability
	Weapons Systems

...ing the policy of our predecessors established in January 2015, we encourage ... and Contracting Officers to use the IACs as best value vehicles to acquire ... within the applicable scope areas. In developing acquisition strategies, all new ... should consider the DoD IAC contracts as vehicles of first choice.

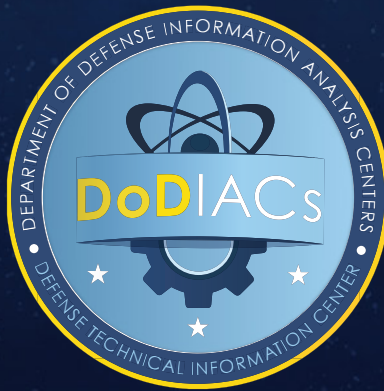
...information on the DoD IACs can be found at <https://dodiac.dtic.mil>. Questions ... and assistance can be found at do_diac@dtic.mil. For more information, visit <https://dodiac.dtic.mil>.

Low Customer Shared Direct Cost (CSDC)

CSDC includes end-to-end pre/post-award support (requirements, contracts, financial, surveillance). No additional cost or contract access fee.

Pre-Vetted Contractors

Best-in-class businesses with expertise across 22 TFAs.



PLEASE VISIT US AT:
<https://dodiac.dtic.mil>



DEFENSE TECHNICAL INFORMATION CENTER
PRESERVING KNOWLEDGE • CONNECTING PEOPLE • INSPIRING INNOVATION

8725 John J. Kingman Rd, Fort Belvoir, VA 22060-6218
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