

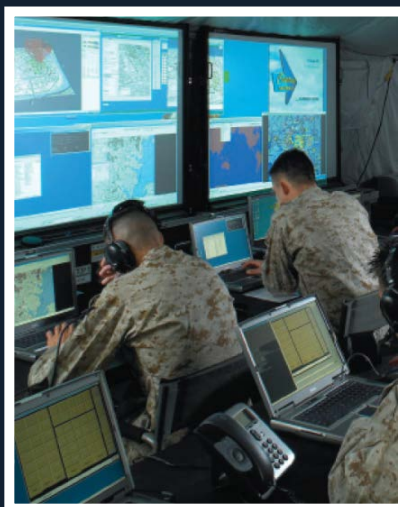


Defense Intelligence Information Enterprise (DI2E)

29 October 2014

Office of the Under Secretary of Defense for Intelligence

Dr. Nazanin Azizian



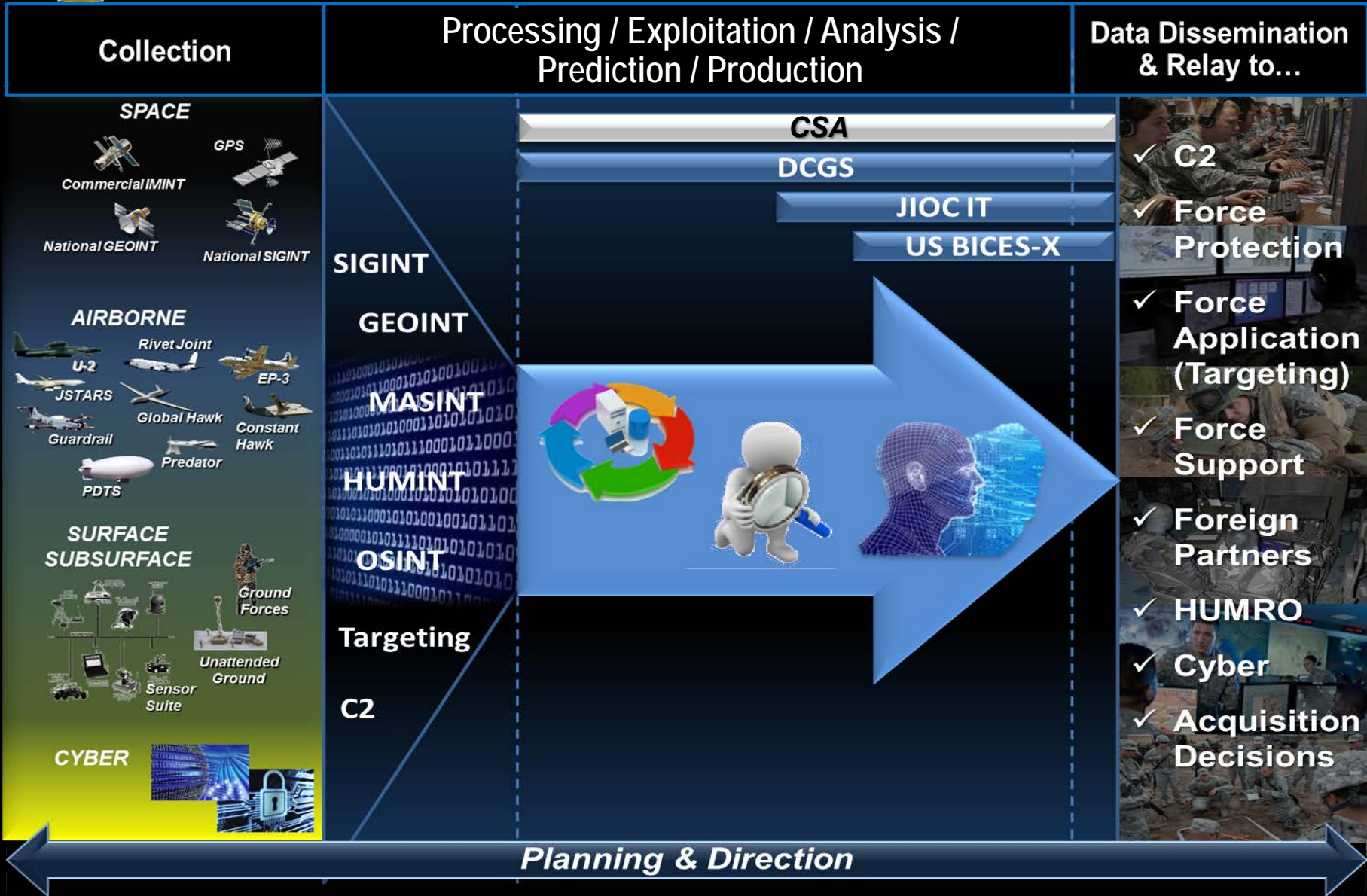


OFFICE OF THE UNDER SECRETARY OF DEFENSE FOR INTELLIGENCE

The Challenge... Example



The " Battlespace Awareness " Challenge





The DI2E is...

