[DoD Cloud Computing Security Requirements Guide (SRG) V1R4, 14 January 2022 (cyber.mil)](cyber.mil)

Note: For XML exchanges, National Information Exchange Model (NIEM) based XML is the preferred format IAW DoDI 8320.07[43], August 3, 2015. Additional information regarding this format can be found at www.niem.gov.

[DoDI 8110.01, "Mission Partner Environment Information Sharing Capability Implementation for the DoD," Effective June 30, 2021 (whs.mil)](whs.mil)

1.2. POLICY.

a. To enhance national defense, increase lethality, and strengthen alliances, the DoD promotes effective information sharing, in accordance with applicable Federal laws, policies, and agreements, among mission partners (MPs), which include:

(1) Other Federal departments and agencies.

(2) State, local, and tribal governments and agencies.

(3) Non-government organizations.

(4) Private sector organizations.

(5) Allies, coalition members, host nations, and other nations.

(6) Multinational treaty

…

f. A common set of standards, protocols, and interfaces will be used to enable the sharing of DoD data, information, and information technology (IT) services in accordance with North Atlantic Treaty Organization (NATO) Federated Mission Networking (FMN) Management Group specifications, DoDI 5400.11, DoD 5400.11-R, DoDM 5240.01, Section 801 of Public Law 110-53, DoDI 8310.01, and DoDI 8551.01. (1) Pursuant to DoDI 8320.07, the National Information Exchange Model must be considered when deciding which data exchange standards or specifications meet mission and operational needs.

…

2.10. OSD AND DOD COMPONENT HEADS, EXCEPT FOR DOT&E. The OSD and DoD Component heads, except for DOT&E:

…

n. Comply with the National Information Exchange Model and FMN technical specifications and standards developed by NATO's FMN Management Group

TACTICAL DATA LINK STANDARDIZATION AND INTEROPERABILITY

Enclosure A

p. Joint Interoperability of Tactical Command and Control Systems Transformation.

(2) The DoD adoption of the National Information Exchange Model (NIEM) will serve as the basis for a significant portion of its data exchange strategy and may facilitate the ability to share information among multinational, interagency, and Service entities. DoD programs will consider and apply NIEM for XML-based message exchanges where its application is determined to be useful and practical. DOD's strategy includes the Military Operations (MilOps) domain. The MilOps domain which provides shared data definitions, methods, and tools which may be used in multiple formats and standards.

LOE 8.3 – Implement information-sharing standards.

• Implement the National Information Exchange Model (NIEM) as a preferred information exchange specification in GCCS-J and interfacing systems to improve interoperability and understandability at the data objective level

(9) National Information Exchange Model (NIEM)—a set of common, approved XML data elements and definitions vetted through the international, Federal, state, local, tribal, and private sectors developed to increase information-sharing between organizations.

(a) Army organizations will consider a "NIEM-First" strategy in accordance with DODI 8320.07 for new system and systems being modernized when developing an XML-based information exchange specifications.

(b) When NIEM is not the most efficient or effective means to address an information-sharing requirement, organizations will document the technical, fiscal, and operational reasons why the alternative approach is better and will submit a request for an exception to the "Consider NIEM-First" policy to the DOD–CIO, as described in DODI 8320.07

3. POLICY. It is DoD policy that:

b. In accordance with DoD CIO Memorandum (Reference (i)), and except as required otherwise by law or DoD policy, the use of National Information Exchange Model (NIEM)- based exchanges must be considered for all new Extensible Markup Language (XML) information exchanges created and for all XML information exchanges being modernized as part of the normal lifecycle management for these information exchanges.

ENCLOSURE 2

1. DoD CIO. The DoD CIO:

q. Establishes and maintains the processes and governance to ensure compliance with the "Consider NIEM First" policy. Clarifies how NIEM relates to the use of the core set of standards and shared vocabularies for information exchange and applications developed, in accordance with Reference (d), DoD Discovery Metadata Specification (DDMS) (Reference (ad)), and DISR-approved standards and specifications

ENCLOSURE 3

2. PROCEDURES

a. DoD Components, program managers, functional owners and managers, and COIs, within their functional purview, will: (1) Ensure system developers, data producers, and data providers: (a) Consider the NIEM standards-based approach first when developing XML information exchanges. In accordance with paragraph 3b above the signature of this instruction, the "Consider NIEM First" policy applies when DoD organizations are developing an XML information exchange for a new information exchange requirement or working an update to an existing information exchange. The "Consider NIEM First" rule applies to individual interfaces. Programs and systems follow the rule by using NIEM on each interface as applicable.

1. When considering NIEM for an information exchange, organizations will perform a business case assessment to compare the suitability of NIEM to that of any potential alternative approaches.

2. When NIEM is not the most efficient or effective means to address an information sharing requirement, organizations will document the technical, fiscal, and operational reasons why the alternative approach is better and will submit a request for an exception to the "Consider NIEM First" policy to the DoD CIO, as described in section 4 of this enclosure.

[DoD CIO Memorandum, "Adoption of the NIEM within the DoD", 2013-03-28 (defense.gov)](#)