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## **UCDMO INTERFACE**

*with the*

**Comprehensive National CyberSecurity Initiative  
(CNCI)**

Using encryption on the Internet is the equivalent of arranging an armored car to deliver credit card information from someone living in a cardboard box to someone living on a park bench.

— Gene Spafford

# UCDMO Interface with Comprehensive National CyberSecurity Initiative (CNCI)

- Direct interface across multiple CNCI areas
- Active participation in Community CNCI efforts
- Provide facilitation role to Community
- Identify key supporting technologies / capabilities ICW NSA
- Assist in implementation of security technologies across the Community

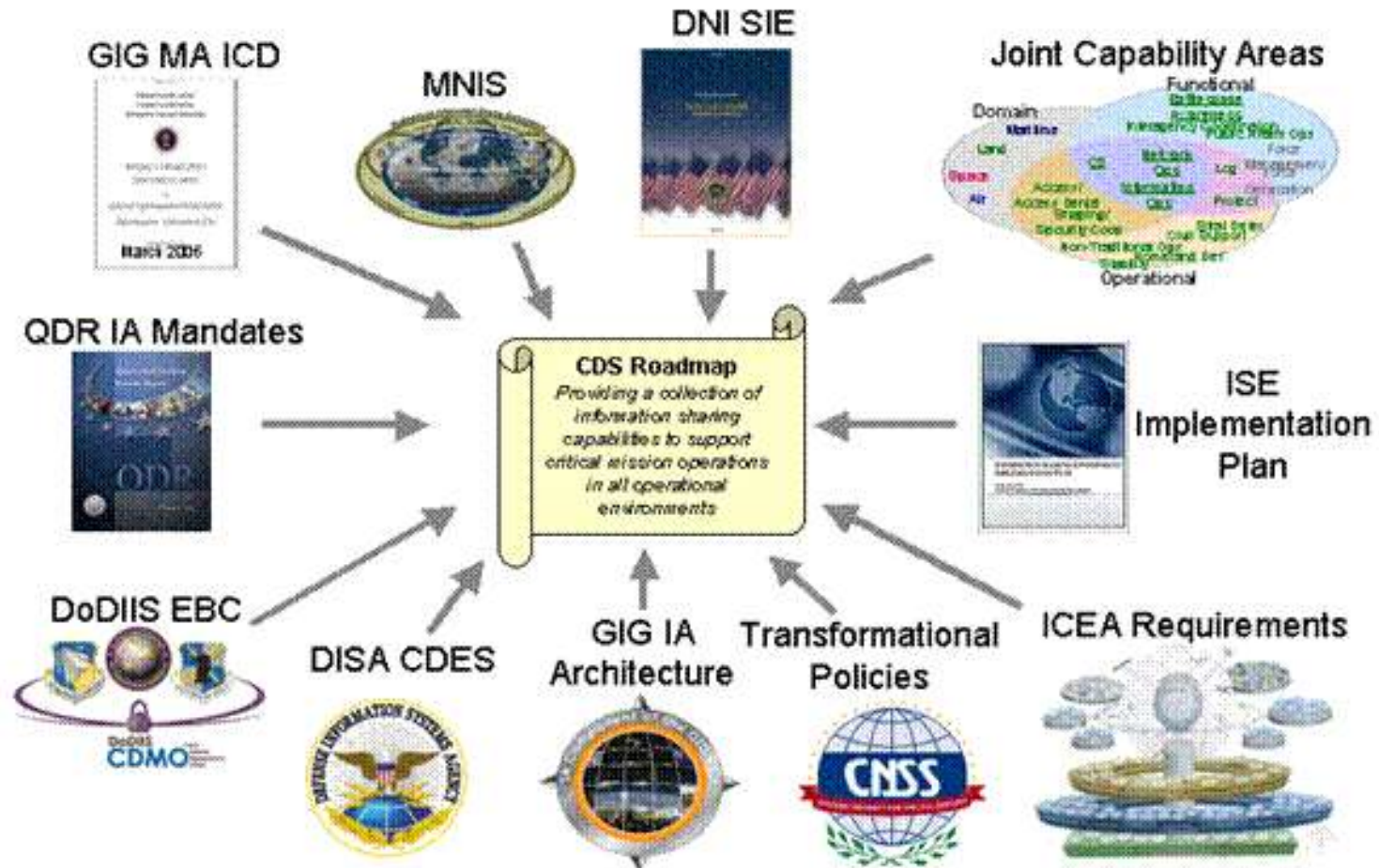


# CYBERSECURITY INITIATIVES

<u>CNCI OBJECTIVES</u>								
<u>COMMUNITY ROADMAP OBJECTIVES</u>	1. Trusted Internet Connections	4. Coordinate and Re-direct R&D Efforts	5. Connect Current Centers to Enhance Cyber Situational Awareness	6. Develop a Counter Intelligence Plan	7. Increase Security of Classified Networks	8. Expand Education	9. Define & Develop Leap Ahead Technologies	12. Extend CyberSec into Critical Infrastructure Domains
1. Migrate the CD Community to CD Baseline and Enterprise Services	X		X		X		X	
2. Ensure the effective and efficient use of CD Resources	X	X			X		X	X
3. Align CD Technology Development... of IC and DoD	X	X			X	X	X	X
4. Ensure CD Policy and Governance supports Information Sharing Goals...	X		X	X	X			X

