

DEFENSE TECHNICAL INFORMATION CENTER

2012 DTIC Conference

Connecting Lab Research with the Warfighter

March 27-28, 2012

Information Analysis Centers

DTIC Conference

27 March 2012

**Mr. Terry Heston, Program Manager,
DoD Information Analysis Centers**

Los Angeles Times
THE WALL STREET JOURNAL.



TIME

The New York Times
The Washington Post



Today's Uncomfortable Reality

Headline	Source	Date
<i>Pentagon Says Projected Spending Cuts Could Undermine Security</i>	<i>Los Angeles Times</i>	<i>4 August 2011</i>
<i>Panetta Sounds Alarm on Threat of Pentagon Budget Cuts</i>	<i>The New York Times</i>	<i>3 August 2011</i>
<i>Defense Spending on the Chopping Block</i>	<i>Washington Post</i>	<i>12 November 2011</i>
<i>Defense Budgets: Are Deeper Cuts on the Horizon?</i>	<i>The Wall Street Journal</i>	<i>26 July 2011</i>
<i>Debt Deal Could Cut Defense \$900B Over Next Decade</i>	<i>USA Today</i>	<i>16 August 2011</i>
<i>Pentagon Could See Deep Cuts in Debt Deal</i>	<i>NPR.org</i>	<i>25 August 2011</i>
<i>Incoming! More Defense Spending Cuts</i>	<i>Time Magazine</i>	<i>15 July 2011</i>



The Department's Acquisition Directive: "Do More Without More"

– Ash Carter, Deputy Secretary of Defense (former Under Secretary of Defense for Acquisition, Technology and Logistics (AT&L))



GAO

Accountability ★ Integrity ★ Reliability

GAO Report (March 2011)*—
“Reducing or eliminating duplication, overlap, or fragmentation could potentially **save billions of tax dollars annually** and help agencies provide more efficient and effective services.”

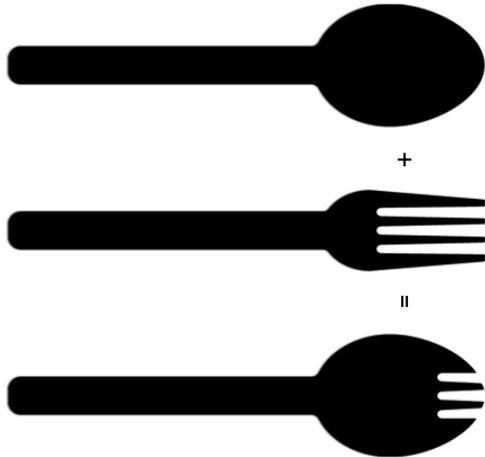
**GAO Report: Opportunities to Reduce Potential Duplication in Government Programs, Save Tax Dollars, and Enhance Revenue (March 2011)*





Question

How do you “do more without more” AND eliminate duplication and overlap of efforts?



