



# NIEMOPEN

NBAC TSC Slides  
28 March 2024 Meeting

# 28 MAR 2024 NBAC TSC AGENDA

- 1:00 NBAC Co-Chair Opening Remarks – Mr. Kamran Atri, Mr. Thomas Krul
  - We are beginning planning to support the **NIEMOpen Reveal (symposium)** targeted for 18-20 Feb 2025 at the National Press Club
  - Draft agenda available in 28 Mar NBAC Admin Repo minutes folder after meeting
  - Making progress on Standing Sub-Committee Governance Document for those Domain Spaces that haven't developed their own.
- 1:10 NIEM Management Office (NMO) Update – Ms. Katherine Escobar
  - Next PGB Meeting 11 April
  - NMO Transition
  - NIEMOpen Reveal
- 1:20 NTAC Update – Mr. Jim Cabral
- 1:30 Communications & Outreach NMO Sub-Committee update – Paul Wormeli
- 1:40 Community Updates - all
- 1:45 Questions/Final Remarks

# NMO SLIDES

- 1:10 NIEM Management Office (NMO) Update – Ms. Katherine Escobar
  - Next PGB Meeting 11 April
  - NMO Transition
  - NIEMOpen Reveal

# PGB TOPICS

- Project Updates
  - CMF
  - API 2.0
  - NDR
  - MEP Tool
- Motions
  - Adjust PGB meeting dates (Q3-1 Aug, Q4 – 7 Nov)
  - Approve proceeding with PS02
  - Approve funding for NIEMOpen  
Reveal event purchase of NPC facilities

Community members may attend meeting as gallery but no speaking parts or voting

## Microsoft Teams 11 April 2024 PGB Meeting

### Microsoft Teams meeting

Join on your computer, mobile app or room device

[Click here to join the meeting](#)

**Or call in (audio only)**

[+1 410-874-6749,,775017873#](#) United States,  
Odenton

Phone Conference ID: 775 017 873#



# NIEMOPEN

## NM0 Transition

Ms. Katherine Escobar  
NIEMOpen Project Governance Board Chair

# AGENDA

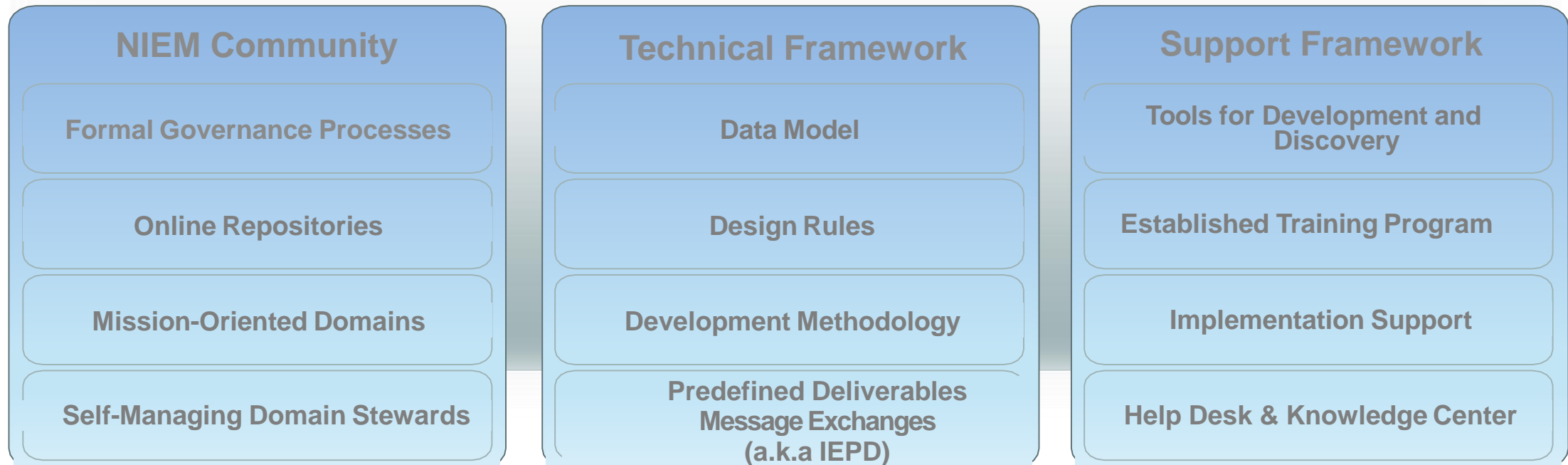
- Objective
- NIEMOpen Program Today
- Org Chart – Focusing on NMO
- NMO TSC Functions & Activities
- Possible COAs
- Status

