



Defense Information Systems Agency

Department of Defense

AFCEA Solution Series – Information Sharing Program *Government's Transition from Systems to Services Panel*

**Ms. Rebecca Harris
Program Executive Officer
GIG Enterprise Services
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Key Drivers.....New Assumptions

- **Industrial Age (system-centric)**
 - Clear lines of authority
 - Limited Scope (Finite system boundaries and user population)
 - Known, relatively static requirements
 - Predictable future (stable Business environment and standard processes)
 - Deduce designs from high level abstractions and test effectiveness with small-scale experimentation
- **Information Age (Net-Centric)**
 - Boundless information space with no single controlling activity
 - Highly dynamic requirements w/many unknowns
 - Marginally predictable near term future
 - Many actors engaging in unpredictable ways at unpredictable intervals (build time and run time)
 - Highly, dynamically interconnected

Producer Centric  User Centric



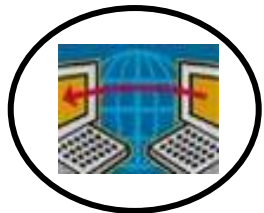
Why a SOA and Web Services?



Discoverable



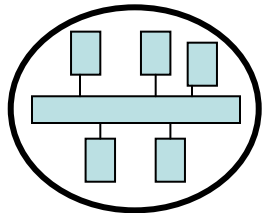
- Better reuse of software components
- Enables service assembly
- Better return on investment



Highly Interoperable



- Platform and language Independent
- Leverage existing IT investments

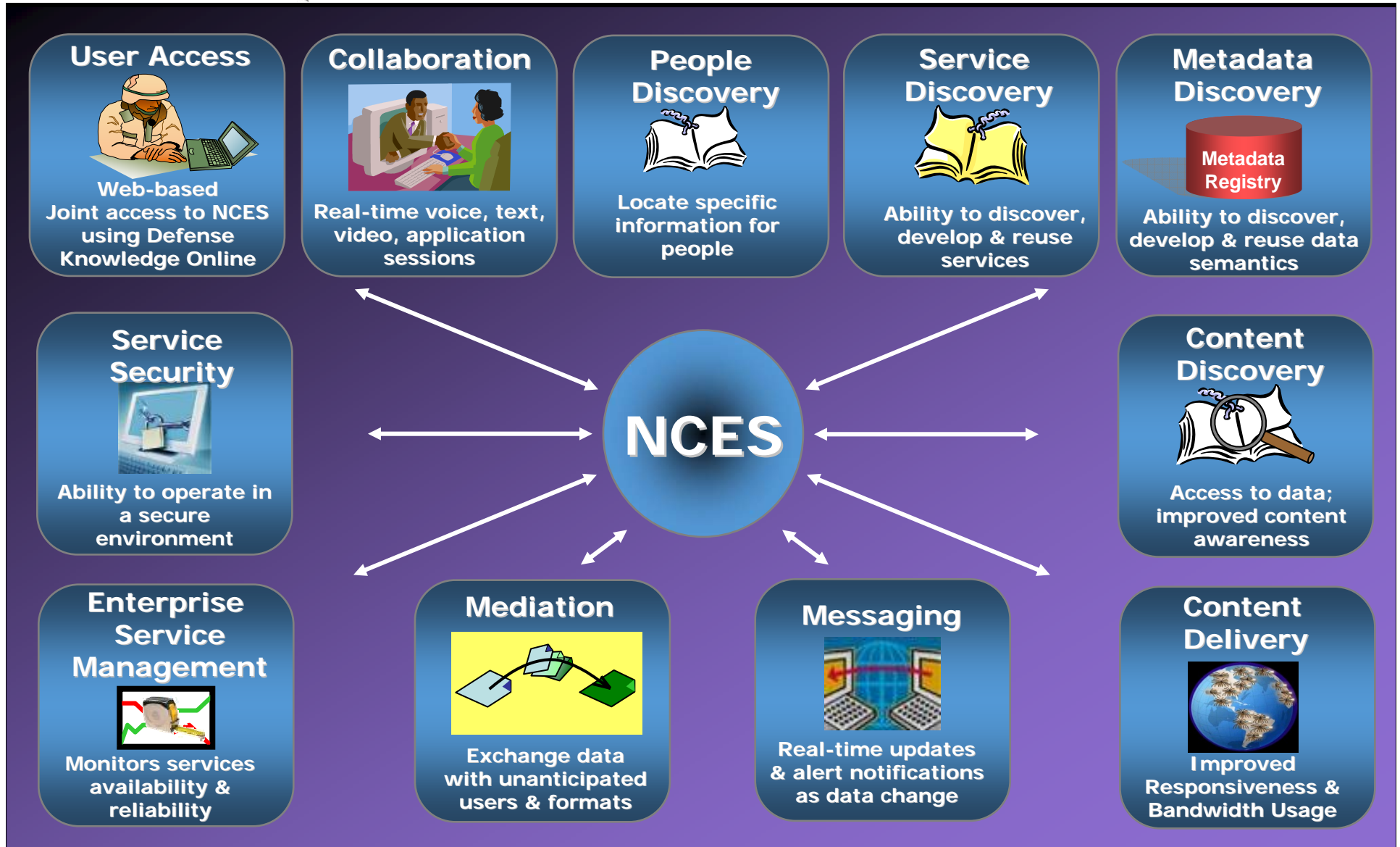


Loosely Coupled and Decentralized



- Location transparency
- High availability
- Emphasis on business logic and less on plumbing

DISA DoD Net-Centric Enterprise Services





Lessons Learned

- **Benefits**

- Visibility

- Access

- Quality

- Speed

- Agility

- Cost

- Avoidance

- Reuse

- Best Value

- **Operational challenges**

- Transition to being a Service provider

- Migration of our existing programs and capabilities

- Horizontal Integration with other programs and services

- New development practices and processes

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