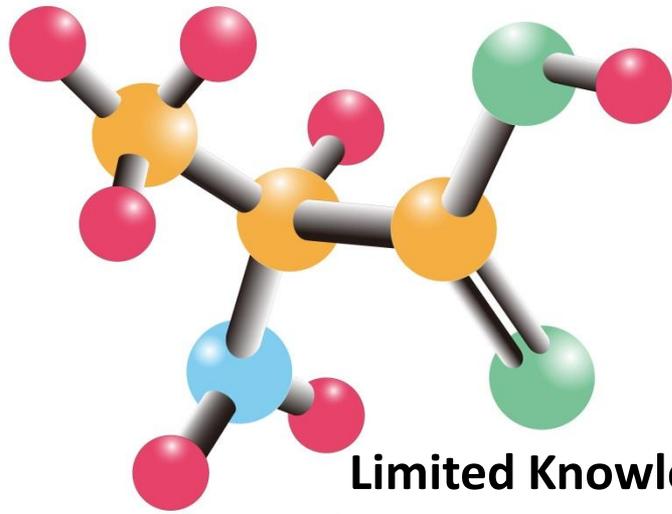
Answer

The Information Analysis Center (IAC) Program

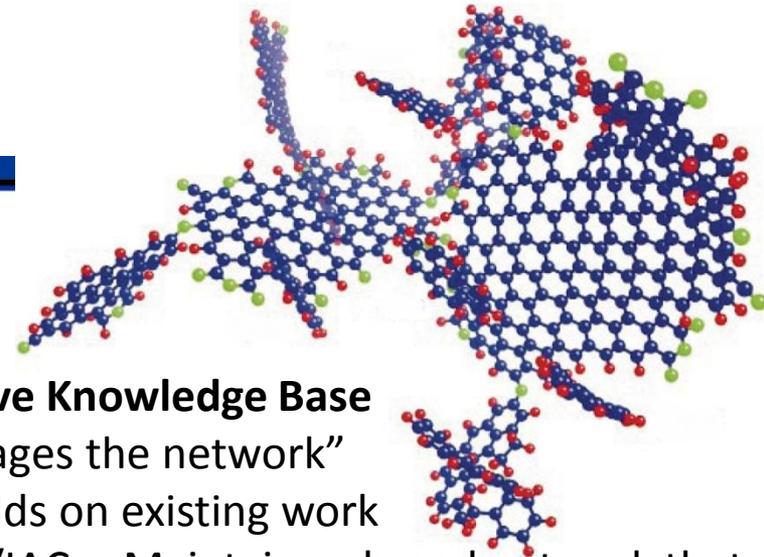


Traditional Contracts

IAC Contracts



Limited Knowledge Base
(Internal and Sub-contract)

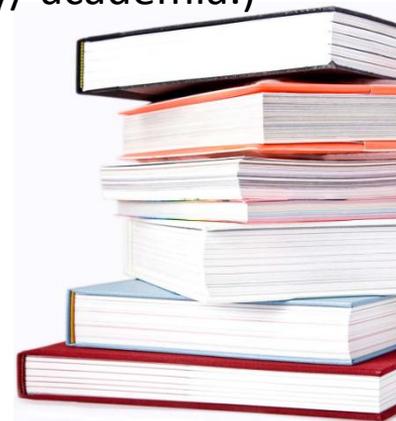


Extensive Knowledge Base
("Leverages the network"
and builds on existing work
at DTIC/IACs. Maintains a broad network that
spans government/industry/ academia.)



**Deliverables Flow ONLY to
Customer**
(Usually unavailable to others)

Deliverables Flow to DTIC
(Become available to the
broadest possible audience for
reuse. The IAC Process
requires each effort to build
on this historical foundation.)



Best Case Scenario: Information is reused
within the company or program.

Best Case Scenario: Information is reused
across the government (including
contractors).



“Information is the only commodity that increases in value the more it’s used.”

