

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?



... by implementing an “Internet-like” and assured
Global Information Grid (GIG) Architecture

- 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

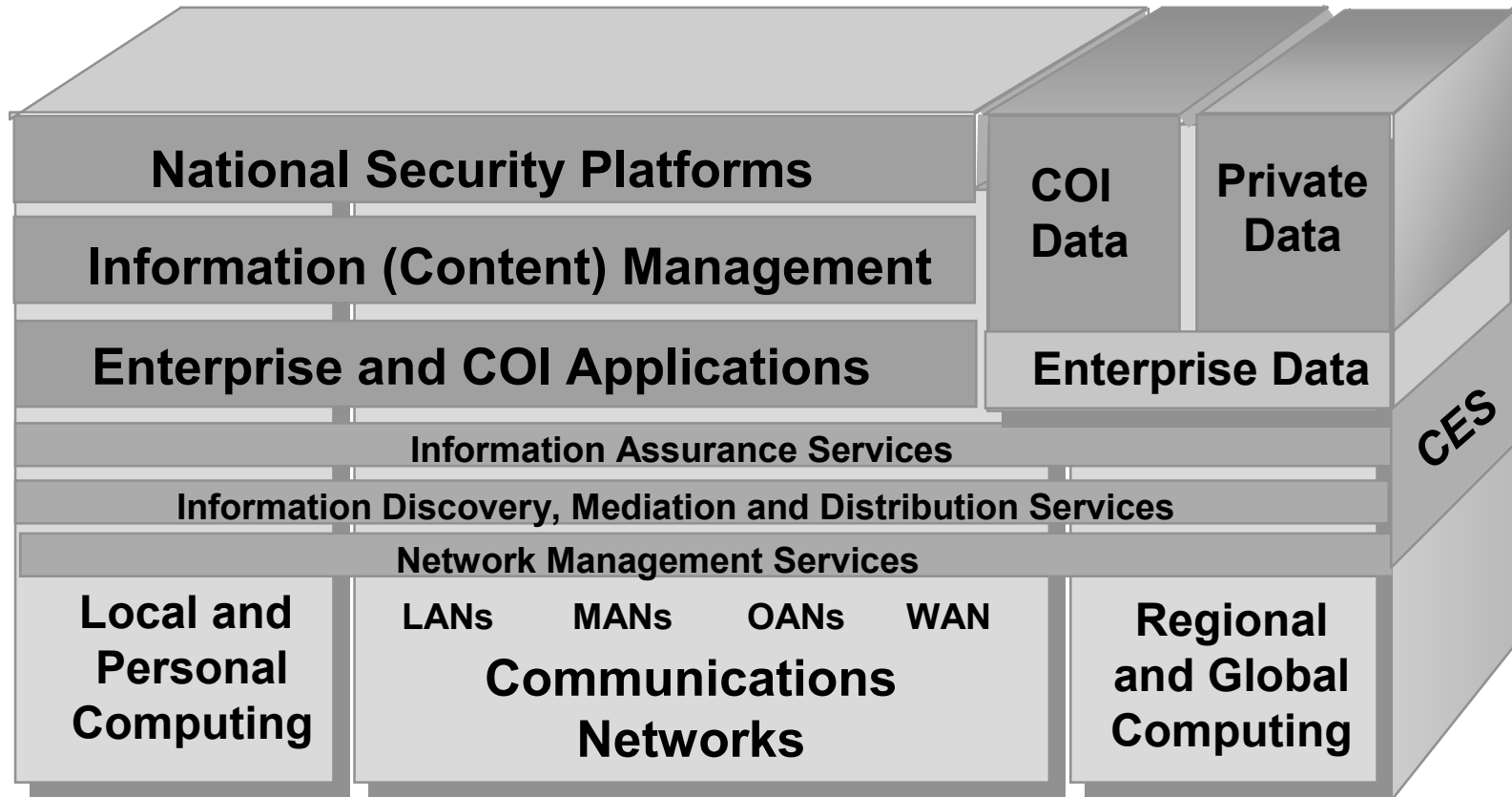
The “Task, Post, Process and Use” Operating Concept



“Better to be safe than sorry”

“Who dares, wins”

