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OFFICE OF THE DIRECTOR OF NATIONAL INTELLIGENCE
WASHINGTON, DC 20511

2021-0323

MEMORANDUM FOR: Distribution

SUBJECT: Technical Soundness Approval of Intelligence Community
Technical Specification Updates (2021-JAN Release)

REFERENCES: A. Intelligence Community Directive 500, *Director of National
Security Chief Information Officer*, 7 August 2008
B. Intelligence Community Standard 500-20, *Intelligence Com-
munity Enterprise Standards Compliance*, 16 December 2010

Reference A requires 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: 1) information-sharing strategies, 2) intelligence mission objectives established in relevant law, policy and directives, and 3) the IC Information Environment (IC IE).

The Office of the IC CIO facilitates IC-wide collaboration and coordination with entities 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 elements and external stakeholders, I hereby assert that the following IC technical specifications are technically sound and supportive of IC mission objectives and the IC IE. These IC technical specifications are implementable as of this memorandum's signature date:

- 1) *XML Data Encoding Specification for Trusted Data Format - Base V2021-JAN* (BASE-TDF.XML.V2021-JAN) – This new specification defines the base trusted data format (TDF) elements and attributes used with all other TDF specifications.
- 2) *XML Data Encoding Specification for Cross Domain System Manifest Assertion V2021-JAN* (CDSM.XML.V2021-JAN) – This new specification supports transformational efforts such as transporting things (e.g., patches) from one network to another and facilitating communication between groups (e.g., government and industry) with regard to the transport of things.
- 3) *XML Data Encoding Specification for Cross Domain System Manifest TDF V2021-JAN* (CDSM-TDF.XML.V2021-JAN) – This new specification is a minimized profile of TDF for commercial entity use in unclassified, uncaveated environments, providing non-repudiation and secure cross-domain transfer of artifacts (e.g., patches) across the enterprise's various domains.

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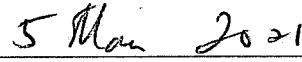
- 4) *XML Data Encoding Specification for DigitalHazMat Assertion V2021-JAN*(DHZM.XML.V2021-JAN) – This new specification supports transformation efforts such as allowing for a shared common technique to securely encapsulate, obfuscate, and transport potentially malicious artifacts from one network to another. It also normalizes metadata to facilitate communication between groups (e.g., government and industry) with regard to digital hazmat provenance and analysis (e.g., isolated environments for triage, classified environments for deep analysis, multiple assertions for group analysis).
- 5) *XML Data Encoding Specification for DigitalHazMat Commercial TDF V2021-JAN* (DHZMC-TDF.XML.V2021-JAN) – This new specification is a minimized profile of TDF for commercial entity use in unclassified, uncaveated environments, providing non-repudiation, obfuscation, and secure cross-domain transfer of digital hazmat across the various domains in the enterprise for provenance and analysis.
- 6) *Intelligence Community Specification Framework V2021-JAN* (IC SF.XML.V2021-JAN) – This specification is revised to add schema fragments and rules that may be imported into specifications that need hash verification to verify the contents of a payload.

In accordance with reference B, The 2021-JAN version of the 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 <https://w3id.org/ic/standards/final> on Intelink-U.

This memorandum becomes effective on the date of signature.



C. Matthew Conner
Director, Cybersecurity Group &
Intelligence Community Chief Information Security Officer



Date

Attachment:

1. *IC Technical Specification Mapping to IC/DoD Guidance* (2021-JAN Release)

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Director of Naval Intelligence, U.S. Navy
Deputy Chief of Staff for Intelligence, Surveillance and Reconnaissance, A2, U.S. Air Force
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

	BASE-TDF	CDSM	CDSM-TDF	DHZM	DHZMC-TDF	IC-SF
500 Series:						
ICD 500	X	X	X	X	X	X
ICD 501	X	X	X	X	X	
ICPG 500.2						X
ICS 500-20	X	X	X	X	X	X
ICS 500-21	X					
200 Series:						
ICD 208	X					
ICD 209	X					
ICPM 2007-200-2	X					