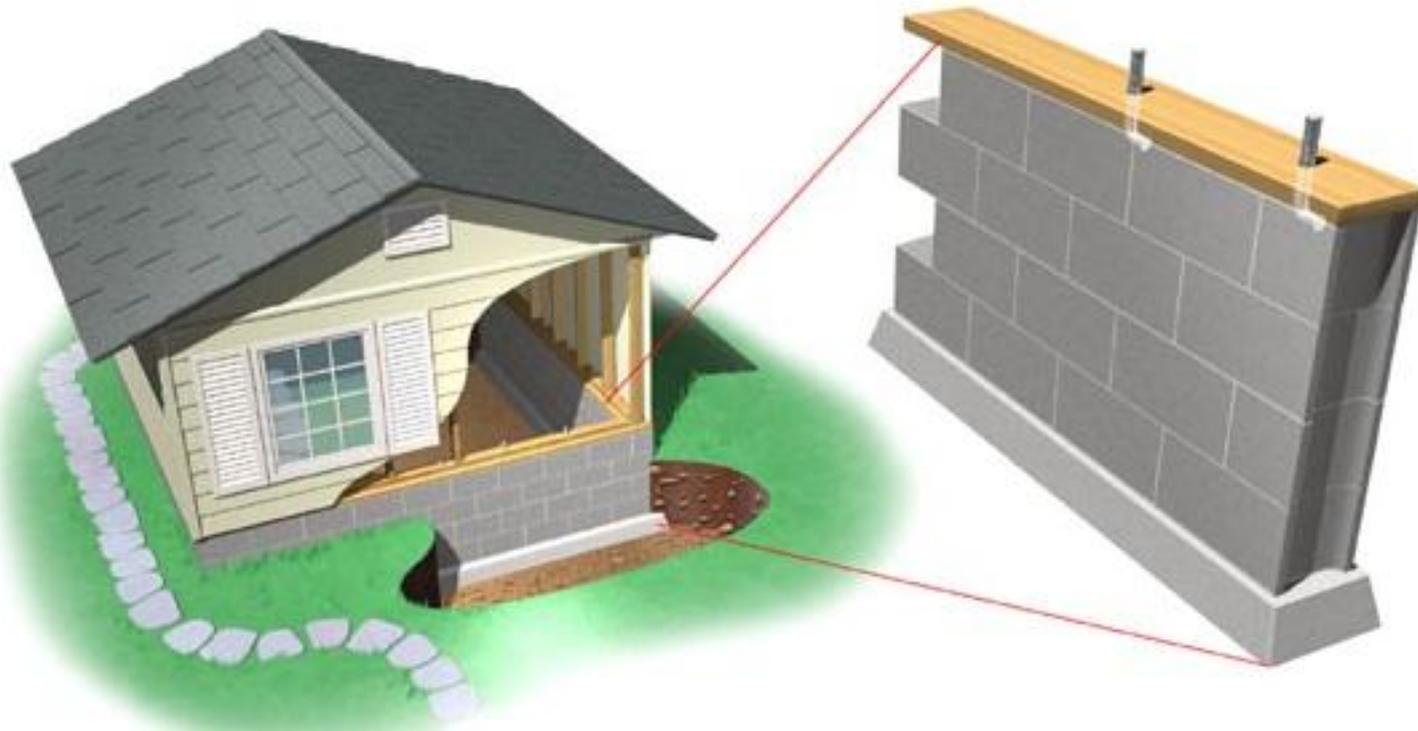
-IAC Program Management

The IAC business model ensures that historical information is reused and enhanced with each new effort.



IAC Model

BCOs Serve as Foundation for TATs



- Interdependence between “Core” and TATs defined in DoD guidance
 - DoD Instruction 3200.14 establishes IACs to provide Core and Additional Tasks Technical Area Tasks (TATs)
 - BCO^{*} /Core establishes knowledge base in areas of strategic importance
 - Intent of TATs is to leverage Core knowledge base to increase efficiency and effectiveness

* Basic Center Operations



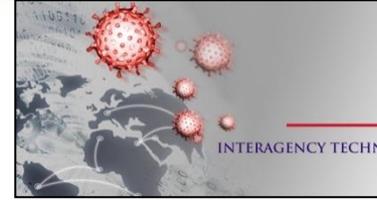
Data to Decisions

Developing a Community of Practice



CBRNIAAC
FORUM

BIOLOGICAL DECONTAMINATION
SEPTEMBER 29, 2010

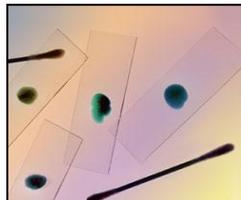


CBRNIAAC
FORUM

INTERAGENCY TECHNICAL FORUM ON BIOSURVEILLANCE INFORMATION
20 JULY 2011



CBRNIAAC
TECHNICAL FORUMS



CBRNIAAC
FORUM

BIOFORENSICS RESOURCES AND REPOSITORIES
31 MARCH 2010



CBRNIAAC
FORUM

FOOD PROTECTION FROM RAD THREATS
FEBRUARY 15, 2011



Data to Decisions

Information Products for Operational Users

SOAR
Software Security Assurance (SSA)
Version 1.0

The Insider Threat

Software Security Assurance

IATAE OIGS

The Insider Threat

Security Risk Management for the Off-the-Shell (OTS) Information and Communications Technology (ICT) Supply Chain

