



Meeting Minutes

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

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

| Attendance | | |
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| 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 | | |
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| 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. |



| Attendance | | |
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| Name | Organization/Affiliation | Purpose |
| 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 hoping 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 | |