



NIEMOPEN

PGB Session

14 November 2024

Ms. Katherine Escobar
NIEMOpen Project Governing Board Chair

CALL TO ORDER

- Called to order the regular virtual meeting of the NIEMOpen Project Governing Board at 2 PM, 14 November 2024.

VENUE

PGB Meeting

- 14 November 2024
- Virtual Meeting 2-4 PM EST
 - Virtual: MS TEAMS

Microsoft Teams 14 November 2024 PGB Meeting

Microsoft Teams

[Join the meeting now](#)

Meeting ID: 993 230 617 696

Passcode: qGzTqU

Dial in by phone

[+1 410-874-6749,,202460060#](#) United States, Odenton

[Find a local number](#)

Phone conference ID: 202 460 060#

PGB Minutes & documents:

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

MAKING THE MOST OF OUR SESSION

Virtual Meeting Etiquette

PLEASE:

- **MUTE** your mic when you're not talking
- Identify yourself before you start to speak
- **Speak** clearly
- **Disable** "call waiting" feature
(the clicking noise can be heard by all)

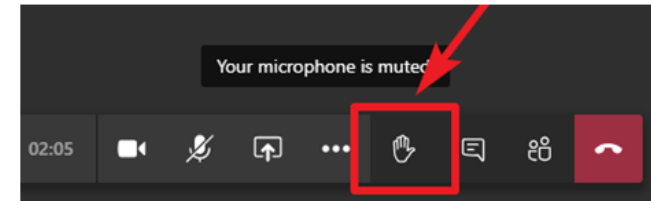
Please note: ESC sessions are audio recorded.

Meeting Minutes will be published and distributed to participants.

QUESTIONS & ANSWERS ARE ENCOURAGED!

To signal you want to contribute without interrupting the speaker

- Enter comments via **CHAT window** at any time



To signal a question or respond to a question

- Click on '**Raise your hand**' button on meeting toolbar

(Lower hand after you've talked by clicking hand button again)

Presenters, please be mindful of timing

NOTE TAKER

The PGB Executive Session is being recorded on MS TEAMS. A link to the recording will be provided and meeting minutes will be posted on the NIEMOpen Git Repo once approved:

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

Meeting support, note takers:

Aubrey Beach

aubrey.l.beach.ctr@mail.mil



Shunda Louis

shunda.r.louis.ctr@mail.mil



Stephen Sullivan

stephen.m.sullivan14.ctr@mail.mil



ROLL CALL

- **PGB Voting Members:**

- Department of Defense Joint Staff J6 (DoD JS J6)
- Department of Homeland Security Science & Technology (DHS S&T)
- Equivant
- Georgia Tech Research Institute (GTRI)
- Integrated Justice Information Systems Institute (IJIS)
- Commonwealth of Virginia, Office of Data Governance and Analytics
- Criminal justice Information Systems Division (CJISD), Federal Bureau of Investigation
- National Institute of Justice (NIJ)
- Bureau of Justice Statistics (BJS)
- National Association for Justice Information Systems (NAJIS)

- **PGB Expert Voting Members**

- NBAC TSC
- NTAC TSC
- NMO TSC

- **PGB Expert NON-Voting Members**

ANNOUNCEMENTS

- NTAC
 - Elected Dr. Scott Renner as NTAC Co-Chair/PGB Expert Voting Member
 - Elected Brad Bollinger as NTAC Co-Chair/PGB Expert Non-Voting Member
- NMO
 - Darcy Staley Elected as NMO Co-Chair/PGB Expert Non-Voting Member
- Jim Cabral appointed as OASIS Interim Executive Director

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



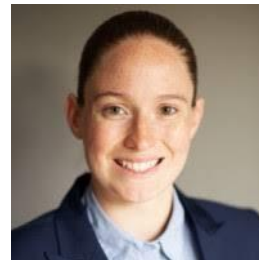
Ms. Maria Cardiellos
Executive Director
Integrated Justice
Information Systems
Institute



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

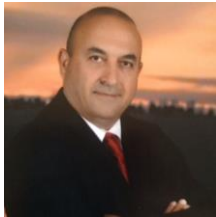
NMO, NBAC, & NTAC TSC CO-CHAIRS & OASIS MAINTAINERS

