

DOD Enterprise Architecture Conference

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Action Officer,
Command, Control,
Communications and Computer
Systems (J-6)
The Joint Staff



GIG 2.0

GLOBAL INFORMATION GRID



ACHIEVE AND MAINTAIN THE INFORMATION ADVANTAGE
AS A CRITICAL ELEMENT OF NATIONAL POWER

***Global access to required data in order to achieve the
"Information Advantage"***



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Information Environment
Optimized for the Warfighter
Facilitates Force Integration

GIG 2.0

Tactical Edge



Global Authentication,
Access Control,
& Directory Services

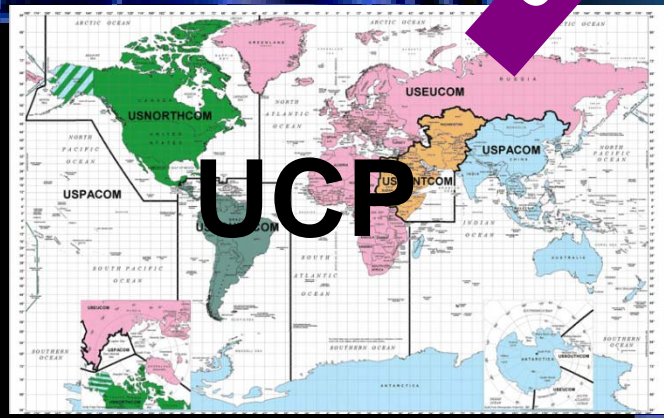
Information &
Services
"From the Edge"

Agility & Versatility of
the Information Environment
Supports Operational Reach &
Synergy of the Force

Joint
Infrastructure

Delivers the Information
Advantage that ensures
Freedom of Action

Unity of Command



Common Policies
& Standards

Access to Required Information
Anytime & Anywhere creating Faster
Decision Cycles



