



# NIEMOPEN

NBAC TSC Slides  
12 December 2024 Meeting

# 12 DEC 2024 NBAC TSC AGENDA

- **1:00 NBAC Co-Chair Opening Remarks – Mr. Kamran Atri & Thomas Krul**
  - Next PGB Meeting 30 Jan 2025, 2-4 PM
    - Join PGB Mailing List – email [niemopen-pgb+subscribe@lists.oasis-open-projects.org](mailto:niemopen-pgb+subscribe@lists.oasis-open-projects.org)
    - Attend 30 Jan PGB meeting 2-4 PM (slide 3)
    - Current PGB Members (slides 4 & 5)
    - 2025 NBAC Monthly Meeting calendar posted – last Thursday of every month 1-2 PM Eastern Time
      - <https://lists.oasis-open-projects.org/g/niemopen-nbactsc/calendar>
- **1:10 NIEM Management Office (NMO) Update – Ms. Katherine Escobar**
  - NIEMOpen Excellence Awards – Shunda Louis
    - <https://niemopen.org/excellence-awards-2025/>
- **1:20 NTAC Update – Dr. Scott Renner**
  - **NDR 6.0** – Dr. Scott Renner
  - **Model Update v6.0 & API 2.0** - Christina Medlin not available but place her api slides in backup
- **1:30 Communications & Outreach NMO Sub-Committee update – Paul Wormeli**
- **1:35 Community Updates - all**
- **1:40 Questions/Final Remarks**

Slides available at 12 December Minutes folder, NBAC Admin Repo  
<https://github.com/niemopen/nbac-admin/tree/main/nbac-meeting-minutes>

# VENUE

## PGB Meeting

- 30 January 2025
- Virtual Meeting 2-4 PM EST
  - Virtual: MS TEAMS

## Microsoft Teams 30 January 2025 PGB Meeting

**Microsoft Teams NIEMOpen PGB Meeting** [Need help?](#)  
[Join the meeting now](#)

Meeting ID: 993 967 584 930

Passcode: JTiu7a

### Dial in by phone

[+1 410-874-6749,,296683050#](#) United States, Odenton

[Find a local number](#)

Phone conference ID: 296 683 050#

For organizers: [Meeting options](#) | [Reset dial-in PIN](#)

### PGB Minutes & documents:

<https://github.com/niemopen/oasis-open-project/tree/main/pgb-meeting-minutes>

# PGB APPOINTED VOTING MEMBERS



**Ms. Katherine Escobar**  
**PGB Chair**  
Deputy Division  
Chief, Data and  
Standards Division at  
Joint Staff J6 and  
NIEM Managing  
Director



**Ms. Christina Bapst-Stump**  
Science and  
Technology  
Directorate,  
US Department of  
Homeland Security



**Mr. Gary Egner**  
Director Business  
Development,  
Equivant



**Mr. John Wandelt**  
Principal Research  
Scientist, Georgia  
Tech Research  
Institute



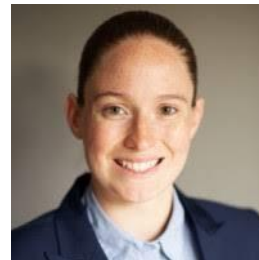
**Ms. Maria Cardiellos**  
Executive Director  
Integrated Justice  
Information Systems  
Institute



**Mr. Payton Lamb**  
Data Engineer  
Commonwealth of Virginia  
Office of the secretary of  
Administration  
Office of Data Governance  
and Analytics



**Ms. April Mitchell**  
FBI It Specialist and Technical  
Lead of Data Standards in the  
Criminal Justice Information  
Services (CJIS) Division



**Ms. Erin Partin**  
Data Scientist,  
Office of the  
Principal Deputy  
Director, National  
Institute of Justice  
(NIJ)



**Ms. Erica Smith**  
Data Scientist, Unit  
Chief – Law  
Enforcement  
Incident-Based  
Statistics Unit,  
Bureau of Justice  
Statistics(BJS)



**Mr. Tom Welch**  
Director of  
Information  
Technology  
OHIO HIDTA –  
Including Northern  
KY & Western PA

# PGB EXPERT VOTING MEMBERS & NON-VOTING MEMBERS

## PGB EXPERT VOTING MEMBERS Technical Steering Committees



**Mr. Kamran Atri**  
Co-Chair, NIEM  
Business  
Architecture  
Committee TSC



**Ms. Beth Smalley**  
Co-Chair, NIEM  
Management Office  
TSC



**Dr. Scott Renner**  
Co-Chair, NIEM  
Technical  
Architecture  
Committee TSC

## PGB EXPERT NON-VOTING MEMBERS Technical Steering Committees



**Mr. Thomas Krul**  
Co-Chair, NIEM  
Business  
Architecture  
Committee TSC



**Mr. Brad Bolliger**  
Co-Chair, NIEM  
Technical  
Architecture  
Committee TSC

# NDR 6.0 REVISION

- Update – Dr. Scott Renner
- A major rewrite of NDR 5.0
  - A new abstract UML metamodel defining the information content of a NIEM model
  - Two concrete model formats: XSD and CMF
  - Two supported message formats: XML and JSON
  - Simplified conformance rules for message schemas
  - Changes to augmentation and metadata
  - More explanation, (slightly) less technical detail
- Working draft (PSD01) available:  
<https://github.com/niemopen/niem-naming-design-rules/blob/dev/ndr-v6.0-psd01.pdf>

