



## Meeting Minutes

Meeting Logistics	
<b>Meeting Title:</b>	MILOPS Domain April 2022 Meeting
<b>Meeting Location:</b>	Microsoft Teams Virtual Conference
<b>Co-Chairs:</b>	Katherine Escobar, Beth Smalley
<b>Secretariat</b>	Lavdjola Farrington
<b>NBAC Liaison</b>	Steven Sullivan
<b>Date of Meeting: (MM/DD/YYYY)</b>	13 APR 2022
<b>Minutes Prepared By:</b>	Lavdjola Farrington

Purpose of Meeting
Military Operations Domain Updates



## Meeting Agenda / Discussion

1. Opening Remarks; Katherine Escobar
  - a. Ms. Escobar kicked off the meeting by allowing new members to introduce themselves so we can better understand that everyone who is supporting this domain is representing the best interest of the organization and how we can return the favor to better support the members.
2. Domain Way Forward
  - a. MILOPS domain storing content has moved from APAN to GitHub for non sensitive content. The goal is to make NIEM an open standard. We are continuing to improve the site and upload MILOPS related documents. **Link to GitHub site:** <https://niem.github.io/community/milops/>
  - b. We will be formalizing the membership for MILOPS Domain. There will be three categories: Change Control Board (CCB), Domain, and Participants. Those members who are part of the CCB will be the voting members and decide on changes and updates to the MILOPS Domain model. The CCB members will also be part of the Domain membership and provide support to domain activities, recruiting, and mentorship to organizations within the domain. The third part of the membership is for those who do not want to be members but would still like to have situational awareness on what is happening with MILOPS. We are working on updating all of the MILOPS documents and as they finalize we will send out to all the members. If anyone is interested in becoming an official CCB and/or Domain member please reach out to us so we can further discuss. We will be consolidating a list for these memberships and we will be asking to formally submit your interest in one of these categories.
3. NIEM Management Office Status
  - a. Ms. Escobar provided the latest status on NIEM Management office. Work on transitioning NIEM to OASIS continues. The NIEM Charter has been finalized and published. Currently continuing to work on other governance documents and, invitations will be sent out to some members to discuss what the sponsorship of NIEM will look like. In the future, NIEM will be funded through sponsorship.
  - b. Monthly NIEM training continues and gets sold out quickly. These trainings are being recorded and will be available online.
  - c. Other NIEM engagements have been with National Defense University, State of Arizona, UAI ATT, DAMA Portland chapter, and the National Science Foundation Open Knowledge Network Sprint.
4. NIEM Business Architecture Committee (NBAC) Status Update
  - a. Mr. Atri provided a quick update of NBAC, explaining that they coordinate activities between all domains within NIEM and closely manage new born domains. Their activities also support the transitioning of NIEM to oasis. NBAC briefed DHS Biometrics Executive Committee where ICE, CBP, TSA, and USCG were present.
  - b. They continue to help mature all of the domains, currently lots of work from IP domain, and focusing on the new domain "International Human Services Domain."
5. NIEM Technical Architecture Committee (NTAC) Status Update
  - a. Mr. Carlson covered the current big activities for NTAC: the Common Model Format (CMF), and NIEM 6 architecture improvements which are interrelated topics. A change to one of these will impact the other. The purpose of CMF is to support multiple technology like JSON, RDF and developers working with many different models and not just XML. Those that are using NIEM XML can continue using it if they desire to but if they want to transform to another format than CMF can help with that. It is not required to write in CMF but it will be available to write once the format is ready. Currently they are working the metamodel and CMF version 2, converting NIEM-based XML schema to CMF, and converting CMF to NIEM XML schema documents. For future plans in 2022 they plan to convert CMF to ontology formalism, CMF to JSON schema, CMF to UML Diagrams and UML diagrams to CMF.



- b. As for NIEM 6 architecture improvements, changes only happen with major releases which is coming up in 2023. They are working on replacing XML Schema with CMF as the NIEM model representation, simplify or replace metadata attributes, handle ordered, repeated properties. NTAC continues to review their proposals and discussing with NBAC.
  - c. The NIEM Message Specifications how-to-guide is on hiatus due to CMF and NIEM 6 architecture issues taking up their bandwidth.
6. NASA USE of NIEM
- a. Mr. Yergensen is the data management lead for the ARMD Flight Data Portal project. He briefed how and why they incorporated NIEM into their project. The predecessor of this project was written in Fortran but they no longer had developers supporting this. So they required an updated system to continue supporting and house their flight data. Mr. Yergensen was tasked to fulfill this and its list of requirements. He initially had adopted a schema system Information resource metadata (IRM) but as they were close to delivering this, they received a new requirement which was the CUI classification marking. NIEM is where came into play to satisfy this requirement for them. Mr. Yergensen continued to show examples on how they used NIEM cui document marking and modified it into their structure.
7. Closing Remarks
- a. Ms. Escobar opened the forum for discussion and questions. The questions that were asked during the meeting are listed below. Emphasized to reach out to MILOPS Domain POC for more information. NIEM monthly training registration is open and posted on NIEM.gov and on twitter.