DoD, CJCS
& Services

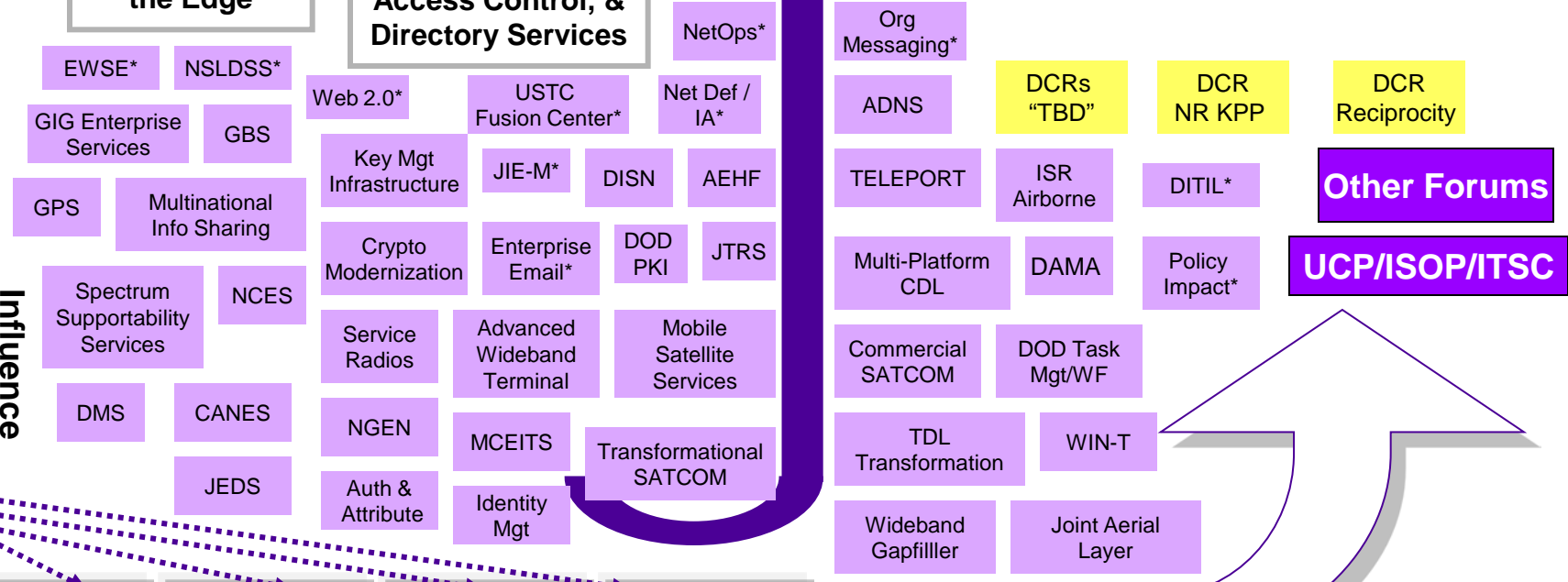


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Federal Enterprise DOD Information Environment

GIG 2.0

- Information & Services From the Edge
- Global Authentication Access Control, & Directory Services
- Joint Infrastructure
- Common Policies & Standards
- Unity of Command



Influence

- ARMY
- MARINES
- NAVY
- AIR FORCE

Other Forums

UCP/ISOP/ITSC

Influence

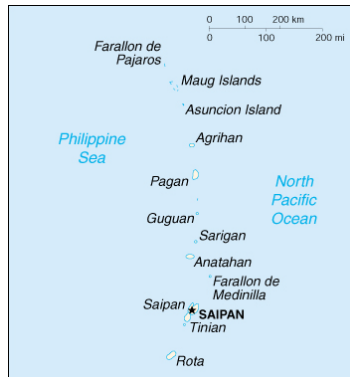
*Effort is highlighted in the GIG 2.0 CCDIP



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• **USTRANSCOM**

- **Joint Deployment & Distribution Architecture**
- **Foundation to Move/Sustain the Force**
- **Intended uses:**
 - **Requirements Management**
 - **Portfolio Management and Capital Planning and Investment Control (CPIC)**
 - **Strategic Planning and Capability Analysis**
 - **Business Process Management**
 - **Standardization**
 - **Program Support and Guidance**