The Global Information Grid



Global Information Grid Systems Reference Model

CES - Core Enterprise
Services

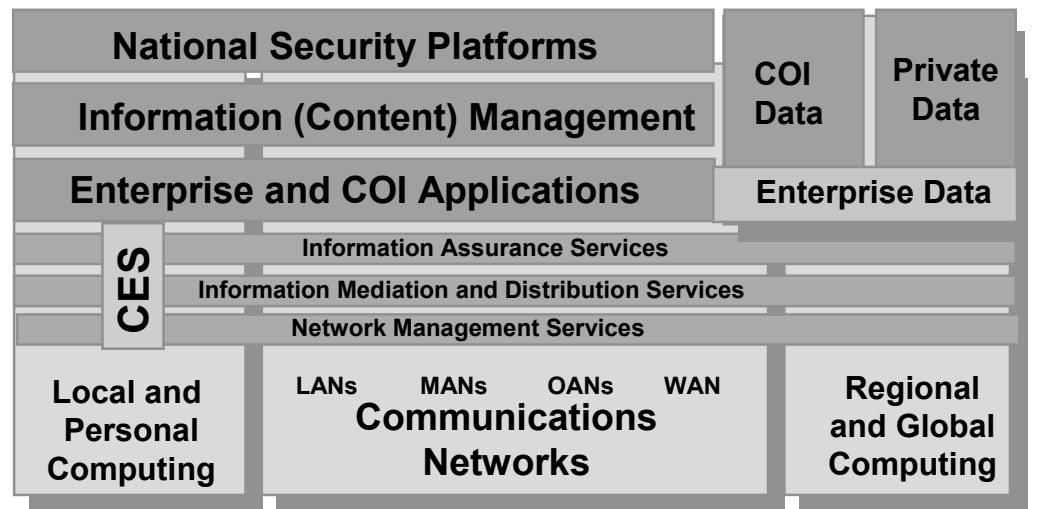
What DoD IT Assets Are Included In The GIG?

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.

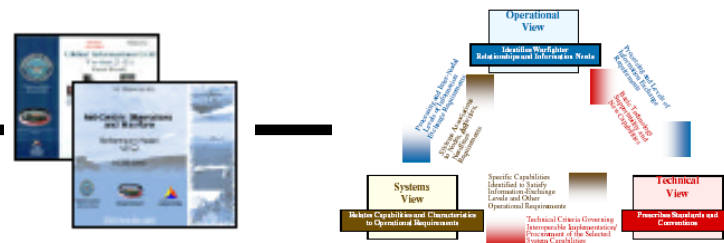
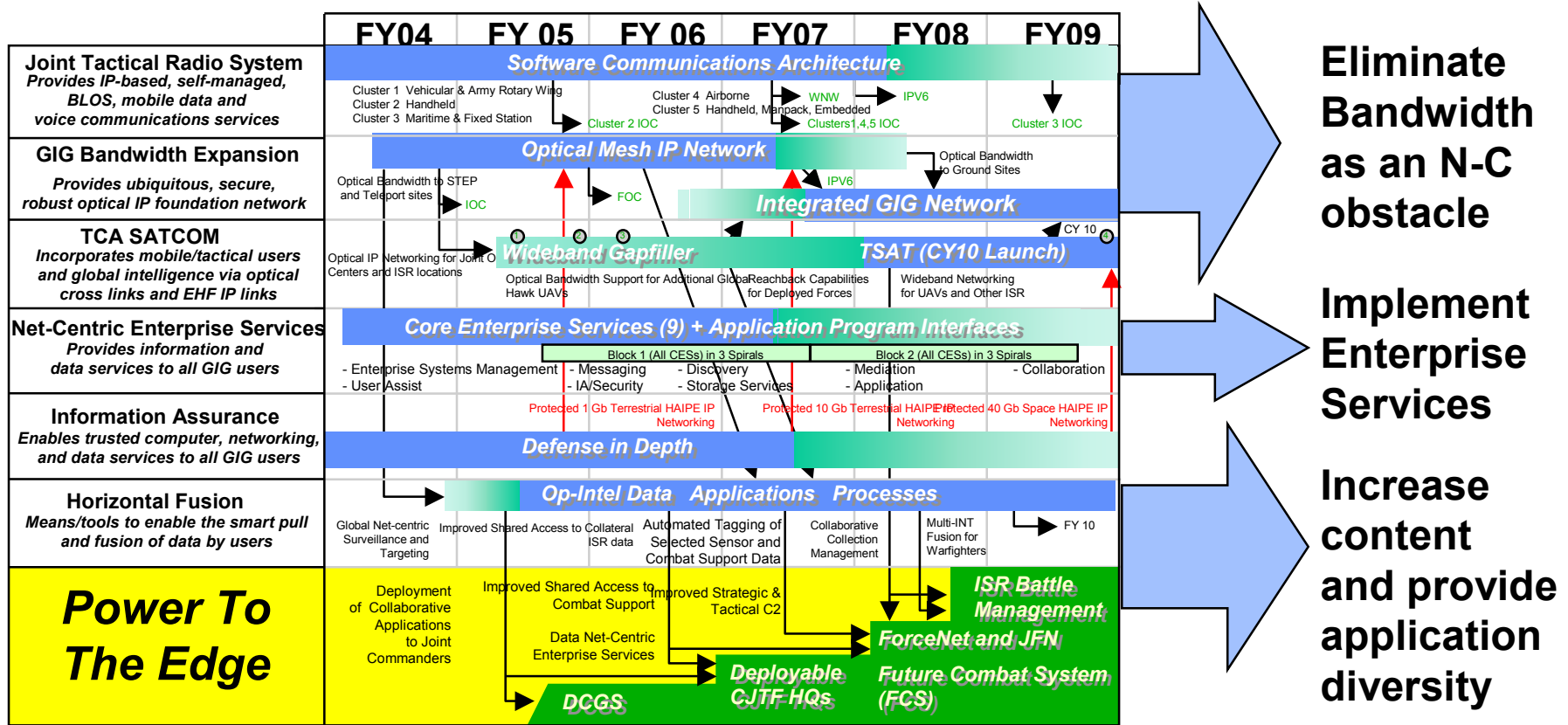
E2.1.1.2.3. Processes data or information for use by other equipment, software, or services.