Build and Operate a Trusted GIG

Cyber, Identity & Information Assurance (CIIA) Related Policies and Issuances
Developed by DODIG/CIAT
Last Updated: January 21, 2011

Category	Policy/Issuance	Effective Date	Responsible Agency
GENERAL POLICIES	1.1 Lead and Govern		
	2.1 Social Media Terms		
	3.1 Unreleased Information		
	4.1 Device and Mobile Trust		
POLICIES, STANDARDS, & PROCEDURES	3.2 Prevent and Detect Attacks		
	3.3 Prevent and Detect Malware		
	4.2 Strengthen Cyber Postures		
	4.3 Incident Response		
OPERATIONAL POLICIES	5.1 Incident Response		
	5.2 Incident Response		
	5.3 Incident Response		
	5.4 Incident Response		

ADDITIONAL POLICIES

- 6.1 Information Security
- 6.2 Information Security
- 6.3 Information Security
- 6.4 Information Security
- 6.5 Information Security
- 6.6 Information Security
- 6.7 Information Security
- 6.8 Information Security
- 6.9 Information Security
- 6.10 Information Security

DISCLAIMER

This chart provides a summary of the policies and issuances that apply to the GIG. It is not intended to be a substitute for the full text of the policies and issuances. For the most current information, please refer to the full text of the policies and issuances on the DoD IG website.

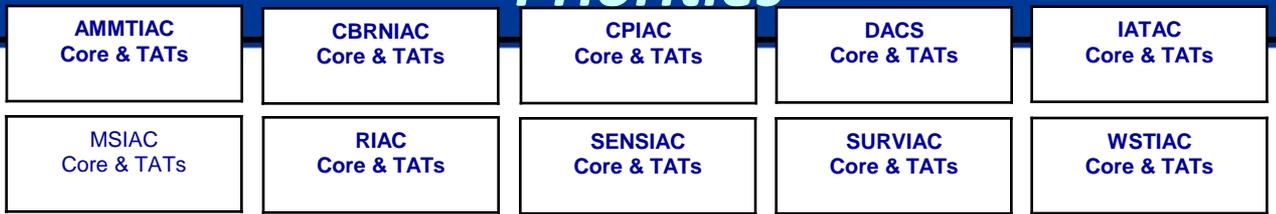


IAC Program Way-Ahead

Scale Back IAC Overhead / Align with New Priorities

Current Structure

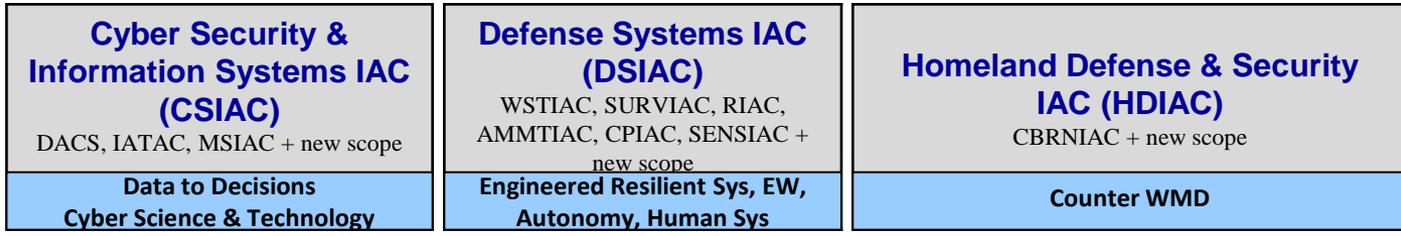
10 Single-award IDIQ contracts for all requirements for each IAC



