

OFFICE OF THE DIRECTOR OF NATIONAL INTELLIGENCE  
Assistant Director of National Intelligence and Chief Information Officer  
Washington, DC 20511

ODNI/CIO-2011-0420

MEMORANDUM FOR: Distribution

SUBJECT: Technical Soundness Approval of XML Data Encoding  
Specification for Information Resource Metadata, Version 5

REFERENCES: A. Intelligence Community Directive (ICD) 500, DNI Chief  
Information Officer  
B. Intelligence Community Directive (ICD) 501, Discovery and  
Dissemination or Retrieval of Information within the IC  
C. Intelligence Community Directive (ICD) 710, Classification and  
Control Markings System  
D. Intelligence Community Directive (ICD) 206, Sourcing  
Requirements for Disseminated Analytic Products  
E. Intelligence Community Directive (ICD) 208, Write for  
Maximum Utility  
F. Intelligence Community Policy Memorandum (ICPM) 2007-200-2


1. This Technical Specification supports Director of National Intelligence (DNI) policy guidance set forth in the above References which call upon the Intelligence Community Chief Information Officer (IC CIO) to establish, coordinate, and promulgate common enterprise standards, protocols, interfaces, or procedures required to support IC information sharing strategies and intelligence mission objectives established in relevant law, policy, and directives. Under this authority, version 4 of the *XML Data Encoding Specification for Information Resource Metadata* is hereby approved as an IC technical data specification and is deemed technically sound and supportive of IC mission objectives.
2. The Office of the IC CIO facilitates one or more IC-wide collaboration and coordination forums charged with the adoption, modification, development, and governance of IC technical data specifications of common concern. The *XML Data Encoding Specification for Information Resource Metadata* is the product of these forums.
3. The *XML Data Encoding Specification for Information Resource Metadata*, version 5 (aka, IRM.XML.V5) defines detailed specifications for using Extensible Markup Language (XML) to encode information resource metadata in compliance with the Intelligence Community (IC) Abstract Data Definition. This Data Encoding Specification (DES) defines the XML elements and attributes, associated structures and relationships, mandatory and cardinality requirements, and permissible values for representing information resource metadata concepts using XML. This

DES uses the Department of Defense Discovery Metadata Specification (DDMS) as a base and builds on that base by specifying additional metadata needed to describe information resources in the IC. In some cases, this DES specifies additional constraints on the data.

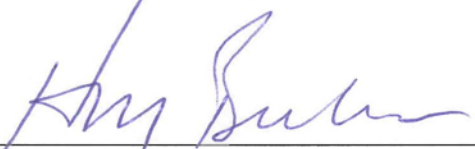
4. Version 4 of this specification was titled *XML Data Encoding Specification for Information Resource Metadata* and was signed by the IC CIO on 12 May 2011.

5. The *XML Data Encoding Specification for Information Resource Metadata*, version 5 is approved for submission to the IC Enterprise Standards Baseline (aka, the Intelligence Community Standards Registry), which serves as the collection of enterprise standards against which programs will be assessed for IC enterprise architecture compliance. Specific applicability and usage guidance for this version will be provided in the baseline citation once approved. This specification will also be available at DNI-sponsored web sites and in approved repositories.

6. This Technical Specification becomes effective on the date of signature.

  
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Susan D. Jaxel  
Chief, Intelligence Community  
Enterprise Architecture (Acting)

26 Aug 2011  
Date

  
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Henry M. Beebe  
Intelligence Community Chief Information  
Officer Technical Director

26 Aug 2011  
Date

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