

GIG Enterprise Services and the DoD Net-Centric Data Strategy

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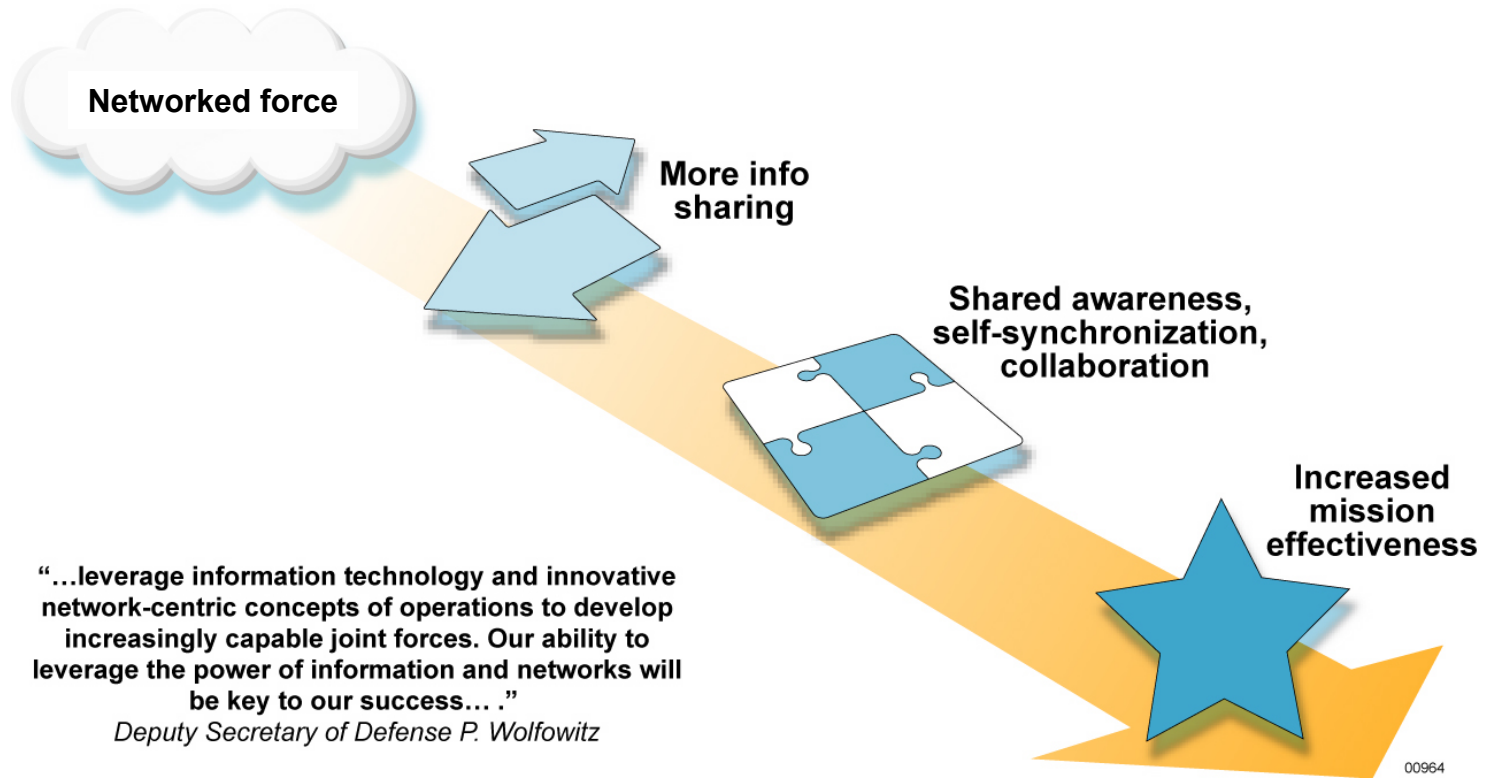
Power to the Edge ~~~~~

Net-Centricity

Improved Information Management Paradigm

★ **Net-Centricity** is a transformation enabler that empowers all users on the network with the ability to easily discover, access, integrate, and fuse data and services that support their mission objectives. With Net-Centricity, the network is the source of information.