DI2E is the component of the Defense Intelligence Enterprise that:

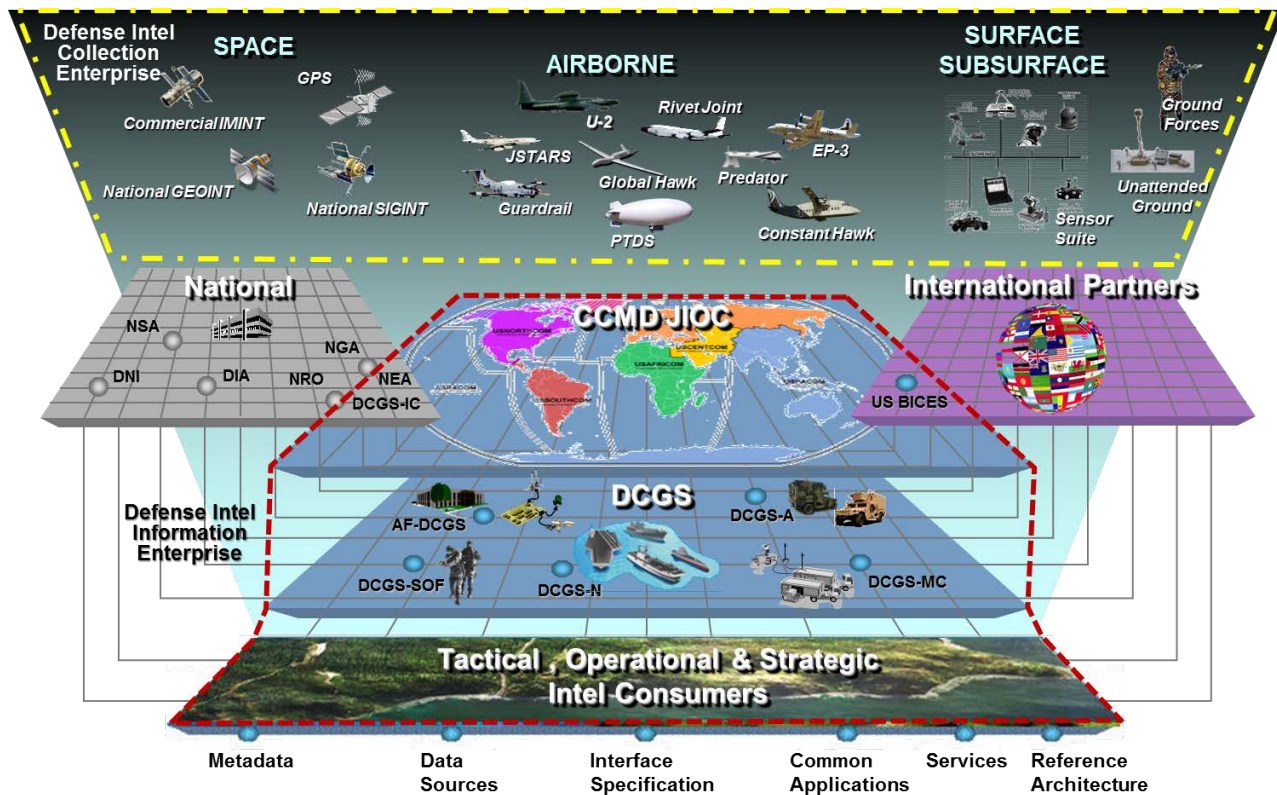
- Transforms information collected for intelligence needs into forms suitable for further analysis and action.
- Provides the ability to integrate, evaluate, interpret and predict the current and future operations/physical environment.
- Provides the ability to present, distribute or make available intelligence, information and environmental content and products that enable better situational awareness to military and national decision makers.

DI2E Includes...

