

**State**  
*of the*  
**INFORMATION  
ANALYSIS CENTERS**

**FISCAL YEAR 2019**

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# PREFERRED USE MEMO

A Preferred Use of DoD IAC Contracts memo was signed by Mr. Shay Assad, Director, Defense Pricing and Contracting (DPAC) and co-signed by Ms. Mary Miller, Principal Deputy, Director of Defense Research and Engineering for Research and Technology (PD, DDRE(R&T)), on 27 July 2018.

- Pre-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
- All at a low cost to the user, 1.2 percent in FY 2018.

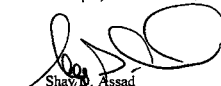
These best practices result in a rapid acquisition process that can be readily tailored to many different problems and scenarios, meeting the diversity of technical challenges faced by DoD users.

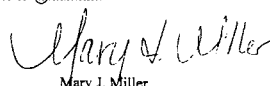
The DoD IACs offer several multiple award, indefinite delivery/indefinite quantity contracts (MAC IDIQ) to meet this broad need (to become a single MAC IDIQ by FY 2019) covering these scope areas:

Advanced materials	Homeland Security & Defense
Alternative Energy	Information Sharing & Knowledge Management
Autonomous Systems	Medical
Biometrics	Military Sensing
Chemical, Biological, Radiological, and Nuclear (CBRN) Defense	Modeling & Simulation
Command, Control, Communications, Computers, Intelligence, Surveillance, and Reconnaissance (C4ISR)	Non-lethal Weapons and Information Operations
Critical Infrastructure Protection	Reliability, Maintainability, Quality, Supportability, and Interoperability (RMQSI)
Cultural Studies	Software & Data Analysis
Cyber Security	Survivability & Vulnerability
Directed Energy	Weapons Systems
Energetics	

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

Additional information on the DoD IACs can be found at <http://iac.dtic.mil/>. Questions regarding this action memorandum can be directed to the DoD IAC's Director, Mr. Thomas Gillespie, at 703-767-9235 or [thomas.c.gillespie.civ@mail.mil](mailto:thomas.c.gillespie.civ@mail.mil).

  
Shay D. Assad  
Director, Defense Pricing  
and Contracting

  
Mary J. Miller  
Performing the Duties of the  
Assistant Secretary of Defense  
for Research and Engineering

2

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 (ACQUISITION)  
DIRECTORS OF THE DEFENSE AGENCIES  
DIRECTORS OF THE DOD FIELD ACTIVITIES

Preferred Use of Department of Defense Information Analysis Center Contracts

Established in 1946, the Department of Defense (DoD) Information Analysis Center (IAC) continues to serve as an essential resource for research and analysis in innovative areas to support current and future operations. The DoD IACs continue to prove their value by maximizing the utility of DoD research and development dollars by emphasizing knowledge re-use and building upon previous research, development, and other technical information.

The DoD IACs operate across a broad range of task orders for technical research and development, managing over 230 task orders and conducting \$1.5 billion in research efforts in FY 2017. Through the DoD IACs, research data is collected, analyzed, and re-used to recurring technical challenges, stimulate innovation, and provide solutions to meet current requirements.

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

- Open to all DoD components
- Full service assisted acquisition, that includes:
  - Customer Support Cell to assist users in developing a Performance Work Statement (PWS) that ensures work meets mission requirements
  - Dedicated contracting capability - expert in Research, Development, Test, and Evaluation contracting (research, analysis, studies, modeling and simulation, test, fabrication, prototyping)
  - Post-award surveillance of work to ensure quality, timeliness, scope, and correct billing
- Task orders that are flexible and scalable to the user's needs, supporting ceiling levels ranging from \$1 million to \$500 million



Both Mr. Assad and Ms. Miller recognize the DoD IAC program as a model for rapid and customer-focused acquisition of advanced Research and Development (R&D) services tailored to meeting the diversity of technical challenges faced by DoD customers.

Furthermore, Mr. Assad and Ms. Miller encourage Requiring and Contracting Officers to use the DoD IAC as best value vehicles to acquire services that fall within the applicable scope areas and to consider the DoD IAC contracts as vehicles of first choice.

# LETTER FROM THE DIRECTOR

To lead off this third annual installment of the State of the Information Analysis Centers (IAC) report, I am pleased to report the DoD IAC program continues to bring Research and Development (R&D) innovation to the Department of Defense Science and Technology (S&T) ecosystem. We provide critical, flexible, efficient, and cutting-edge research and analysis primarily to acquisition program managers, DoD laboratories, Program Executive Offices (PEOs), and Combatant Commands. The DoD IAC program continues to expand its offerings and capabilities beyond its foundational heritage as the Rocket Propulsion Information Analysis Center (RPIAC) in 1946 to now encompass groundbreaking R&D efforts across the technological spectrum.



**THOMAS  
GILLESPIE**  
Director, DoD  
Information  
Analysis  
Centers (IAC)

The DoD IAC program is a model for the rapid and customer-focused acquisition of advanced R&D services tailored to address many different problems and scenarios, meeting the diversity of technical challenges faced by DoD customers across the breadth and depth of 22 technical focus areas. As part of the Defense Technical Information Center (DTIC), the expansive work going on in the DoD IAC program aligns with Dr. Griffin's mission as the Chief Technology Officer "to foster technological dominance across the Department of Defense and ensure the advantage of the American warfighter." Accordingly, the DoD IAC program has aligned its efforts to support OUSD(R&E)'s eleven modernization priorities depicted on page 18.

The fiscal year 2019 has seen the highest level of R&D funded work performed through the DoD IAC program, \$2 billion in funded work. Given the DoD IAC's savings of approximately 16% on each task order awarded in FY19, this represents savings over \$315 million. The DoD IAC program is continuing to increase the savings to the customer by reducing our Customer Shared Direct Cost from 1% in FY19 to 0.8% in FY20. To meet the increasing demand for IAC services into FY20, we are, in tandem with our Air Force contracting partners, pursuing the hiring of additional personnel to ensure we maintain our record of low times-to-award.

As the DoD IAC program looks to the future, beyond FY20, we stand ready to support a wide range of DoD R&D efforts across an ever-expanding customer base of both new and returning customers.