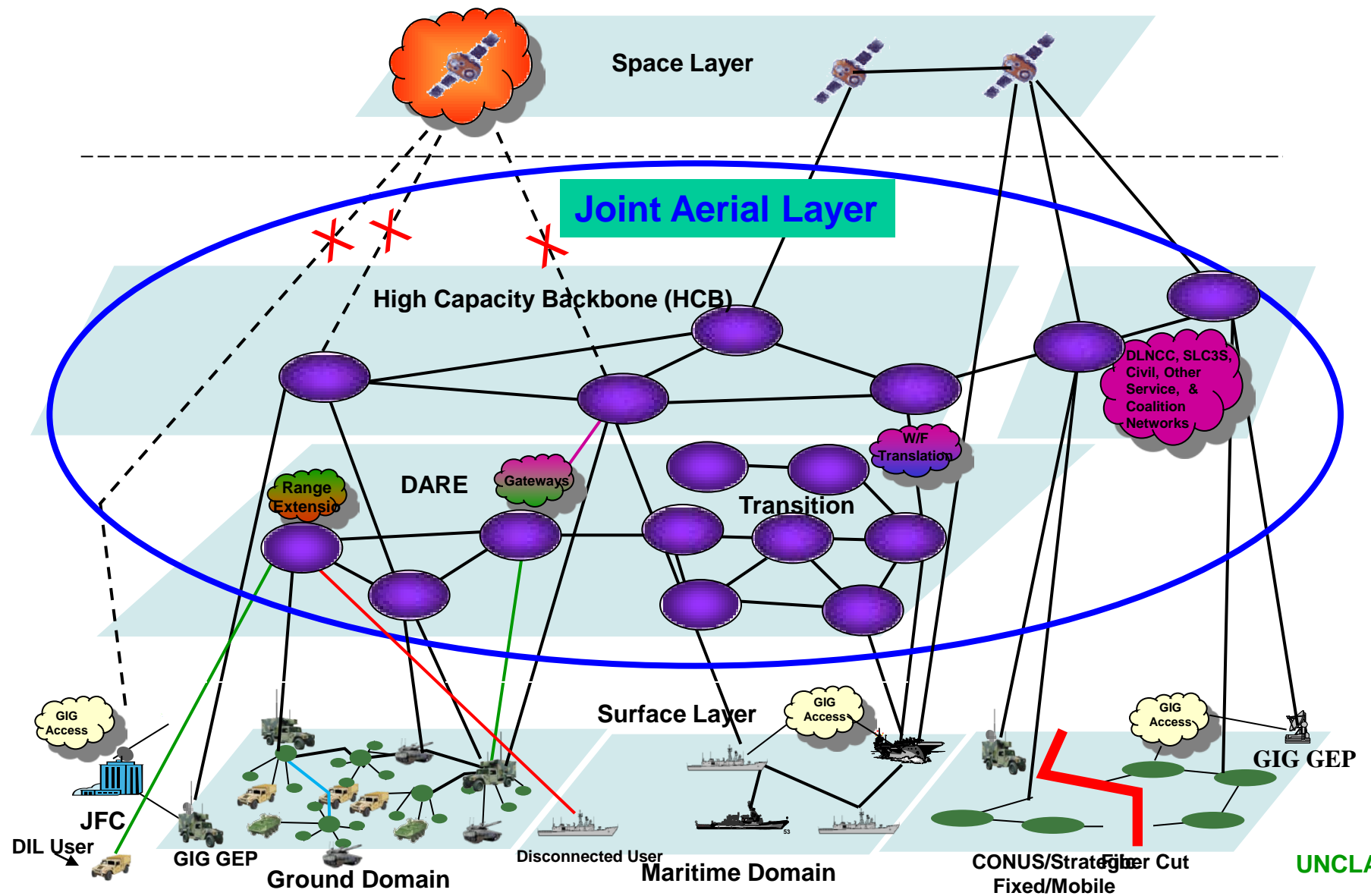


- **Joint Information Environment Marianas**
 - **Model for the future of GIG 2.0**
 - **Standard Catalog of Commercial IT Services**
 - **Greatest Potential for Improvement**
 - **Enterprise Services Governance Process**
 - **Early Adopter Installation Guidance**

We Are Building Joint Infrastructure Today!



