

NIEM MILOPS

STAKEHOLDER ENGAGEMENT



Wednesday, 12 January 2022

Time	Topic	Presenter
1000 -1010	Opening Remarks / Introductions	Mrs. Escobar
1010-1020	USMTF Update	Mr. Chipman
1020-1040	NIEM OASIS Open Project	Mrs. Escobar
1040-1100	Discussion on Restricted Repo	Mr. Cooper
1100-1105	2021 Highlights	Mrs. Escobar
1105-1110	2022 Objectives	Mrs. Escobar
1110-15125	Open Discussion	All
1125-1130	Closing Remarks	Mrs. Escobar

OPENING REMARKS / INTRODUCTIONS

Katherine Escobar

DOMAIN WAY FORWARD

- Transition from APAN to Github
- Domain Governance review
- Membership (audit and criteria)
- MOMS release, CJCSI, OASIS
- Survey

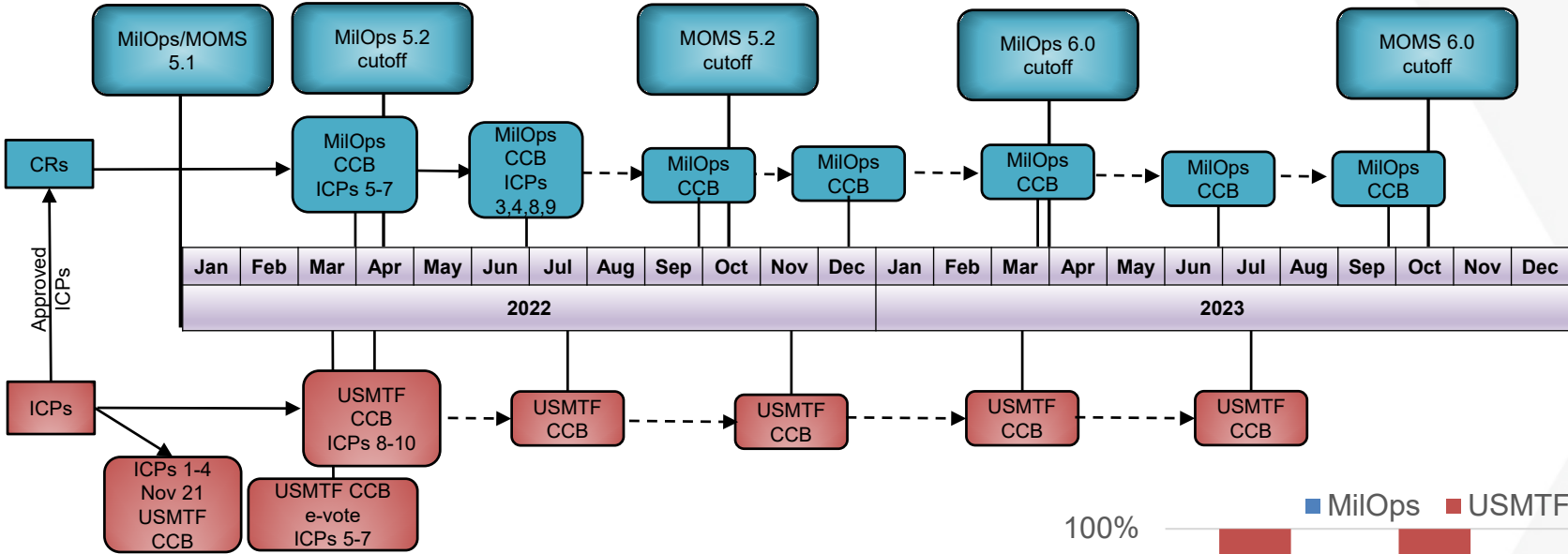
U.S. MESSAGE TEXT FORMAT (USMTF)- NIEM/MILOPS UPDATE