**“ The Joint Staff J7 was restructured to focus on concept driven, threat informed capability development. The IAC contract vehicle has provided our government and contractor team the flexibility needed to address emerging and innovative concept requirements.”**

RON ROSENKRANZ  
Joint Staff, J7

# IAC

## BY THE NUMBERS

**\$9.37B**

Value of Awards  
Since FY15

**4.6**

Avg Months  
(Solicitation  
To Award)

**\$2B**

Annual Contract  
Obligations

**550+**

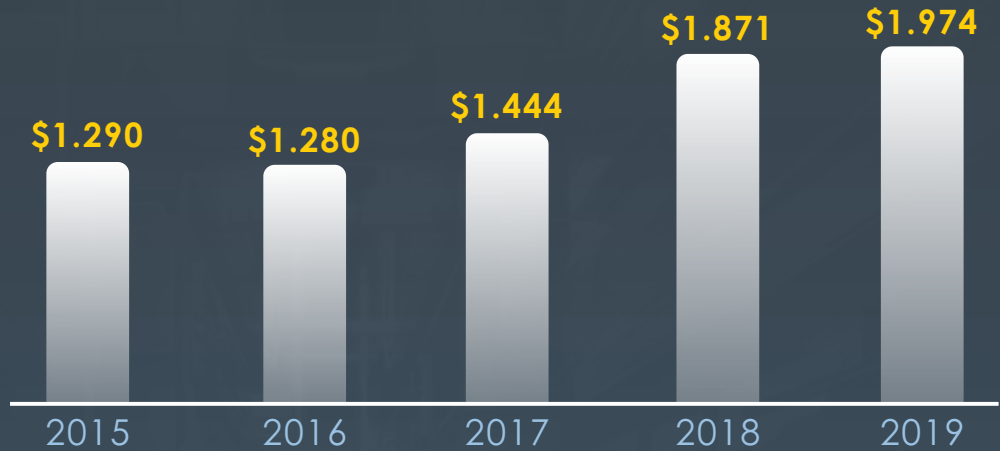
Customers

**280**

Active Task  
Orders (TO)

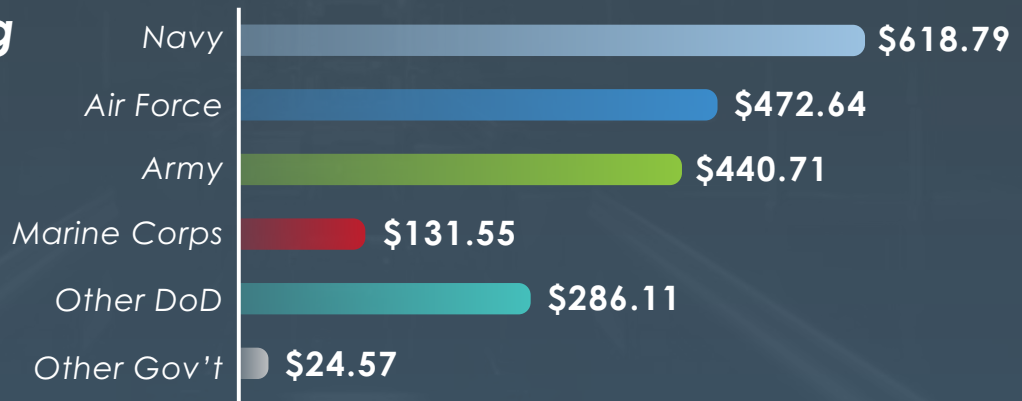
### Funding for R&D by FY

(BILLIONS)



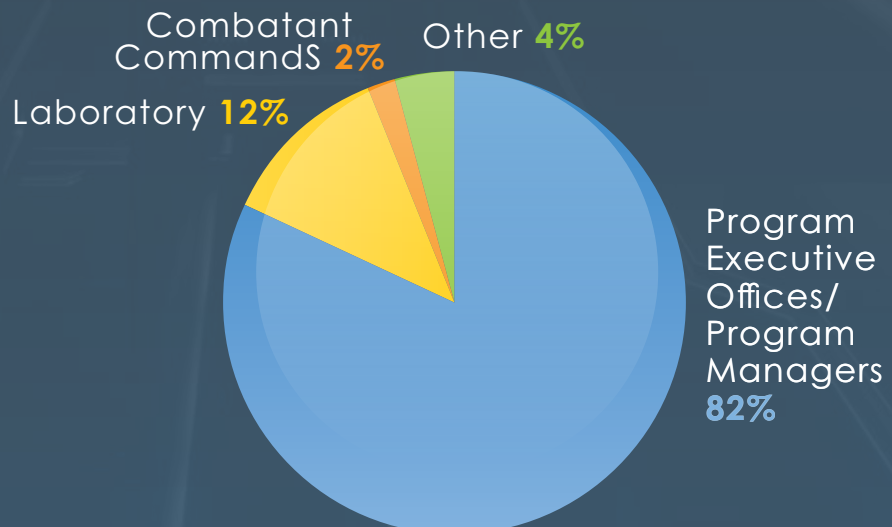
### 2019 Funding for R&D by Service

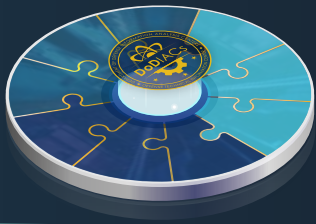
(MILLIONS)



### 2019 Funding for R&D by Agency Type

(PERCENTAGE)





# WHO WE ARE

## IAC ROLE & MISSION

### IAC ROLE

The IAC program is sponsored by the DTIC and is chartered to acquire, digest, analyze, evaluate, synthesize, store, publish, and distribute scientific and technical information (STI) and engineering data in a clearly defined specialized field or subject area of significant DoD interest or concern.

The IACs use a team of experts to assess and provide relevant technical information and to support the DoD Acquisition Enterprise to meet user needs.



*Implement a systematic interchange of scientific data and technological findings developed under DoD programs*



*Maximize resources and eliminate duplication of effort by reusing DoD RDT&E research and assets*



*Promote communication and collaboration among DoD scientists, engineers, acquisition professionals, and other federal agencies*



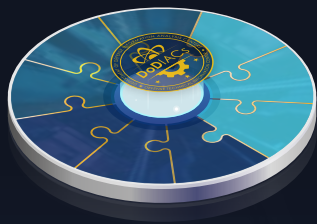
*Establish requirements and responsibilities to ensure that STI is a key outcome and a record of the R&E work conducted*

### SUPPORT R&E

**Support USD(R&E)'s mission to foster technological dominance across the DoD and ensure the advantage of the American warfighter.**



DTIC plays a critical role enabling the Department of Defense to meet emerging scientific and technological challenges, and maintain our military's competitive edge. The DoD invests more than \$14B in science and technology each year, and DTIC's mission is to maximize that investment. DTIC continuously collects scientific and technical information and improves the digital search, analysis, and collaboration tools that make this information - 4.5M documents and counting - widely available to decision makers, researchers, engineers, and scientists across the department.



# WHO WE ARE

## ORGANIZATION

### DOD INFORMATION ANALYSIS CENTERS

The DoD IAC program is divided into three domains (Cyber Security, Defense Systems, and Homeland Defense) and manages scientific and technical information across 22 technical focus areas (TFA).

Acquire STI from on-going research and open source

#### ACQUIRE

Analyze STI to assess knowledge base, identify trends, and fill gaps

#### ANALYZE

*The IAC model is a systematic approach to reuse and share scientific and technical information to support and advance on-going research through actively acquiring, analyzing, synthesizing, and disseminating STI throughout the DoD.*

#### DISSEMINATE

Provide research products to authorized users

#### SYNTHESIZE

Create STI to fill research needs and answer questions

#### Technical Domain



#### Technical Focus Areas (TFA)

Software Data & Analysis

Modeling & Simulation

Cyber Security

Knowledge Mgmt & Info Sharing

Weapons Systems

Survivability & Vulnerability

Advanced Materials

Military Sensing

Directed Energy

Autonomous Systems

RMQSI

Non-Lethal Weapons

Energetics

C4ISR

Homeland Defense & Security

Cultural Studies

Critical Infrastructure Protection

Alternative Energy

CBRNE

Biometrics

Medical

WMD



# WHAT WE DO

## IAC SOLUTIONS

Our team of specialists helps researchers, engineers, scientists, and program managers utilize existing STI to drive innovation across the DoD with technical analysis and development of materiel solutions to advance the DoD's warfighting capabilities. Through unparalleled services, the DoD IAC program helps accelerate the acquisition lifecycle and enables customers to meet their needs in a cost-effective, efficient, and compliant manner.