# OBJECTIVE

- Provide COAs for transitioning the NMO Technical Steering Committee (TSC) away from a predominately JS J6 funded and staffed effort to a more equitable NIEMOpen business model sharing costs.
- Recommend an option which:
  - “Does no harm”
  - Empowers a potential candidate organization to resource & manage the NMO TSC
  - Promotes the recruiting of new sponsors to increase project revenues supporting project sustainability & growth
  - Acknowledges the impotence of monetizing services to mitigate NMO TSC operational costs
  - Reduces project risks
  - Continues the progress made in becoming an OASIS Standard & International Standard
  - Avoids major disruptions to ongoing and future technical & business activities
    - New architecture implementation/Common Model Format
    - Completing Model Version 6.0, the 6.0 release, and formalizing as an OASIS Standard

# NIEM FRAMEWORK

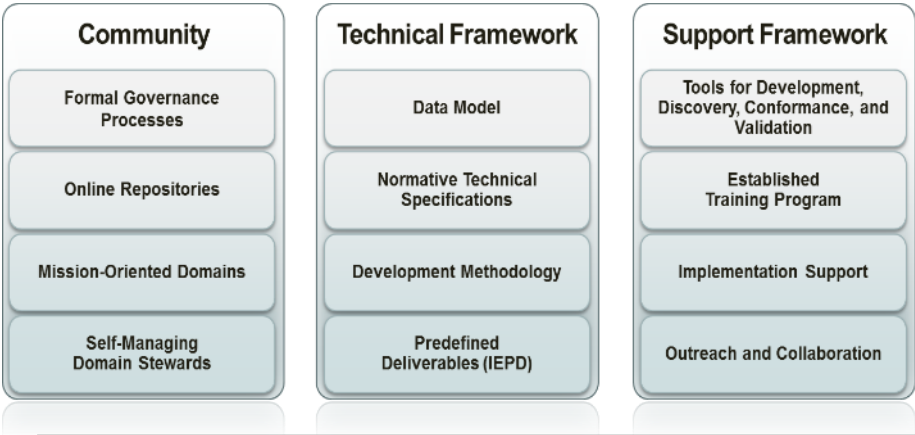
- NIEM is a community-driven, government and jurisdiction-wide, standards-based approach to exchanging information
- Diverse communities can collectively leverage NIEM to increase efficiencies and improve decision-making
- NIEM is available to everyone, including public and private organizations
- NIEM includes a data model, governance, training, tools, technical support services, and an active community to assist users in adopting a standards-based approach to exchanging data



