

OFFICE OF THE DIRECTOR OF NATIONAL INTELLIGENCE
OFFICE OF THE INTELLIGENCE COMMUNITY CHIEF INFORMATION OFFICER
WASHINGTON, DC 20511

2018-093

MEMORANDUM FOR: Distribution

SUBJECT: (U) Technical Soundness Approval of Intelligence Community
Technical Specification Updates (2018-APR 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 Environment (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) *Access Control Encoding Specification for Information Security Markings* V2018-APR (ISM.ACES.V2018-APR) – Updates to use more generic logic for SCI controls, incorporates logic for making access decisions with unpublished markings, and adds a SECRET annex.
- 2) *Access Control Encoding Specification for Need-To-Know* V2018-APR (NTK.ACES.V2018-APR) – This version incorporates access logic for the new NTK.XML access profile for Restrictive Authority Categories.
- 3) *Controlled Vocabulary Encoding Specification for Authority Categories* V2018-APR (AUTHCAT.CES.V2018-APR) – This specification is being reinstated out of UIAS to facilitate the common sharing between UIAS and the new NTK Profile for Restrictive Authority Categories.
- 4) *Controlled Vocabulary Encoding Specification for Fine Access Controls* V2018-APR (FAC.CES.V2018-APR) – This specification is being reinstated

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out of UIAS to enable the list of fine access controls to revise at a faster pace than the data format UIAS.XML.

- 5) *Controlled Vocabulary Encoding Specification for Information Security Marking Country Codes and Tetragraphs* V2018-APR (ISMCAT.CES.V2018-APR) – This specification is being revised to align with the latest tetragraph memberships changes from the authoritative source.
- 6) *Data Encoding Specification for Body of Evidence* V2018-APR (BOE.XML.V2018-APR) – This specification is being added as an emerging member of the technical specifications family. The purpose of BOE.XML is to facilitate the exchange of the body of evidence for system security information and accreditation to promote reciprocity between agencies/organizations. This specification seeks to promote a standardized way for agencies/organizations to document and exchange information about their systems and the system security plan so that it is easily processable by stakeholders that need to determine if a system meets their security postures. In doing so, the specification aims to improve and expedite the understanding of the necessary information to make decisions of whether a system can support their uses.
- 7) *XML Data Encoding Specification for Contextual Entity Markup* V2018-APR (CEM.XML.V2018-APR) – This specification is being added to the technical specifications family. This XML Data Encoding Specification for Contextual Entity Markup (CEM.XML) defines detailed implementation guidance for xml-encoding of entities within document context. The purpose of contextual entities is for use in other specifications such as PUBS.XML. This DES is designed to fulfill a number of requirements in support of the transformational efforts of the IC. These requirements include: capturing descriptive metadata markup and supplementing other specifications with descriptive metadata markup.
- 8) *Data Encoding Specification for Intelligence Community Docbook* V2018-APR (IC-Docbook.XML.V2018-APR) – This specification is being added as an emerging member of the technical specifications family to adapt the international standard of Docbook to have IC unique metadata, specifically Information Security Marking (ISM) Metadata to promote the use of an international standard where applicable. IC-Docbook also provides tools for rendering an IC-Docbook instance document into PDF.
- 9) *Data Encoding Specification for Information Security Markings* V2016-SEPr2018-APR (ISM.XML.V2016-SEPr2018-APR) – This revision incorporates the addition of some unpublished SCI controls.
- 10) *Data Encoding Specification for Need-To-Know* V2016-SEPr2018-APR (NTK.XML.V2016-SEPr2018-APR) – This revision incorporates a new access profile for Restrictive Authority Categories.
- 11) *Data Encoding Specification for Publications* V2018-APR (PUBS.XML.V2018-APR) – This version of PUBS incorporates the extraction

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of the descriptive in-line markup elements into the new DEL.XML specification and is updated to use the new DEL.XML.

- 12) *Data Encoding Specification for Revision Recall* V2014-DECr2018-APR (RevRecall.V2014-DECr2018-APR) – This revision is a maintenance release to tidy up the specification based on community requests.
- 13) *Data Encoding Specification for Unified Identity Attribute Set* (UIAS.XML.V2018-APR) – This version incorporates the extraction of AUTHCAT and FAC into their own CES specifications and is updated to use the new standalone CESs.
- 14) *Data Encoding Specification for Information Transport Service Messaging Service* V2015-Febr2018-APR (ITS-MS.XML.V2015-Febr2018-APR) – This version supports ITS-MS deployment on the Secret fabric.

(U) In accordance with reference B, these IC Technical Specifications are approved for submission to the IC Enterprise Standards Baseline (IC ESB) which serves 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, Cyber Security Division &
Intelligence Community Chief Information Security Officer

29 June 2018
Date

Attachments:

1. (U) *IC Technical Specification Mapping to IC/DoD Guidance (2018-APR Release)*

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