Information Age Evolution → Net-Centric Operations and Warfare



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Net-Centricity Affords Key Benefits

<i>Better use and protection of resources</i>	Faster decision cycles and shared awareness
	Effective force multiplication through higher quality information
<i>More effective use of information assets</i>	Improved command and control
	Immediate awareness of information availability
	Near-real time availability of intelligence
<i>More efficient use of platforms</i>	Better “pictures” of the operating environment
	Better visibility into asset status
	Higher yield to warfighters based on transformed business processes



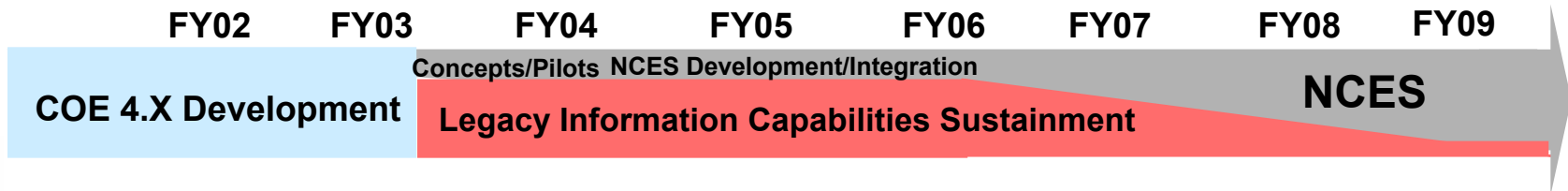
The GIG Enterprise Services (GES)

Addressing the Policy and Infrastructure for Net-Centricity

- GIG enterprise services (GES) address the approved Global Information Grid (GIG) Architecture requirements for common capabilities to operate in a net-centric environment:
 - Task-Post-Process-Use (TPPU), storage, management and protection of information resources *on demand* for warriors, policy makers, and support personnel
 - Facilitate information sharing across systems

- GIG enterprise services support:
 - Entire DoD
 - SCI Intelligence Community (through ICSIS IAW DCID/DoD Directives)
 - Conventional and Nuclear Warfighting
 - Business units (e.g., BMMP)

- Net-Centric Enterprise Services (NCES) - Implementing the Net-Centric Objectives:
 - GES near-term focus is to establish an FY04 New Start for the NCES Program
 - “Fast Track” Concept development and OSD/JS/Service/Agency Coordination
 - Deals with transition from Common Operating Environment (COE)



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GIG Enterprise Services Scope

Domain & COI Enterprise Services

include levels of services *beyond* the
9 Core, Net-Centric Enterprise Services

Domains and their COI: - Business - Warfighter - Intel
Plus: Cross-Domain COI
Plus: Expedient COI

GIG
Services

Net-Centric Enterprise Services (NCES Program)

