[mm/dd/yyyy

National Information Exchange Model

Military Operations (MilOps) Domain

Value Proposition

〈NIEM〉

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Introduction

Purpose
This Domain Value Proposition document outlines the benefits and value that a Military Operations (MilOps) Domain represents to the Department of Defense (DoD) and the NIEM Community as a whole. It also contains information intended to assist the NIEM Program Management Office (PMO) in identifying whether or not there are overlaps with existing domains, opportunities for increased information sharing with the requesting COI, across domains, and across jurisdictional boundaries.

Domain Value Proposition

The following section describes the value proposition of establishing a MilOps Domain in NIEM.

ADMINISTRATIVE
The following section identifies the point of contact (POC) responsible for the submission of the template.

Table 1 Administrative Requirements

Submitter Details	
Name	Ryan Schultz
Organization	Joint Staff J6, Deputy Director C2I, Data and Services Division
Email	ryan.r.schultz.civ@mail.mil
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DOMAIN BASICS & SUPPORT
The following section identifies the proposed name, value proposition and domain support information i.e., stewardship, points of contact, support staff, and membership.

Table 2 Domain Basics

Domain Basics: Provide the name of the domain being proposed and a brief summary of the value proposition of establishing the domain both in terms of the NIEM Community as well as the added value to the COI that the domain will represent.	
Domain Candidate Name	Military Operations (MilOps)
Summary of Value Proposition	**Overall Benefit of Establishing the MilOps Domain:** A MilOps Domain will improve data and information sharing within DoD, and between DoD, federal, state, local and tribal entities, and internationally among DoD and other nations. This benefit will strengthen DoD

support / integration into the national emergency response system for ongoing national security missions, as well as enable more comprehensive responses during natural disasters or man-made catastrophic events, both domestically and internationally.

Benefit to NIEM Community: Establishment of the MilOps Domain significantly increases DoD-wide use of a common and standard data and information sharing system. Using NIEM increases interoperability within the DoD and other federal, state, local and tribal entities, thereby contributing to improved responsiveness and mission accomplishment. The commonality of features and reusability of sharing protocols reduces development and maintenance costs for any non-DoD entity seeking information sharing links. Further, a MilOps Domain broadens accessibility of information to the NIEM community from the DoD in terms of data and information sharing development.

Benefit to DoD Communities of Interest (COI): NIEM provides a best-practices model that will help DoD align existing military eXtensible Markup Language (XML) data standards, both within DoD and with non-DoD organizations. Additionally, the adoption of NIEM directly supports the DoD Net-Centric Data Strategy to improve interoperability by making data visible, accessible, and understandable on the enterprise. Establishment of a MilOps Domain facilitates the DoD Communities-of-Interest (COIs) compliance with Executive and Legislative direction to increase use of standard data and information sharing processes, and, by extension, to multiple national COIs interacting with diverse parts of the DoD.

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Table 3 Domain Support Personnel

Domain Support	
Domain Steward	The functions of the MilOps Domain Steward are performed by the Joint Staff, as designated by the Department of Defense Chief Information Officer (DoD CIO). To promote collaboration within the Department, and broaden support for NIEM adoption, the Domain Steward is supported by a tri-chair committee, composed of SES-level chairs from the Office of the DoD CIO, the Office of the Under Secretary of Defense for Acquisition, Technology and Logistics (USD (AT&L)), and the Joint Staff (JS J6). The Committee consists of membership by senior representatives from other key offices and staffs, the military services, and functional DoD bodies with responsibilities pertaining to establishment, maintenance, and improvement of DoD information exchange networks and systems. This oversight arrangement combines key policy, operational and acquisition functions within DoD for a comprehensive oversight of the MilOps Domain.

Name:	Mr. Martin Westphal
Organization:	The Joint Staff, Vice Director, Command and Control, Communications and Computers/Cyber (JS J6),
Domain POC	The individual identified as the domain representative that will act as the liaison between the domain and the NIEM PMO and governance committees.
Name:	Mr. Stuart Whitehead
Organization:	Joint Staff J6, Deputy Director Command and Control Integration (DD C2I)
Domain Committee Support Staff	The individual(s) responsible for working with the Domain POC to manage the activity of the domain.
Name:	Mr. Ryan Schultz
Organization:	Joint Staff J6, Deputy Director C2I, Data and Services Division
Domain Modeler	The individual(s) responsible for the development and maintenance of the domain model.
Name:	Mr. Scott Bell / Mr. James Bohling
Organization:	Joint Staff J6, Deputy Director C2I, Data and Services Division

*NOTE: The above listed positions and names may be assigned to one or to multiple individuals, depending on the activity level and growth of the Domain.

