NIEM

Meeting Minutes

Meeting Logistics	
Meeting Title:	MILOPS Domain June 2022 Meeting
Meeting Location:	Microsoft Teams Virtual Conference
Co-Chairs:	Katherine Escobar, Beth Smalley
Secretariat	Lavdjola Farrington
NBAC Liaison	Stephen Sullivan
Date of Meeting: (MM/DD/YYYY)	08 June 2022
Minutes Prepared By:	Tracy L Meyers

Purpose of Meeting
MILOPS Domain Update

Meeting Agenda / Discussion

1. Opening Remarks: Ms. 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. NIEM Management Office (NMO) Status Update – Ms. Katherine Escobar
   a. Ms. Escobar provided the latest status on what the NMO has been working on. NMO continues work on becoming a formal open-source standard through the Standards Development Organization OASIS.
   b. DAMA is one of the premier data management organizations identified, both nationally and internationally as data expertise. NMO has been briefing the various chapters about NIEM to DAMA. There has been a great interest in NIEM with regards to data. They are in the process of updating their DMBoK which is the Data Management Book of Knowledge. NMO is working with them to have NIEM as part of that update.
   c. NMO launched "Ask an Expert Round Table". Their first one was in May. They had about twenty people dial-in. It's an open forum to ask questions and get answers from NIEM experts at a technical level about anything from implementation ontology or whatever concerns one may have about understanding NIEM. The plan is to have these monthly as they continue to roll out technical training and make the technical training more accessible via a hybrid model.
   d. Restricted Registry Repository was launched formally in the last month. Regarding sharing NIEM solutions and being able to share content and information exchange packages, they launched this Restricted Registry Repository which is accessible only by CAC. The link is provided on the slide. In addition, they are posting the MILOPS MOMS release there for access. There's very little content right now since they just launched. But they hope to grow that content over the coming months and years.
   e. The Message Exchange Package Builder Tool Set is now IOC. The first phase of this has been released. It's been posted on both NIEM.gov and on Source Forge. It is available for downloading and let NMO know any feedback on what they can improve better. Ultimately this is on a three-year trajectory to fully cover down overall NIEM framework that they have for building information exchange packages.

3. Military Operations Mission Specific (MOMS) Release Update: Mr. Charles (Chuck) Chipman
   a. The requirement for a MOMS arose from the MILOPS Domain to support distribution restricted content. Primarily distribution statement C and distribution statement D. The military likes to limit distribution, certain technical information. This is governed by DoD Instruction 5230.24 as well as other ITAR Air Export Control Marking Requirements.
   b. NIEM publishes two releases each year. There is the public release 5.0, 5.1, and 5.2. Then there are the MOMS 5.0, 5.1, and 5.2 that comes out every three months or so, after public release. It includes Distribution Statement C which is federal government and contractors. And, D which is DoD contractors. With the new policy for CUI, Executive order 13556, there is potential now that there may be a future requirement to support CUI content. So, right now they've been doing MOMS releases, NIEM 3.0.1. Christina Medlin is the primary NIEM developer and content modeler, this is her field of expertise.
   c. MOMS content submissions are provided to the MILOPS Domain Steward as a Change Request (CR). That gets reviewed by the NIEM Lead Developer and approved by the MILOPS Configuration Control Board before it is added.
   d. Effective May of this year, with MOMS 5.1 are available on the NIEM Restricted Repository hosted on the WMA portal.

4. DCSA SF86 IEPD – Ms. Maryann Wronko

    a. Maryann Wronko supports the DCSA PEO from the Technical Director's office specifically. The DCSA PEO TD is also working in partnership with the Chief Data Office, Wally Cogins and his Deputy Mike Mitchell. This partnership is a joint effort as well.

    b. An SF86 is primarily the questionnaire that is owned by the Office of Personnel Management (OPM). Which gets filled out for background investigations, continuous evaluations, or continuous vetting regarding security clearances. Those items are primarily the missions under the DCSA.

    c. With their interest in NIEM, they mapped their SF-86 concepts with NIEM first to see how close they were to NIEM core and other NIEM domains. They started with their demographics data and found about 39 concepts out of their 182 that aligned directly with NIEM. They did have some indirect matches, where primarily there is a match but with some conflicts, like terminology or definition. They will continue to work with NIEM SMEs to determine what actions need to be taken regarding resolving these conflicts.