GIG System Reference Model
(ref GIG Integrated Architecture)

CES - Core Enterprise Services

GIG Implementation Strategy



Global Information Grid Integrated Architecture

The Basis For Requiring GIG Architecture Compliance

*Overarching -
acquisition and use*

DoDD 8100.1

*Interoperability
and Supportability*

**DoDD 4630.5/.8
CJCSI 6212**

10 USC
41 USC

**GIG Architecture
is the authoritative
architecture for
Interoperability
and Information
Assurance**

**DoDI 5000.2
CJCSI 3170**

Acquisition of Capabilities

**GIG Architecture
underpins
all Mission
Architectures**

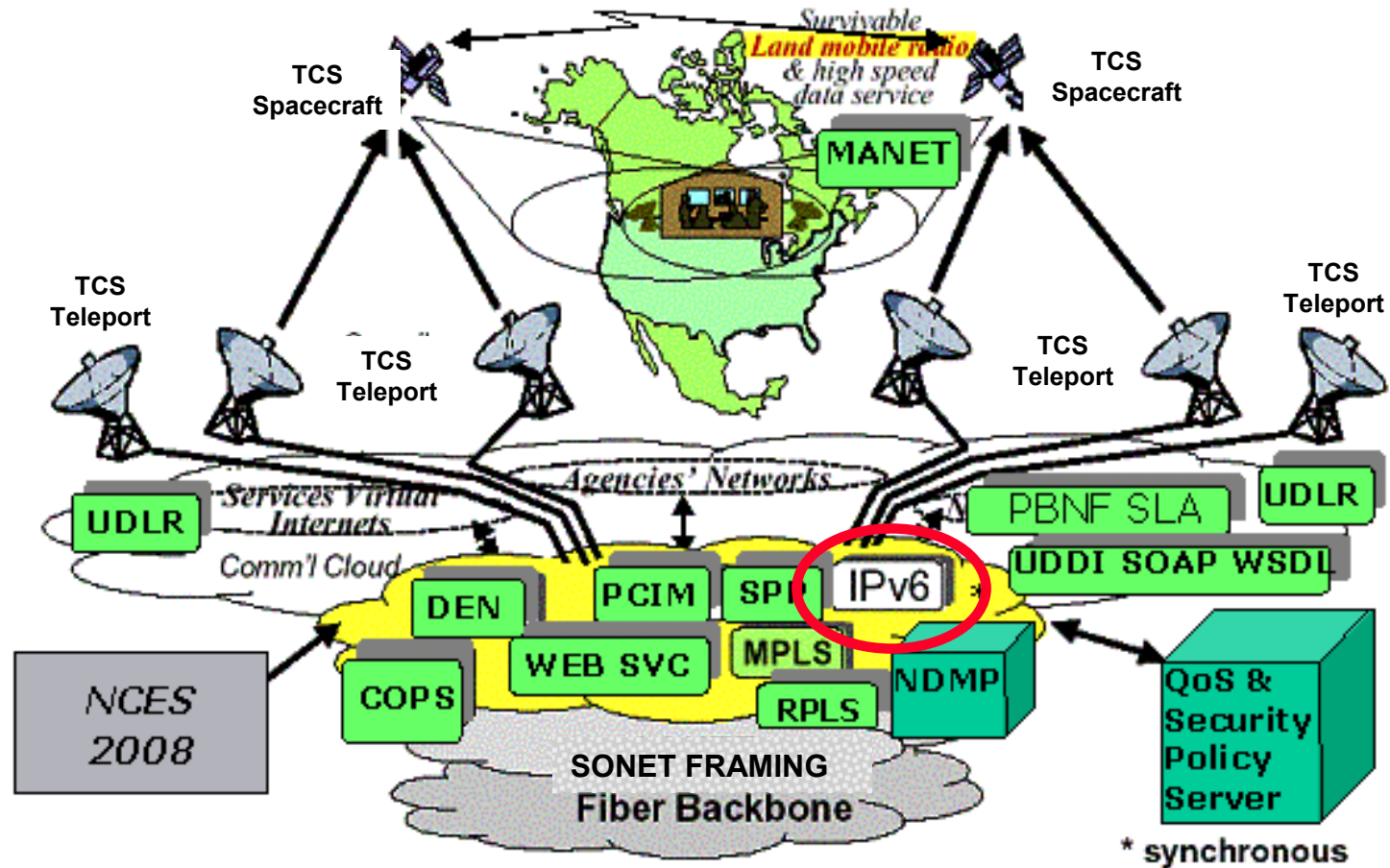
Compatibility With The Global Information Grid

