2013-0560

MEMORANDUM FOR: Distribution

SUBJECT: Technical Soundness Approval of Technical Specifications

REFERENCES:

A. Intelligence Community Directive 500, *Director of National Security Chief Information Officer*, 7 August 08

B. Intelligence Community Standard 500-20, *Intelligence Community Enterprise Standards Compliance,* 16 December 10

C. Intelligence Community Information Technology Enterprise, Increment 1, Implementation Plan, 17 July 12

Director of National Intelligence (DNI) policy guidance calls upon the Intelligence Community Chief Information Officer (IC CIO) to establish, coordinate and promulgate common Information Technology (IT) standards, protocols and interfaces for and within the IC required to support information sharing strategies; intelligence mission objectives established in relevant law, policy and directives; and the IC information Technology Enterprise (IC ITE). The Office of the IC CIO facilitates IC-wide collaboration and coordination fora charged with adoption, modification, development and governance of IC technical specifications of common concern. Under IC CIO authority, the chair of the IC CIO-sponsored governance forum responsible for developing these specifications has determined that the following Intelligence Community Technical Specifications are technically sound, supportive of the IC mission objectives and the IC ITE, and are approved for use as of the date of this memorandum:

1) XML Data Encoding Specification for Information Security Marking Metadata V12 (ISM.XML.V12) - This version incorporates requiring the OC-NTK profile for ORCON data and incorporates the use of Access Control Encoding Specifications (ACES) for describing access control decision processes

2) XML Data Encoding Specification for Information Resource Metadata V11 (IRM.XML.V11) - This version adds support for using the new USAgency CES

3) XML Data Encoding Specification for Need-To-Know Metadata V10 (NTK.XML.V10) - This version added attributes for referencing access control policies that apply to need to know resources

4) XML Data Encoding Specification for IC-Enterprise Data Header V4 (IC-EDH.XML.V4) - This version adds support for using the independent CVEs as such it is incompatible with versions of ISM prior to V12

5) XML Data Encoding Specification for IC-Trusted Data Format V3 (IC-TDF.XML.V3) - This version adds support for some encryption techniques previously not possible
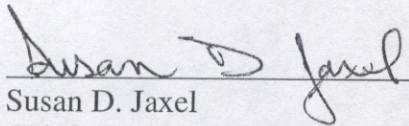
6) XML Data Encoding Specification for Access Rights and Handling V3 (ARH.XML.V3) - This version adds support for using the independent CVEs as such it is incompatible with versions of ISM prior to V12

7) Data Encoding Specification for the IC Full Service Directory Schema V2 (FSD.V2) - This version harmonizes FSD with UAAS in relation to Agency values

8) IC/DoD Interface Encoding Specification for CDR Brokered Search, V2.0 (BRK-SRCH.V2.0) - This version provides a common, consistent way to discover aggregate metadata about content resources from distributed content collections using either SOAP or in a RESTful way

9) IC/DoD IRM/DDMS Implementation Guide for CDR Search V2 (IRM-DDMS-SRCH.V2) - This document provides implementation guidelines for the use of the DoD Discovery Metadata Specification (DDMS) and IC Information Resource Metadata (IRM) specifications in query request expressions and query responses for the CDR Search Specification

10) XML Data Encoding Specification for Document and Media Exploitation V1 (DOMEX.XML.V1) - This version is the initial release of a set of TDF assertions for DOMEX data

11) XML Data Encoding Specification for Originator Controlled Need-To-Know Profile V1 (OC-NTK.V1) - This specification defines details for using Extensible Markup Language (XML) to encode ORCON distribution metadata in compliance with the Intelligence Community (IC) Abstract Data Definition

12) XML Data Encoding Specification for Intelligence Community Only Need-To-Know Profile V1 (ICO-NTK.V1) - This specification defines details for using Extensible Markup Language (XML) to encode IC only distribution metadata in compliance with the Intelligence Community (IC) Abstract Data Definition

13) Access Control Encoding Specification for Intelligence Community Only V1 (ICO.ACES.V1) - This version is the initial release of an Access Control Encoding for IC Only data. It is used in conjunction with updates to NTK to protect data that is for IC only use

14) Access Control Encoding Specification for Information Security Markings V1 (ISM.ACES.V1) - This version is the initial release and starts the path for documenting all of the access control requirements for ISM

15) Access Control Encoding Specification for Originator Controlled V1 (OC.ACES.V1) - This specification defines details for making an access control decisions using ISM attributes, OC-NTK, and some set of User attributes

16) XML CVE Encoding Specification for ISM Country Code and Tetragraphs V1 (ISMCAT.CES.V1) - This version is the initial decoupling of the CountryCode and Tetragraphs ISM uses from ISM allowing them to version independently.