5. Cogent Way Project – Mr. Jeff Iannazzo & LtCol Tommy Jones

    a. The Cogent Way effort is an advocacy effort. It is the result of over six years of incubation of material that began with the OD&I advanced campaign cell as they sought a future way of, how do they truly enable machine understanding and machine action that is going to allow them to act at the speed needed for it to remain at decision advantage and future engagements. This called out two different types of data standards. There are data standards now that allow for machine-to-machine action. What has not been pressed into a great scale is aligning the data formats to enable machine understanding as a human would understand it providing that ontology and the linkages so that the machine can begin to make inferences and support the human user. Which this is just an expansion of NIEM work ongoing.

    b. They have an underlying target mission architecture (TMA). It has some DoDAF views – CV1, OV1 and OV5a&b, but mainly concentrating the CV1 and the OV5a. The OV5a focuses on functions and activities that can help get the tradecraft, policy tools, technology services, etc. without having the technology or tools discussion right away. This approach that transcends IC and DoD spaces can go into law enforcement; offers a technical approach for dual use economy of scale. Meaning that one could take a consistent approach towards creating the capability to achieve their mission outcomes, irrespective of their advantage point of intel or ops. To have AI enabling integrated operations and intelligence at scale and speed, to augment the human, agencies need to understand the context of the problem on par with humans. This is a powerful combination with the NIEM community and semantic web and link data community that is also nested in some consistent standards like world-wide web consortium. They have a large following in this coalition of the willing across academia, government, military, combatant commands, IC agencies seeking to modernize activities premised on machine understanding and people understanding of context of data.

6. Open Discussion / Closing Remarks – Ms. Katherine Escobar

    a. Ms. Escobar opened the floor to anyone for any last thoughts, questions, or comments.

Questions, Decisions, Issues

Cogent Way

Q. The speaker mentioned that there was no current policy on analytics and how to use the data.

   Is that something that we should be focusing on?

   A.   Yes, because when you look at the dot mil PF expectations and how important it is to give diligence to best practices, even if it's not authoritative doctrine. There's so much investment in AI and ML – artificial intelligence and machine learning – that we feel like they should be treated mission assets, similar to how collection assets and weapons assets are treated. And, without that doctrinal foundation there's really not a motivation to say : how do I discover, request, prioritize, synchronize, allocate, task these assets that are so critical to close on mission. So, that should be something that we don't feel should be a serial action. Let's launch in concurrently and recognize that type of diligence is required for AI and ML assets.

Q. Which room within chat server is the Cogent Way Project being discussed?

   A.   It should be in the Integrated Operations and Intelligence room.

Q. Is the effort currently being funded?

   A.   Right now, we term this as an advocacy effort because in reality we're not trying to stand up one specific program. We're attempting to convey that there is need for this across the IC and DoD. There are several efforts which we're working with USD INS as we move forward with CIP modernization. And, can this be used as a way forward to begin to connect our intelligence agencies to enable activities such as object based production and beginning to link our major systems, acquisitions, capabilities within IC together to yield greater knowledge and machine understanding. Additionally, bringing this through, and speaking with JADC2 folks and some USD&RE personnel who may have some interest in projects that are already ongoing. But, in reality, we see this as a way forward. It's not necessarily an individual project that one agency is going to start and that fixes everything. This will need to be kind of a ground swell. The question is, who's going to pick it up and demonstrate it first and, then show the benefit.

Q. Who in the Army are you partnering with?

   A.   A two-fold answer right now. From a SOUTHCOM perspective the Army component there is the primary service who the POC is Mr. Tom Monell. And, he is leading the enhanced domain awareness initiative on the NIPR environment. And, that he would be poised to introduce the communities first aggregating class of system the enterprise knowledge graph on NIPR. In late 2021 when we started working with the convergence folks, we talk to some actin officers in the Army convergence program to walk them through the OV1 and that's when we started to get the confirmation that, to date, a lot of the efforts to arrive at your weapons systems, your preparation of the battle space, your sensors, and your sense makers were all arrived at manually. And, then entered into a system in execution status. So, we feel like there's an opportunity to build upon what they're doing and not stop what they're doing. But, the Army convergence, and then Army SOUTHCOM.

