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
    - 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
  - **Training –** Tom Carlson
  - **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

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# 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**
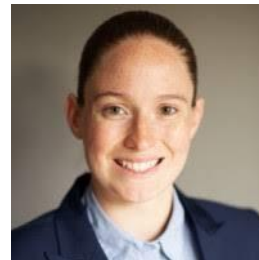Principal Research Scientist, Georgia Tech Research Institute

**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**

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# 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

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# 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/ndr6src.md

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# NIEMOPEN 6.0 TRAINING

- Plans:
  - Updated to NIEM 6.0
    - Architecture
    - Methodologies
  - Addition of CMF and JSON material
  - Modularized:
    - Shorter videos, linked together to provide multiple tracks
    - Easily consume training in whichever format, XML, JSON, or even CMF
    - Tool demos as separate standalone pieces or inline with training

- Current Tasks:
  - Conversion of examples to NIEM 6 in XML, CMF, and JSON
  - Conversion of Crash Driver sample IEPD to NIEM 6 in XML, CMF, and JSON
  - Descriptions/diagrams of high level architecture changes

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# 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

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# RESOURCES

Katherine Escobar, 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

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https://www.niem.gov/

https://niemopen.org/

GitHub

slack

Confluence

Follow Us On Twitter

https://twitter.com/NIEMconnects?ref_src=twsrc%5Etfw

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

https://www.youtube.com/channel/UCg9qV22PXLBjG41hc-EwVrQ

IEPD/MEP_REPO

MEP TOOL

CMF TOOL

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# 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*) | • Java / Spring Boot and PostgreSQL database<br>• Hosted via GTRI | • Nuxt (JS) SPA<br>• Hosted via GitHub Pages *(free)* |
| Transforms | • Transform models into other formats<br>• Inputs – CMF or NIEM XSD<br>• Outputs – CMF, XSD, JSON Schema, or OWL<br>• Leverages the CMF tool | • Form to upload file and set options<br>• API request<br>• Download results |
| Validation | • XSD – Validate and check NDR conformance<br>• XML – Validate against provided schema<br>• CMF – Validate against schema (NTAC)<br>• IEPD catalog – Validate against schema (NTAC)<br>• XML catalog – Validate against schema (OASIS) | • Form to upload file and set options<br>• API request<br>• Download and view results |
| Migration | • Migrate from one supported model version to a more recent version<br>• Can iterate over multiple versions in one call<br>• Accepts input and generates results as CMF | • Form to upload file and set options<br>• API request<br>• Download and view results |

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Done | In progress

# 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 | • Return information about models, versions, namespaces, properties, classes, datatypes, and facets<br>• Supports NIEM and published community models<br>• NIEM data 1.0 – 5.2 currently available | • Browse model data<br>• View information about components<br>• View information about curated list of common components |
| Search | • Search properties, types, and codes<br>• Supports fuzzy searching, including tokens and substrings<br>• Filter results by namespace<br>• Component-specific search fields | • Search models<br>• View results<br>• View information about components |
| Model management | • Add, edit, and delete model content<br>• Model and component QA<br>• Load change request spreadsheets<br>• Generate release artifacts<br>• Generate model stats | |

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| Done | In progress |