TSC	Approved (TSC CHAIRS)
NMO TSC	Ms. Darcy Staley & Ms. Beth Smalley
NBAC TSC	Mr. Kamran Atri & Mr. Thomas Krul
NTAC TSC	Dr. Scott Renner & Brad Bolliger

NTAC
TSC



NBAC
TSC



NMO
TSC



GitHub Repos	Primary	Alternates
NIEM Open	Ms. Christina Medlin & Mr. Aubrey Beach	Mr. Tom Carlson, Ms. Shunda Louis, Mr. Steve Sullivan (PGB Folder)
NBAC TSC	Ms. Christina Medlin & Mr. Aubrey Beach	Mr. Tom Carlson, Ms. Shunda Louis, Mr. Steve Sullivan
NTAC TSC	Mr. Tom Carlson & Christina Medlin	Mr. Aubrey Beach, Ms. Shunda Louis, Dr. Scott Renner
NMO TSC	Mr. Aubrey Beach	Ms. Shunda Louis, Mr. Steve Sullivan, Mr. Tom Carlson (Training)



Ms. Christina Medlin



Mr. Aubrey Beach



Mr. Tom Carlson

PROPOSED 14 NOVEMBER 2024 PGB AGENDA

Call to Order

- Admin
 - TEAMS Link
 - Meeting Etiquette
 - Note Takers
 - Roll Call & Introductions
 - Announcements
 - PGB Voting Members (Sponsors) & PGB Expert Voting Members (TSCs) & PGB Non-Voting Members (TSC Co-Chairs)
 - TSC Co-Chairs & NIEMOpen Maintainers
- Approval of Agenda
- Around-the-Horn – PGB Voting Members
- Approval of Meeting Minutes from 1 August 2024
- OASIS Staff / NIEMOpen Administrator Comments
- Q3 Financial Snapshot – Cathie Mayo (OASIS)
- Sponsor Update – Holley Peterson
- CY 2024 Task Status
- **5 Minute Break**

Co-Chair Discussion Updates

- NTAC Update
- NBAC Update – Kamran Atri
- Analytical Laboratory Info Brief
- NMO Update – Darcy Staley
- Training Update – Tom Carlson
- NIEMOpen v6.0 Model PS02 & API 2.0 Update – Christina Medlin

PGB Meeting Schedule

Other Business/Discussion

Action Items

Resources

Questions/Adjourn

APPROVAL OF AGENDA

- **Chair:** A Draft Agenda for the NIEMOpen 14 November 2024 Project Governing Board (PGB) Meeting was provided to PGB Voting Members as a readahead.
- **Chair:** Are there any recommended changes to the agenda as distributed?
- **Chair:** If there are no (further) changes, the agenda stands approved as (corrected).

✓ ?



Approve



Approve as Corrected

PGB MEMBERS: AROUND-THE-HORN



APPROVAL OF 1 AUGUST 2024 PGB MINUTES

- **Chair:** A Draft of the NIEMOpen 1 August 2024 PGB meeting minutes was provided to the PGB Voting Members as a readahead: Please let me know now if you found any errors. <https://github.com/niemopen/oasis-open-project/tree/main/pgb-meeting-minutes/2024/1-August-2024>
- **Chair:** Are there any corrections to the minutes as distributed?
- **Chair:** If there are no (further) corrections, the minutes stand approved as distributed (corrected).

✓ ?