- | | |
|--|--------------------------|
| • DCGS-A | • AF DCGS |
| • DCGS-N | • DCGS-MC |
| • DCGS-SOF | • DCGS-IC |
| • JIOC IT | • BICES |
| • Service Intel Centers
Enterprises | • CSA Enterprises |



Origin of DI2E



- 2008 - Defense Intelligence Strategy defined "Defense Intelligence Enterprise" (DIE)
- 2009 - Defense Intelligence Information Enterprise (DI2E) was coined to describe the *Information Component* of the DIE

"We must develop and deploy a cross-domain, global, integrated DIIE that interfaces seamlessly with the emerging intelligence community architecture, and incorporates important new capabilities."
 James R. Clapper, USD(I), 3 October 2009



DI2E Interrelationships



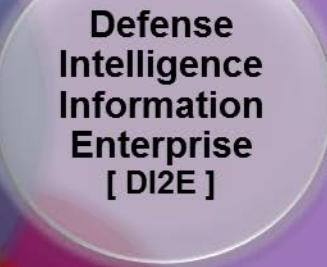
- DIA
- NSA
- NGA
- NRO
- CIA



- USA
- USN
- USAF
- USMC
- DIA
- NSA
- NGA
- NRO
- DISA
- DLA
- CCMD



- 5 Eyes
- NATO
- Coalition
- BiLats





DI2E Governance Structure



- Military Services
 - CSAs (Functional Managers) (GEOINT/SIGINT/MASINT/HUMINT)
 - DIA / J2
 - US BICES (IP)
- Focus
- DoD CIO / IC CIO / IP Collaboration
 - Framework Definition & Agreement
 - Validation/Verification Process
 - Metrics Development
 - Intelligence Mission Area Enterprise Architecture

- Military Services
 - US BICES (IP)
 - Acquisition
 - NSA
 - DIA (CCMDs)
 - NGA
 - SOCOM
- Focus
- Framework Implementation by PORs
 - Mission Architectures
 - Assessment / Experimentation & Demonstration Events
 - Metrics Gathering

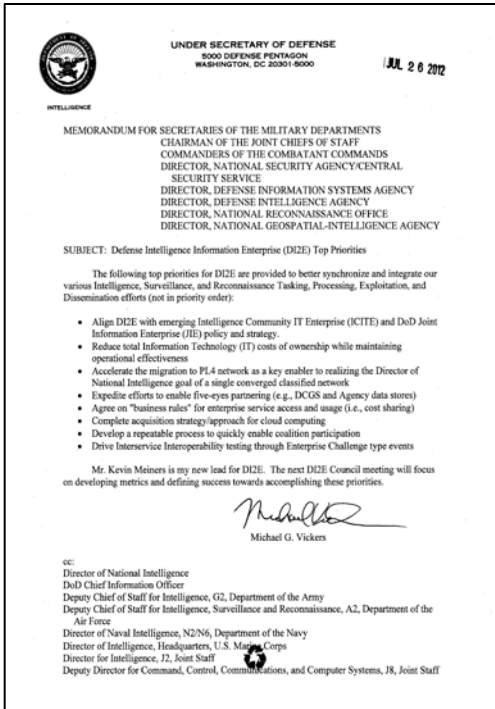
- BICES X
 - International Partners
 - Architecture / Framework Action Group Rep (as applicable)
 - Implementation Action Group Rep (as applicable)
- Focus
- Framework Interoperability with International Partners

Notes: DIA leads integration for the CCMDs

Effective Date: March 20, 2013



Strategy & Direction



USD(I) Memorandum dated 26 Jul 12

The following **top priorities for DI2E** are provided to better synchronize and integrate our various Intelligence, Surveillance, and Reconnaissance Tasking, Processing, Exploitation, and Dissemination efforts (not in priority order):

- Align DI2E with emerging Intelligence Community IT Enterprise (ICITE) and DoD Joint Information Enterprise (JIE) policy and strategy.
- Reduce total Information Technology (IT) costs of ownership while maintaining operational effectiveness
- Accelerate the migration to PL4 network as a key enabler to realizing the Director of National Intelligence goal of a single converged classified network
- Expedite efforts to enable five-eyes partnering (e.g., DCGS and Agency data stores)
- Agree on "business rules" for enterprise service access and usage (i.e., cost sharing)
- Complete acquisition strategy/approach for cloud computing
- Develop a repeatable process to quickly enable coalition participation
- Drive Interservice Interoperability testing through Enterprise Challenge type events

