



# NIEMOPEN

## PGB Session

11 April 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, 11 April 2024.

# VENUE

## PGB Meeting

- 11 April 2024
- Virtual Meeting 2-4 PM EST
  - Virtual: MS TEAMS

## 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#

**Current and post meeting location of 11 Apr PGB  
Meeting documents:**

# 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)

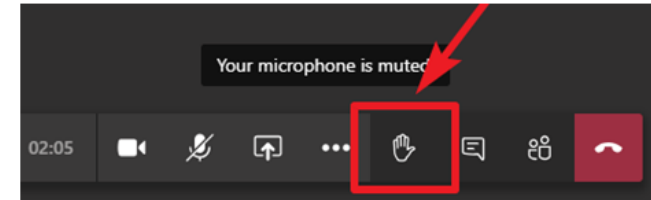
**Please note:** ESC sessions are audio recorded.

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](mailto:aubrey.l.beach.ctr@mail.mil)



Shunda Louis

[shunda.r.louis.ctr@mail.mil](mailto:shunda.r.louis.ctr@mail.mil)



Stephen Sullivan

[stephen.m.sullivan14.ctr@mail.mil](mailto: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
- PGB Expert Voting Members
  - NBAC TSC
  - NTAC TSC
  - NMO TSC
- PGB Expert NON-Voting Members

# 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



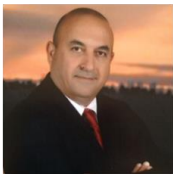
**Mr. Payton Lamb**  
Data Engineer Commonwealth of Virginia  
Office of the secretary of Administration  
Office of Data Governance and Analytics



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

## PGB EXPERT VOTING MEMBERS

### Technical Steering Committees



**Kamran Atri**  
**Co-Chair**  
NIEM Business Architecture Committee (NBAC)  
Technical Steering Committee (TSC)



**Jim Cabral**  
Vice President, Court Relations, InfoTrack



**Beth Smalley**  
**Co-Chair**  
NIEM Management Office (NMO)  
Technical Steering Committee (TSC)

## PGB NON-VOTING MEMBERS

### Technical Steering Committees



**Thomas Krul**  
**Co-Chair**  
NIEM Business Architecture Committee (NBAC) Technical Steering Committee (TSC)



**Dr. Scott Renner**  
**Co-Chair**  
NIEM Technical Architecture Committee (NTAC) Technical Steering Committee (TSC)



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

TSC	Approved (TSC CHAIRS)
NMO TSC	Ms. Katherine Escobar & Ms. Beth Smalley
NBAC TSC	Mr. Kamran Atri & Mr. Thomas Krul
NTAC TSC	Dr. Scott Renner & Mr. Jim Cabral

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 11 APRIL 2024 PGB AGENDA

## Call to Order

- Admin
  - TEAMS Link
  - Meeting Etiquette
  - Note Takers
  - Roll Call & Introductions
    - 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 25 Jan 2024
- OASIS Staff / NIEMOpen Administrator Comments
- Q1 Financial Snapshot – Cathie Mayo (OASIS)
- Sponsor Update – Carol Geyer
- CY 2024 Planning

## 5 Minute Break

## Motions

1. Motion to approve CY 2024 Q3 &4 PGB Revised Meeting Dates – Beth Smalley
2. NIEMOpen Reveal Event Update – Katherine Escobar
  - Motion to approve Committing funds to reserve facilities at the National Press Club– Beth Smalley
3. PS02 Update – Dr. Renner
  - Motion to approve Updating NIEM Model Version 6.0 to PS02.

## Updates

- NTAC Update
  - Common Model Format (CMF) – Dr. Renner
  - CMF Tool – Dr. Renner
  - NDR \_Dr. Renner
- NBAC Update – Kamran Atri
- NMO Update
  - NMO TSC Transition – Katherine Escobar
  - API 2.0 – Shunda Louis
  - MEP Tool – Aubrey Beach
  - Comms & Outreach SC – Paul Wormeli
- Next Meeting
- Other Business/General Discussion
- Questions/Adjourn

# APPROVAL OF AGENDA

- **Chair:** A Draft Agenda for the NIEMOpen 11 Apr 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 distributed (corrected).

✓ ?

☐

Approve

☐

Approve as Corrected

# BLUF

## PGB CALL TO ACTION

- There is a cost to produce model releases, maintenance & updates:
    - Development Support
    - OASIS Workflow
      - Project Specification Draft
      - Project Specification
      - OASIS Standard
    - Harmonization
    - Model Release
- 3 FTE @ \$1M ROM**



## Sources of Funding

Description	Status
Crowdsourcing funding through sponsorship (\$ 100K surplus/YR)	Q1 2024 ~33K
Contributions beyond sponsor dues	Q1 2024 = 0
In-kind labor	Non-contract NMO, NBAC, NTAC & PGB
Special events: 2025 NIEMOpen Reveal surplus \$ (~ \$ 25 k)	Q1 2024 = 0
Monetizing key activities: training help desk & tech support	Q1 2024 = 0



# PGB MEMBERS: AROUND-THE-HORN



# APPROVAL OF 25 JAN 2024 PGB MINUTES

- **Chair:** A Draft of the NIEMOpen 26 October 2023 PGB meeting minutes was provided to the PGB Voting Members as a readahead:  
[https://github.com/niemopen/oasis-open-project/blob/main/pgb-meeting-minutes/2024/25-January-2024/\(DRAFT\)%20NIEMOpen%20PGB%20Meeting%20Minutes%2025%20Jan%202024%20v2%201-30-2024.docx](https://github.com/niemopen/oasis-open-project/blob/main/pgb-meeting-minutes/2024/25-January-2024/(DRAFT)%20NIEMOpen%20PGB%20Meeting%20Minutes%2025%20Jan%202024%20v2%201-30-2024.docx)

Please let me know now if you found any errors.