Approve



Approve as Corrected

OASIS STAFF

- **Mr. Jim Cabral** – OASIS Interim Executive Director



- **Ms. Cathie Mayo** – OASIS Chief Financial Officer



- **Ms. Kelly Cullinane** – OASIS Senior Director of Standards Development



- **Ms. Jane Harnad** – OASIS Manager of Events



- **Ms. Holly Peterson** – OASIS Business Development Manager



CY 2024 Q3 FINANCIALS

Ms. Cathie Mayo – OASIS Chief
Financial Officer



CY 2024 Q3 FINANCIALS

NIEMOpen Quarterly Reporting

Period: Q3-2024

Date: Oct 18, 2024

NIEM Funding		FY2024 Total Funds	OASIS OP Sponsor Dues	NIEMOpen General Funds
1	Fy2023 Balance Forward			\$ 122,302.00
	Fy2024 Revenues			
2	Q1-2024	\$ 98,550.00	\$ 78,550.00	\$ 20,000.00
3	Q2-2024	\$ 76,300.00	\$ 46,450.00	\$ 29,850.00
4	Q3-2024	\$ 71,300.00	\$ -	\$ 71,300.00
5	Q4-2024	\$ -		\$ -
6	Fy2024 Revenues	\$ 246,150.00	\$ 125,000.00	\$ 121,150.00
7	TOTAL FUNDING : NIEMOpen			\$ 243,452.00

EXPENDITURES

8	Expenditures			
9	Q1-2024			
10	AWS Actuals			\$ 995.46
11	Atlassian Actuals			\$ 1,455.66
12	The National Press Room 2025 Summit Deposit			\$ 3,700.00
13	Q1-2024 Totals			\$ 6,151.12
14	Q2- 2024			
15	AWS Actuals			\$ 1,126.35
16	Atlassian Actuals			\$ 1,546.20
17	GTRI Contract Fy2023			\$ 72,647.09
18	Q2-2024 Totals			\$ 75,319.64
19	Q3- 2024			
20	AWS Actuals			\$ 1,019.58
21	Atlassian Actuals			\$ 1,636.74
22	Q3-2024 Totals			\$ 2,656.32
23	Q3-2024 YTD			\$ 84,127.08

RESERVES + EXPENDITURE/BALANCE

24	Reserves:			
25	GTRI Contract Fy2023	pending		\$ 27,352.91
26	2025 Summit	~\$40,000		\$ 36,300.00
27	AWS balance	~ 7,417.80		\$ 1,854.45
28	Atlassian balance	~ \$6,000		\$ 1,500.00
29	Learn Press	~ \$2,000		\$ 2,000.00
30	EIN Presswire	~ \$2,000		\$ 2,000.00
31	Fy2024 Reserves			\$ 71,007.36
32	Fy2024 Expenditures & Reserves			\$ 155,134.44
33	Balance of Available Funds			\$ 88,317.56

NIEMOpen Current SPONSORS

11 Sponsors, 3 Premier

- Sponsors

- JS J6
- DHS S&T
- CJIS (FBI)
- GTRI
- Equivant
- NAJIS
- IJIS
- DOT
- ODGA (Virginia)
- BJS
- NIJ



Premier



Homeland
Security
Science and Technology

Premier



Premier



equivant



- In Discussions

- Microsoft
- DHS OBIM
- DND, Canada
- DOJ



Canada
Department of National Defense



- Expressed Interest

- MITRE
- Ernst & Young
- DISA



• Ms. Holly Peterson –
OASIS Business Development
Manager

CY 2024 NIEM OPEN PLANNING

Complete

- ✓ NIEM Version 6.0 Project Specification (PS01)
- ✓ Implement EIN Presswire
- ✓ J6 Complete/contribute MEP tool and host on AWS
- ✓ Implement LearnPress LMS
- ✓ Complete/IOC MEP Builder Tool
- ✓ Complete NIEM API 2.0
- ✓ Complete/IOC MEP Builder Tool

Planned/ In Progress 2024

- Submit NIEM 6.0 NDR as PSD/ PS
- Submit NIEM Model Version 6.0 PS02
- Submit NIEM Model Version 6.0 PS02 as an OS
 - Solicit 3 statements of use
- Transfer Training Equities to NMO TSC Training Repo
- Update Training Materials to reflect Model Version 6.0 Updates
- Update/integrate LearnPress LMS w/Model Version 6.0
- Complete transfer of github.io files to NIEMOpen
- Execute 2025 NIEMOpen Reveal

Recurring/On-Going

- Identify Potential Sponsors/Conduct Outreach
- Populate OASIS Jira & Confluence Site
- Conduct Synch w/ OASIS Staff as needed
- Obtain Contributor License Agreements
- Bi-Weekly synch with 2025 Symposium Planning Team