17) XML CVE Encoding Specification for US Agency Acronyms V1 (USAgency.CES.V1) - This version is the initial release of a separately managed CVE for Agency Acronyms that represent the top-level agencies for use in ORCON decisions and tagging of people, NPEs and data

18) XML CVE Encoding Specification for US Government Agency Acronyms V1 (USGOVAgency.CES.V1) - This version is the initial release of a separately managed CVE for US Government Agency Acronyms as defined for the OC-USGOV marking
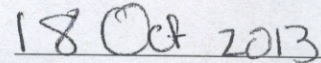
SUBJECT: Technical Soundness Approval of IC Technical Specifications

These Technical Specifications are approved for submission to the IC Enterprise Standards Baseline which services as the collection of enterprise standards against which programs will be assessed for IC Enterprise Architecture compliance. They can be accessed at http://go.ic.gov/fJetiT and http://go.ic.gov/BE5SRu on Intelink-TS and http://purl.org/IC/Standards/data-specs and http://purl.org/IC/Standards/service-specs on Intelink-U.

Susan D. Jaxel (signature)

Susan D. Jaxel
Chief, Enterprise Integration and Architecture Group
Office of the IC CIO

18 Oct 2013
Date

Attachment:
1. IC Technical Specification Mapping to IC/DoD Guidance

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<u>Distribution</u>:

<u>External Distribution</u>:
Chief Information Officer, Central Intelligence Agency
Chief Information Officer, Defense Intelligence Agency
Chief Information Officer, Federal Bureau of Investigation
Chief Information Officer, National Geospatial-Intelligence Agency
Chief Information Officer, National Reconnaissance Office
Chief Information Officer, National Security Agency
Chief Information Officer, Office of Intelligence, Department of Energy
Chief Information Officer, Office of Intelligence and Analysis, Department of Homeland Security
Chief Information Officer, Office of National Security Intelligence, Drug Enforcement Agency
Chief Information Officer, Bureau of Intelligence and Research, Department of State
Chief Information Officer, Department of Treasury
Chief Information Officer, U.S. Army
Chief Information Officer, U.S. Navy
Chief Information Officer, U.S. Air Force
Chief Information Officer, U.S. Marine Corps
Chief Information Officer, U.S. Coast Guard
Deputy Chief Information Officer, Department of Defense

Table 1 - Policy Trace Matrix

Policy Trace

	ARH	BRK-SRCH	DOMEX	FSD	IC-EDH	IC-TDF	ICO-ACES	ICO-NTK	IRM	IRM-DDMS-SRCH	ISM	ISM-ACES	ISMCAT	NTK	OC-NTK	USAgency	USGOVAgency
IC Information Technology Enterprise (IC ITE)																	
Intelligence Community Information Technology Enterprise (IC ITE) Increment 1 Implementation Plan	X	X		X	X	X	X	X	X	X	X	X	X	X	X	X	X
500 Series:																	
Intelligence Community Directive (ICD) 501, Discovery and Dissemination or Retrieval of Information within the IC	X	X		X	X	X	X	X	X	X	X	X	X	X	X	X	X
Intelligence Community Policy Guidance (ICPG) 500.1, Digital Identity				X													
Intelligence Community Policy Guidance (ICPG) 500.2, Attribute-based Authorization and Access Management				X													
Intelligence Community Standard (ICS) 500-13, Intelligence Community Optimized Network Email Display Name Format				X													
Intelligence Community Standard (ICS) 500-15				X													
Intelligence Community Standard (ICS) 500-21, Tagging of Intelligence and Intelligence-Related Information	X				X	X	X	X	X	X	X	X	X	X	X	X	X
Intelligence Community Standard (ICS) 500-29, IC Digital Identifier				X													
Intelligence Community Standard (ICS) 500-30, Enterprise Authorization Attributes: Assignment, Authoritative Sources, And Use For Attribute-Based Access Control Of Resources				X													
Joint IC/DoD Memorandum, IC and DoD Commitment to an Interoperable Service-Based Environment (13 Jul 07)		X								X							
200 Series:																	
Intelligence Community Directive (ICD) 206, Sourcing Requirements for Disseminated Analytic Products									X								
Intelligence Community Directive (ICD) 208, Write for Maximum Utility	X				X	X	X	X	X		X	X	X	X	X	X	X
Intelligence Community Directive (ICD) 209, Tearline Production and Dissemination	X				X	X	X	X	X		X	X	X	X	X	X	X

	ARH	BRK-SRCH	DOMEX	FSD	IC-EDH	IC-TDF	ICO-ACES	ICO-NTK	IRM	IRM-DDMS-SRCH	ISM	ISM-ACES	ISMCAT	NTK	OC-NTK	USAgency	USGOVAgency
Intelligence Community Policy Memorandum (ICPM) 2007-200-2, Preparing Intelligence to Meet the Intelligence Community's Responsibility to Provide	X				X	X	X	X	X		X	X	X	X	X	X	X
300 Series:																	
Intelligence Community Directive (ICD) 302, Document and Media Exploitation			X														
700 Series:																	
Intelligence Community Directive (ICD) 710, Classification and Control Markings System	X										X	X	X	X	X	X	X
Intelligence Community Policy Guidance (ICPG) 710.1, Application of Dissemination Controls: Originator Control	X										X	X	X	X	X	X	X
DoD Directives:																	
Department of Defense Directive Number 3300.03, DoD Document and Media Exploitation (DOMEX)			X														