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 objective¹
 - ❑ 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

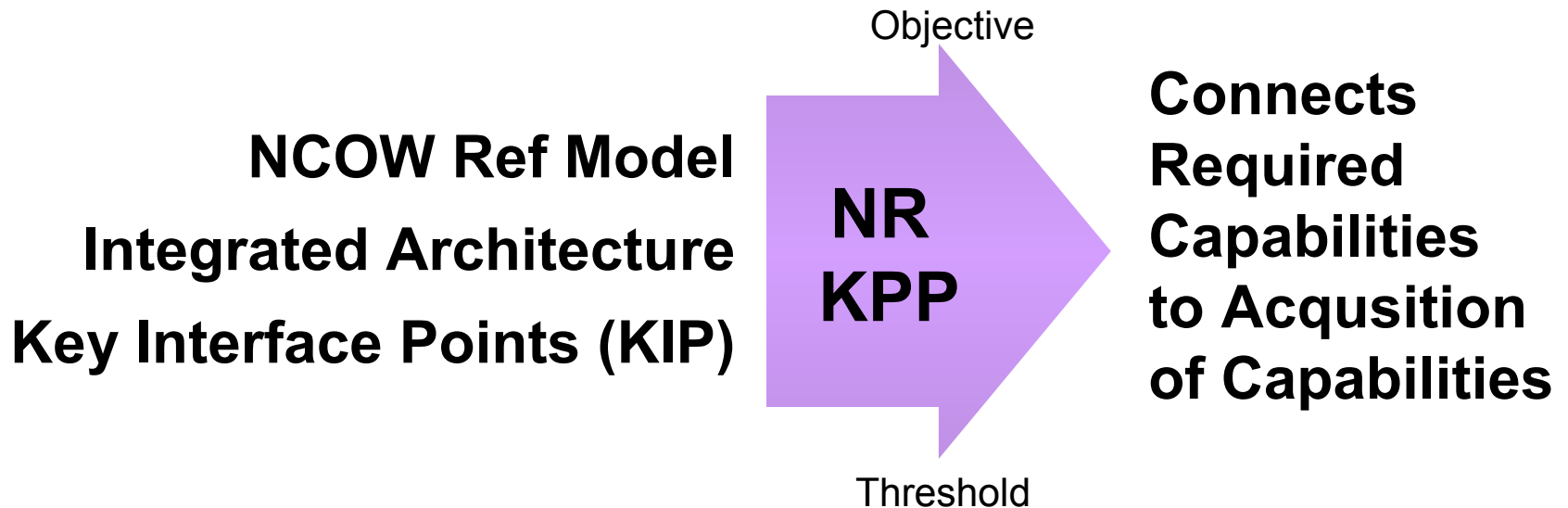
1. Defined in SecDef Transformation Guidance

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