FY04-09: \$380M

Milestone B, 2nd QTR FY04

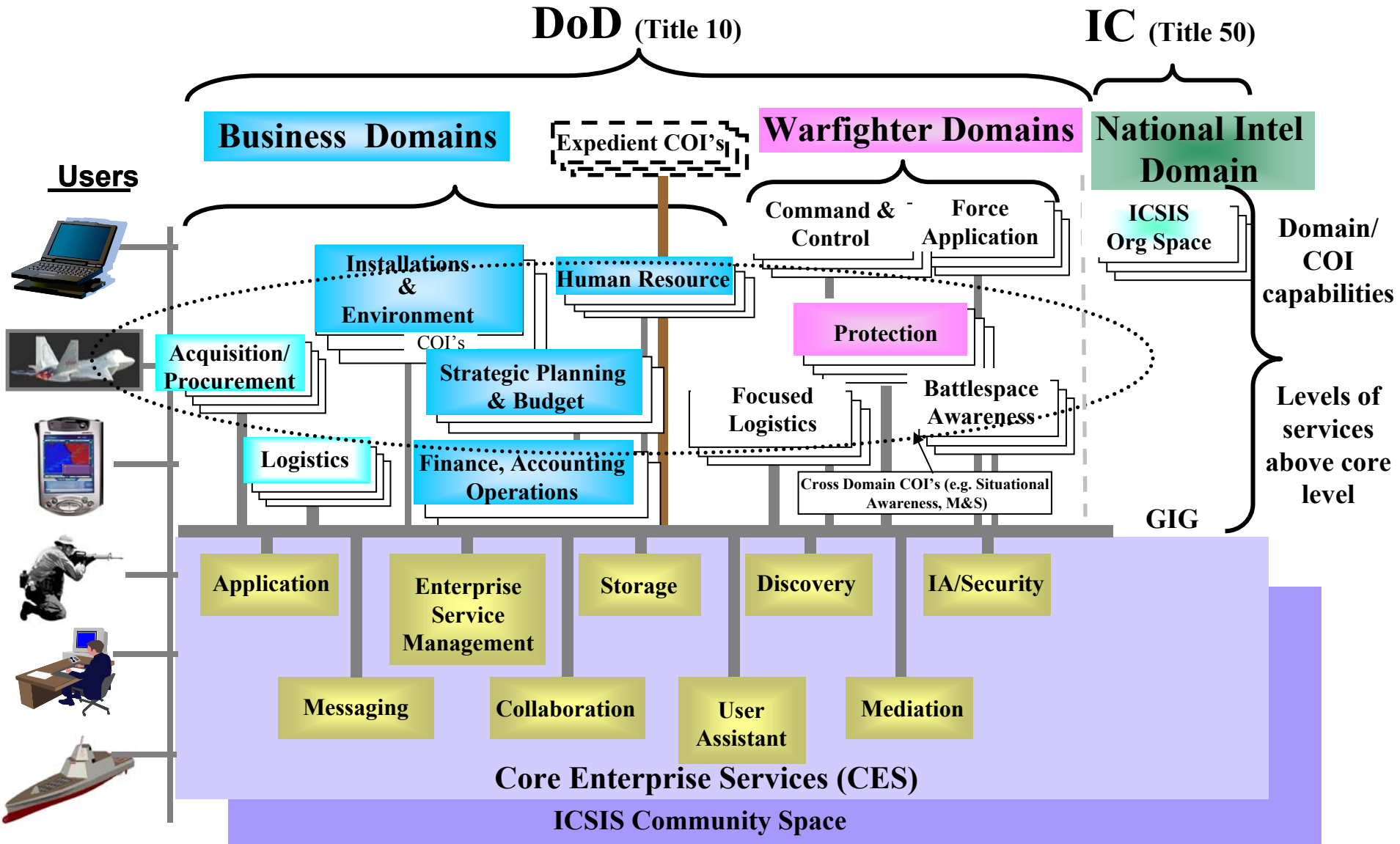
Scope Includes:

- 9 Core Enterprise Services
- Application Program Interfaces (APIs) for CES



GIG Enterprise Services

Support real-time & near-real-time warrior needs, and business users



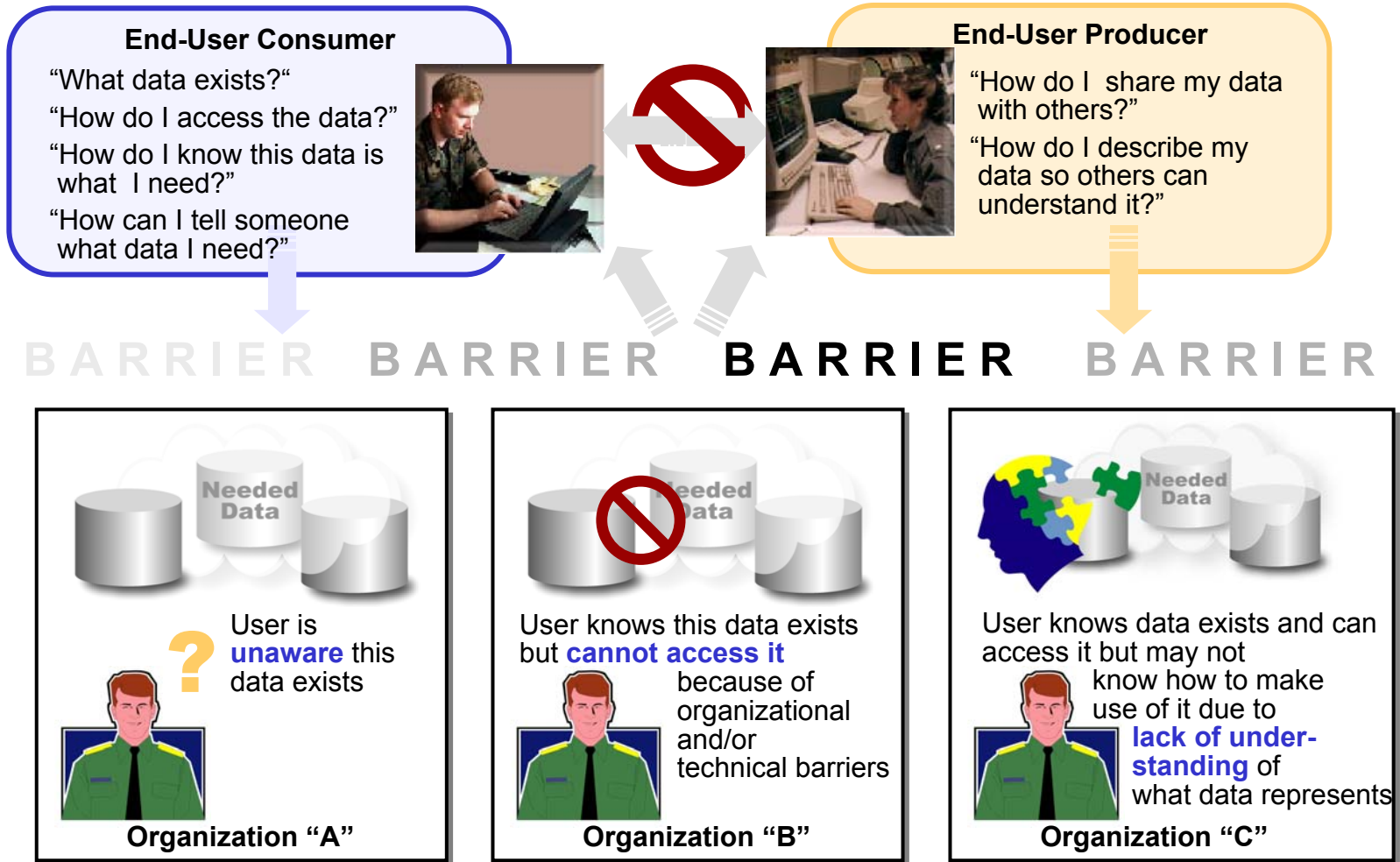
The Role of Domains and Communities of Interest