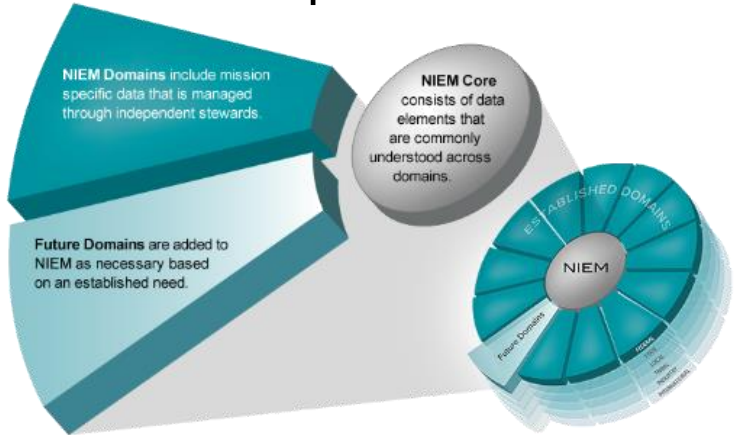


# NIEMOPEN INTRO – WRAPPING IT ALL UP

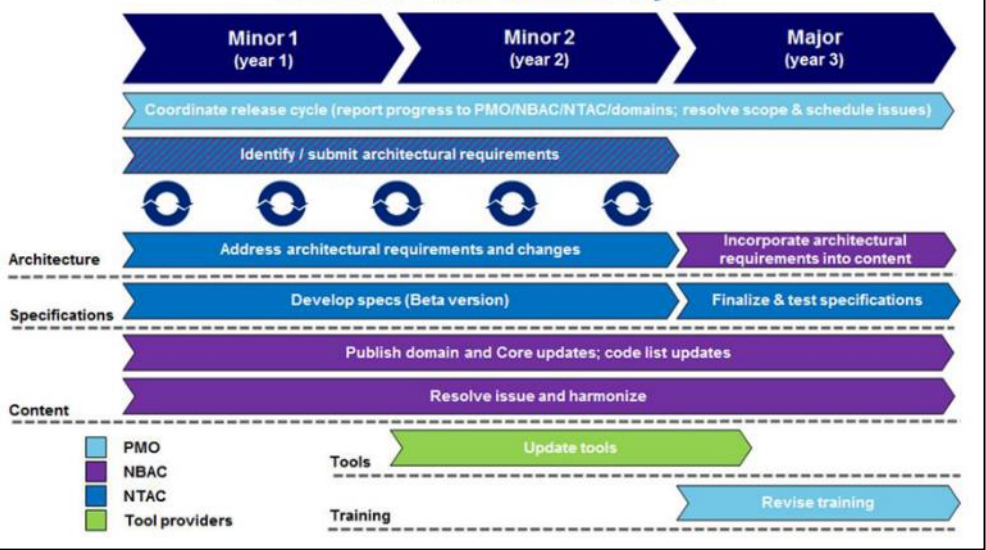
## Mature Community, Technical, & Support



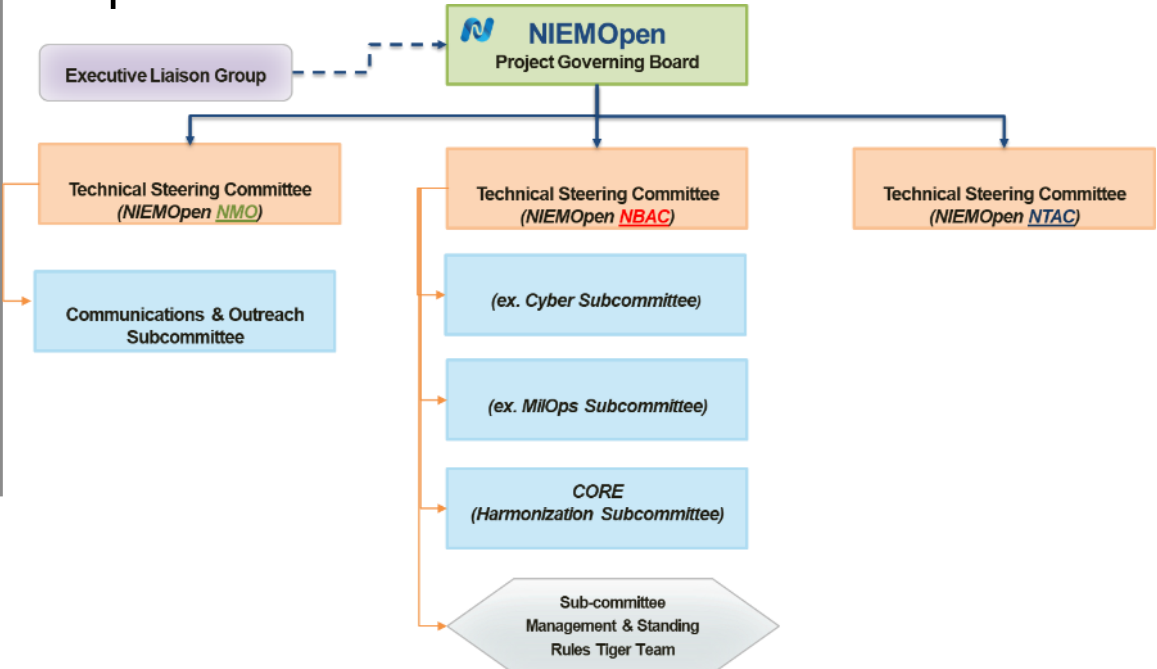
## Library of Reusable Data Components



## Master 3-Year Release Cycle



## Open Source Standard Governance



NIEMOPEN

# What does OASIS provide?

## Core Service (\$25K)

- Legal entity, management of trademarks and copyrights
- Contributor License Agreement administration
- Collaboration tool set: GitHub org, mailing group, calendar, roster, ballot, asynchronous chat, video meetings...
- OASIS Standards process submission management
- Submission of approved deliverables to ISO, IEC, ITU via OASIS liaison
- Community management support
- Assistance in writing charter, Code of Conduct, other policies
- Governance administration and support
- Support for project assets such as website design, hosting, site maintenance, collateral and logo design
- Press, promotion & outreach to attract developers and sponsors
- Meeting planning and coordination
- Free public access to deliverables in perpetuity