**INTERSECTION OF CNCI & UCDMO OBJECTIVES**

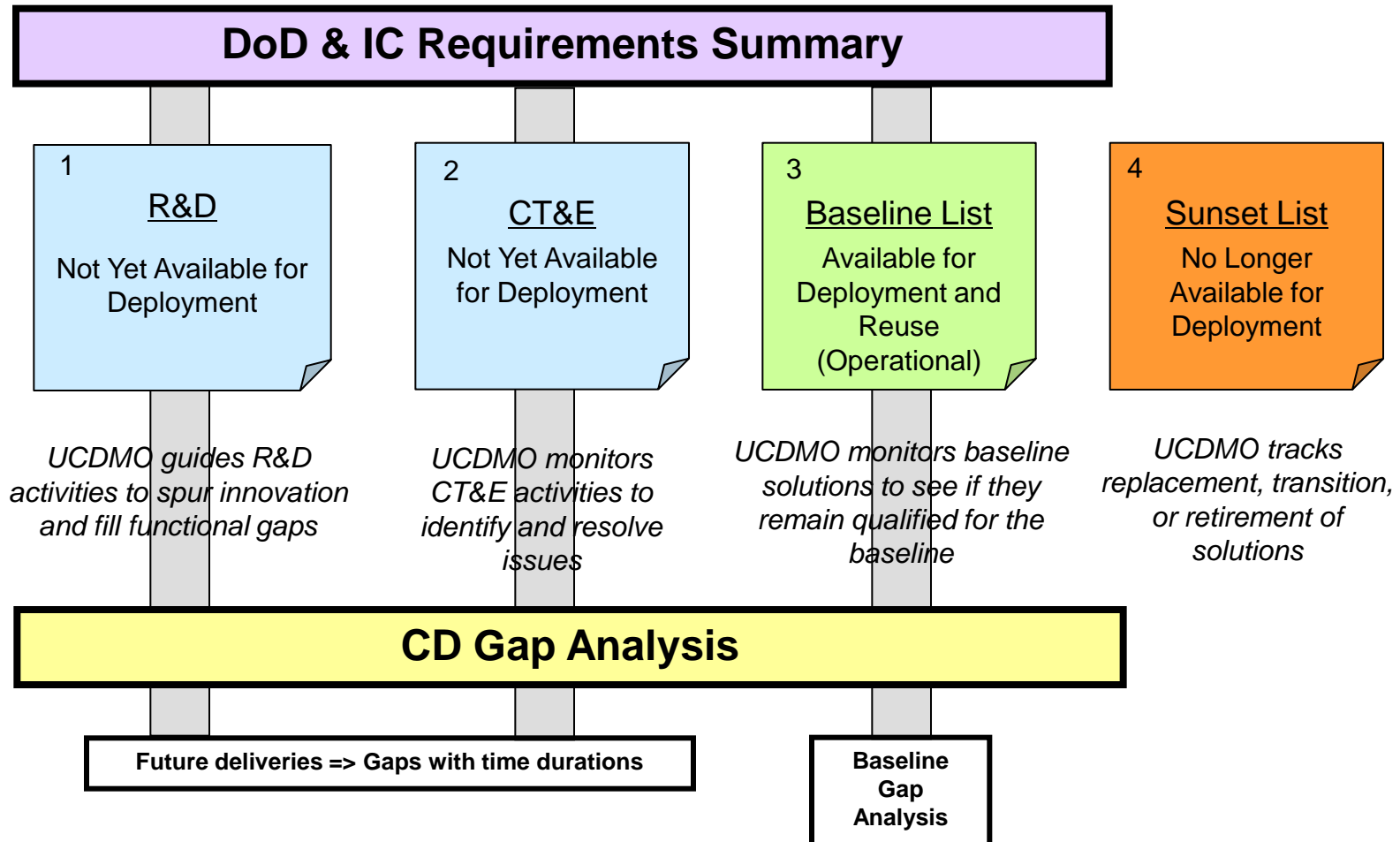
# Community Context



# Community Context

	Description	Key Questions
<b>Governance</b> The "environment" influencing sharing	Oversight and leadership that help govern information sharing. How managers drive initiatives within organization and across agencies. Standards and guidelines to ensure a consistent approach.	<ul style="list-style-type: none"> <li>• Is there a clear value proposition for sharing among partners, i.e., quid pro quo or negotiated trade-offs? Are MOUs or service-level agreements required?</li> <li>• Do people understand how to abide by the law and policies?</li> <li>• How are information sharing disputes resolved?</li> <li>• Who are the key stakeholders?</li> </ul>
<b>Policy</b> The "rules" for sharing	National policies, internal policies, rules of engagement, standards, and role of players internal and external to the organization.	<ul style="list-style-type: none"> <li>• Are laws, regulations, policies, and procedures in place that authorize, mandate and/or enable the organization to share? Is the organization complying with these mandates?</li> <li>• Do laws/regulations/policies/procedures impede or constrain the organization/people from sharing?</li> <li>• Are privacy and civil liberties sufficiently protected?</li> </ul>
<b>Technology</b> The "capability" to enable sharing	The technology, systems, and protocols that provide the platform for enabling the sharing of information and that address security and privacy issues.	<ul style="list-style-type: none"> <li>• Are there common data standards and systems for organizing, identifying, and searching?</li> <li>• Can participants push and pull data across networks?</li> <li>• How is information protected; is the system auditable?</li> <li>• Are tools/mechanisms available to manage identities; authorize, authenticate, and audit users; and ensure confidentiality?</li> </ul>
<b>Culture</b> The "will" to share	The organizational approach and philosophy around sharing information and its ability to realign and adapt as circumstances change.	<ul style="list-style-type: none"> <li>• How do we motivate people and create incentives to collaborate and share information across organizations?</li> <li>• Does the organization communicate across all levels?</li> <li>• How does the organization adapt to change, and how responsive is it to stresses and opportunities?</li> <li>• How are decisions and conclusions reached?</li> </ul>