BREAK



PGB TOPICS FOR CONSIDERATION & VOTE

Co-Chair Discussion

Updates

- NTAC Update – Scott Renner
- NBAC Update – Kamran Atri
- Analytical Laboratory Info Brief – Kamran Atri
- NMO Update – Darcy Staley
- Training Update – Tom Carlson
- NIEMOpen v6.0 Model PSO2, 6.0 Release, & API 2.0 Update – Christina Medlin

DISCUSSION OF PGB CO-CHAIR

Rationale for establishing the PGB CO-Chair role

- Continued growth of NIEMOpen and increased responsibilities and demands on the Chair
- Provides continuity of operations should Chair not be able to attend PGB meetings or attend to other duties in a timely fashion
- Provides opportunity for burden sharing for management functions
- Reduces organizational risk

NTAC TSC UPDATE

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>

NBAC TSC UPDATE

- Obtain 3 Statements-of-Use for NIEM Model 6.0
- Advance NIEM Model Version 6.0 PS02 to OS
- Onboard:
 - Analytical Laboratory Domain/Sub-Committee
 - Identity Management Domain/Sub-Committee

OASIS NIEMOpen Analytical Laboratory Sub- committee

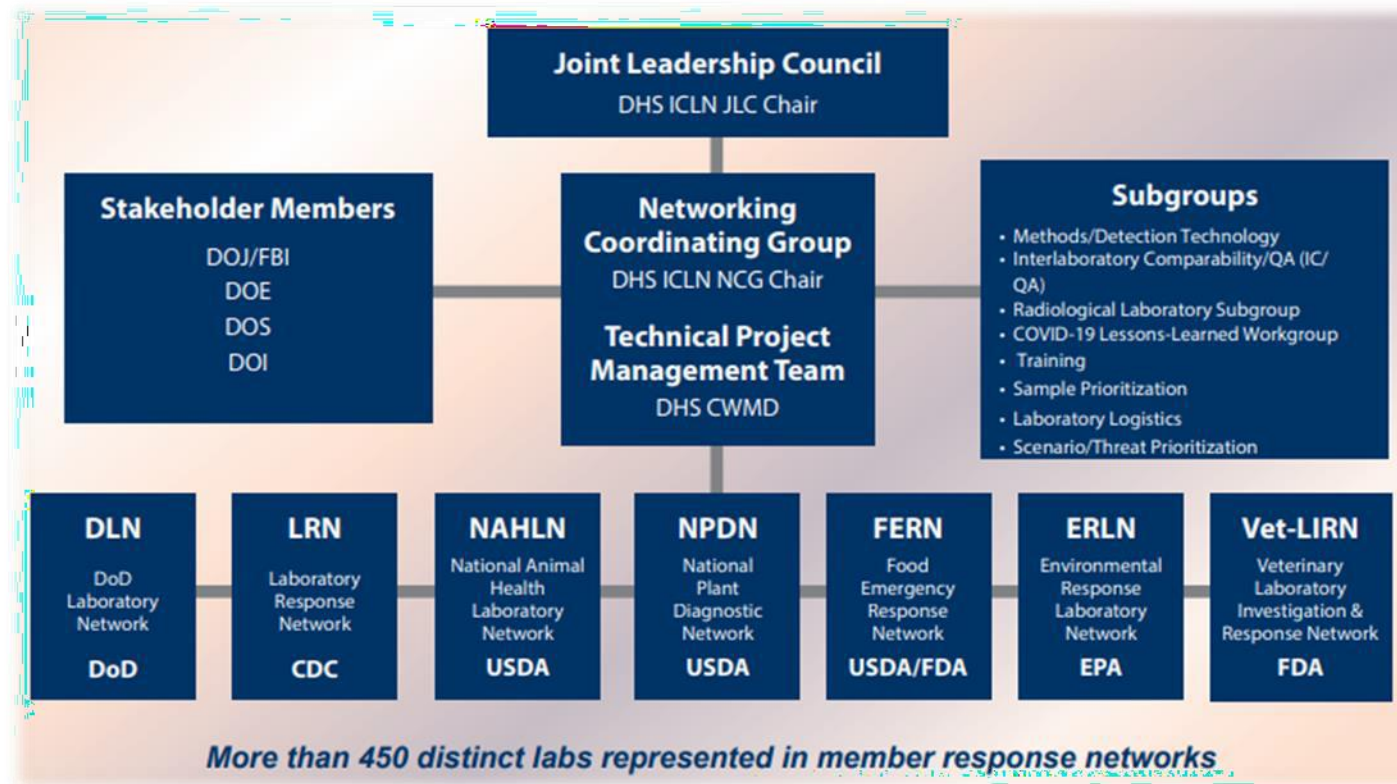
Proposing OASIS NIEMOpen Analytical Laboratory Sub-Committee