### **ASSISTED ACQUISITION SOLUTIONS**

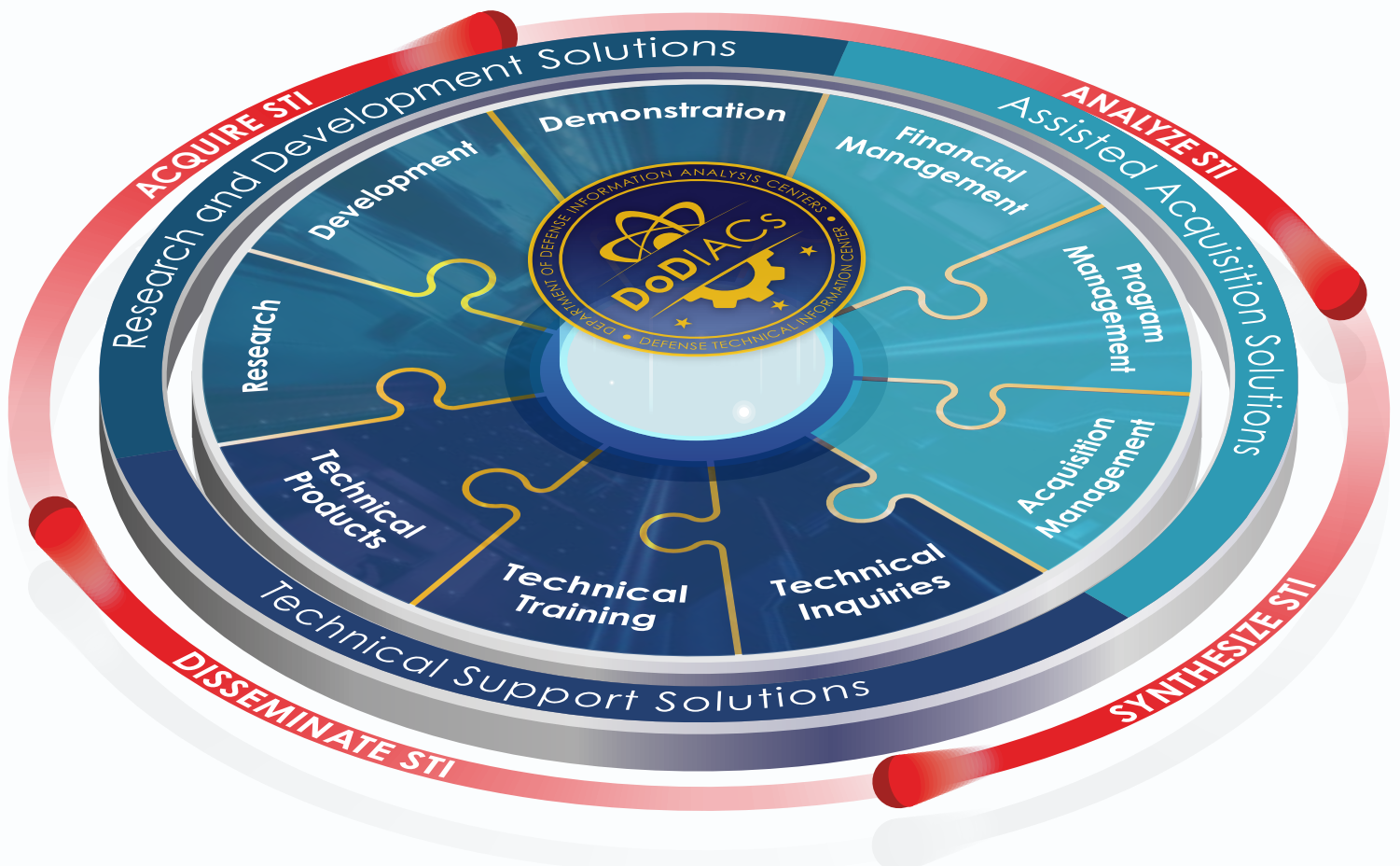
Provide turn-key solutions to program needs by assisting in the development of customer requirements, processing all financial documents in an auditable environment, and monitoring contract performance

### **TECHNICAL SUPPORT SOLUTIONS**

Answer technical inquiries, provide access to the S&T community's Subject Matter Experts, conduct technical training, and develop technical products

### **RESEARCH AND DEVELOPMENT SOLUTIONS**

Deliver R&D services to the DoD and S&T community across 3 domains (Cyber Security, Defense Systems, and Homeland Defense) and 22 technical focus areas to support DoD's critical requirements at all levels of research and engineering







# WHAT WE DO

## ASSISTED ACQUISITION SOLUTIONS

### ACQUISITION MANAGEMENT

**Provide hands-on expertise to develop complex customer requirements and scan ongoing research to match customers to existing IAC task orders. If there is no existing in scope task order, mature the customers' objectives into PWS tasks based on latest research.**

- Start to finish assistance and collaboration from our team of experts from requirements definition through contract award
- Assist DoD organizations in combining research efforts



- Provide FAR-compliant PWS focused on customer desired outcome
- Provide reduced time to award



### FINANCIAL MANAGEMENT

**Manage customer commitments, obligations, and payments through the order lifecycle in an audit ready environment**

- Review and accept customer's orders and ensure funds are correctly obligated
- Track the status of customer funds from obligation to close out
- Evaluate financial records of obligations to assist with customer audit requests and reconciliation efforts

### PROGRAM MANAGEMENT

**Provide fusion of data analytics and contract surveillance to ensure delivery**

- Monitor program key performance indicators to allow timely decision-making in support of customers
- Monitor and assess post award contract execution to mitigate risk to the government
- Interface with the S&T community and relay customer feedback to improve processes

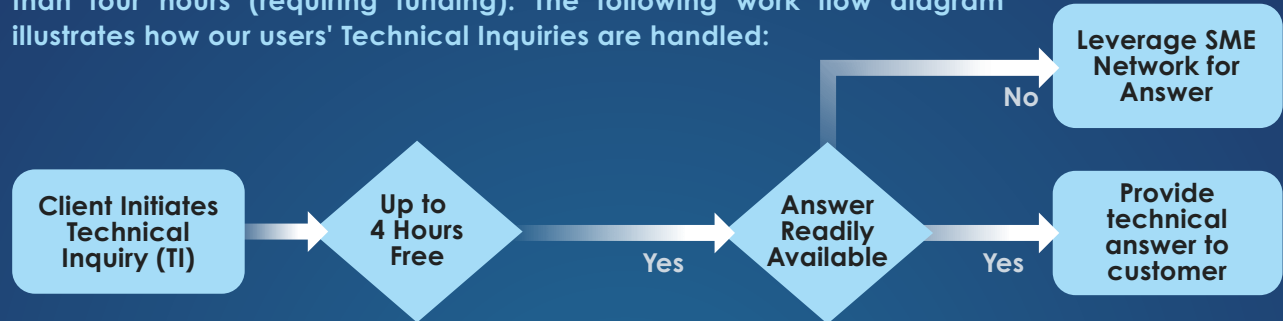


# WHAT WE DO

## TECHNICAL SUPPORT SOLUTIONS Technical Inquiries

### TECHNICAL INQUIRIES

DoD IAC provides rapid responses to users' Technical Inquiries in two levels: those that can be answered with up to four hours of free Technical Inquiry research and those that require more than four hours (requiring funding). The following work flow diagram illustrates how our users' Technical Inquiries are handled:



## Subject Matter Analysis and Research Task (SMART)

Average Time to Award:  
2 Weeks

- Up to 2 months of task order (TO) period of performance (PoP)
- Maximum \$50k TO ceiling
- FFP LOE contract type

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



#### ACCELERATED AWARD

2 weeks average time from requirement identification to award



#### LEVERAGE EXISTING STI

Accelerate research



#### ACCESS TO SME NETWORK

IAC network of 2300 active SMEs



#### LOW COST

0.8% Customer Shared Direct Costs (CSDC)

### Contact Us

If you would like to learn more please email us at:  
[dtic.belvoir.iac.mbx.dodiacs@mail.mil](mailto:dtic.belvoir.iac.mbx.dodiacs@mail.mil)

Check out additional resources:  
<https://dodiac.dtic.mil/services>



# WHAT WE DO

## TECHNICAL SUPPORT SOLUTIONS

Training and Products

### TECHNICAL TRAINING

The IACs provide in-depth technical training on current topics of particular interest in the DoD S&T Community led by domain subject matter experts.

**Highlights:** Topic-specific analyses from subject matter experts

**Podcasts:** Collections of 5 – 15 minutes videos that provide a summary of recent events, emerging technologies and topics highlighting best practices

**Webinars:** Hour long presentations providing an in-depth look at topics of particular interest to the DoD S&T community led by domain subject matter experts

### TECHNICAL PRODUCTS

The domain IACs develop a wide variety of technical and informational products to provide the DoD S&T community a deeper understanding of emerging technologies and research. These products include State of the Art Reports, quarterly journals, infographics, digests, and a multitude of research materials.



**State of the Art Report:**  
Counter-Materiel (CM)  
Non-Lethal Weapons  
(NLW) Technologies



**Quarterly HDIAC Journal:**  
Volume: 6 #2  
Summer 2019



**Quarterly DSIAC Journal:**  
Volume 6 #3  
Summer 2019

## BY THE NUMBERS

TECHNICAL  
INQUIRIES  
ANSWERED  
**3,000**

TRAINING  
EVENTS  
**66**

ACTIVE  
SMEs IN THE  
DoDIAC  
**2,300**

TRAINING  
ATTENDEES  
**8,500**



# R&D SOLUTIONS

## FOR BUDGET ACTIVITIES

Basic Research through Demonstration

\$28B Indefinite Delivery Indefinite Quantity (IDIQ) Information Analysis Center (IAC) Multiple Award Contract (MAC)



Supports RDT&E services, other R&D related analytical services and development

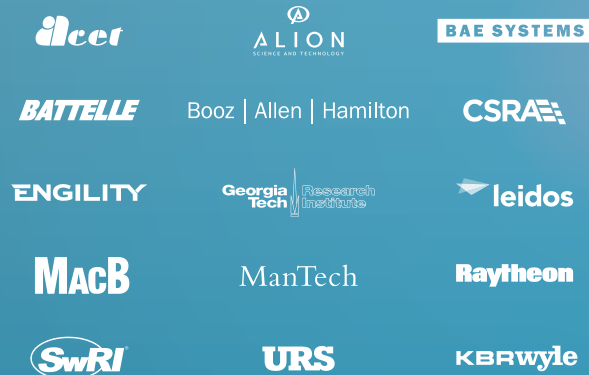
Average Time Solicitation to Award: 4.6 Months

- Up to 60 months of task order PoP
- No Minimum or Maximum
- All contract types (Cost-Plus-Fixed-Fee, Firm-Fixed-Price, Time & Material)

- Can be classified up to TS/SCI
- CONUS and/or OCONUS to include OCO

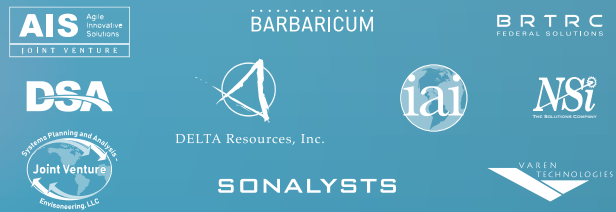
### POOL 1 AWARDEES

TOs valued above \$15M



### POOL 2 AWARDEES

TOs valued at or below \$15M



### POOL 3 AWARDEES

Requires CBRNE Facilities



#### ACCELERATED AWARD

4.6 months average time from solicitation to award



#### INCREMENTAL FUNDING

Fund projects as funds become available and project need arises



#### CO-FUNDING

Other agencies can fund in-scope reserach on same task order



#### LEVERAGE EXISTING STI

Accelerate research



#### LOW COST

0.8% Customer Shared Direct Costs (CSDC)



#### CUSTOMER SUPPORT CELL

Team of specialists works with you to mature requirements

### Contact Us

If you would like to learn more please email us at: @ dtic.belvoir.iac.mbx.csc@mail.mil

Check out additional resources: <https://dodiac.dtic.mil/services>



# R&D SOLUTIONS

## FOR BUDGET ACTIVITIES

Basic Research through Demonstration



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

Average Time to Award: 8 weeks

- Maximum \$1M task order ceiling
- All contract types (Cost-Plus-Fixed-Fee, Firm-Fixed-Price, Time & Material)
- Can be classified up to TS/SCI
- CONUS and/or OCONUS to include OCO
- Up to 12 months of task order PoP



#### ACCELERATED AWARD

8 weeks average time from requirement identification to award



#### LEVERAGE EXISTING STI

Accelerate research



#### INCREMENTAL FUNDING

Fund projects as funds become available and project need arises



#### LOW COST

0.8% Customer Shared Direct Costs (CSDC)



#### CO-FUNDING

Other agencies can fund in-scope research on same task order

### Contact Us

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



Supports RD related Res services and Scientific an



S&T Management Community

R&A STI



Provide rapid access to Research, Analysis, Prototyping, Innovation, and Development up to \$1M and 12 months periods of performance.