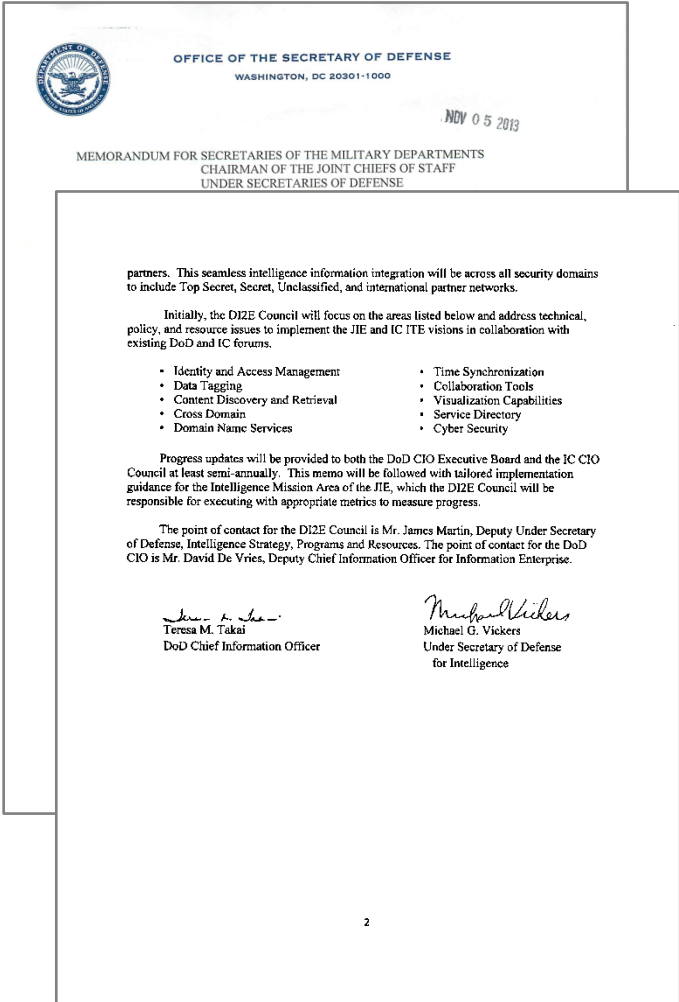
DUSD(ISP&R) is my new lead for DI2E. The next DI2E Council meeting will focus on developing metrics and defining success towards accomplishing these priorities.

The Above Guidance Remains Valid



Priority Touch Points

Date: November 5 2013
From: Teresa M. Takai, DoD CIO
Michael G. Vickers, USDI



“The DI2E Council will take the lead for the Department to ensure seamless integration of the intelligence information capabilities into both the JIE and the IC ITE by coordinating intelligence enterprise IT efforts across the DoD, IC, and with our international partners.”

Required to enable JIE & IC ITE Interoperability:

- Identity and Access Management
- Data Tagging
- Content Discovery and Retrieval
- Cross Domain
- Domain Name Services
- Time Synchronization
- Collaboration Tools
- Visualization Capabilities
- Service Discovery
- Cyber Security

DI2E Guiding Acquisition Principles



Use a Federated Approach that is Simultaneously Interoperable with JIE, IC ITE and select International Partners



Adopt JIE & IC ITE Services First and Vet Exceptions through the DI2E Council



Conform to a community-defined framework utilizing the DI2E “clearinghouse” established and monitored by the DI2E Council, and funded by USD(I)



Ensure that DI2E framework services are IT platform agnostic



The DI2E Framework is...

An agreed to set of building blocks for the Defense Intelligence Community to more efficiently, effectively and securely develop, deliver, and interface their mission-based architectures.

Focused on Interoperability - Convergence “When & Where it Makes Sense”

Standards and web service specifications are the key DI2E Framework building blocks.