Way-Ahead

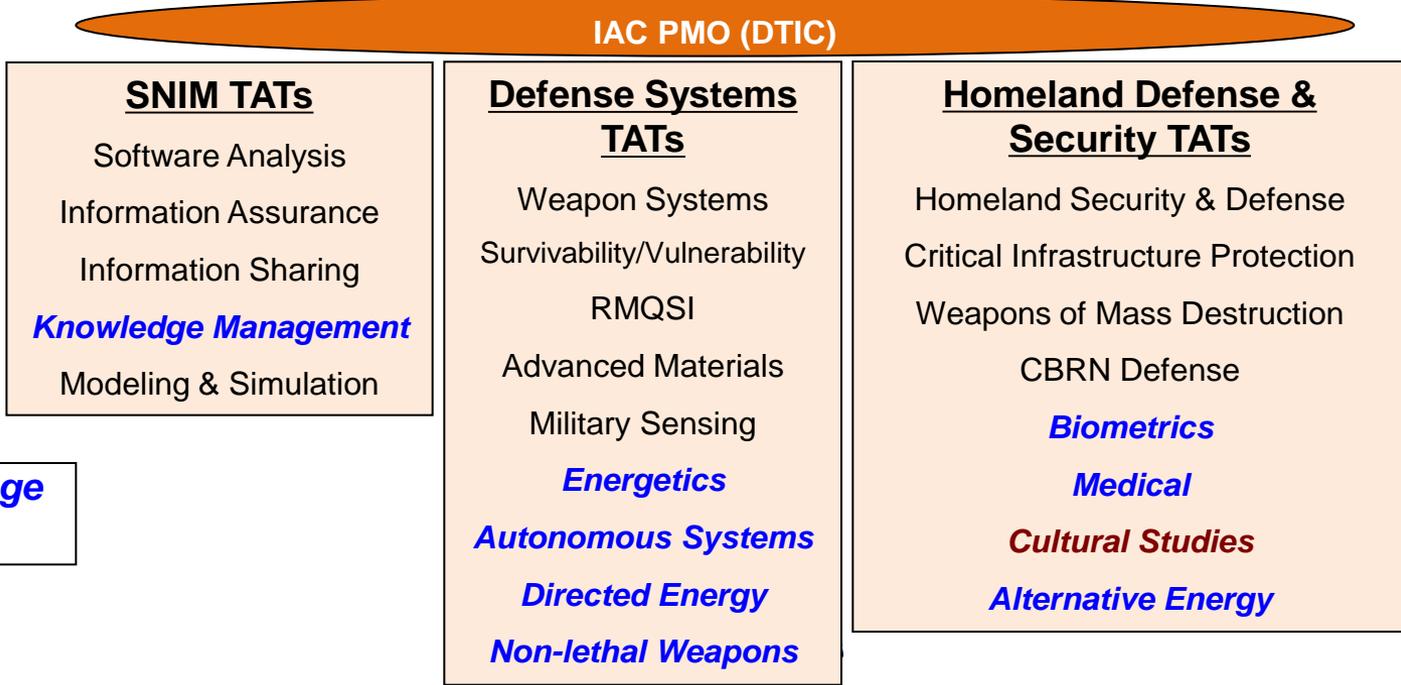
3 Single-award contracts for the IAC Core (BCO)

S&T Priorities Mapping:



3 Multiple-award IDIQ contracts for TATs

Some existing coverage
New Area for IACs





“We need to strengthen small businesses, which are the backbone of our economy and critical to job creation and sustained economic growth... Expanding contracting opportunities with the Federal Government is one of the most powerful small business development tools we can utilize.”