About ICLN



- The Integrated Consortium of Laboratory Networks (ICLN) coordinates federally sponsored analytical laboratory services for chemical, biological, radiological, and nuclear incidents. The ICLN does this through planning, identifying resources, providing laboratory surge capacity support, and defining key process steps for information exchange and data sharing during an incident.



ICLN Coordination



Two Major Coordinating Elements of the ICLN:

- 1. STRATEGIC LEVEL:** Joint Leadership Council (JLC) is made up of one senior policy member from each Department or Agency participating in the ICLN.
 - The JLC is charged with “assuring an appropriate strategy is in place to support an effective all-hazard laboratory response capability.”
- 2. OPERATIONAL LEVEL:** Network Coordinating Group (NCG) is composed of senior technical and program representatives.
 - The NCG is charged with “promoting enhanced commonality and integration of network functions.”
 - There are presently seven networks within the NCG: **DLN, CDC LRN, ERLN, FERN, NAHLN, NPDN, and Vet-LIRN.**

Network Name	Primary Network Focus
DLN: DoD Laboratory Network; Agency: DoD	Human clinical, animal (e.g., zoonotic surveillance), vector-borne (e.g., mosquito and tick surveillance), environmental, and food matrices of the military
ERLN: Environmental Response Laboratory Network; Agency: EPA	Environmental matrices
FERN: Food Emergency Response Network; Agencies: HHS/FDA and USDA/FSIS	Food consumed by humans and animal feeds
LRN: Laboratory Response Network; Agencies: HHS/CDC	Clinical specimens as well as environmental, water, and food samples
NAHLN: National Animal Health Laboratory Network; Agency: USDA	Animal clinical/live animals in the field
NPDN: National Plant Diagnostic Network; Agency: USDA	Plants/crops in the field
Vet-LIRN: Veterinary Laboratory Investigation & Response Network; Agencies: HHS/FDA	Regulatory compliance and safety of animal feeds and veterinary drugs by testing animal diagnostic samples

NIEMOpen Analytical Laboratory Sub-Committee Value Proposition

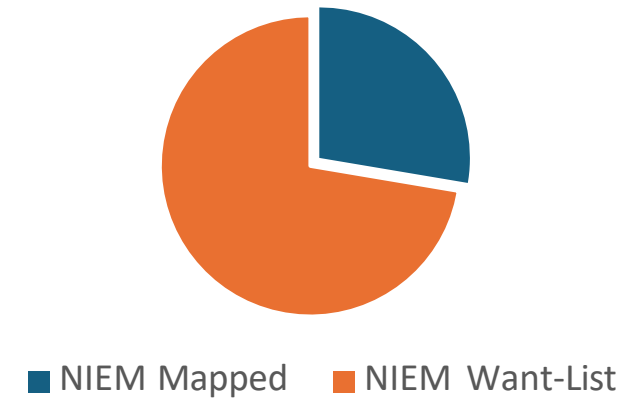


- Increases use of analytical Labs common and standard data and information sharing model for their Community of Interest
- Using NIEMOpen increases interoperability within the DoD, DHS and other federal, state, local, and tribal entities
- Reduces development and maintenance costs for any entity seeking information sharing links with Integrated Consortium of Laboratory Networks
- Analytical Laboratory broadens accessibility of information to Other NIEMOpen sub-committee members
- Promotes analytical Labs community-based agreements on Data Element names and definitions and code list

