

NIEM MILSTDs, CJCSIs, DODIs & STANAGs Candidates

Effort	Partner ORGs	Overview	Status
Integrating NIEM via STANAGs NCDF STANAG 5653	JS J6, Germany, NATO ACT / NCIA)	Semantics: MIP Information Model (MIM) UML format to NIEM-conformant XML creation. Syntax: NATO XML Naming Design Rules to mimic NIEM	Share COMPSPOT IEPD with German MTF Rep Nico (already approved by ACC). Once Nico’s support contract is in place, continue to engage and share as appropriate USMTF work already done. This will ensure quicker alignment between U.S. and NATO.
MILSTD 6040 (USMTF) NIEM Conformance approach, STANAG 7149/APP-11	USMTF CCB	Onboard/Technical Support to transform existing USMTF XML into a NIEM conformant construct. Potential to include 20,000 new data components into the MilOps Domain	USMTF migrating to NIEM XML; anticipate completion FY23; NATO MTF to evaluate U.S. product once released.
MILSTD 6016 (Link-16) Tactical Data Link J-series messages XML standardization STANAG 5516	Joint Multi-TDL CCB	Approved Draft Interface Change Proposal to develop Appendix to provide guidelines for generation of J-Series message data as NIEM conformant XML	The appendix to 6016 will provide for the conversion of J-series binary messages to XML; and back to binary. One of the primary considerations of this effort is NIEM conformance. Two challenges currently being worked: <ul style="list-style-type: none">a. J-Series messages do not convert directly to NIEM.b. Identification of a binary to XML conversion that will support NIEM conformance.c. NATO ahead of U.S. w/ DFDL; U.S. considering leveraging DFDL to produce NIEM conformant XML of J-series messages
MILSTD 6520	NATO, Greece	C3B Interim Measure regarding geographical Entities for C3 Standards Addendum 2 to AC/322-N(2017)0092	
MILSTD 2525 Symbology STANAG 2019/APP-6	NATO	Standardized set of graphical symbols for the display of Information in C2 Systems and Applications.	Both U.S. and NATO standards aligned; NIEM v3.0 and v4.0 support exchanging SIDC codes.
Joint All Domain Command and Control (JADC2)	Joint Staff, CDAO, OUSD, DOD MPE Exec Agency	Warfighting Capability intended to Sense, make Sense and Act at all levels and phases of war and across all domains with partners, to deliver information advantage at the speed of relevance.	Currently being implemented through five stable and enduring Lines of Efforts, objectives and tasks to achieve strategic goals. Multiple reafferences to NIEM in the JADC2 RA Enclosure D (JADC2 Capability Development and Analytical Framework) within the Application and services, Interface and Data & Information principals. Also, Referenced at the JADC2 RD Standard View 2.

NIEM MILSTDs, CJCSI & STANAGs Candidates

Effort	Partner ORGs	Overview	Status
CJCSM 3265.01A JOINT COMMAND AND CONTROL (C2) REQUIREMENTS MANAGEMENT PROCESS AND PROCEDURES	Joint Staff		Currently reference NIEM section 5.3 Mission Partner Interoperability, Section 7 Data
CJCSI 6610.01F TACTICAL DATA LINK STANDARDIZATION AND INTEROPERABILITY	Joint Staff		Currently reference NIEM
DODI 8110.01 MISSION PARTNER ENVIRONMENT INFORMATION SHARING CAPABILITY IMPLEMENTATION FOR THE DOD	DoD CIO		Section 1.2. Policy f 1 Section 2.10 OSD AND DOD COMPONENT HEADS, EXCEPT FOR DOT&E Currently require compliance with NIEM
DODI 8320.07 Implementing the Sharing of Data, Information, and Information Technology (IT) Services in the Department of Defense	DoD CIO		NIEM First Policy
DODD 819001e Defense Logistics Management Standards (DLMS)	USD (A&S)		Chg.3 Enclosure 2 page 6 Incorporates changes to ASC X12 standards into DLMS in accordance with the NIEM
DoD Instruction 8170.01 ch 1, Aug 2021 Online Information Management and Electronic Messaging			Section 3.11 Data b. Architect new DoD electronic messaging services for openness and expose high-value data and content as Web APIs at a discrete and digestible level of granularity with metadata tags, in accordance with the May 23, 2012 Federal CIO Memorandum and the tagging concepts and standards found in DoDI 8320.07
IC Data-Centric Framework and Joint Guidance Plan, 24 Jan 2023	NSA	The IC Joint Guidance Plan is a living document, reviewed periodically, and based on lessons learned from the mission sprints and refinement of the Data-Centric Framework.	NIEM is mentioned under for data-related activities, “an organization should adopt controlled vocabularies and terminologies”. Also, NIEM is under the reference standards under guidance such as “IC Elements should conform to NIEM standards to enable humans querying”