- Communities of Interest (COIs) are collaborative groups of users who exchange information in pursuit of their shared goals, interests, missions, or business processes
 - COIs should strive to be cross-functional and/or cross domain and include members that reflect user, developer, policy, and management communities
 - Some COI activities will require an advocate and executive agent
- Domains are the providers of the infrastructure required to support various COI activities
 - A Domain Owner will be assigned to each domain
- Domain owners will be responsible to:
 - Establish Domain EAs, as necessary, to execute requirements, acquisition, and budgeting processes for assigned Domain and cross-Domain services
 - Establish and recognize institutional COIs as needed within the Domain
 - Review MilDep, Agency and Domain EAs POM/budget for:
 - resource compliance to guidance
 - gaps, unnecessary duplicative services, and issues within and across Domains
 - Submit issues as required
 - Participate in Domain program OIPTs to assess compliance with net-centric objectives, architecture and standards.



Net-Centric Data Strategy

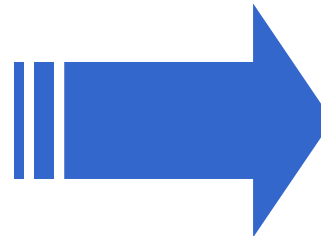
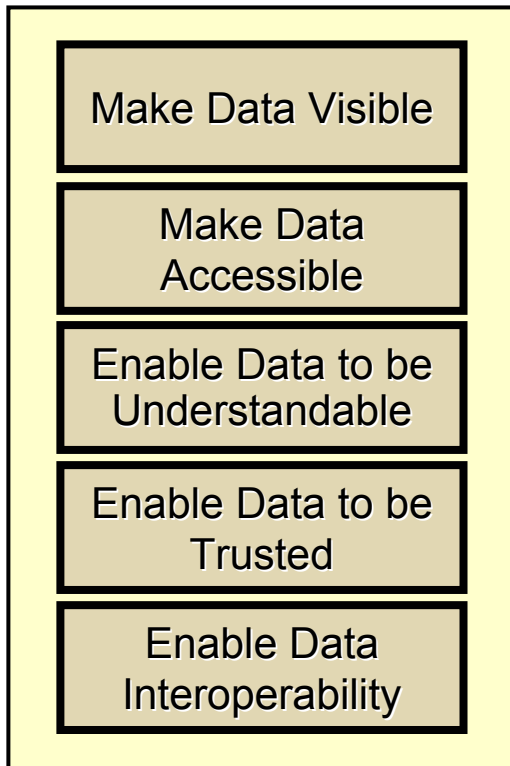
Defining the Problem