Chuck Chipman

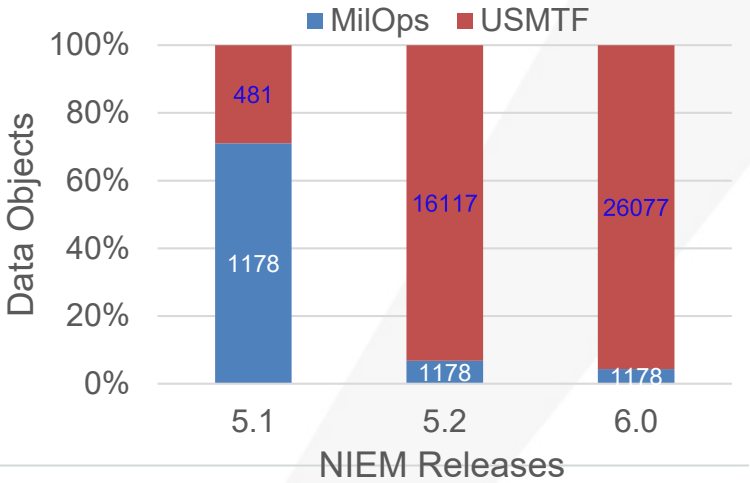
USMTF BACKGROUND

- DoD standard for exchange of character-oriented, structured IERs (message text format) formatted in XML (XML-MTF)
- CJCSI 6241.04 (policy & procedures), Mil-Std-6040 (rules & conventions)
- Configuration managed by Joint C/S/A Configuration Control Board (CCB) chaired by DISA
- Covers a wide variety of mission areas, such as: Air Operations, Combat Operations, Combat Support, Fire Support, Intelligence, Maritime Operations
- USMTF conceptual model: An MTF includes 2 or more sets composed of 1 or more fields (data) and may include segments (2 or more related sets)
- USMTF Data Base (raw numbers):
 - 325 messages including 532 segment positions and 6629 set positions (elements)
 - 1940 set types including 14300 field positions (elements)
 - 601 composites types including 1800 field positions (elements), and
 - 5810 elemental simple types
- USMTF CCB agreed to adopt NIEM Naming and Design Rules for Reference Schema (Phase 1) and Information Exchange Package Documentation (IEPD) format (Phase 2)

USMTF TO NIEM TIMELINES



USMTF Interface Change Proposals (ICP)	
1. NIEM Conformant IEPDs. Submitted May 21. Approved 10 Nov. Pending DISA implementation.	6. Composites. Expect to submit Jan 22 for electronic approval to meet MilOps 5.2 timelines.
2. NIEM Conformant Schema Design. Submitted Aug 21. Pending USMTF CCB approval.	7. Fields. Expect to submit Jan 22 for electronic approval to meet MilOps 5.2 timelines.
3. Message Level Substitution Groups. Submitted Aug 21. Pending USMTF CCB approval.	8. Sets. Expect to submit by Feb 22 to meet April USMTF CCB.
4. Set Format Naming & Data Definitions. Submitted Sep 21. Approved 10 Nov.	9. Segments. Expect to submit by Feb 22 to meet April USMTF CCB.
5. Simple Types. Expect to submit Jan 22 for electronic approval to meet MilOps 5.2 timelines.	10. Message Sequencing. Expect to submit by Feb 22 to meet April USMTF CCB.



NIEM OASIS OPEN PROJECT

Katherine Escobar

DISCUSSION ON RESTRICTED REPO

Mark Dotson

2021 HIGHLIGHTS & 2022 OBJECTIVES

KATHERINE ESCOBAR

MILOPS DOMAIN UPDATE

Domain Steward & Stakeholders: Mrs. Katherine Escobar, Ms. Beth Smalley; Mrs. Lavdjola Farrington & DoD Joint Staff J6

Description

2021 Highlights: Describe your NIEM domain accomplishments, activities, best practices

2022 Objectives: Describe your NIEM domain goals and plans for next year

NIEM Recommendations: Describe how NIEM should evolve to the “next level”

2021 Highlights	2022 Objectives	NIEM Recommendations
<ul style="list-style-type: none"> • Added 485 JNKE IEPD cyber-related data objects to the model • Phase I USMTF conversion to NIEM: added 481 elements and types for MilOps data model. • Migrated MOMS restricted content tools (SSGT, ConTesA) from Virtual Machine to Docker containers • Updated API functionality to support multiple releases and new Message Builder tool • Demonstrated additional NCDF capabilities at CWIX 2021 • Submitted NCDF as a NATO STANAG (5653), integrating into FMN Spiral 5 • Supporting VA and DMDC IEPD development for DD-214. Additional IEPDs planned. 	<ul style="list-style-type: none"> • Showcase improved NCDF capabilities in CWIX 2022 • Complete Phase II USMTF content to data model, adding 16117 elements and types to MilOps data model. • Increased adoption of NIEM: <ul style="list-style-type: none"> ✓ Counter Improvised Explosive Device (C-IED) JPO ✓ Continue to support VA and DMDC IEPD development ✓ JADC2 enterprise stakeholders ✓ Universal Command & Control (UC2) ✓ Multi-X Security (MXS) ✓ Defense Incident-Based Reporting System (DIBRS) 	<ul style="list-style-type: none"> • Engage newly assigned DoD and Federal Agency Chief Data Officers (CDOs) • Continue to collaborate with US and Coalition Executives on enterprise data efforts (e.g. JADC2, Open Data Act, UC2, etc.) • Improve user-friendly tools for browsing NIEM • Mature NIEM JSON tools and training • Provide end-to-end IEPD Lifecycle tool capability to trace information exchange requirements from scenario planning architecture artifacts with automated mapping and extract transform load (ETL) services

OPEN DISCUSSION



Closing Remarks

Co-MilOps Domain Steward Representatives

Katherine Escobar

(757) 203-8631 (DSN 836)

Katherine.b.Escobar.civ@mail.mil

Beth Smalley

(757) 203-7177 (DSN 836)

Beth.l.smalley.civ@mail.mil

Secretariat

Lavdjola Farrington

(757) 203-8544 (DSN 836)

Lavdjola.farrington.civ@mail.mil