MILOPS DOMAIN DETAILS

The following section of the value proposition identifies the COI supported by the proposed MilOps Domain. It also provides a high-level summary of the types of data, potential information exchanges, and relevant external standards to be used by the domain as well as areas of possible NIEM reuse.

Table 4 COI Entities

COI Entities: A group of federal, state, local, tribal and industry stakeholders with a common interest, often to build and implement information exchanges within a given functional area or line of business (E.g., Local Enforcement, Border Protection, Family Services, etc.). The term COI is meant to be inclusive and general, and to convey the breadth and depth of the community that a domain governance group must adequately represent.	
1	By nature of its national mission, the DoD comprises COIs that focus on national security issues and events. The proposed Domain is called Military Operations (MilOps) to provide

quick reference to the NIEM Community of the primary content and focus of the domain. However, execution of military functions and missions encompasses a very broad scope of activities such as Command and Control, Logistics, Medical, Business, Administrative, Safety, Law Enforcement, and others. Currently, DoD is a NIEM partner in the Maritime Domain and is connected with different pertinent COIs supporting that domain. The DoD expects a profusion of interest and participation in the MilOps Domain by DoD Combatant Commands, Services, and Agencies (CC/S/A).

Table 5 Domain Data by Subject Area

Sample Domain Data by Subject Area: Provide a high-level look at the types of domain data that will be exchanged via the proposed domain. Please provide information at the component level, e.g. Defendant, Patient, Activity,	
1	Command and Control, Joint Fires, Personnel Recovery, Search and Rescue, Counter Drug Operations, Border Control, Defense of the Homeland, Cyber, Chemical-Biological-Radiological-Nuclear-High Explosive (CBRNE) (and associated permissions data for controlling access to the information). Information to be exchanged will primarily enable decision making from the lowest to the highest levels of the DoD.

Table 6 Anticipated Information Exchanges

Information Exchanges: Provide a list of the information exchange scenarios that would potentially be developed and supported by the proposed domain. With each exchange, please identify the potential exchange partners within that scenario. This information will assist identifying areas for cross-domain or cross-agency information exchange.		
#	Scenario	Exchange / Partner
1	National Security Missions	TBD
2	National Level Disaster Response/Relief	TBD
3	International Disaster Response/Relief	TBD

Table 7 Relevant External Standards

Relevant External Standards: Provide a list of any external standards to NIEM that are used by the proposed domain's COI and how those external standards will integrate with NIEM. For example, Emergency Data Exchange Language (EDXL) for the Emergency Management Domain, Geography Markup Language (GML) for the Geospatial components found within NIEM core.		
#	**Data Standard**	**Integration with NIEM Standard**
1	C2 Core	Command and Control (C2) Core is a DoD developmental XML-based data exchange standard that will provide the initial data components for the NIEM MilOps Domain.
2	Geography Markup Language (GML)	GML is used for the Geospatial components found within NIEM core. GEO4NIEM pilot and MOGIE interoperability experiment are defining best practices and limitation of using GML with NIEM.
3.	Open Geospatial Consortium (OGC) Standards	For Geospatial services implementation of NIEM IEPDs. GEO4NIEM pilot and MOGIE interoperability experiment are defining how NIEM can best be used with OGC standards.
4.	Intelligence Community Standards (e.g., ISM, NTK, etc.)	Specify security tags and other IC metatags required when exchanging certain intelligence, defense, homeland security and law enforcement information. Support for IC standards is built into NIEM v3.0.
5.	Global Force Management Data Initiative (GFM DI)	GFM DI is the DoD data standard for representing force structure data. It will integrate with NIEM by enabling all NIEM-compliant systems to easily identify DoD force structure (e.g., manpower, organizations, equipment) in automated fashion, thus allowing non-DoD agencies using GFM DI standards within the MilOps Domain to rapidly identify composition of military forces of interest, such as an infantry company needed to help fight a forest fire.

Table 8 POAM

1 Fiscal Year Plan of Actions and Milestones: Provide a notional 1 fiscal year timeline of planned actions and milestones for the development of the proposed domain.	
#	**Action /Milestone**
1	Appendix A: Proposed MilOps Domain Plan of Actions and Milestones.

Appendix A: NIEM MilOps Domain Plan of Actions and Milestones

This POA&M is subject to update and changes to balance resource, time and requirements.

POA&M: DOD TECHNICAL ACTIONS

MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	

Release conformant artifact   I------------∎ (15 NOV)

Mil Ops comments submitted   I------- (29 NOV)

Revised artifact   I---------∎ (13 DEC)

Mil Ops comments submitted   I---- (2 DEC)

Mil Ops Domain model v1.0   I---∎ (27 DEC)