# NIEM MODEL 6.0 UPDATE

- NIEM Model 6.0 PS01 published Dec 2023
  - 16 domains
  - 19,000 properties
  - 10,000 types
  - 110,000 code values
- NIEM Model 6.0 PS02 pending
  - Minor adjustments to the structures namespace to support NDR updates
  - Update internal draft version numbers
  - Bundle submission to PGB with NDR 6.0 PSD01 in December

# RESOURCES

Katherine Escobar, [katherine.b.escobar.civ@mail.mil](mailto:katherine.b.escobar.civ@mail.mil), 757-203-8631

- **Git Repos**

- NIEMOpen: <https://github.com/niemopen/>
- NTAC TSC
  - <https://github.com/niemopen/ntac-admin>
- NBAC TSC
  - <https://github.com/niemopen/nbac-admin>
- NMO TSC
  - <https://github.com/niemopen/nmo-admin>
  -
- NIEMOpen Slack Channel: <https://niemopen.slack.com/>

- **Mailing Lists**

- NIEMOpen: <https://lists.oasis-open-projects.org/g/niemopen>
- PGB: <https://lists.oasis-open-projects.org/g/niemopen-pgb>
- NTAC TSC: <https://lists.oasis-open-projects.org/g/niemopen-ntactsc>
- NBAC TSC: <https://lists.oasis-open-projects.org/g/niemopen-nbactsc>
- NMO TSC: <https://lists.oasis-open-projects.org/g/niemopen-nmotsc>



<https://www.niem.gov/>

<https://niemopen.org/>



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<https://www.linkedin.com/groups/1903175/profile>



<https://www.youtube.com/channel/UCg9qV22PXLBJG41hc-EwVrQ>

[IEPD/MEP REPO](#)

[MEP TOOL](#)

[CMF TOOL](#)

[NDR 6.0](#)

[NIEMOpen Reveal Summit](#)  
[18-20 Feb 2025](#)





# BACKUP

# NIEM API 2.0 AND NIEM TOOLBOX – 1

Transition legacy NIEM tools into updated open source products. Move key functionality out of tools into the API for reusability.

Feature	NIEM API	NIEM Toolbox
(Background)	<ul style="list-style-type: none"><li>• Java / Spring Boot and PostgreSQL database</li><li>• Hosted via GTRI</li></ul>	<ul style="list-style-type: none"><li>• Nuxt (JS) SPA</li><li>• Hosted via GitHub Pages (<i>free</i>)</li></ul>
Transforms	<ul style="list-style-type: none"><li>• Transform models into other formats</li><li>• Inputs – CMF or NIEM XSD</li><li>• Outputs – CMF, XSD, JSON Schema, or OWL</li><li>• Leverages the CMF tool</li></ul>	<ul style="list-style-type: none"><li>• Form to upload file and set options</li><li>• API request</li><li>• Download results</li></ul>
Validation	<ul style="list-style-type: none"><li>• XSD – Validate and check NDR conformance</li><li>• XML – Validate against provided schema</li><li>• CMF – Validate against schema (NTAC)</li><li>• IEPD catalog – Validate against schema (NTAC)</li><li>• XML catalog – Validate against schema (OASIS)</li></ul>	<ul style="list-style-type: none"><li>• Form to upload file and set options</li><li>• API request</li><li>• Download and view results</li></ul>
Migration	<ul style="list-style-type: none"><li>• Migrate from one supported model version to a more recent version</li><li>• Can iterate over multiple versions in one call</li><li>• Accepts input and generates results as CMF</li></ul>	<ul style="list-style-type: none"><li>• Form to upload file and set options</li><li>• API request</li><li>• Download and view results</li></ul>

# NIEM API 2.0 AND NIEM TOOLBOX – 2

Transition legacy NIEM tools into updated open source products. Move key functionality out of tools into the API for reusability.

Feature	NIEM API	NIEM Toolbox
Model data	<ul style="list-style-type: none"><li>• Return information about models, versions, namespaces, properties, classes, datatypes, and facets</li><li>• Supports NIEM and published community models</li><li>• NIEM data 1.0 – 5.2 currently available</li></ul>	<ul style="list-style-type: none"><li>• Browse model data</li><li>• View information about components</li><li>• View information about curated list of common components</li></ul>
Search	<ul style="list-style-type: none"><li>• Search properties, types, and codes</li><li>• Supports fuzzy searching, including tokens and substrings</li><li>• Filter results by namespace</li><li>• Component-specific search fields</li></ul>	<ul style="list-style-type: none"><li>• Search models</li><li>• View results</li><li>• View information about components</li></ul>
Model management	<ul style="list-style-type: none"><li>• Add, edit, and delete model content</li><li>• Model and component QA</li><li>• Load change request spreadsheets</li><li>• Generate release artifacts</li><li>• Generate model stats</li></ul>	