Analytical Laboratory Sub-Committee Initial Data Element overview

- Analytical Laboratory initial Minimum Data Element (MDE): 47
- Analytical Laboratory Data Elements Mapped to NIEMOpen: 13
- Analytical Labs Data Elements inclusion into NIEMOpen (want-List): 34
- The Analytical Laboratory 13 Data Elements are mapped to the NIEM CORE
- Standards harmonization activity is required to harmonize the initial Analytical Laboratory code list such as “Location Type” and “Uncertainty Type”

Initial Analytical Laboratory
Data Element



MDE = Minimum Data Element
Want-List = List of attributes requiring standardization for
input into OASIS

NIEMOpen Analytical Laboratory Sub-Committee Next Steps

- ✓ Establishing a business need and formal NIEM model functional area
 - e-CLA and I-CLA (Contributor License Agreement)
- ✓ Registering for NIEMOpen mailing lists
- Reviewing OASIS lightweight rules: <https://www.oasis-open.org/policies-guidelines/open-projects-process/>
- Review NBAC governance doc

[Open Project Rules](#)

This version of the OASIS Open Project (OP) Rules was approved by the OASIS Board of Directors on 14 June 2022 and became effective immediately. The change was announced to OASIS members on 01 July 2022 in <https://lists.oasis-open.org/archives/members/202207/msg00000.html> Table of Contents 1. Purpose of Open Projects 2. Project Formation 3. Roles of Parties in the [...] www.oasis-open.org

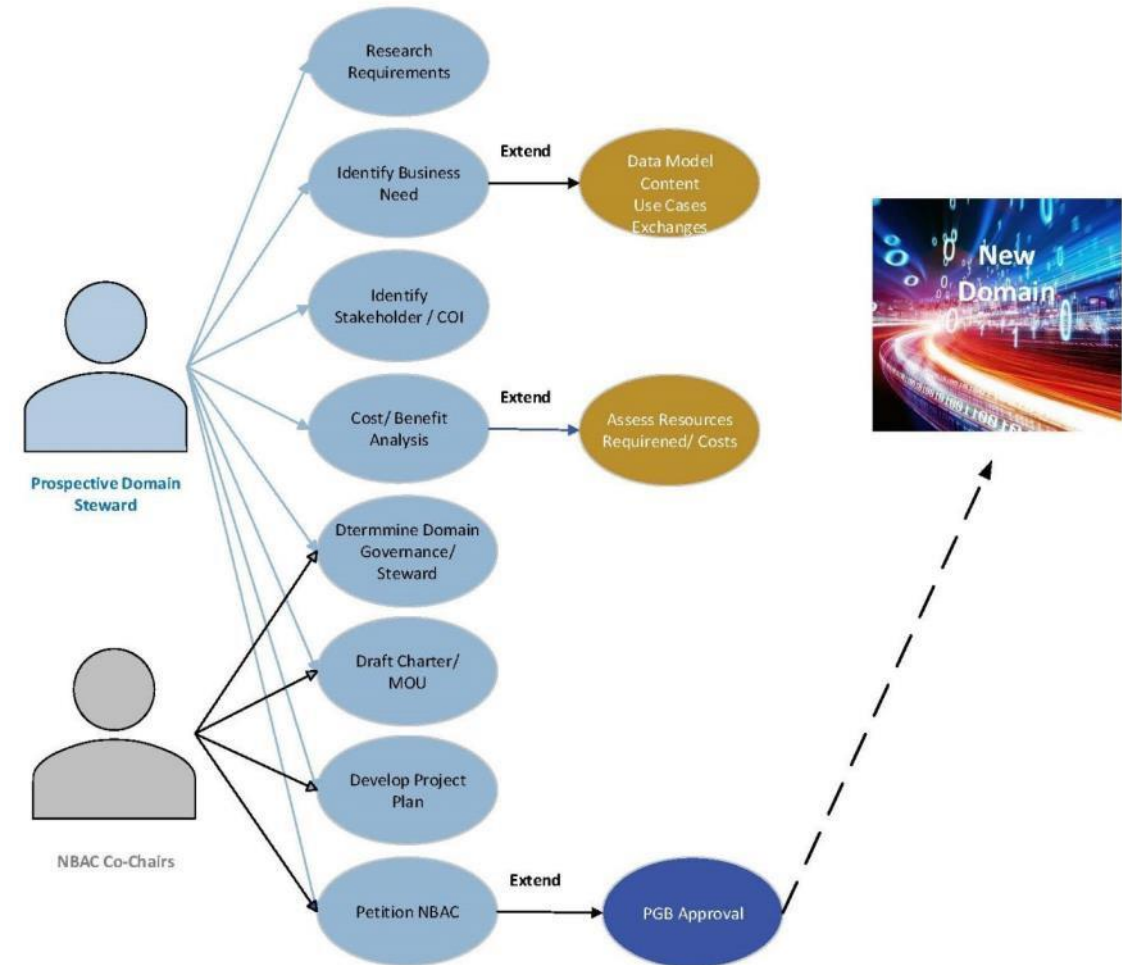
- ✓ Establishes the organization, governance, rules, and processes for their Col (i.e. Drafting a governance doc) to manage the model content associated with the Analytical Laboratory Sub-Committee
- ✓ Attending NBAC meetings
- ✓ Preparing a brief for the NBAC
- ✓ Actual content can be worked on, before hand, in parallel or after creating the Sub-Committee