President Obama on Small Business

<http://www.whitehouse.gov/economy/jobs/supporting-small-businesses>



“I can’t keep buying stuff at the prices I paid in the past.”

Maj. Gen. Wendy Masiello
Deputy Assistant Secretary for Contracting
United States Air Force



Acquisition Planning

Acquisition Cycle Times

	Jun 2012	Dec 2012	Jun 2013	Dec 2013	Jun 2014
Cyber Security BCO (DACS, IATAC, MSIAC)	CSIAC BCO (Estimated 7/12 – 7/17)				
Homeland Defense BCO (CBRNIAC + new scope)	HDIAC BCO (Estimated 1/13 – 1/18)				
Defense Systems BCO (AMMTIAC, CPIAC, RIAC, SENSIIAC, SURVIAC, WSTIAC)	DSIAC BCO (Est. 10/13 – 10/18)				
SNIM TATs Multiple Award IDIQ	Awarded May 2010 (\$2B Ceiling)				
Homeland Defense TATs Multiple Award IDIQ	Est. Award 10/13 (\$900M)				
Defense Systems TATs Multiple Award IDIQ	Est. Award 1/14 (\$3B)				

Acquisition Process New Contract

Software, Networks, Information, Modeling and Simulation (SNIM) Overview:

A best-in-class contract vehicle for R&D and R&D related A&AS efforts

What is SNIM: SNIM (Software, Networks, Information, Modeling and Simulation Technical Area Tasks (TATs)) is an Indefinite Delivery Indefinite Quantity (IDIQ) focused on the areas of:

Information Assurance

- Defense Information Operations
- Information Warfare Technologies

Knowledge Management and Information Sharing

- DoD-related SNIM conference, symposia, workshops
- Technical coordination and information services

Software Data and Analysis

- Software Technology
- Software Engineering
- Software Development

Modeling and Simulation

- Modeling and Simulation Policy
- Modeling and Simulation Practices
- Emerging Technologies

Contract Quick Facts: Type: IDIQ **Ceiling:** \$2B **Min TO:** \$2,500

Term: 5 yrs (1 Base + 4 1 yr options) **Customer Shared Direct Cost Rate:** 0.7%

http://iac.dtic.mil/financial_mgmt.html

Available Contractors: Nine prime contractors and hundreds of subcontractors possess the diverse capabilities and experiences to meet your mission needs.

Prime SNIM Contractors

- [Alion Science and Technology Corporation \(Alion\)](#)
- [Applied Research Associates, Inc \(ARA\)](#)
- [Battelle Memorial Institute \(Battelle\)](#)
- [Booz Allen Hamilton Inc. \(BAH\)](#)
- [ITT Corporation \(ITT\)](#)
- [L3 Communications, Inc. \(L3\)](#)
- [MacAulay Brown, Inc. \(MacB\)](#)
- [Science Applications International Corporation \(SAIC\)](#)
- [Wyle Laboratories, Inc. \(Wyle\)](#)

Quality, Speed and Ease of Use:

SNIM contractors represent the best and brightest from both industry and academia. SNIM was developed through a careful analysis of other top contracts and incorporates the best tools, techniques, and processes that simplify and speed up your contracting experience. Our average PALT is less than 75 days.

Ready to start using SNIM?

Our DTIC Customer Support Cell is on hand and ready to assist you with your requirements and walk you through the process. Learn more about SNIM and other IAC offerings at

<http://iac.dtic.mil/snim>

Value to the DoD Community: Customers who utilize SNIM, part of the Information Analysis Center (IAC) program, are able to save federal dollars by not duplicating work that's already been performed while simultaneously strengthening the scientific community by adding new STI for others to use.

The IAC Program Serves: As a bridge between the Warfighter and the acquisition community and is recognized as an "essential value-added resource for the acquisition community" by one of the world's international bipartisan policy institutions. The IACs currently provide support to all 9 Combatant Commands (COCOMS) with over 100 researchers deployed for "in theater" support.

