The Global Information Grid

DoD’s Enterprise Architecture In Brief

John L. Osterholz
Director Architecture & Interoperability
DOD Chief Information Officer
How Will We Enable Force Transformation?

- Processes and Applications for Operators to Utilize All Available Information
- Reliable Access to Trusted Information Sources
- Evolution of Mission Roles
- Tactical/Strategic Responsibilities Shift In A Net-Centric Environment

... by implementing an “Internet-like” and assured Global Information Grid (GIG) Architecture
The “Task, Post, Process and Use” Operating Concept

From

Task
Process
Exploit
Disseminate

“Better to be safe than sorry”

To

Task
Post
Process
Use

“Who dares, wins”
The Global Information Grid

Global Information Grid Systems Reference Model
What DoD IT Assets Are Included In The GIG?

E2.1.1.2. Includes any system, equipment, software, or service that meets one or more of the following criteria:

E2.1.1.2.1. Transmits information to, receives information from, routes information among, or interchanges information among other equipment, software, and services.

E2.1.1.2.2. Provides retention, organization, visualization, information assurance, or disposition of data, information, and/or knowledge received from or transmitted to other equipment, software, and services.

E2.1.1.2.3. Processes data or information for use by other equipment, software, or services.
The Basis For Requiring GIG Architecture Compliance

Overarching - acquisition and use

DoDD 8100.1

GIG Architecture is the authoritative architecture for Interoperability and Information Assurance

Acquisition of Capabilities

Interoperability and Supportability

DoDD 4630.5/.8 CJCSI 6212

GIG Architecture underpins all Mission Architectures

DoDI 5000.2 CJCSI 3170

10 USC 41 USC

DoDD 8100.1

Interoperability and Supportability

DoDD 4630.5/.8 CJCSI 6212

GIG Architecture underpins all Mission Architectures

DoDI 5000.2 CJCSI 3170

10 USC 41 USC

DoDD 8100.1

Interoperability and Supportability

DoDD 4630.5/.8 CJCSI 6212

GIG Architecture underpins all Mission Architectures

DoDI 5000.2 CJCSI 3170

10 USC 41 USC
Compatibility With The Global Information Grid

GIG Compliance Assessment is based on 7 considerations:

- Compliance with the DoD Architecture Framework
- Compliance with the DoD Joint Technical Architecture
- Extent to which the **NCOW Reference Model** is instantiated within the architecture and systems engineering
- Compliance with key features of the **GIG Integrated Architecture**
  - Ability to fully support and utilize Core Enterprise Services (CES)
  - Ability to support the TPPU DoD transformation objective\(^1\)
  - Compatibility with policy based, defense in depth IA architecture
  - Compatibility with DOD and IC data strategy
  - Capability to access and utilize key external data sources

1. Defined in SecDef Transformation Guidance
Interrelationships Among GIG Emerging Standards
Net Ready
Key Performance Parameter

- Focus on net-centric capabilities
- Addresses Data, Interoperability and Info Assurance,
- Will supercede the Interoperability KPP
- Cooperative effort of DoD CIO, JS (J6.J8) and DOT&E
In The End, Its All About …

...Those We Support … 24x7