- **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. Chet Ensign** – Chief Technical Community Steward at OASIS/ OP Administrator



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



- **Ms. Carol Geyer** – OASIS Chief Development Officer



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



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



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





# FY 2024 Q1 FINANCIALS

Ms. Cathie Mayo – OASIS  
CFO

NIEMOpen Quarterly Reporting

Period: Q1-2024

Date: April 10/2024



Summary of Activities	Total Funds	OASIS OP Sponsor Dues	NIEMOpen General Funds
<b>NIEM Funding</b>			
Fy2023 General Funds Carry Over			\$ 123,600.00
<b>Fy2024 Revenues</b>			
Q1-2024	\$ 98,550.00	\$ 78,550.00	\$ 20,000.00
Q2-2024 (YTD)	\$ 70,000.00	\$ 50,000.00	\$ 20,000.00
Q3-2024			
Q4-2024			
<b>Fy2024 Revenues</b>	<b>\$ 168,550.00</b>	<b>\$ 128,550.00</b>	<b>\$ 40,000.00</b>
<b>TOTAL FUNDING : NIEMOpen</b>			
			<b>\$ 163,600.00</b>

# FY 2024 Q1 FINANCIALS (CONT.)

Expenditures			
Fy2023 Expenditures			\$ 1,298.00
Fy2024 Expenditures			
Q1-2024			
GTRI Contract Fy2023	*Pending		\$ 100,000.00
AWS Actuals			\$ 995.46
Atlassian Actuals			\$ 1,455.66
The National Press Room 2025 Summit Deposit			\$ 3,700.00
Q1-2024			\$ 106,151.12
Reserves:			
2025 Summit	~\$40,000		\$ 36,300.00
AWS balance	~ 7,417.80		\$ 5,563.35
Atlassian balance	~ \$6,000		\$ 4,321.71
Learn Press	~ \$2,000		\$ 2,000.00
EIN Presswire	~ \$2,000		\$ 2,000.00
Fy2024 Expenditures & Reserves			\$ 156,336.18
TOTAL EXPENDITURES : NIEMOpen			
Balance of Available Funds			\$ 5,965.82

# FY 2024 Q1 FINANCIALS

## NIEMOpen Project

### FY 2024 PROJECT REVENUE REPORT

### Project Revenue Allocations

Sponsors	Date joined- Date renewed	Sponsor Level	Dues	Payment Status	OASIS OP Sponsor Dues (up to \$135k)	NIEMOpen General Funds
<b>Quarterly Reporting Q1-2024</b>						
<b>Period: 1/1/2024-3/31/2024</b>						
<b>Date: 4/10/2024</b>						
Joint Staff J6	2/21/2024	Premier	\$68,250	Open	\$48,250	\$20,000
US Department of Transportation	3/13/2024	Sponsor	\$29,000	Paid	\$29,000	
Commonwealth of Virginia Office of Data Governance and Analytics (ODGA)	3/23/2024	Sponsor	\$1,300	Open	\$1,300	
<b>Q1-2024 Totals</b>			<b>\$98,550</b>		<b>\$78,550</b>	<b>\$20,000</b>
<b>Quarterly Reporting Q2-2024</b>						
<b>Period: 4/1/2023-6/30/2024</b>						
<b>Date:</b>						
Federal Bureau of Investigation	4/1/2024	Confirmed	\$70,000	Open	\$50,000	\$20,000
<b>Q2-2024 Totals</b>			<b>\$70,000</b>		<b>\$50,000</b>	<b>\$20,000</b>

# NIEMOpen Current SPONSORS “No Change”

- Sponsors

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

9 Sponsors, 3 Premier



Premier



Premier



Premier



- In Discussions

- Microsoft
- DHS OBIM
- DND, Canada
- DOJ



Department of National Defense



VA U.S. Department of Veterans Affairs



- Expressed Interest

- MITRE
- Veterans Administration
- Tyler technologies
- Ernst & Young
- NIST
- DISA
- NOAA
- Pinary



Ms. Carol Geyer  
– OASIS Open Chief Development Officer



# 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

## 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 NIEM API 2.0
- Develop/Complete NIEM Model Version 6.1
- Submit NIEM Model Version 6.1 as Open Project Release
- Complete/contribute CMF tool
- Complete transfer of github.io files to NIEMOpen
- Execute 2025 NIEMOpen Reveal
- Complete/IOC MEP Builder Tool

## Recurring/On-Going

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

# PGB TOPICS FOR CONSIDERATION & VOTE

## Motions

1. Approve Revised CY 2024 Q3 & 4 PGB Meeting Dates
2. Approve resources to secure meeting facilities (Ballroom & 2 breakout rooms) at the National Press Club for the NIEMOpen REVEAL event
3. Motion to Approve Updating NIEM Model version 6.0 (PS01) to PS02 to redress minor Bug Fixes & administrative corrections

## Updates

- NTAC TSC
- NABC TSC
- NMO TSC



# MOTION TO APPROVE CY 2024 (Q 3, & 4) REVISED PGB MEETING DATES

- **Chair:** A proposal to approve updating CY 2024 Q 3 & 4 PGB Meeting Dates was submitted as a readahead to PGB Voting Members.
- **Maker: (NMO-Beth Smalley)** I motion that the following PGB Meeting Dates be accepted for the remainder of CY 2024:.