## Core Plus Services (\$125K)

- Staff facilitation for Project Governing Board and Technical Steering Committee meetings
- Online meetings account (Zoom)
- Online swag shop with branded t-shirts, and other merchandise
- Collateral production, e.g. laptop stickers, data sheets
- Administration of grants and community donations program

## \* Supplemental Services (+\$125K)

- Some projects may also require Supplemental Services specific to their needs, which may be funded by donations, grants, or higher sponsorship fees. These services include:
  - **Dedicated full- or part-time staff for project management, content production, media relations, etc.**
  - Developer incentive programs, e.g. bug bounties, travel, training
  - Code auditing
  - Hosting of major events
  - Documentation writing
  - Trademark and copyright management

# TRANSITION TO NEW NMO TSC

## NMO Functions/Activities

- Provides Overall Project Management & Oversight
- Sponsor Recruiting
- Provides OASIS Liaison
- Conducts Project Strategic Planning
- Provides PGB Chair Secretariat
- Provides NTAC & NBAC TSC Liaison
- Provides NBAC TSC Secretariat
- Provides Technical Help Desk Services
- Administers:
  - Social Media Accounts
  - NIEM Open .org website
  - AWS MEP Tool Hosting
  - LMS
  - Presswire
  - MEP Tool
  - API 2.0
  - CMF Tool (after release)
  - JIRA/ Confluence
  - Admin Git Repos
- Conducts Strategic Communications
- Conducts Domestic & International Marketing
- Conducts Event Planning & Execution

This is what needs to be transferred to “new” TSC



**NIEM OPEN**

Project Governing Board

**Technical Steering Committee**  
(NIEMOpen **NMO**)



**+ NMO provides funding for Lead Developer & Technical /Training Support:**

- Model Harmonization
- Model Versions 6.0/6.1 ...
- Developer Repos
- OASIS Workflow
- Model Releases
- NDR Updates
- API 2.0 Build/Updates
- Training Updates – “new” Model Versions
- Tools Support
- NBAC/NTAC Tech support

**Communications & Outreach Subcommittee**

**Technical Steering Committee**  
(NIEMOpen **NBAC**)

**NBAC Subcommittees**

J6 retains MilOps

J6 continues to provide NBAC liaison

**Technical Steering Committee**  
(NIEMOpen **NTAC**)

- J6 maintains Renner on NTAC
- J6 continues to provide NTAC liaison

## LEGEND



PGB



TSC



SUBCOMMITTEE

# NMO TSC FUNCTIONS/ACTIVITIES TO BE TRANSITIONED

## EXPERT Technical

- Conducts Model Harmonization with NBAC TSC
- Develops “new” NIEM Model Versions
- Updates to Naming and Design Rules (NDR)
- Provides Model Release Package
- Implements OASIS Workflow leading to standards
- Develops & conducts technical training
- Maintains developer git repositories
- Supports Tool Development
- NBAC/NTAC Tech Support

Supported by 2 FTE Contracted Services from GTRI

## Project Mgt, STRATCOM, Project Support, Tech Admin

- Sponsorship Recruiting shared with OASIS
- Provides Overall Project Management & Oversight
- Provides OASIS Liaison
- Conducts Project Strategic Planning
- Provides PGB Chair Secretariat
- Provides NTAC & NBAC TSC Liaison
- Provides NBAC TSC Secretariat
- Provides Technical Help Desk Services
- Administers:
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  - NIEM Open .org website
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  - LMS
  - Presswire
  - MEP Tool
  - API 2.0
  - CMF Tool (after release)
  - JIRA/Confluence Productivity Tools
  - Admin Git Repos
- Conducts Strategic Communications
- Conducts Domestic & International Marketing
- Conducts Event Planning & Execution

Supported by 0.75 GS FTEs & 2.5 FTE Contracted Services from BAH

## Retained by J6 after xtfr

- + MilOps Domain/Sub-Committee Management & Support
- + Dr. Scott Renner NTAC TSC Participation
- + Restricted Repo Maintenance
- + NIEM.gov website content & maintenance
- + MOMS Release

# POSSIBLE COAS

1. Distribute activities and functions to single PG sponsor
2. Distribute activities and functions among PGB Sponsors
3. Status Quo
  - JS J6 retain NMO responsibilities
  - Identify Co-Chair candidate among current PGB sponsors
  - Groom another organization for transition
  - Gradually transfer responsibilities

# STATUS

1. Identifying COAs
2. Identifying potential transition candidates
3. Assessing Constraints, Funding Limitations, Assumptions, & Risks
4. Conducting discussions with stakeholder
5. Updating PGB