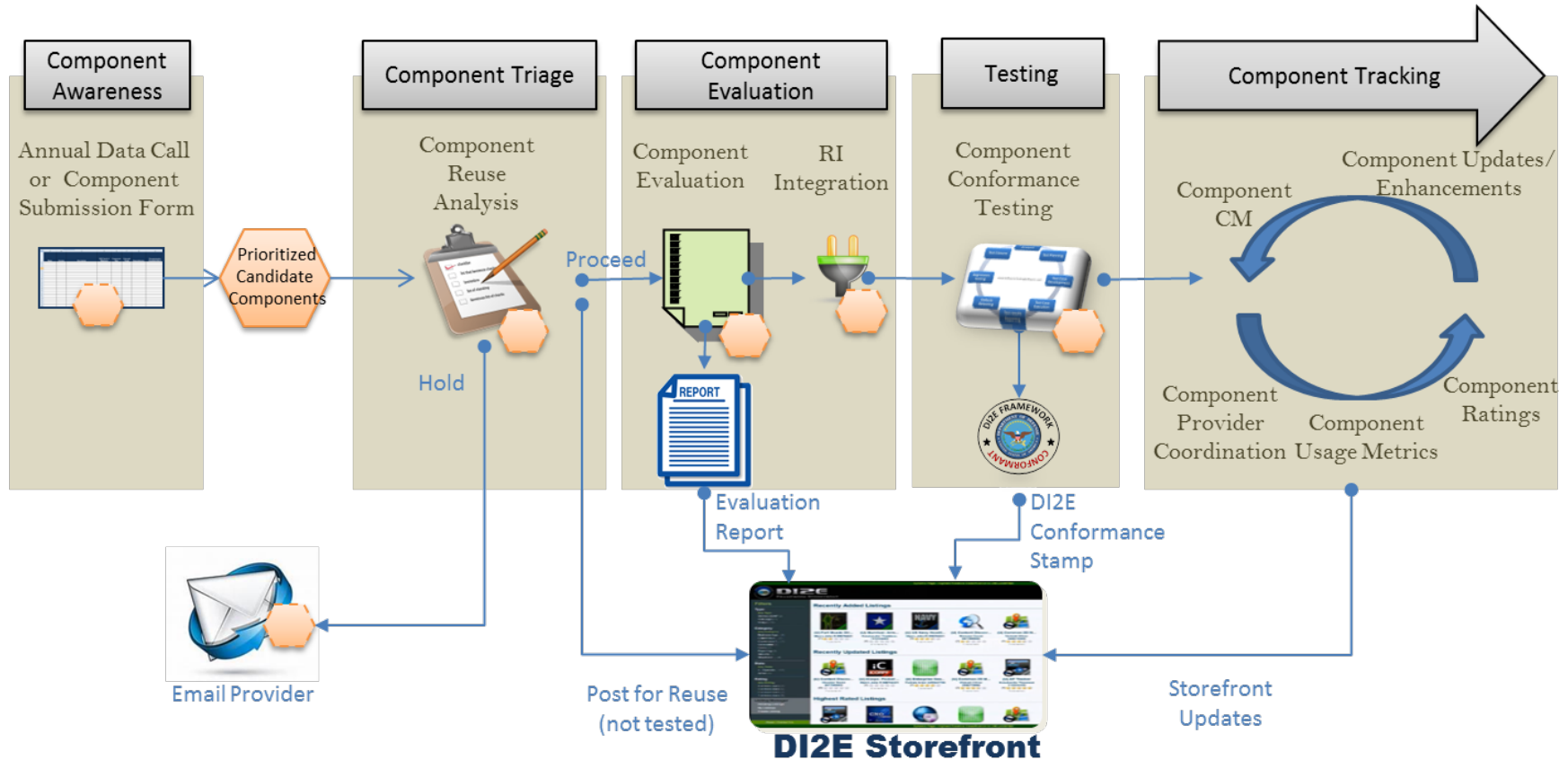
Resulting In...

- ✓ Reduced Cost
- ✓ Improved Interoperability
- ✓ Improved Mission Success
- ✓ Faster, More Responsive Delivery
- ✓ Improved Security
- ✓ Faster Adoption of Commercial IT



Capitalizing on the “Wisdom of Crowds”

DI2E Clearinghouse Process



Component Submission Form can be found at: https://www.intelink.gov/wiki/DI2E_Services_IPT
 To submit component form or for help, email: DI2EFrameworkInfo@di2e.net



Key Takeaways

- **We are focused on ...**
 - Teaming together at the technical, policy and leadership levels to build an effective, seamless Enterprise
 - Providing innovative solutions for our forces deployed in combat operations and addressing the challenges they face
 - Making the existing DI2E more Effective & Efficient
- **Services & Agencies maintain responsibility for**
 - Execution of their assigned missions
 - Implementation of the DI2E framework into their architecture and
 - Ensuring information flows freely across the enterprise
- **This is a Community Effort**





Questions

Important Links

DI2E Services IPT Intelink -U:

https://www.intelink.gov/wiki/DI2E_Services_IPT

DI2E Framework Intelink-U:

https://www.intelink.gov/wiki/DI2E_Framework

DI2E Storefront:

<https://storefront.di2e.net>

DI2E Developers Environment:

<https://devtools.di2e.net>

DI2E Framework Information Email:

DI2EFrameworkInfo@di2e.net

DI2E Framework Account Request:

Accounts@di2e.net