CY 2024 Meeting Dates			
Q3	AUG 1	2 – 4 PM	EDT
Q4	NOV 7	2 – 4 PM	EDT

- ***SECOND?***
- **Chair:** (Debate) Do any of the members have comments on the proposal?
- **Chair:** Conducts a Simple Majority Vote
- **Chair:** Announces Vote

## Resolution



Approve



Approve w/Comment



Table/Reject



# NIEMOPEN

## NIEMOpen Reveal Update

*Data Standard, Redefining the International Information Landscape*

11 April 2024

Ms. Katherine Escobar  
NIEMOpen Project Governing Board Chair

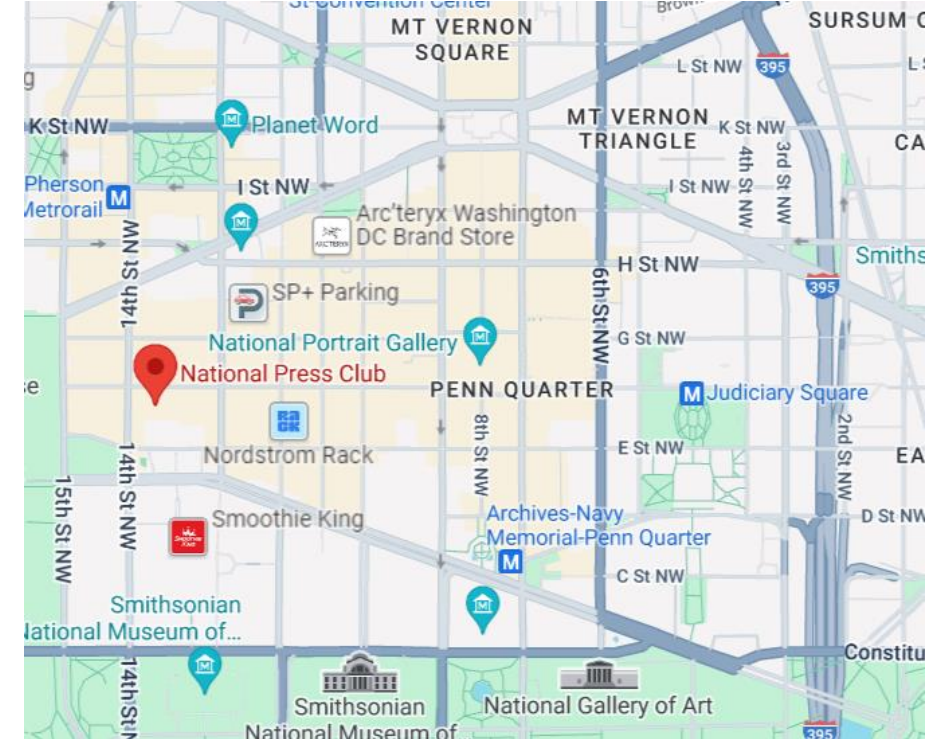
# PURPOSE & GOALS

- **Reveal the “new” NIEMOpen after transitioning to an OASIS Open Project**
  - The event will offer a cost-effective training and recruitment platform for NIEMOpen, establishing an annual training gathering for IT professionals spanning Federal, State, Local, Tribal, International, and Commercial sectors.
- **Objectives**
  - Facilitate interactions among open-source community members, providing them with the opportunity to meet, share insights, and learn from leaders of NIEMOpen, OASIS, and sponsoring partners regarding NIEMOpen implementation.
  - Re-establish an annual opportunity for the NIEMOpen community and partners to connect with each other and engage with senior PGB leadership.
  - Formal Recognition “Awards” NIEMOpen exemplary work.
  - Increase Community awareness
  - Potential funding surplus to support NIEMOpen tech development
  - Sponsorship recruitment
  - Vendor engagement

# PROGRAM CONSIDERATIONS

- **Agenda:** Spanning three days and encompassing up to three tracks:
  - Plenary
  - Technical Primer
  - Expert Technical
  - “Hackathon”
- **Tracks:** Tailored for diverse roles in NIEMOpen, aligning with its dedication to supporting member organizations' missions.
  - **Plenary:** focusing on issues of interest to the broad information exchange and Standards communities
  - **2 Training Tracks:** offering both Primer and Expert NIEM Model and architecture technical sessions, standalone talks, interactive panels, and/or expertly moderated Q&A sessions.
  - **Hackathon:** NIEMOpen offsite developer challenge coincident with ongoing Reveal events. Winners selected on last day and announced at plenary.
- **Keynotes:** From various levels of government and industry
- **Speakers:** To feature former trailblazers from founding organizations like DHS, DOJ, and Health & Human Services to newcomers within the community. Speakers to be recruited both by invitation and open call for presentations.

# NATIONAL PRESS CLUB



[Homepage](#) | [National Press Club](#)

**Located in:** [National Press Building](#)

**Address:** 529 14th St NW,  
Washington, DC 20045

**Founded:** March 29, 1908

**Phone:** [\(202\) 662-7500](tel:(202)662-7500)



# FINANCIAL BACKGROUND

- **Event Expenses:** Hosting a 300-person event will incur costs ranging from \$150,000 to \$225,000
- **Event Revenue:** Funding to cover expenses will come from a mixture of sponsorship and registration fees.
- **Deposit:** Advance payment funding up to \$40,000 will be involved (non-refundable/transferrable).
- **Event Profit:** Profit from the event will go back to the NIEMOpen project.