ACQUIRE STI

Research

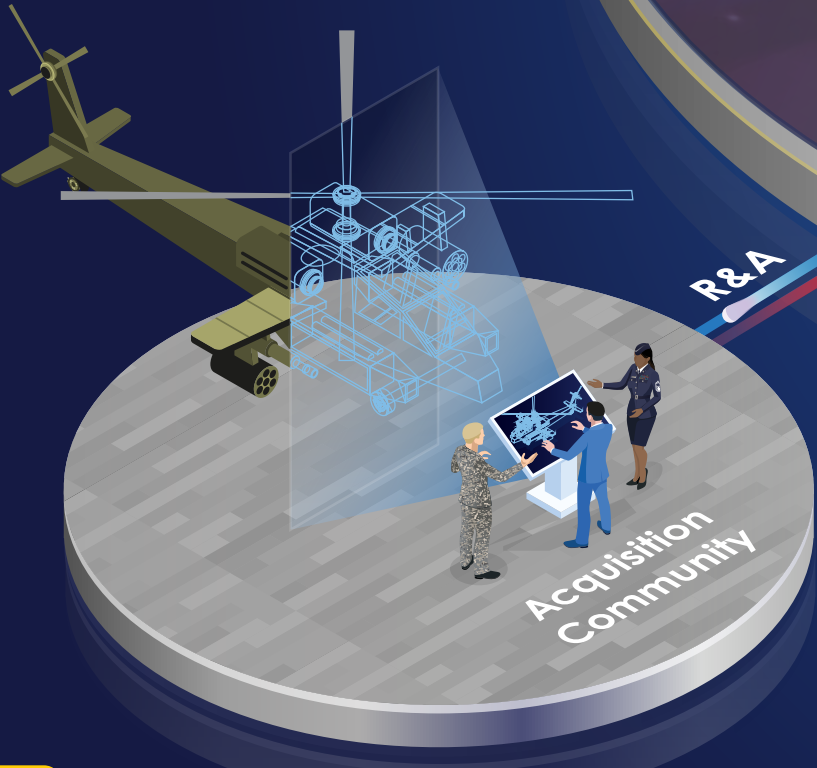
Development

Technical Products

Technical Training

DISSEMINATE STI

Demonstration



Acquisition Community

R&A STI

# THE IAC

DT&E services, other R&D  
 Research and Analysis (R&A)  
 and development, to produce  
 and Technical Information (STI)



Provide access to SMEs  
 to answer challenging  
 technical questions  
 requiring more than  
 4 hours of technical  
 research



MODEL

# DoD IAC FY19

## INNOVATIVE WORK



(Photo Credit: U.S. Army photo by Pvt. Gabriel Silva)

## DEFENSE SYSTEMS DOMAIN

### DEFENSE SYSTEMS PARTNERS ON HOVERBIKE CONCEPT

*Summary of Effort:* DSIAC prototyped a Malloy Aeronautics Tactical Reconnaissance Vehicle concept to validate performance metrics of the full scale hoverbike concept. The success of this demonstration resulted in starting a Navy program of record: the Unmanned Logistics System-Air as part of the Navy Small Tactical UAS Program Office. Further technical development continues today, and the Army has a goal of transitioning the technology as an autonomous resupply program of record.



(Photo Credit: GettyImage/Justin Sullivan)

### NEXT GENERATION WARFIGHTER

*Summary of Effort:* Army Combat Capabilities Development Command C5ISR (Command, Control, Computers Communications, Cyber, Intelligence, Surveillance and Reconnaissance) Center developed a soldier-borne system for line of sight tracking and mapping in GPS-denied environments. Fusing the Next Generation Warfighter system with the MS HoloLens.





(Photo Credit: GettyImage/John Moore)

## HOMELAND DEFENSE DOMAIN

### *HOMELAND DEFENSE PROCESS IMPROVEMENTS EXPEDITE SOUTHERN BORDER THREAT ASSESSMENTS*

*Summary of Effort:* USNORTH Provost Marshal/Protection Directorate provides coordinated criminal threat information to support Customs and Border Protection operations along the southern US border. This effort streamlined existing processes, leading to faster development of criminal threat products and increased effectiveness of force protection efforts as a whole Homeland defense.

### *BIOMETRIC CAPTURE METHODS TO SUPPORT SOF*

*Summary of Effort:* Analysis was conducted of technologies and traditional biometric capture methods to identify and integrate new tools to support the United States Special Operations Command (USSOCOM) Special Operations Forces (SOF) mission.



(Photo Credit: U.S. Army photo by Sgt. Michael J. MacLeod)

# CYBERSECURITY DOMAIN

## DOD CYBERSECURITY ANALYSIS AND REVIEW (DODCAR) PROLIFERATION

*Summary of Effort:* As cybersecurity compliance requirements continue to grow in quantity and complexity, security goals/objectives tend to shift to a compliance-based focus. One of the observed results from a recent OMB report states “Agencies continue to allocate their limited cyber funding to acquire single point solutions to provide capabilities for perceived security gaps, rather than allocating funds to address gaps that threat actors are actually exposing.” In response, our team developed a five-day training workshop to address the OMB report which:

- Educated users on the NSA/CSS Technical Cyber Threat Framework and DoDCAR fundamentals
- Trained participants to employ this strategy within the context of NIST's Cybersecurity Framework
- Provided first-hand experience performing a real-world DoDCAR analysis; and
- Introduced the DoDCAR NextGen software tool and walked class participants through analysis-based training exercises



## SPECIAL OPERATIONS TECHNICAL CAPABILITIES PLATFORM

*Summary of Effort:* USSOCOM required an advanced analytical capability that is capable of receiving, storing and processing mission data at the same speed as their special operations teams are accustomed to working – the result of this effort is the development of a Cyber Data Operations Capability (CDOC). This CDOC enhances collaborative, real-time decision-making, and enables the integration of hardware, software, cloud computing, data sources, and advanced analytics, without sacrificing data security.

# CONTRIBUTIONS TO USD(R&E) MODERNIZATION PRIORITIES

For the last seven decades, the DoD IAC has consistently provided expertise to the nation's toughest R&D challenges. We have brought speed and agility to meet urgent warfighter needs and provided greater benefit to the S&T community at large by continually facilitating exchange, reuse, and innovative application of existing STI. The DoD IAC program has evolved and kept up with the pace of the rapidly evolving S&T landscape by anticipating and responding to customer needs shaped by technological, political, and cultural changes.

The DoD IAC services support **22 Technical Focus Areas**, aligned to **USD(R&E)'s Modernization Priorities**.