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Action Items (add rows as necessary)

Action	Assigned to	Due Date

Next Meeting

Date: (MM/DD/YYYY)	07/13/2022	Time:	1000-1130	Location:	MS Teams

Attendance

Name	Organization/Affiliation	Purpose
Alford, Kia	US Army	
Ampaw, Eric	US Navy	
Armada, Miguel	USAF	
Aziz, Kashif	NCIS OCDO	
Barela, John	JS J3	
Barksdale, Chardiellea		
Beach, Aubrey	BAH	Supporting the NIEM Management Office
Bohling, James T	JS J6 DDC5I DSD	
Burton, Johnny A, Jr	OSD DoD	
Chipman, Charles E		
Clements, Christopher M		
Conrad, Michael (Mike) Lee	JS	
Cotton, Benjamin		
Courtney, Douglas S		
Dash, Russell (Rusty) E	USCG	

Attendance		
Name	**Organization/Affiliation**	**Purpose**
Decarli, James (Jim) D	TRANSCOM	
Denmark, Robert K		
Dotson, Mark R	GTRI Georgia Tech	
Dziurdzy, Heather		
Elder, Richard R	DISA/JITC	
Elridge, David		
Ellis, Leslie Stevenson (Steve), III		
Engelmann, Robert E (DX)		
Escobar, Katherine B	JS J6 DDC5I DSD	
Farrington, Lavdjola	JS J6 DDC5I DSD	
Francis, Adrian E	JS J6 DDC5I DSD	
Fred	DISA	
Gibson, Mark		
Gilbert, Maerina A	DCSA	
Guerrero, Juan A	USCYBERCOM	
Hanmann, Alexandria B	JS J6	
Hardy, David F	BAH	Support the NIEM Management Office
Harrig, Brian William		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
Iannazzo, Jeffrey		
Johnson, Christopher D	DISA	
Jones, Tommy	JS J2 F8	
Lee, Patricia S	MCTSSA	
Louis, Shunda R	BAH	
Lyons, Thomas H, III	DLA INFO	
Macias, Paul A	DLA INFO	
Majkowski, Mark J		
McCoy, Rodney A	JS J6 DDC5I DSD	

Attendance		
Name	**Organization/Affiliation**	**Purpose**
McDaniel, David M	OSD DoD	
Medlin, Christina	NIEM Lead Developer GTRI	
Michalowicz, Andrew (Andy)	OPNAV	Here to monitor and learn more about NIEM
Monroe, Kevin L		
Nolder, Gregory (Greg) W	AF CDO	Interested in learning more about NIEM
Papusha, Ivan	JS J2	
Pasch, James Roy		
Powell, Makia S	USN	
Reyling Robert A	USAF AFM	
Robinson, Charles W (Bill)	JS J7	
Rogers, John E		
Schultz, Ryan R	JS J6 DDC5I DSD	
Smalley, Beth	JS J6 DDC5I DSD	
Smith, Greg	MDA/CAX	
Spurlin, Kevin W		
Sullivan, Stephen M	JS J6 DDC5I DSD	
Stickle, Susanna C		
Sunner, Carroll R, II	USAF	
Talbott, Paula M	JS J8	
Tanner, Larry E	DLA	
Tuggle, Richard E		
Van Doren, Paul H	JS J8	
Verrochi, Lawrence R		
Wallace, Lanzo	JS J6 DDC5I DSD	
Warne, Dennis M		
Winkowski, Daniel S		
Wronko, Maryann	MITRE	Deep interest in creating an SF86 extension to NIEM
Wyman, Mikal	DISA	

Attendance		
Name	Organization/Affiliation	Purpose
Zobian, Allen A	DLA INFO OPER	