Current SNIM Users: NAVAIR, STRATCOM, USAF Nuclear Weapons Center, AFRL, and the US Army Corps of Engineers



Bringing the
THINK TANK
to the Battlespace



IAC Program

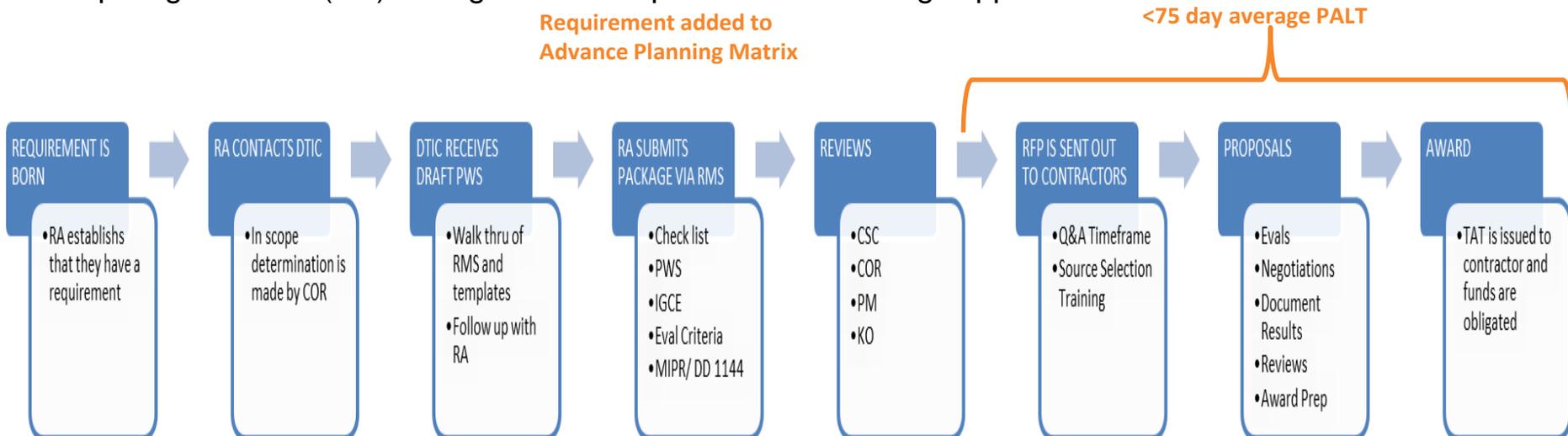
Multiple Award TAT Contracts

The Software Data and Analysis, Information Assurance, Knowledge Management & Information Sharing, and Modeling & Simulation (SNIM) contract was the first multiple-award IDIQ contract for the IAC Program Office. The SNIM contract was awarded 24 May 2010, consists of 9 industry leading contractors, and has a \$2 billion ceiling. SNIM also offers the flexibility to utilize:

- *CPFF or FFP type task orders*
- *LPTA or Trade-Off method for source selection*
- *Incremental funding*

SNIM was awarded in conjunction with and oversight of the Air Force PEO/CM. SNIM was also the first AF contract over \$1 billion to go through the DPAP approval and peer review process.

SNIM is quick and easy-to-use: tools, templates, and a dedicated Customer Support Cell (CSC) assist Requiring Activities (RA) through the entire process of obtaining support from an IAC.