NIEMOpen Training Summit Draft Budget			
			Preliminary Estimate
#	<b>Registration Revenue</b>		
30	Attendance Fee (early bird before 15 November)	\$ 695.00	\$ 20,850.00
20	Attendance Fee (late after 15 November)	\$ 795.00	\$ 15,900.00
100	Government, non-profit, academics (early bird before 15 November)	\$ 395.00	\$ 39,500.00
80	Government, non-profit, academics (late after 15 November)	\$ 495.00	\$ 39,600.00
70	Complimentary (speakers)	\$ -	
0	Reception Ticket	\$ 50.00	\$ -
<b>300</b>	<b>Total Registration Income</b>		<b>\$ 115,850.00</b>
#	<b>Sponsorship Revenue</b>		
1	Diamond Sponsorship (reception-table-speaking op)	25,000	\$ 25,000.00
2	Platinum Sponsorship (speaking op-table)	15,000	\$ 30,000.00
4	Gold Sponsorship (table)	10,000	\$ 40,000.00
2	Silver Sponsorship (breaks/lunches)	7,500	\$ 15,000.00
3	Logo Only Sponsorship	1,500	\$ 4,500.00
<b>7</b>	<b>Total Sponsorship Income</b>		<b>\$ 89,500.00</b>
	<b>Total Potential Venue Expenses</b>		<b>\$ 165,152.00</b>
	<b>Total Potential Revenue</b>		<b>\$ 205,350.00</b>



# MOTION TO COMMIT RESOURCES TO SECURE MEETING FACILITIES (BALLROOM & 2 BREAKOUT ROOMS) AT THE NATIONAL PRESS CLUB FOR THE NIEMOPEN REVEAL EVENT

- **Chair:** A proposal to commit ~ \$ 31K to secure meeting facilities at the National Press Club.
- **Maker:** (NMO TSC: Beth Smally) I motion that the PGB approve:
  - Committing approximately 31K to secure meeting facilities at the National Press Club contingent on the availability of funds.
  - Note, the total cost is expected to be \$31K. Non-recoverable/transferrable.
  - This expenditure is expected to be paid back via sponsors and registration fees.

- ***SECOND?***
- **Chair:** (Debate) Do any of the members have comments on the proposal?
- **Chair:** Conducts a Simple Majority Vote
- **Chair:** Announces Vote

## Resolution



Approve



Approve w/Comment



Table/Reject

# NIEM MODEL 6.0 PS02

- One minor change to a technical architecture namespace
  - Complex types in structures namespace must have `appliesToParent` attribute
- No change to model content
- Ready for approval vote today

# MOTION TO APPROVE UPDATING NIEM MODEL VERSION 6.0 (PS01) TO PS02 TO REDRESS MINOR BUG FIXES & ADMINISTRATIVE CORRECTIONS

- **Chair:** A proposal to approve updating NIEM Model Version 6.0 (PS01) to PS02 will be proposed by the NTAC TSC. Included in the motion is direction to publish PS02 to the OASIS Library once approved by the PGB.
- **Maker:** (NTAC Co-Chair Jim Cabral) I Motion that the PGB approve updating the NIEM Model Version 6.0 (PS01) as contained in:
  - Markdown (Authoritative):  
<https://docs.oasis-open.org/niemopen/niem-model/v6.0/ps01/niem-model-v6.0-ps01.md>
  - HTML:  
<https://docs.oasis-open.org/niemopen/niem-model/v6.0/ps01/niem-model-v6.0-ps01.html>
  - PDF:  
<https://docs.oasis-open.org/niemopen/niem-model/v6.0/ps01/niem-model-v6.0-ps01.pdf>
  - Complete Package ZIP file at:  
<https://docs.oasis-open.org/niemopen/niem-model/v6.0/ps01/niem-model-v6.0-ps01.zip>to PS02 contained in <https://github.com/niemopen/niem-model/tree/a1fed15461a97960519cbc4d8e66d3618bdca37d>  
or can be downloaded as a zip file from  
<https://codeload.github.com/niemopen/niem-model/zip/a1fed15461a97960519cbc4d8e66d3618bdca37d>

- Furthermore, direct the Chair to work with OASIS staff to publish the PS02 to the OASIS Library once approved by the PGB.
- ***SECOND?***
- **Chair:** (Debate) Do any of the members have comments on the proposal?
- **Chair:** Conducts a Simple Majority Vote
- **Chair:** Announces Vote

## Resolution



Approve



Approve w/Comment



Table/Reject

# BREAK



# NTAC TSC UPDATE

- PS02 ( Discussed as predicate to motion to approve)
- Common Model Format (CMF)
- CMF Tool – Dr. Scott Renner
- NDR – Dr. Scott Renner

# COMMON MODEL FORMAT (CMF)

- The alpha-3 version of CMF 1.0 is posted
- Integrated with CMFTool
- Basically stable, no major revisions expected
- Ready to enter PSD01 process



# CMFTOOL

- A command-line developer tool for working with NIEM XSD and CMF
  - Also provides functionality to API 2.0
- Provides round-trip translation between NIEM XSD and CMF
- Also generates simplified message schema XSD
  - Addresses several developer complaints
- The alpha-2 version of CMFTool 1.0 is posted
  - Not a specification, no PSD process required
  - Bug reports and change requests are anticipated

# NDR 6.0 REVISION

- 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
- A working outline and initial version is posted
- Progress is progressing

# NBAC TSC UPDATE

- Update NIEM MODEL Version 6.0 PSO1 TO PS02
- Obtain 3 Statements-of-Use for NIEM Model 6.0
- Advance NIEM Model Version 6.0 PS02 to OS
- Support NIEMOpen 2025 Reveal

# NMO TSC UPDATE

- NIEMOpen Reveal (Discussed as predicate to motion to reserve NPC facilities)
- API 2.0 Progress – Ms. Shunda Louis
- MEP Tool – Aubrey Beach
- NMO TSC Transition Planning Katherine Escobar
- Communications & Outreach Sub-Committee

# API 2.0 UPDATE

## Completed actions:

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.