NIEMOpen Analytical Laboratory Sub-Committee Operational Responsibilities

With the Support of DHS S&T Standard's Office

- Finalize governance document
- Create standard operating procedures
- Appoint Chair/Co-Chairs
- Appoint NBAC TSC voting members
- Maintain a roster
- Schedule and hold public meetings
- Conduct a kickoff meeting
- Conduct sub-committee business
- Technical - create model and exchanges
- Technical - participate in harmonization and model version cycle activities
- Conduct outreach to stakeholders.

Sub-Committee Instantiation





Homeland Security

Science and Technology

DIVERSE PERSPECTIVES + SHARED GOALS = POWERFUL SOLUTIONS



ICLN Tools

Portal: A secure, password-protected web portal that can be used by member networks on a day-to-day basis as well as during an incident.



Combined Registry: A password-protected database that houses the Methods Registry, network proficiency testing data and schedules, and the training calendar.



The Combined Registry is a multi-function application and available through the ICLN Portal. It provides the ICLN community the ability to securely access and share Methods, Proficiency Testing, Training information, and schedules.

Data Exchange

Utility: A secure online system that supports the exchange of laboratory results data in an agreed-upon standardized ICLN format, available through the ICLN Portal.



- Converts from native network formats to common MDE* format
- >10K record upload in <10 minutes
- 400K records searchable <4 minutes with 8 concurrent users

*MDE = Minimum Data Elements; A format developed by the Methods and IT subgroups comprising some 40 fields intended to encompass all attributes potentially associated with samples.

Standard Operating Procedure/ Key Process Steps Checklist:

Provides guidance on how to request assistance for capability/capacity support from fellow networks; describes the processes/procedures to communicate about ongoing incidents/events; simplifies data reporting between network program offices; and assists with returning resources back to their home network.



OPERATIONAL STEPS OF THE ICLN

ICLN Activated

- Network member recognizes there may be a need for collaboration.
- Incident is created on the ICLN Portal.
- Communication is sent to all NCG members.

Initial SITREP

- A SITREP is issued when a potential or evolving situation has been confirmed as a valid incident via a positive analytical result.

ICLN Coordination Teleconference

- Details of the incident, including current laboratory capacity and capability, are discussed. Resources may be requested to help respond to the incident.

SITREP Updates & Data Exchange

- SITREPs are updated as new information becomes available.
- Analytical data results are uploaded to the ICLN Data Exchange Utility.

ICLN Deactivated

- Resources no longer needed are returned to their home network.
- Final SITREP issued to close out incident.