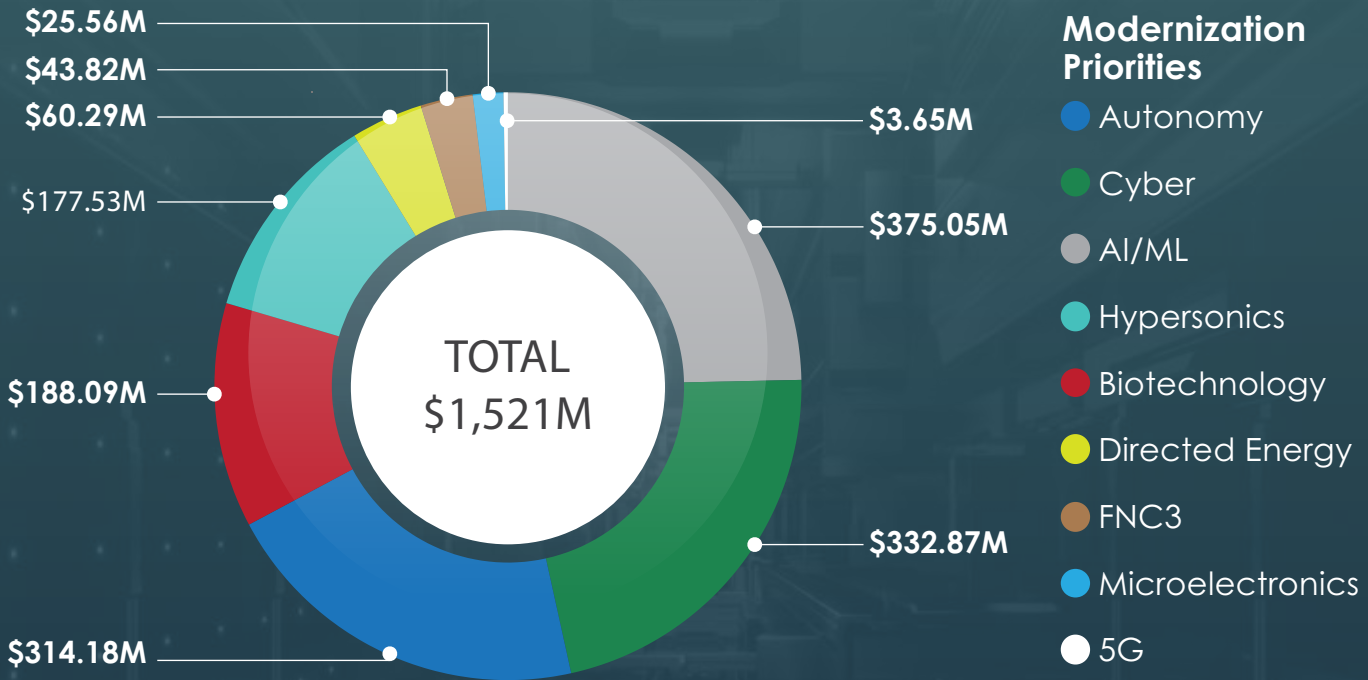
IAC work is designed to **advance technical superiority** in response to existing and emerging priorities.



**MODERNIZATION PRIORITIES:** QUANTUM SCIENCE, 5G, FNC3 (FULLY NETWORKED COMMAND, CONTROL, AND COMMUNICATIONS), DIRECTED ENERGY, AUTONOMY, HYPERSONICS, AI/ML (ARTIFICIAL INTELLIGENCE/MACHINE LEARNING), CYBER, BIOTECHNOLOGY, MICROELECTRONICS, SPACE

# CONTRIBUTIONS TO USD(R&E) BY THE NUMBERS

Since 2018, the IAC program has awarded over \$1.5B in R&D support across the following USD(R&E) Modernization Priorities:



The figure below illustrates the IAC awarded ceiling by Service/Agency across the Modernization Priorities shown above:



# CONTRIBUTIONS TO USD(R&E)

## INNOVATIVE WORK



### FNC3 (FULLY NETWORKED COMMAND, CONTROL, AND COMMUNICATIONS)

#### **United States Navy, NAVAIR PMA-209**

*Summary of Effort:* A redesign of the Mobile User Objective System (MUOS) feature in AN/ARC-210 was developed for combat aircraft to enable recording multiple loadsets versus a single loadsets allowing combat aircraft to quickly network and communicate.



### Machine Learning and Autonomy

#### **Sandia National Laboratories, Weapon Security & Computer Science Programs**

*Summary of Effort:* Research was conducted to develop autonomous object recognition systems, focusing on the integration of synthetic data and artificial scenarios for use in the development of defense-related sensor and imaging technologies.



### Machine Learning

#### **Air Force Research Lab (AFRL/CZ)**

*Summary of Effort:* In an effort to maintain asymmetric technological dominance over adversaries through 2030, the US Air Force collaborated with the S&T community, higher education and business professionals to explore innovative solutions to meet future technical challenges. The result of this horizon-scanning cooperation was the identification of disruptive innovative technologies capable of addressing AF warfighter challenges.



### Quantum

#### **Air Force Research Laboratory (AFRL/RI)**

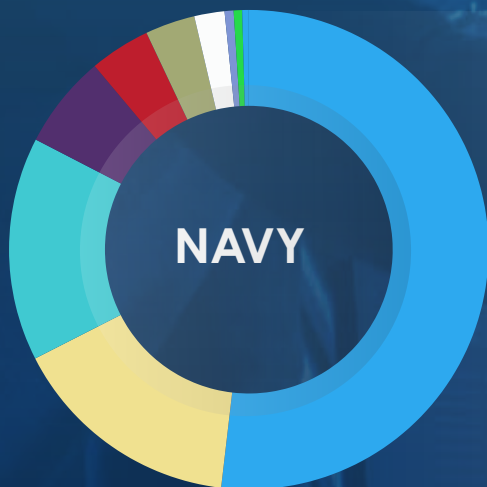
*Summary of Effort:* Analysis on improving the efficiency of information compression, transmission, and manipulation in the quantum realm was conducted using Quantum Algorithm Analysis (QAA). This leveraged AFRL's theoretical quantum interference research to experimentally pursue an entangled photon approach to quantum gates including cluster states, and Linear Optical Quantum Computing. Quantum simulation software was used to apply entanglement as a resource along with performance benchmarks to measure the benefits of utilizing this advanced technology in various scenarios such as communication systems and error correcting code design.

# WHO USES THE IAC

Top users of the IAC services available to the DoD and government in FY19.

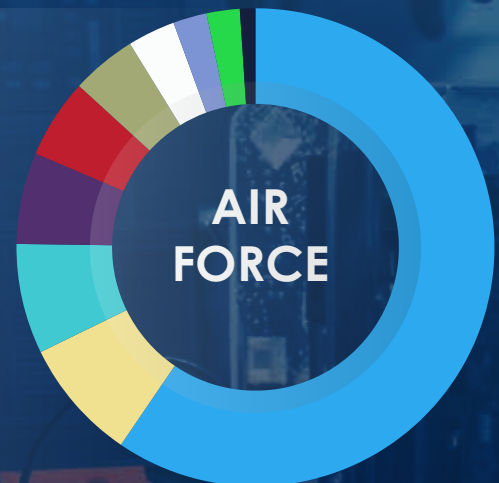
**“ The IAC’s flexibility and high level of support across its centers provided U.S. Pacific Fleet the ability to rapidly assess, develop, and implement solutions to complex problem sets confronting this theater of operation.”**