IAC Value Proposition

Leveraging Research for Operational Application

- IACs are a valuable resource for accessing evaluated STI culled from efforts to solve new and historic challenges
 - Integrate knowledge base and customer-funded work to provide increased value in a time of shrinking budgets and growing requirements
 - Provide tactical relevance by responding to an immediate need
 - Develop strategic capabilities by analyzing trends and recommending improvements to the acquisition community
- IACs are actively contributing to achieving ASD(R&E) imperatives
 - Focused on reducing development cycle, by building on existing knowledge base
 - Minimize unknowns by building a community of knowledge
 - Reduce cost and risk by identifying and applying lessons learned
 - Directly contribute to STEM through collaboration with academia
- IACs are integrated in research communities
 - Composed of scientists and engineers
 - Closely connected to DoD labs
 - Reach across government, industry, and academia
- IACs are directly contributing to solving immediate Warfighter needs
 - Currently supporting all 9 COCOMs
 - Technical Inquiry Service and TATs leverage knowledge base and information resources to respond to operational challenges
- New structure provides sustainable value
 - Alignment of BCO and TAT efforts
 - Governance role of DTIC as sponsor
 - IAC role in enabling efficiencies across DoD (“Better Buying Power”)



Innovation, Speed, Agility...

“We are in a period of remarkable change. Innovation, speed, and agility have taken on greater importance to our efforts given today’s globalized access to knowledge and the rapid pace of technology development.”

HON Zachary Lemnios, Assistant Secretary of
Defense for Research & Engineering

*Statement before the US House of Representatives
Committee on Armed Services, Subcommittee on
Emerging Threats and Capabilities, Mar 1, 2011*

- Evolving requirements necessitate innovation, speed, and agility
- IACs respond by providing:
 - Innovation through timely access to cutting-edge information
 - Speed through efficient contracts and reuse of existing information
 - Agility through close connection to technical community and forward-looking role of IAC PMO and BCO

Information Analysis Center (IAC) Overview:

“Think Tanks” focused on topics of strategic interest to DoD

Who We Are: The IACs are research and analysis organizations established by the DoD and managed by the Defense Technical Information Center (DTIC), to help researchers, engineers, scientists and program managers utilize existing Scientific and Technical Information (STI). IACs establish and maintain comprehensive knowledge bases that include historical, technical, scientific, and other data and information collected worldwide. IACs also work directly with customers on Technical Area Tasks (TATs), which yield new STI; this is added to one of the ten IACs, based on its technical focus.

Our Model: Invest in areas of strategic importance; invite others to build on that foundational knowledge base.

Where We Work: The IAC Program comprises over 5,700 scientists and engineers in 49 states (+ Korea and Germany).

Top States by Jobs Produced

- | | |
|-------------------|-----------------------------|
| 1. Virginia 1,578 | 6. Ohio 266 |
| 2. Maryland 1,043 | 7. Texas 249 |
| 3. Georgia 379 | 8. Michigan 193 |
| 4. Florida 307 | 9. District of Columbia 172 |
| 5. California 293 | 10. Hawaii 159 |

Total investment was **over \$1.9 billion** in Government Fiscal Year 2011; funds are utilized for military research and analysis, building knowledge for reuse by government, industry, and academia.

What We Do: Improve productivity of researchers, engineers, and program managers in the Defense research, development, and acquisition communities by collecting, analyzing, synthesizing, and disseminating worldwide STI in clearly defined, specialized fields or subject areas.

Who We Serve: IACs serve as a bridge between the Warfighter and the acquisition community. The IACs currently provide support to all 9 Combatant Commands (COCOMS) with over 100 researchers deployed for “in theater” support.

Value to the DoD Community: Customers who use the IAC program are able to save federal dollars by not duplicating work that’s already been performed while simultaneously strengthening the scientific community by adding new STI for others to use.

The IAC Program Serves as a bridge between the Warfighter and the acquisition community, and is recognized as an “essential value-added resource for the acquisition community” by one of the world’s preeminent bipartisan policy institutions. The IACs will consolidate from 10 centers into three centers in order to reduce overhead costs, while simultaneously expanding scope.

Examples of our Work: IED Defeat, MRAP Reliability, Helicopter Survivability



Bringing the
THINK TANK
to the Battlespace



Contact Information

Mr. Terry Heston, DTIC

703-767-9120

theaston@dtic.mil



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