# NIEMOPEN

## NIEMOpen Reveal

Ms. Katherine Escobar  
NIEMOpen Project Governance Board Chair

# NIEMOPEN REVEAL STATUS

*NIEMOpen Reveal: Data Standard, Redefining the International Information Landscape*

- Purpose
- Dates: 18-20 Feb 2025
- Location: National Press Club, Washington DC
- Venue:
  - Ballroom – Plenary Sessions
  - 2 Technical Breakout Tracks (Technical Primer & Technical Expert Training Tracks)
  - Draft agenda available @ NBAC Admin Git Repo 28 Mar minutes folder (look there in a couple days)
- PGB approved seed money to reserve Ballroom on 19 Feb
- 11 April PGB Motion to secure remainder of NPC facilities
- How funding event:
  - Registration Fees
  - Event Sponsorship

Ramp-up after PGB approval on 11 April



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# BACKUPS

# NIEM API and Toolbox Update

Alpha	Focus	Description	Comments
1	Transforms	Convert [CMF or XSD] to [CMF, XSD, OWL, or JSON Schema]	Other output transformation modules should be added later (e.g., spreadsheet, CSVs, lite UML, etc.)
2	Get model details	Get information about stewards, models, versions, namespaces, properties, types, and facets. Load NIEM 1.0 – 5.2 data.	Multi-model support for NIEM + IEPDs.
3	Search models	Search properties and types	Code set searching should be added later.
4	Migrate models	Migrate a supported model from one version to any later version	Runs multiple iterations in one call. Only works for models in the database with migration rules.
5	Validate models	XML validation for XML, XSD, IEPD catalogs, XML catalogs, CMF files. NDR validation for XSD.	JSON validation and QA rules for properties and types should be added later. Reports in JSON and CSV.
6	Infrastructure and updates	Upgrade CMF tool. Fix bugs. Update testing suites and infrastructure. Add UI for migration and validation.	Also adds better handling for structural updates to production db. Publish code and SQL.
7	Browse UI	Browse details about NIEM and other models. Load NIEM 6.0 data, plus additional fields.	Add support for type unions, local terminology, legacy fields, and starred components.
8	Search UI	Search properties, types, and codes	
9	Subsets	Build subsets in UI. Add SSGT wantlist to CMF transform.	New transform supports migrating users away from SSGT without losing their previous work.
10	Model updates	Low-level functions to update the model. Add support for user permissions.	Allows other users to create models and make incremental changes.
11	Model mgt artifacts	Load change request spreadsheets and update model. Add CMF to spreadsheet, CSV, and stats transforms.	NIEM 6.1 and future version support. Allows bulk changes via CR spreadsheet.

Feb 12, 2024

Done

In progress

To Do

# Support for MEP Builder and to replace legacy tools

Alpha	Focus	MEP Builder	SSGT	Migration Tool	ConTesA	Movement	Model mgt
1	Transforms	* XSD transform bug	NIEM model to XSD				
2	Get model details (API)						
3	Search models (API)						
4	Migrate models (API)						
5	Validate models (API)						
6	Infrastructure and updates	* Fix XSD transform bug		Add UI to Toolbox	Add UI to Toolbox		
7	Browse UI						
8	Search UI						
9	Subsets						
10	Model updates						Update NIEM model data; add migration rules.
11	Model mgt artifacts						Load change requests. Generate version artifacts.

Done

In progress

To Do

# Resources

Title	Link	Comments
NIEM Toolbox	<a href="https://niemopen.github.io/niem-toolbox/">https://niemopen.github.io/niem-toolbox/</a>	Will be available at the end of the current alpha.
NIEMOpen Tool Issue Tracker	<a href="https://github.com/orgs/niemopen/projects/4/views/2">https://github.com/orgs/niemopen/projects/4/views/2</a>	Kanban board for NIEM API and NIEM Toolbox. Click tabs for other groupings and views of the data.
NIEM API 2.0 code	<a href="https://github.com/niemopen/niem-api">https://github.com/niemopen/niem-api</a>	Code to be posted at the end of the current alpha.
NIEM Toolbox code	<a href="https://github.com/niemopen/niem-toolbox">https://github.com/niemopen/niem-toolbox</a>	Code to be posted at the end of the current alpha.
NIEM data for the new backend PostgreSQL database	<a href="https://github.com/niemopen/niem-api-db">https://github.com/niemopen/niem-api-db</a>	SQL files with NIEM 1.0 – 5.2 data to be posted at the end of the current alpha.