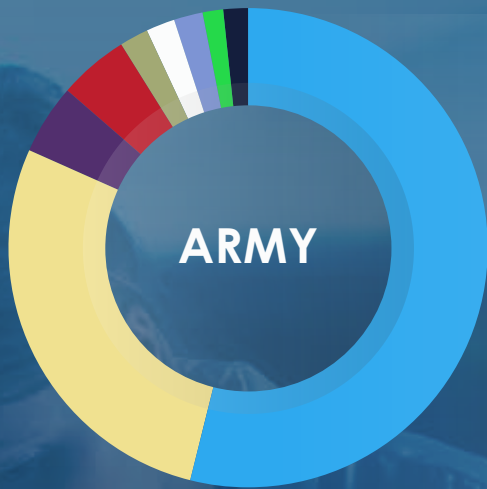
ANDREW PENG  
COMPACFLT, N55



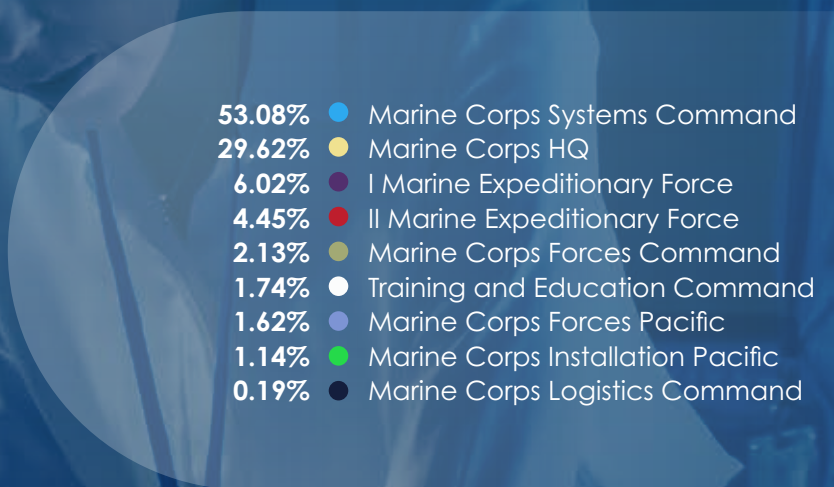
- 51.85% Naval Air Systems Command
- 16.10% US Fleet Forces Command
- 15.09% Naval Sea Systems Command
- 6.30% Space and Naval Warfare Systems Command
- 4.10% Chief of Naval Operations
- 3.36% Bureau of Medicine and Surgery
- 2.04% Office of Naval Research
- 0.61% Navy Reserve
- 0.57% Office of the Secretary of the Navy

- 59.52% Air Force Materiel Command
- 8.26% Air Force District of Washington
- 7.44% Air Combat Command
- 6.19% Office of the Secretary of the Air Force
- 5.37% Air National Guard
- 4.42% Air Education and Training Command
- 3.22% Air Mobility Command
- 2.28% Air Force Space Command
- 2.24% Pacific Air Forces
- 1.05% Air Force Reserve Command

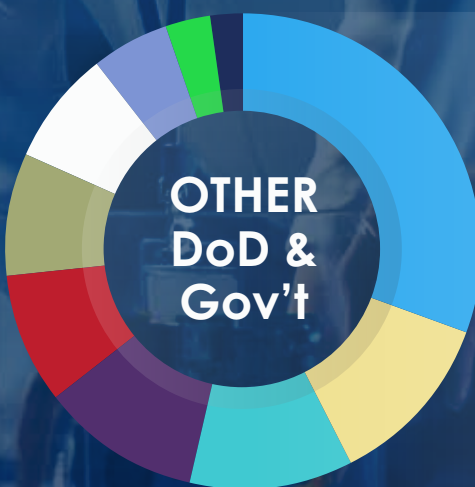
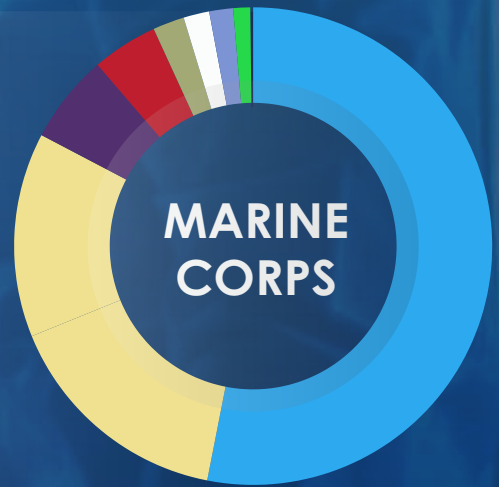




- 54.43% ● Assistant Secretary of the Army (Acquisition Logistics and Technology)
- 28.16% ● Army Materiel Command
- 4.76% ● US Army Corps of Engineers
- 3.76% ● US Army Acquisition Support Center
- 2.03% ● Office of the Secretary of the Army
- 2.00% ● US Army Pacific Command
- 1.77% ● US Army Criminal Investigation Command
- 1.57% ● Army National Guard
- 1.51% ● US Army Training and Doctrine Command



- 53.08% ● Marine Corps Systems Command
- 29.62% ● Marine Corps HQ
- 6.02% ● I Marine Expeditionary Force
- 4.45% ● II Marine Expeditionary Force
- 2.13% ● Marine Corps Forces Command
- 1.74% ● Training and Education Command
- 1.62% ● Marine Corps Forces Pacific
- 1.14% ● Marine Corps Installation Pacific
- 0.19% ● Marine Corps Logistics Command



- 30.79% ● Under Secretary of Defense for Research and Engineering, USD(R&E)
- 11.72% ● National Geospatial-Intelligence Agency (NGA)
- 11.14% ● Joint Chiefs of Staff
- 11.02% ● Defense Health Agency (DHA)
- 8.77% ● Missile Defense Agency (MDA)
- 8.50% ● Department of Homeland Security (DHS)
- 7.56% ● National Security Agency (NSA)
- 5.45% ● Defense Logistics Agency (DLA)
- 2.88% ● Under Secretary of Defense for Acquisition and Sustainment, USD(A&S)
- 2.17% ● Joint Special Operations Command

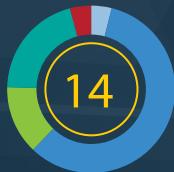
# FY19 SUMMARY

## IAC PRIME ACTIVITY

The DoD IAC Program is supported by a select group of prime contractors who are industry leaders in their respective fields and who have been competitively screened for placement as part of the IAC program.

Booz | Allen | Hamilton

\$655.9M



\$340.1M



ManTech

\$521.9M



PRESCIENTEDGE

\$61.9M



NORTHROP GRUMMAN

\$57.2M

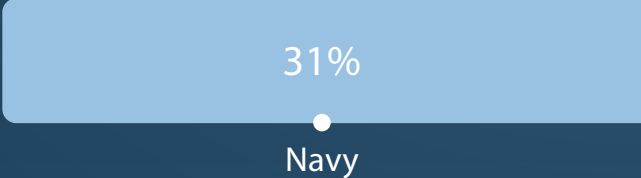


icet

\$56.0M



The graph to the right demonstrates the funding by Service and federal agencies.