— This process may vary slightly from incident to incident. —

ICLN Exercises

Completed ICLN Tabletop (TTX) and ILCE/Live Sample Exercises:

Monthly Exercises

Tabletop Exercises

Internetwork Laboratory Coordination Exercises

Interagency Exercises

ICLN COLLABORATION & COORDINATION

Tabletop Exercises (TTXs):

- B. anthracis (December 2008)
- Melamine in macaroni product (December 2008)
- H5N1 exercise (2009)
- B. anthracis inhalation (IBRD, July 2010)
- B. anthracis inhalation (October 2010)
- C. botulinum in food (October 2010)
- Sodium fluoroacetate in food (October 2010)
- Foot and Mouth Disease (March 2011)
- Rhythibacter Toxicus (September 2011)
- Rad TTX: 3 RDD (Denver, Chicago, Los Angeles) using Strontium-90 and Plutonium-238 (February 2012)
- Chemical-in-Milk/ChemR2 (August 2012)
- Foot and Mouth Disease in Milk (May 2013)
- Radiological IND (July 2013)
- Anthrax Validation Exercise (April, 2014)

- Cyclosarin Tabletop Exercise (September 2014)
- Nuclear Power Plant Tabletop Exercise (June 2015)
- Sodium Fluoroacetate Tabletop Exercise (December 2015)
- Cyanide/Ethyl Parathion/Strontium-90 Mixed Agent Tabletop Exercise (September 2017)
- Opioid Tabletop Exercise (September 2018)
- Biological/Radiological – Americium-241/ Highly Pathogenic Avian Influenza (H5N1) (June 2022)

Internetwork Laboratory Coordination Exercises (ILCEs) & Live Sample Exercises:

- BioRad2 Live Sample Exercise (January 2023)
- Fentanyl Live Sample Exercise (January 2024)

IN SUMMARY:

The ICLN delivers a coordinated consortium of networks that are:

- Aligned with national, departmental, and agency guidance, policies, and response mechanisms.
- Poised to deal with high consequence, low probability events by leveraging existing laboratory resource capability and capacity.

The ICLN provides an operational, cost-effective contribution to national security.

CONTACT INFORMATION

Email:
ICLN@HQ.DHS.GOV
Public Website:
<https://www.icln.org/>



NMO TSC UPDATE

- Fresh start for MilOps – Darcy Staley
 - Ongoing efforts (Model Content/MEPs)
 - DMDC
 - USMTF
 - DISA
- USDOT Model Minimum Uniform Crash Criteria (MMUCC) updates
- Potential “new” domains/sub-committees
 - Cyber – DC3 discussions to invigorate Cyber
 - Multilateral Interoperability Programme (IP)/ MIP Information Model (MIM) discussions
 - <https://www.mimworld.org/portal/projects/welcome/wiki/Welcome>
 - Analytic Laboratory (AL) domain/sub-committee onboarding discussions
 - <https://www.icln.org/>
- Progress toward:
 - NDR 6.0
 - Model Version 6.0 PS02
 - API 2.0
 - Training Updates reflecting Model Version 6.0 and NDR 6

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

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

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

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

PGB MEETING SCHEDULE

NEXT PGB Meeting

- Thursday, 30 January 2024
- Virtual Meeting 2 – 4 PM EDT
 - Virtual: MS TEAMS

CY 2025 Meeting Dates			
Q1	JAN 30	2 – 4 PM	EST
Q2	APR 24	2 – 4 PM	EDT
Q3	JUL 31	2 – 4 PM	EDT
Q4	OCT 28	2 – 4 PM	EDT

OTHER BUSINESS/DISCUSSION

- **PGB Action Items**

- Sign up for Summit: <https://sites.google.com/oasis-open.org/niemopen-training-2025/register>
- Submit Nominations for NIEMOpen Excellence Awards
 - Instructions posted on NIEMOpen Website
 - Questions Email: shunda.r.louis.ctr@mail.mil beth.l.smalley.civ@mail.mil
- Provide input on “how your organization is using NIEM”
 - Email: shunda.r.louis.ctr@mail.mil aubrey.l.beach.ctr@mail.mil
- Post your IEPDs/MEPs to repo
 - <https://www.niem.gov/about-niem/message-exchange-package-mep-registry-repository>

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>



<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](#)



ADJOURN

- Chair: Do any of the PGB members or our attending guests have any questions?
- Chair: Meeting Adjourned



BACKUPS