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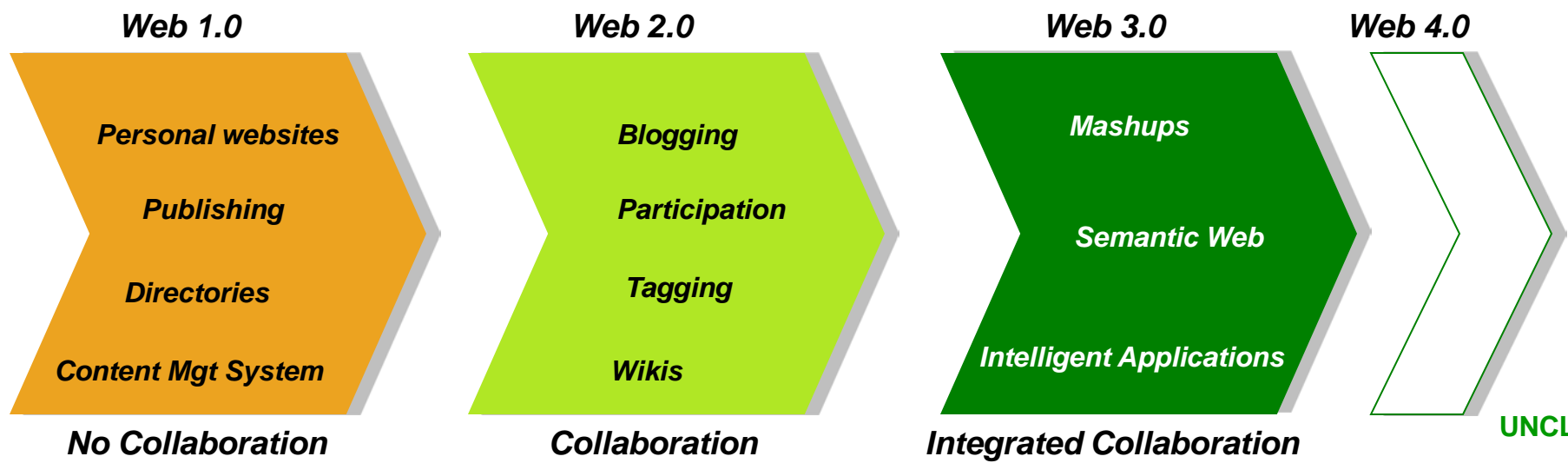
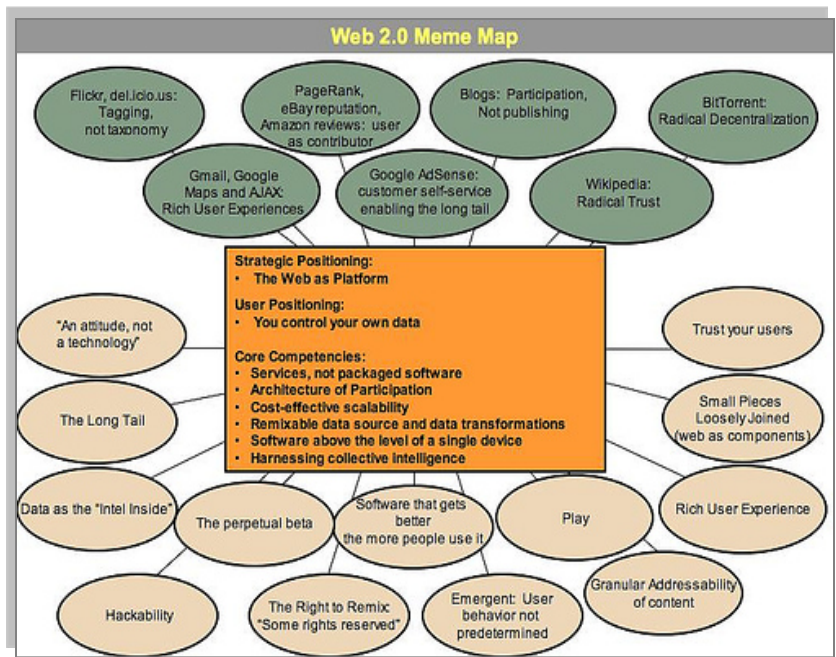
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- **CJCS ... Flatter, faster staff operating at the speed at which he needs to make decisions**
- **Challenges**
 - Decision Quality to Best Available Information
 - “Need to Know” ... to “Need to Share”
 - Publish and Subscribe Architecture
 - 24/7 Senior Leader Access
- **Improve Collaboration**
 - Intellipedia
 - BLOGs
 - DISA Real Time Collaboration Services
 - RSS



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- The next phase in the evolution of the web, new business models, provides for user-contributed content
- More open communications, secure information sharing, collaboration
- Transforms the web to a platform for building applications and sharing data

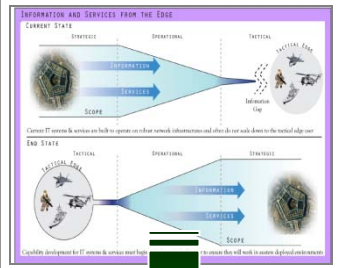




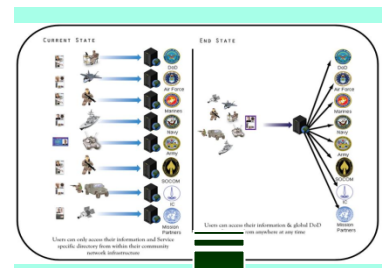
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GIG 2.0

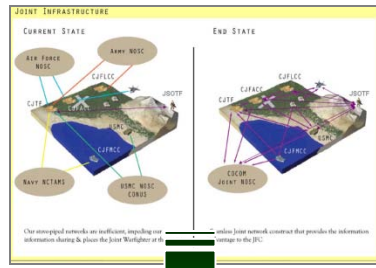
Information & Services From the Edge



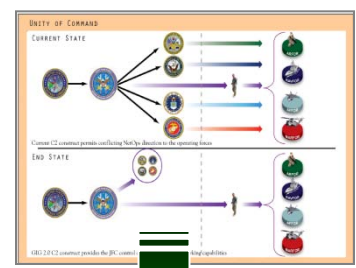
Global Authentication, Access Control & Directory Services