Legend

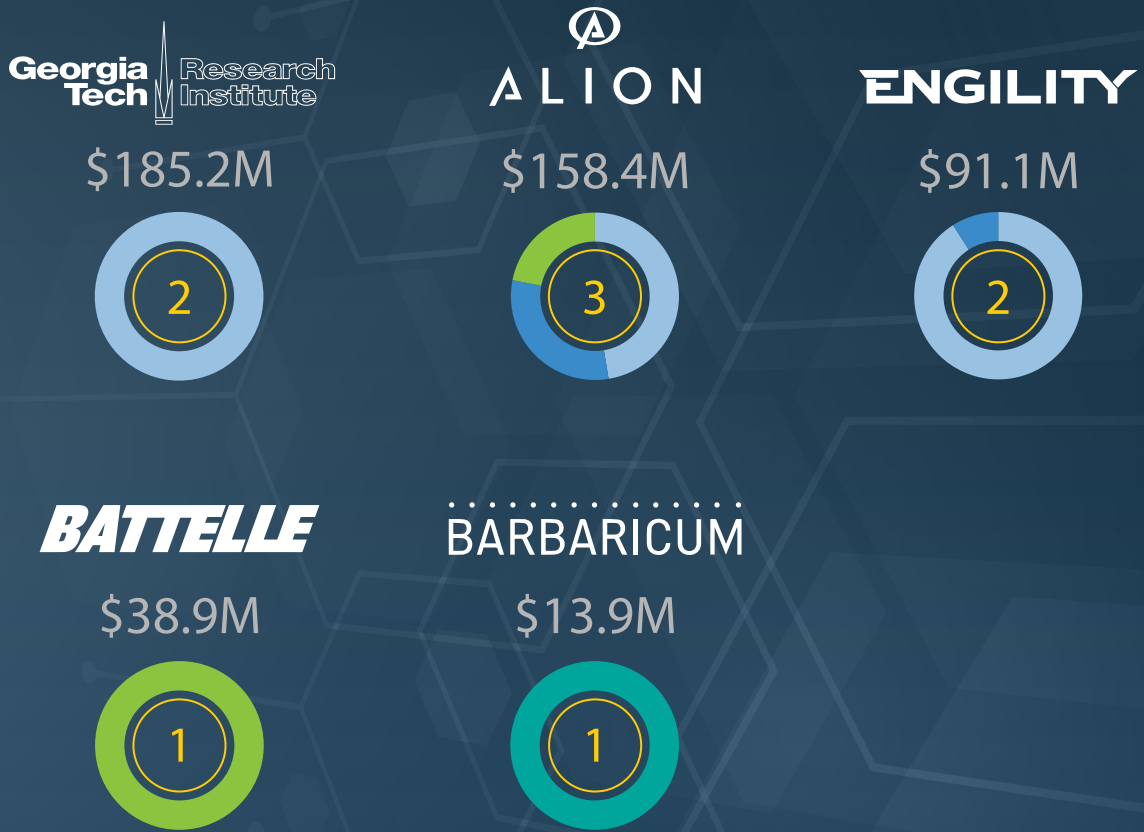
Percentage of awarded TO ceiling by service



\$ — Total Awarded Ceiling FY19

# — Number of awards

By competitively pre-screening prime contractors for a contract with the IAC program, we ensure government users of the IACs get the best performers ensuring the risk of non-performance is removed.



Air Force

24%

Other DoD

11%

Other Gov't

5%

Army

22%

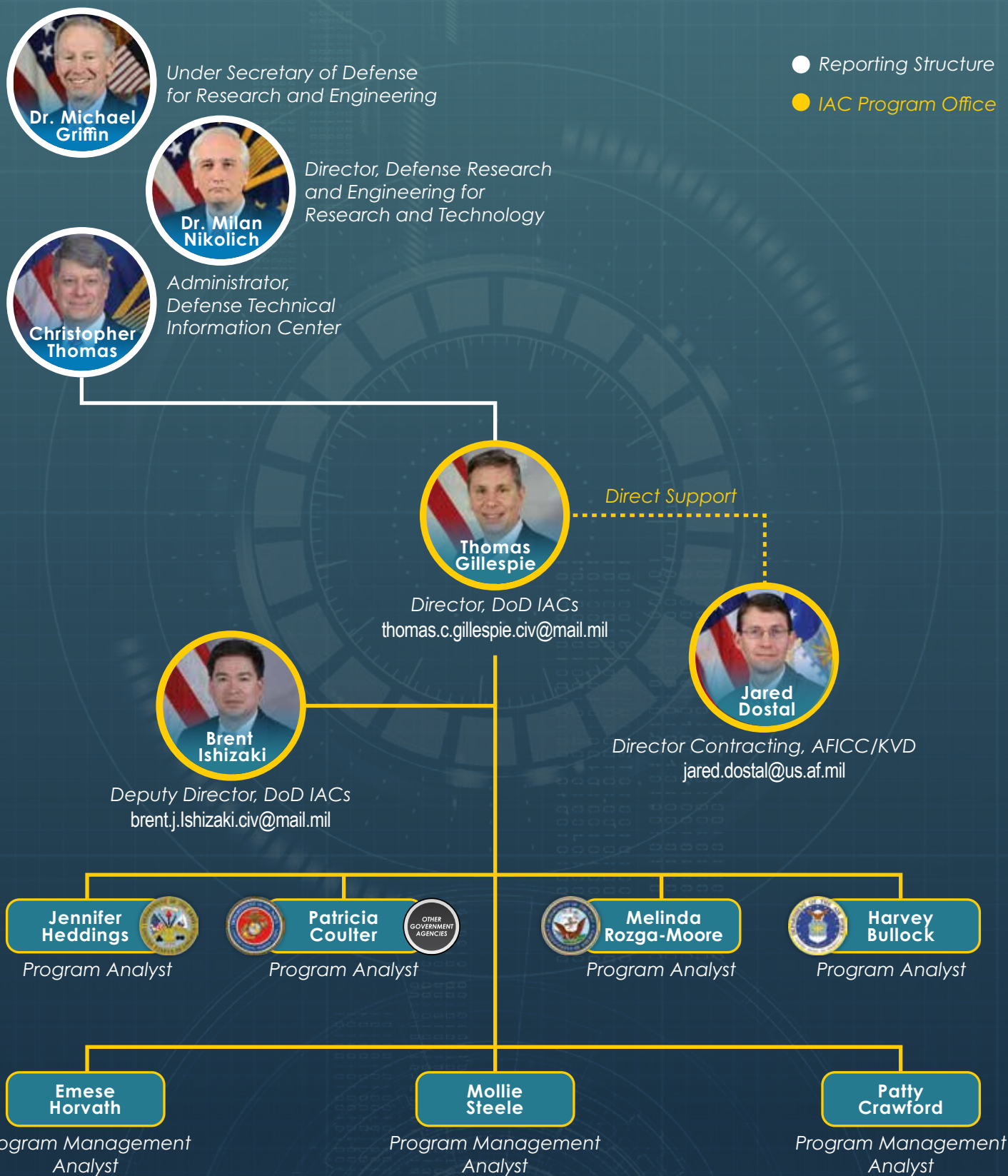
Marine Corps

7%

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

# IAC PROGRAM OFFICE & REPORTING STRUCTURE

- Reporting Structure
- IAC Program Office



# CONTACT THE IACS

Have a question about ongoing IAC MAC task order work?



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Have a technical question?

**Visit us at:**

<https://www.csiac.org/services/submit-a-technical-inquiry/>

**or email Patty Crawford at:**  
patricia.a.crawford6.civ@mail.mil



**Visit us at:**

<https://www.dsiac.org/services/technical-inquiries>

**or email Emese Horvath at:**  
emese.i.horvath.civ@mail.mil



**Visit us at:**

<https://www.hdiac.org/services/submit-a-technical-inquiry/>

**or email Mollie Steele at:**  
mollie.s.steele.civ@mail.mil



Have a Research and Development project you need to get started on?

**To get started contact the CSC at:**  
dtic.belvoir.iac.mbx.csc@mail.mil

**To talk to a government representative contact below:**



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