<b>Economics</b> The "value" of sharing	Ability to obtain and provide resources for information sharing initiatives, and external pressures (e.g., budget) that influence how resources are allocated and managed.	<ul style="list-style-type: none"> <li>• Has sufficient funding been appropriated to support the initiative?</li> <li>• Have incentive structures been developed?</li> <li>• Is the funding reaching the appropriate level within the enterprise to fully implement the sharing program?</li> <li>• How do we measure performance?</li> </ul>

# Community Roadmap



# Common, Consistent, Coherent Policies

- **Support to DNI led C&A Transformation activity to provide CD-specific input**

- CNSSI 1253, Security Controls Catalog for National Security Systems
- CNSSI 1253A Working Group to develop Security Controls Assessment Guide
- CD Profiles that contain security controls for the 3 CD types (Transfer, Access, Multi-level)

- **Investigating a Foreign Network Transfer Policy**

- Foster a policy for releasing CD Test Data to 4/5 Eyes Partners

- **Established a comprehensive CD Governance Framework**

- Guidelines and charters to establish **CD Support Offices (CDSO)**, **Cross Domain Officers (CDO)**, and the **CD Resolution Board (CDRB)**
- DoD and IC CDSO Interim Guidance Memorandum

# Common Policies and Processes are not enough

- We must also change the culture
  - CDSOs
  - CDRB
  - Risk Executive
  - CSTG
  - CD Tech Cell
  - CD Technical Forum

# Cross Domain Support Offices (CDSOs)

- Duties
  - Understand and implement new policies and processes
  - Coordinate and prioritize agency specific Cross Domain requests
  - Info System Security Engineer support on implementation details
  - Player in the CD tech cell
  - Manage the CD Roadmap for the organization
  - Architecture & Acquisition Strategy
  - Manage agency/service specific CD connections



# Required CD Stakeholder Participation

- Transition Plans for Sunset CD Devices
- Establish and support CDOs
- Support CD boards and technical groups
- Migrate current activities C&A activities to NIST 800.53
- Support community effort to develop a Consolidated DoD and IC CD Enterprise Services Strategy
- Provide POC/ Action officer to obtain Financial and programmatic CD Info
- Ensure Service CD Roadmaps are aligned with CD Community Roadmap and strengthen linkages to major programs
- Participate in CD Community Roadmap V2.0

Any Questions....

