

OFFICE OF THE DIRECTOR OF NATIONAL INTELLIGENCE
WASHINGTON, DC 20511

2019-225

MEMORANDUM FOR: Distribution

SUBJECT: (U) Technical Soundness Approval of Intelligence Community
Technical Specification Updates (2019-SEP Release)REFERENCES: A. (U) Intelligence Community Directive 500, *Director of
National Security Chief Information Officer*, 7 August 2008
B. (U) Intelligence Community Standard 500-20, *Intelligence
Community Enterprise Standards Compliance*, 16 December
2010

(U) Intelligence Community (IC) policy issued by the Director of National Intelligence (e.g. reference A) 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, as required, to support information sharing strategies; intelligence mission objectives established in relevant law, policy and directives; and the IC information Enterprise (IC IE).

(U) The Office of the IC CIO facilitates IC-wide collaboration and coordination bodies charged with development, modification, and governance of IC Technical Specifications of common concern. As the IC CIO accountable official responsible for developing and coordinating these specifications among IC element and external stakeholders, I hereby assert that the following IC Technical Specifications are technically sound, supportive of IC mission objectives and the IC IE, and are implementable as of this memorandum's signature date:

- 1) *XML Data Encoding Specification for Information Security Markings V2019-MARr2019-SEP* (ISM.XML.V2019-MARr2019-SEP) – This revision added HCS-X to SCIcontrols, updated libraries to render rule numbers, and updated SCIcontrols CVE per requirements from Special Programs.
- 2) *Access Control Encoding Specification for Information Security Markings V2019-MARr2019-SEP* (ISM.ACES.V2019-MARr2019-SEP) – This revision modified rules for tokens in the attribute support hierarchical SCIs and removed special access logic rules for HCS.
- 3) *Data Encoding Specification for IC Full Service Directory Schema V2019-SEP* (FSD.XML.V2019-SEP) – This revision updated changes to the documentation and added a new attribute for instant messaging identifier.
- 4) *IC Enterprise Attribute Exchange Between IC Attribute Services Unified Identify Attribute Set V2019-SEP* (UIAS.XML.V2019-SEP) – This version updated


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documentation to use the specification framework, removed the Dependency Over Time table, updated multiplicity to match UML format, added rule to check that every SCI token in Fine Access Control with a “-“ also has the token without the last “-xxx”, changed countryOfAffiliation to use IC-GENC country codes, and updated auditRoutingOrganization multiplicity and values.

- 5) *Attribute Practice Compliance Statements for Unified Identity Attribute Set V2019-SEP* (UIAS-APCS.V2019-SEP) – This version modified rules for tokens in the attribute support hierarchical SCIs and updated chapters for consistency with other specifications.
- 6) *Controlled Vocabulary Encoding Specification for Fine Access Control V2019-SEP* (FAC.CES.V2019-SEP) – This version modified FAC CVEs to support hierarchical SCIs, added HCS-X to SCIcontrols, updated SCIcontrols per ODNI Special Programs, and updated chapters for consistency with other specifications.
- 7) *Controlled Vocabulary Encoding Specification for Information Security Marking Country codes and Tetragraphs V2019-SEP* (ISMCA.T.CES.V2019-SEP) – This revision updated memberships based on updated values from Partner Engagement.
- 8) *CVE Encoding Specification for Geopolitical Entities, Names, and Codes V2019-SEP* (IC-GENC.XML.V2019-SEP) – This revision implements GENC Edition 3 Update 11.
- 9) *XML Data Encoding Specification for Production Metrics Assertion V2019-MARr2019-SEP* (PMA.XML.V2019-MARr2019-SEP) – This revision corrects the omission of the Production Metrics CESVersion attribute.

(U) In accordance with reference B, these Technical Specifications are approved for submission to the IC Enterprise Standards Baseline (IC ESB) which services as the collection of enterprise standards against which programs will be assessed for IC Enterprise Architecture compliance. The IC Technical Specifications can be accessed at <http://go.ic.gov/RxSUraG> on Intelink-TS and <http://www.w3id.org/ic/standards/final> on Intelink-U.

(U) This memorandum becomes effective on the date of signature.


 Susan T. Dorr
 Director, Cybersecurity Division &
 Intelligence Community Chief Information Security Officer

10 Oct 2019
 Date

Attachment:

1. (U) *IC Technical Specification Mapping to IC/DoD Guidance* (2019-SEP Release)

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Distribution:

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Director of Intelligence, U.S. Marine Corps
Assistant Secretary of Defense for Networks and Information Integration/Chief Information Officer, U.S. Department of Defense
Under Secretary of Defense for Intelligence

Table 1 - Policy Trace Matrix

	FAC-CES	FSD	IC-GENC	ISM	ISM-ACES	ISM/CAT-CES	PMA	UIAS	UIAS-APCS
500 Series:									
ICD 500	X	X	X	X	X	X	X	X	X
ICD 501	X		X	X	X	X	X	X	X
ICPG 500.1		X						X	X
ICPG 500.2		X						X	X
ICS 500-13		X							
ICS 500-15		X							
ICS 500-20	X	X	X	X	X	X	X	X	X
ICS 500-21	X		X	X	X	X			
ICS 500-27								X	X
ICS 500-29		X						X	X
ICS 500-30		X						X	X
200 Series:									
ICD 206			X						
ICD 208	X		X	X	X	X			
ICD 209	X		X	X	X	X			
ICPM 2007-200-2	X		X	X	X	X			
700 Series:									
ICD 710	X			X	X	X			
ICPG 710.1	X			X	X	X			
ICPG 710.2				X					
ICPG 704.5								X	X
100 Series:									
ICD 121								X	X
Memorandums:									
OMB Memo M-11-11								X	X
IC CIO Memo 2018-081								X	X

	FAC-CES	FSD	IC-GENC	ISM	ISM-ACES	ISMCAI-CES	PMA	UIAS	UIAS-APCS
Executive Orders:									
E.O. 13526				X	X				
E.O. 13556				X	X				
Presidential Directives									
HSPD-12								X	X
Implementing Directives:									
32 CFR Parts 2001 and 2003				X	X				
32 CFR Parts 2002				X	X				
32 CFR Parts 2003				X	X				
32 CFR Parts 2004 Amendment				X	X				