## References:

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.



# MEP BUILDER HOSTING & DEPLOYMENT

- Completed implementation of AWS Hosting dev and prod environments
- Full documentation of deployment and maintenance procedures for future releases (if funded and/or community contribution)
- Automated backups, file retention policy for IEPD/MEP archiving, publicly accessible (upon approval of account)
- Code base completely open-source and containerized, available (TBD) on GitHub for distribution

## MEP Builder v3.2.5 Release

- NMO collected feedback from testers in March 2024 to identify bugs and future enhancements
- MEP Builder developers have resolved import issues and now included IEPD/MEP validation API endpoints
- Improved Administrator features to update/reassign IEPD/MEP's; improved user management capabilities



# COMMUNICATIONS & OUTREACH SUB-COMMITTEE

- Assisting NIEMOpen Management Office on planning for NIEMOpen Reveal
- Exploring long term options for NIEMOpen management functions
- Developing stewardship resources for inactive domains
- Planning with DAMA to expand use cases for NIEMOpen
- Presentations on NIEMOpen to industry, Practitioners
- Exploring new domains
- Soliciting deeper industry participation
- Response to inquiries from presentations



# NIEMOPEN

## NM0 Transition

Ms. Katherine Escobar  
NIEMOpen Project Governance Board Chair

# PGB MEETING SCHEDULE

## NEXT PGB Meeting

- Thursday, 1 August 2024
- Virtual Meeting 2 – 4 PM EDT
  - Virtual: MS TEAMS

## Subsequent CY 2024 Meetings

- Thursday, 7 November 2024, 2-4 PM EDT

Pending Approval

# OTHER BUSINESS/DISCUSSION

?