DoD Net-Centric Data Strategy

Defines Goals That Guide Net-Centric Activities

Key Goals From the Net-Centric Data Strategy



What The Department Wants You To Do:

- ✓ “Tag your data”
- ✓ “Post your data to shared spaces”



Empowering Known and Unanticipated Users

Shift Power to the User:

- Bring data consumers, producers, and system developers closer together through Communities Of Interest
- Guide data management activities through user-driven metrics, user ratings/feedback, and data sharing incentives
- Provide the infrastructure and services (e.g., GIG B/E, NCES, Shared Spaces, Catalogs) to permit the user to find and retrieve data

Producer and Developer



Consumer



*Make Data Accessible to and Usable by
Known and Unanticipated Users*

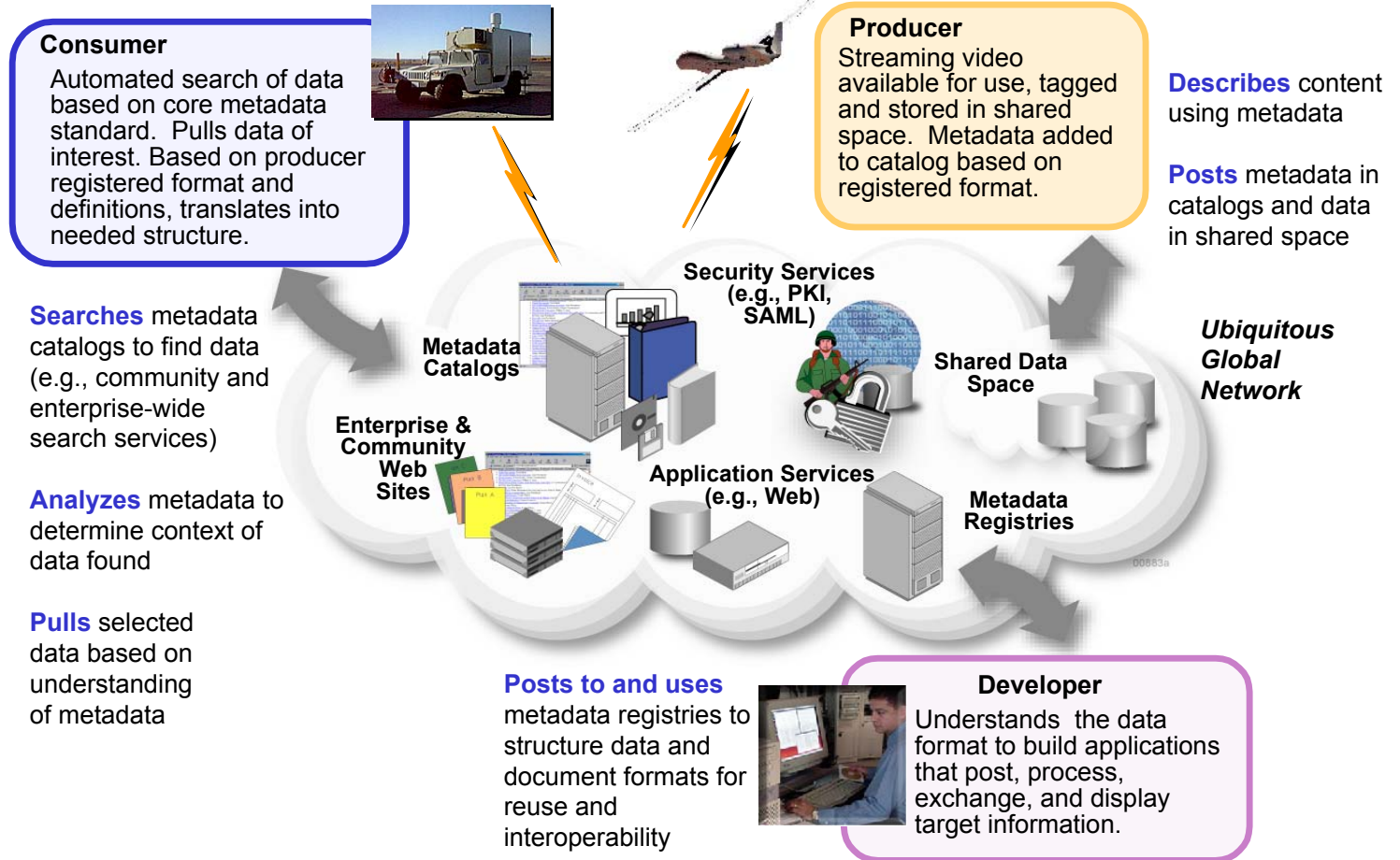


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Tagging and Posting Empowers Users

