

Implementation Guidance for UCore

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Unclassified

Clay Robinson
Chief, Data Strategy
Enterprise Services and Integration
Office of the DoD CIO
Clay.robinson@osd.mil



UCore - Ready for DoD Adoption



- DoD UCore Council – Guides adoption and promotes synergy among DoD components
- UCore CCB – Management of Critical Changes
- Conformance – Tools available, as well as JITC testing
- Schemas, Profiles, Training available at www.ucore.gov



UCore – Implementation Strategy



- Sub-Interagency Policy Council (IPC) – “Expand the Use of UCore and NIEM as Exchange Standards Across the Federal Government”
- DoD 8320.02M “Implementing Data Sharing in a Net-Centric Department of Defense”
- UCore and Common Core Information Guidance Memo for Uniform Implementation
- Command and Control (C2) Core Maturation and Implementation Guidance Memo (12 March 2010)
- DoD IT Portfolio Registry (DITPR)
- Knowledge Transfer – Conferences, Forums, Training, Web Site
 - i.e. DoD EA Conference, Navy IT West and East, DISA Partnership Conference, Data Interoperability Conference, etc.



UCORE AND NIEM: CREATING POTENT NEW CROSS-BOUNDARY NETWORKS



- Released 7 May 2010
- www.ise.gov
- “The biggest benefit that we’re likely to see from UCore is the fact that it’s so agnostic to the way that you are doing your detailed data modeling in your community, whether NIEM or JC3IEDM, or whatever.”
- “It’s very lightweight.”
- “Without a whole lot of investment you’re able to share the most important details of information.”





UCore Today



- UCore is mature and ready to be adopted and implemented by organizations and communities across DoD, the IC and Federal, State, and Local Organizations
- Supporting activities (including a full-service website which includes tools and examples) are in place
- Usability has been demonstrated in pilots across communities
- Must continue to promote usage and adoption for DoD as well as the Federal level for our partners
- Common Cores extend from UCore and help us promote layered interoperability



BACKUP





What is the Universal Core (UCore)?

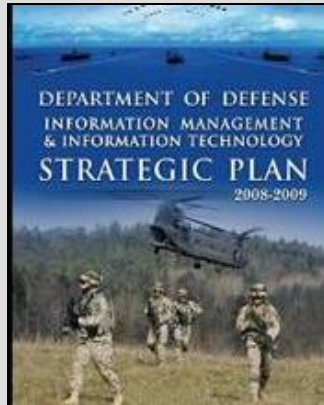


UCore is an information exchange specification and implementation profile

- **Vocabulary**
 - Of most commonly exchanged concepts: **Where, When, What, Who**
- **XML representation** of the concepts
- **Security markings** to permit controlled access, electronic tear lines
- **Message framework** to provide consistent packaging of content
- **Guidance for extension** to permit tailoring to specific mission area

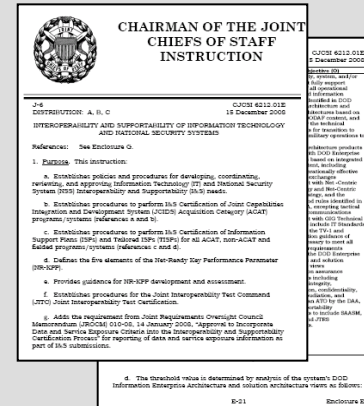


UCore Guidance and Policy in DoD

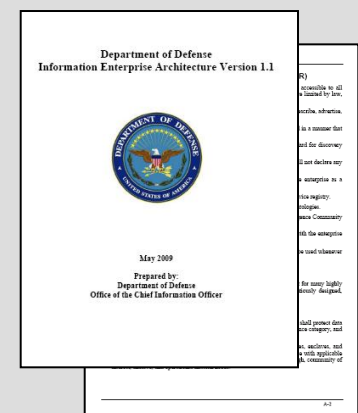


DoD IM & IT Strategy 2008 – 2009

- “Ensure all semantic vocabularies taxonomies and ontologies are developed through COIs, utilize the Universal Core and are registered with the enterprise for visibility, re-use and understandability in the DoD Metadata registry.”



CJCSI 6212.01E
15 December 2008



DIEA V1.1
May 2009

UCore Compliance

“Semantic, structural and security artifacts for data sharing shall be derived from the Universal Core (UCore), domain cores (e.g C2 Core), COIs, and other data standards” *CJCSI 6212.01E, 15 DEC 09*

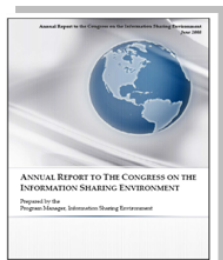
“Semantic vocabularies shall re-use elements of the DoD Intelligence Community –Universal Core information exchange schema.” *DIEA V1.1, MAY 2009*



UCore Endorsements, Guidance and Policy



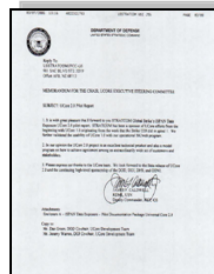
BTA Report to Congress



PM ISE to Congress



**IC Enterprise Architecture:
Information Sharing Collaboration
Success Story: Universal Core**



**USSTRATCOM
Endorsement**



DOJ / DHS Endorsement



DoD / IC Endorsement

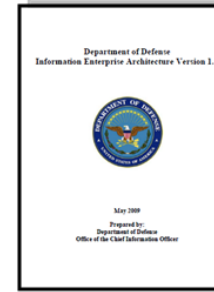
"Because UCore has been designed to be interoperable with NIEM and LEXS, current NIEM-based systems will not need to deviate from existing implementations to share information via UCore. The NIEM Program is fully committed to ensuring that future versions of NIEM and LEXS will be similarly compatible with UCore."

"UCore is a "big milestone on the road to cross-boundary information sharing"

Chief Architect, OMB



CJCSI 6212.01E



DIEA v1.1

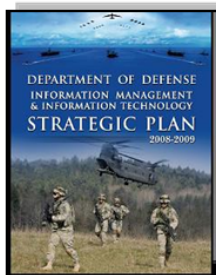


CTISS Program Manual

NIEM Program Office, Aug 2008



**Government
Computer News**



**DOD IM & IT
Strategic Plan**



**IDGA Award: "Outstanding Contribution to
the Department to NCW"**



**Federal CIO
Transition Guide**

"Thank you and congratulations to everyone who worked on this [UCore]. This means a lot now that we have a Universal Core. I would like to offer my assistance to keep this going. Many more organizations need to hear about it. This has tremendous implications. It is a critical turning point for information sharing."

**Ambassador McNamara,
PM ISE, special assistant to the President**



Clear Mandate



"Accelerate information technology enhancements, to include knowledge discovery, database integration, cross-database searches, and the ability to correlate biographic information with terrorism-related Intelligence."

*From President Obama Memorandum
dated 7 January 2010*



UCore Framework Strategy



There is no one size fits all solution –
The “data management” toolkit needs to contain a variety of approved data models, standards, and techniques to be applied as appropriate for a particular problem set.



“Right tool to fit the purpose of the Mission...”