## Questions, Decisions, Issues

### NTAC Status update:

Q1. For the Common Model Format, are we going full circle? Are we going back to the idea where we build a model in a tool in whichever way you want to exchange it.

A1. CMF is written in XML but not XML schema but could be converted to JSON or anything. The idea is to define a model as a model instead of defining a model in a specific technology. You wouldn't use CMF directly, you can transform to that specific format. So if you use XML then you can take CMF and then you can transform it to XML schema.

### NASA USE of NIEM

Q1. Have you used other classification markings?

A1. This particular system is an unclassified system and they can only use CUI markings.



Action Items <i>(add rows as necessary)</i>		
Action	Assigned to	Due Date
Develop the MILOPS meeting minutes	Lavdjola Farrington	11 May 2022
Follow up with attendees to further collaborate on supporting MILOPS Domain	Domain Stewards	11 Apr 2022
Topics for next monthly meetings	Domain Stewards	11 Apr 2022

Next Meeting					
<b>Date:</b> (MM/DD/YYYY)	05/09/2022	<b>Time:</b>	1000-1130	<b>Location:</b>	MS Teams

Attendance		
Name	Organization/Affiliation	Purpose
Kashif Aziz	NCIS OCDO	
Chardiellea Barksdale	BAH	Part of the NIEM development team.
Ainsley Springer	BAH	Part of the software development team.
Kia Alford	EDQ/DVS Technical Architect	
Aubrey Beach	BAH	Supporting the NIEM management office
Timothy Burke		Supporting Cyber command enterprise architecture
Tom Carlson	GTRI	Provide technical support for NIEM
Timme Charles	Missile Defense Agency, Office of the Chief Architect	Monitoring NIEM and working on determining the agency's path ahead
Christina Medlin	NIEM Lead Developer GTRI	Manage the content releases
James Duggan	AFRC	AF enterprise architecture and data office.
Richard Elder	DISA/JITC	



Attendance		
Name	Organization/Affiliation	Purpose
Dolores Fox	NCIS OCDO	They are getting a hub set up and want to look into NIEM as they implement the hub.
Fred Nannarone	DISA	This is the first meeting and he is with Chief data office.
Dave Hardy	BAH	Supports the NIEM Management Office
Brian Harrig	USA	Contract support to the defense forensic and biometrics agency. One of their tasks is the development of biometrics data transmission specification in which they utilize NIEM.
Heather Dziurdzy	TRANSCOM J6	Part of the data and solution architecture team at TRANSCOM J6.
Brian Haugh	IDA	Supporting C5ISR group in the Army.
James Ittenbach	DOD Cyber Crime Center	Program manager for DOD effort that will be tied together with all the CI data repositories and creating a visualization tool. They are keeping up with NIEM to see how it can help them.
Joe Snell	DISA	Tech engineer and looking forward to learning about NIEM.
John Morrison	Booz Allen	Supports the NIEM Management Office.
Kamran Atri		NBAC co-chair
Karen Johnson		
Joynes Kazare	BAH	Supporting NIEM tool
Patricia Lee	MCTSSA	
Thomas Lyons	DLA	
Paul Macias	DLA	
Gilbert Maerina	DCSA PEO OTD	
Edward Mann	NCIS	Looking to learn more about NIEM
Martin Akeman	CDO NG	Chief Data officer of National Guard and long time user of NIEM back to 2009.
William Mcgrane	DISA BD	
Mike Horton	BAH	Technical lead supporting NIEM.



<b>Attendance</b>		
<b>Name</b>	<b>Organization/Affiliation</b>	<b>Purpose</b>
Andrew Michalowicz	OPNAV	Here to monitor and learn more about NIEM
Greg Nolder	AF CDO	Interested in learning more about NIEM.
Regan Pena	NIWC	Learn more about NIEM and how to adopt it.
Makia Powell	NUWC – Newport RI	Currently planning to transition to NIEM 5.0
Rick Wash	BAH	Supporting the NIEM MEP tool
Caldwell Roberson	AFNIC	Here to learn about NIEM
Mathewie Seitz	DISA OCD	Here to get more information about NIEM.
Ashar Siddiqui	DCSA	Attended the NIEM training back in October, here to learn more about it.
Susanna Stickle	BAH	Supporting AOC systems, interested in NIEM and hopping to adopt it.
Steven Stoner	AF Cyberspace Capability Center	Developed system architectures and built data models for their organization which included NIEM so he is here to see how NIEM has progressed.
Carroll Sunner	BAH	Contract support to AF Cyberspace Capability Center
Susan Murphy	Army Office of Business Transformation	
Paula Talbott	JS J8	
Mark Thompson	USAF ACC HQ	
Richard Woodrow	DODHRA	
David Yergensen	NASA (AFDP)	
Charles Chipman		
Miguel Armada	USAF ACC HQ	
Nicole Parrish	USAF HAF SAF	
Robert Manning	NG J6	