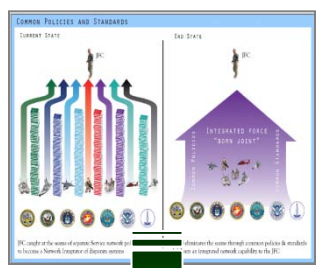
Joint Infrastructure



Unity of Command



Common Policies & Standards



Information Sharing - Standardization - User Centered - Data Driven - Collaboration - Mobility -

The heart of Web 2.0

Openness is what makes Web 2.0 & the Internet work so well

Almost all Internet infrastructure is owned by the private sector

**Internet Stakeholders
- IETF- ISOC -
- W3C- etc.**

Data is exchanged between networks at major interconnect points IAW established Internet standards & commercial agreements

Web 2.0

Community
Architecture of participation
Collective Intelligence
User-created content

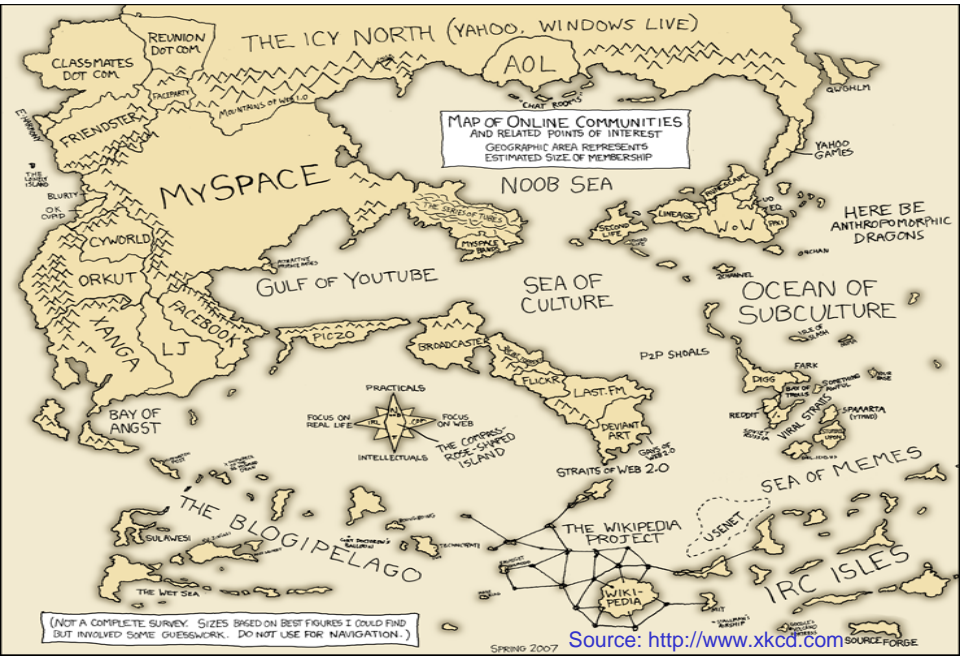
Technology
Cloud Computing platforms (mashups)
Rich Internet Applications
Social Software

Business Models
Micro-payments
Revenue Sharing
Lon-tail economics



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We need an information environment that is flatter, faster, collaborative and discoverable to deliver relevant and timely information to the tactical edge.



We will leverage Web 2.0 technologies and beyond to achieve the information advantage.

“The world hates change, yet it is the only thing that has brought progress.”
– Charles F. Kettering, Founder of Delco

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INFORMATION &
SERVICES
"FROM THE EDGE"

JOINT
INFRASTRUCTURE

GLOBAL AUTHENTICATION,
ACCESS CONTROL,
& DIRECTORY SERVICES

UNITY OF COMMAND

COMMON POLICIES
& STANDARDS

GIG 2.0

GLOBAL INFORMATION GRID

Questions?



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GIG 2.0 Web Site

https://www.intelink.gov/wiki/Global_Information_Grid_2.0