The Role Of Metadata and the Role of Shared Spaces

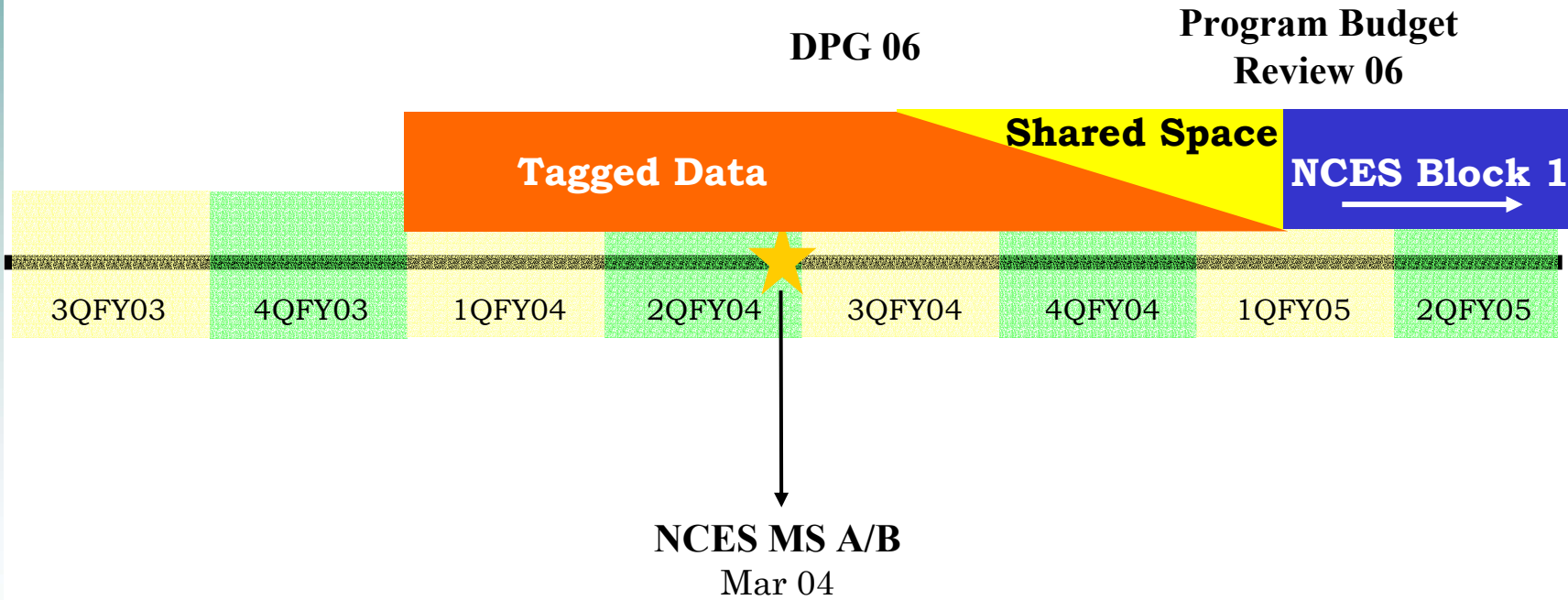
- Users on the GIG discover and understand data through metadata tagging
- Users retrieve and store information on shared spaces that are accessible throughout the Enterprise*



Power to the Edge ~~~~~

* Data is accessible to authorized users

GIG ES Critical Path (Mediation and Discovery Services)



Issues

- Graceful legacy transition is important
- Need for extensive teamwork
 - Must be collaborative with other Service/Agency initiatives
 - PSA/Service/Agency leads for COIs
- Deployment strategy needs refinement (centralized, decentralized, federated, integrated)
- Security, Security, Security
- Must consider the “last tactical mile”



Summary

- Net-Centric Enterprise Services (NCES) is on track to become a FY04 new start program to develop and field GIG enterprise services
- GIG enterprise services is the approach to providing the GIG infrastructure needed for timely, secure, ubiquitous edge user access to decision quality information