# ADJOURN

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



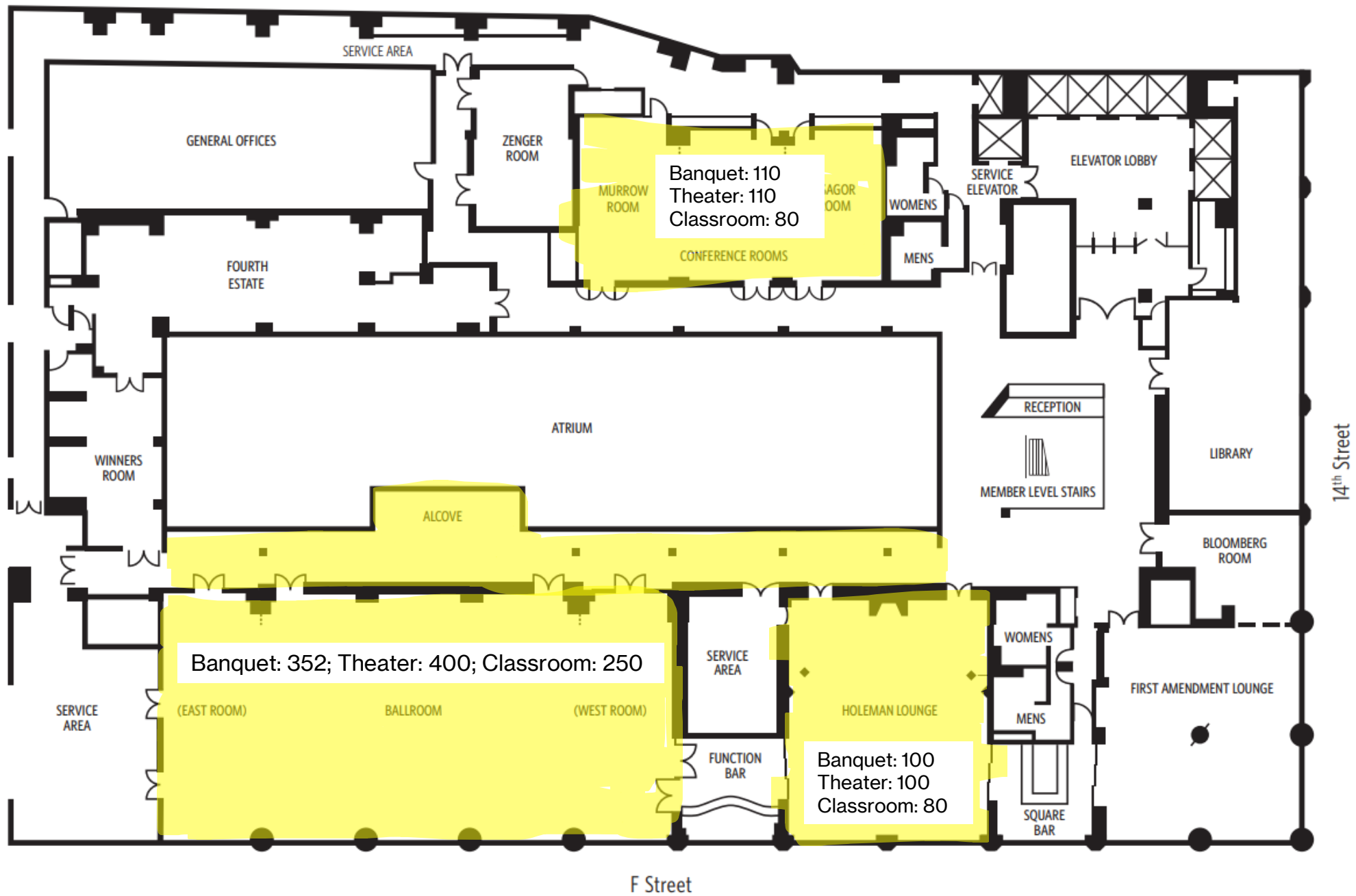
# BACKUPS



# SLIDES PENDING

- # 15 Q1 2024 Financials – Cathie Mayo
- # 36 MEP - Aubrey

**Slides requested by this Thursday, 4 April to make it in the readahead, otherwise NLT 10 April for 11 April PGB.**



# COST BREAKOUT – FACILITIES NPC

## Room Rental

	Day Zero Morning	Day Zero Afternoon	Day Zero Evening	Day One Morning	Day One Afternoon	Day One Evening	Day Two Morning	Day Two Afternoon	Day Two Evening	Day Three Morning	Day Three Afternoon	Day Three Evening	
Ballroom A-B-C				\$3,700.00	\$3,700.00		\$3,700.00	\$3,700.00		\$3,700.00			\$18,500.00
MWL Rooms					\$1,100.00			\$1,100.00		\$1,100.00			\$3,300.00
Holeman Room					\$1,600.00	\$1,600.00		\$1,600.00		\$1,600.00			\$6,400.00
First Amendment Room					\$1,400.00	\$1,400.00							\$2,800.00
													\$31,000.00

# REVEAL AGENDA (DAY 1, 18 FEB 2025)

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

- Holman Lounge - Track 2 -- set for either 80 classroom or 100 theatre (or mixture)  
Conference Rooms (Murrow-White-Lisagor) - Track 3 -- set either 76 classroom or 110 theatre (or mixture)
- First Amendment Lounge - Backup for tabletops, Reception space

Day 1 (18 February 2025)			
Time (US EST)	Track 1 Grand Ballroom (Executive Plenary)		
8:00 – 8:45 (45 min)	Registration		
8:45 - 9:15 (30 min)	Open Session/Welcome Message - <b>Katherine Escobar</b> (NIEMOpen Project Governing Board Chair/ Joint Staff J6 Data and Standards)		
9:15 - 9:40 (20 min)	OASIS Overview – <b>Francis Beland</b> (OASIS OPEN - Executive Director)		
9:40 - 10:05 (25 min)	Why NIEMOpen? - <b>Kshemendra Paul</b> (Department of Energy Assistant Inspector General for Cybersecurity Assessments and Data Analytics)		
10:05 - 10:30 (25 min)	Panel Discussion (CIOs) Moderator: <b>Katherine Escobar</b>		
10:30 - 10:45	Break		

# REVEAL AGENDA (DAY 1, 18 FEB 2025)

10:30 - 10:45	Break		
10:45 - 11:30 (45 min)	<b>Keynote Speaker - The Honorable Mark R. Warner</b>		
11:30 - 12:30 (60 min)	<b>NIEMOpen Past Major Highlights/Accomplishments – Donna Roy</b> (Strategic Advisor, Guidehouse)  <b>Looking Toward the Future – Maria Cardiellos</b> (Executive Director IJIS)		
12:30 - 1:30	Lunch		

# REVEAL AGENDA (DAY 1, 18 FEB 2025)

Time (US EST)	Track 1 Grand Ballroom (Executive Track)	Track 2 Breakout Room # 1 (Technical Primer): Holeman Lounge	Track 3 Breakout Room # 2 M-W-L (Technical Expert)
1:30-2:45 (75 min)	<b>Executive Overview</b> <ul style="list-style-type: none"> <li>• IEPD/MEP Methodology <ul style="list-style-type: none"> <li>◦ (30 min) – <a href="#">Tom Carlson</a></li> </ul> </li> <li>• Implementations <ul style="list-style-type: none"> <li>◦ (20 min) - <a href="#">Kamran Atri</a></li> </ul> </li> <li>• Governance – <a href="#">Stephen Sullivan</a> <ul style="list-style-type: none"> <li>◦ (15 min)</li> </ul> </li> <li>• Q&amp;A <ul style="list-style-type: none"> <li>◦ (10 min)</li> </ul> </li> </ul>	<b>Training Course Primer</b> <ul style="list-style-type: none"> <li>• LMS <ul style="list-style-type: none"> <li>◦ (15 min) – <a href="#">Aubrey Beach</a></li> </ul> </li> <li>• Training Module 1 <ul style="list-style-type: none"> <li>◦ (50 min)</li> <li>◦ What is NIEM? – <a href="#">Jim Cabral</a></li> <li>◦ Scope of NIEM – <a href="#">Jim Cabral</a></li> <li>◦ NIEM Harmonization and Organization – <a href="#">Tom Carlson</a></li> </ul> </li> <li>• Q&amp;A <ul style="list-style-type: none"> <li>◦ (10 min)</li> </ul> </li> </ul>	<b>What's New</b> <ul style="list-style-type: none"> <li>• Technical Architecture <ul style="list-style-type: none"> <li>◦ JSON</li> <li>◦ NIEM RDF &amp; Knowledge Graphs</li> <li>◦ (20 min) – <a href="#">Dr. Scott Renner</a></li> </ul> </li> </ul> <b>NIEM Model</b> <ul style="list-style-type: none"> <li>• Version 6.0/6.1 <ul style="list-style-type: none"> <li>◦ (15 min) – <a href="#">Christina Medlin</a></li> </ul> </li> <li>• Harmonization Process <ul style="list-style-type: none"> <li>◦ (10 min) – <a href="#">Christina Medlin</a></li> </ul> </li> <li>• NDR <ul style="list-style-type: none"> <li>◦ (10 min) – <a href="#">Jim Cabral</a></li> </ul> </li> <li>• Q&amp;A <ul style="list-style-type: none"> <li>◦ (10 min)</li> </ul> </li> <li>• NIEM Tools Overview <ul style="list-style-type: none"> <li>◦ (10 min) – <a href="#">Dr. Scott Renner</a></li> </ul> </li> </ul>
2:45 - 3:00	Break		

# REVEAL AGENDA (DAY 1, 18 FEB 2025)

3:00 – 3:45	<b>Executive Overview (cont.)</b> <ul style="list-style-type: none"> <li>Executive Version of NIEM Architecture                             <ul style="list-style-type: none"> <li>(15 min) – <a href="#">Jim Cabral</a></li> </ul> </li> <li><b>Summit Sponsors</b> (45 min)</li> </ul>	<b>Training Course Primer (cont.)</b> <ul style="list-style-type: none"> <li>Training Module 2                             <ul style="list-style-type: none"> <li>IEPD Development                                     <ul style="list-style-type: none"> <li>Process</li> <li>Artifacts</li> <li>Scenario Planning</li> <li>Analysis</li> <li>NIEM Oriented Tools</li> <li>Business Rules</li> </ul> </li> <li>(35 min) - <a href="#">Carlson</a></li> </ul> </li> <li>Q&amp;A                             <ul style="list-style-type: none"> <li>(10 min)</li> </ul> </li> </ul>	<b>Tool Demonstrations</b> <ul style="list-style-type: none"> <li>CMF (Brief &amp; Demo)                             <ul style="list-style-type: none"> <li>(35min) - <a href="#">Dr. Scott Renner</a></li> </ul> </li> <li>Q&amp;A                             <ul style="list-style-type: none"> <li>(10 min)</li> </ul> </li> </ul>
3:45 – 4:00	<b>Break</b>		
4:00 - 5:00	<b>AWARD CEREMONY &amp; Day 1 Summary &amp; Closing</b>		
5:00 - 7:00	<b>Reception</b>		



# REVEAL AGENDA (DAY 2, 19 FEB 2025)

Day 2 (19 February 2025)			
Time (US EST)	Track 1 Grand Ballroom (Executive Plenary)		
8:00 – 8:45	Registration		
8:45 - 9:00	Open Session - <b>Katherine Escobar</b> (NIEMOpen Project Governing Board Chair/ Joint Staff J6 Data and Standards)		
9:00 - 9:30	NIEMOpen Use Cases  <b>Moderator Kamran Atri</b>		
9:30 - 10:00	Where Industry Fits In - <b>Paul Wormeli</b>		
10:00 - 10:15	Break		
10:15 – 11:30	Voices from the Field  <b>Moderator Paul Wormeli</b>		
11:30 – 12:00	International Speaker		
12:00 - 1:00	Lunch		

# REVEAL AGENDA (DAY 2, 19 FEB 2025)

Time (US EST)	Track 1 Grand Ballroom (Executive Track)	Track 2 Breakout Room # 1 (Technical Primer): Holeman Lounge	Track 3 Breakout Room # 2 (Technical Expert)
1:00 - 2:00	<b>Executive Overview (cont.)</b> <ul style="list-style-type: none"> <li>• NIEM 6.0/6.1 Model <ul style="list-style-type: none"> <li>◦ (20 min) – <a href="#">Dr. Scott Renner</a></li> </ul> </li> <li>• Tooling Overview – <a href="#">Dr. Scott Renner</a> <ul style="list-style-type: none"> <li>◦ (20 min)</li> </ul> </li> <li>• OASIS Standards Track <ul style="list-style-type: none"> <li>◦ (20 min) - <a href="#">Chet Ensign (OASIS)</a></li> </ul> </li> </ul>	<b>Training Course Primer (cont.)</b> <ul style="list-style-type: none"> <li>• Training Module 3 <ul style="list-style-type: none"> <li>◦ (50 min) – <a href="#">Tom Carlson</a></li> <li>◦ Intro to Mapping</li> <li>◦ Mapping Spreadsheets</li> <li>◦ Documenting Business Objects</li> <li>◦ Basics of Searching NIEM</li> </ul> </li> <li>• Q&amp;A <ul style="list-style-type: none"> <li>◦ (10 min)</li> </ul> </li> </ul>	<b>Tool Demonstrations (cont.)</b> <ul style="list-style-type: none"> <li>• API 2.0 (Brief &amp; Demo) <ul style="list-style-type: none"> <li>◦ (30 min) – <a href="#">Christina Medlin</a></li> </ul> </li> <li>• Q&amp;A <ul style="list-style-type: none"> <li>◦ (10 min)</li> </ul> </li> <li>• MEP (Brief &amp; Demo) <ul style="list-style-type: none"> <li>◦ (20 min) – <a href="#">Aubrey Beach/ Shunda Louis</a></li> </ul> </li> </ul>
2:00 - 2:45	<b>EY Speaker (+Demo)</b>	<b>Training Course Primer (cont.)</b> <ul style="list-style-type: none"> <li>• Training Module 4 <ul style="list-style-type: none"> <li>◦ (35 min) – <a href="#">Tom Carlson</a></li> <li>◦ Mapping to Existing Objects</li> <li>◦ Native Properties</li> <li>◦ Substitution Groups</li> <li>◦ Namespaces</li> </ul> </li> </ul>	<b>Tool Demonstrations (cont.)</b> <ul style="list-style-type: none"> <li>• MEP (Brief &amp; Demo) (cont.) (10 min) – <a href="#">Aubrey Beach/ Shunda Louis</a></li> <li>• Q&amp;A <ul style="list-style-type: none"> <li>◦ (10 min)</li> </ul> </li> </ul>

# REVEAL AGENDA (DAY 2, 19 FEB 2025)

		<ul style="list-style-type: none"> <li>○ Inherited Properties</li> <li>• Q&amp;A <ul style="list-style-type: none"> <li>○ (10 min)</li> </ul> </li> </ul>	
2:45 - 3:00	Break		
3:00 - 3:45	PGB, Panel 45 min	<b>Training Course Primer (cont.)</b> <ul style="list-style-type: none"> <li>• Training Module 5 <ul style="list-style-type: none"> <li>○ (35 min) – Tom Carlson</li> <li>○ Schema Subsets</li> <li>○ Waitlists</li> <li>○ Extension and Exchange Schemas</li> </ul> </li> <li>• Q&amp;A <ul style="list-style-type: none"> <li>○ (10 min)</li> </ul> </li> </ul>	<b>Open Discussion – Technical</b> <ul style="list-style-type: none"> <li>• Panel: Dr. Scott Renner, Jim Cabral, Tom Carlson, Christina Medlin, Shunda Louis, Aubrey Beach <ul style="list-style-type: none"> <li>○ (45 min)</li> </ul> </li> </ul>
3:45 - 4:00	Day 2 Summary & Closing	Day 2 Summary & Closing	Day 2 Summary & Closing

# REVEAL AGENDA (DAY 3, 20 FEB 2025)

Day 3 (20 February 2024)			
Time (US EST)	Track 1 Grand Ballroom (Executive Plenary)		
8:00 - 9:00	<b>Tool Overview (Executive Demos)</b> <ul style="list-style-type: none"> <li>(60 min)</li> <li>CMF (20 min) - <a href="#">Dr. Scott Renner</a></li> <li>API 2.0 (NIEM Toolbox) – (20 min) <a href="#">Christina Medlin</a></li> <li>MEP (20 min) - <a href="#">Aubrey Beach/Shunda Louis</a></li> </ul>		
9:00 – 10:00	<b>Hack-a-Thon Results</b>  <b>Awardees</b>  (60) min – <a href="#">Ashwini Jarral</a>		
10:00 - 10:15	Break		
10:15 - 11:00	NSF- NIEMOpen in Knowledge Management Plans		
11:00-11:45	<b>The Future of NIEMOpen as an Open-Source Standard -</b> <a href="#">Katherine Escobar</a> (NIEMOpen Project Governing Board Chair, JS J6 Data and Standards Division)		
11:45 – 12:00	<b>Day 3 Summary &amp; Closing</b>		
12:01	Adjourn		

# MOTION TO APPROVE UPDATING NIEM MODEL VERSION 6.0 (PS01) TO PS02 TO REDRESS BUG FIXES

- **Chair**: A proposal to approve updating NIEM Model Version 6.0 (PS01) to PS02 will be proposed by the NTAC TSC. Included in the motion is direction to publish PS02 to the OASIS Library once approved by the PGB.
- **Maker**: (NTAC Co-Chair Jim Cabral) I Motion that the PGB approve updating the NIEM Model Version 6.0 (PS01) as contained in:
  - Markdown (Authoritative):  
<https://docs.oasis-open.org/niemopen/niem-model/v6.0/ps01/niem-model-v6.0-ps01.md>
  - HTML:  
<https://docs.oasis-open.org/niemopen/niem-model/v6.0/ps01/niem-model-v6.0-ps01.html>
  - PDF:  
<https://docs.oasis-open.org/niemopen/niem-model/v6.0/ps01/niem-model-v6.0-ps01.pdf>
  - Complete Package ZIP file at:  
<https://docs.oasis-open.org/niemopen/niem-model/v6.0/ps01/niem-model-v6.0-ps01.zip>as PS02, redressing minor bug fixes and administrative corrections as needed.
- Furthermore, direct the Chair to work with OASIS staff to publish the PS02 to the OASIS Library once approved by the PGB.

- ***SECOND?***
- **Chair**: (Debate) Do any of the members have comments on the proposal?
- **Chair**: Conducts a Simple Majority Vote
- **Chair**: Announces Vote

## Resolution



Approve



Approve w/Comment



Table/Reject

# BLUF

## PGB CALL TO ACTION

- There is a cost to produce model releases, maintenance & updates
  - Development Support
  - OASIS Workflow
    - Project Specification Draft
    - Project Specification
    - OASIS Standard
  - Harmonization
  - Model Release
- Sources of revenue include:
  - Crowdsourcing funding through sponsorship \$
  - Contributions to General Fund and/or supplemental contributions beyond sponsor dues
  - In kind labor: NMO, NBAC, & NTAC
  - Special Events: NIEMOpen Reveal surplus \$
  - Monetizing key activities: training, help desk, tech support

**3 FTE @ \$1M ROM**



It will take ~12 new premiere sponsors to annually generate \$1M after dues to the General Fund.

# 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.