NIEMOPEN

PGB Session

25 January 2023

Ms. Katherine Escobar
NIEMOpen Project Governance Board Chair

CALL TO ORDER

- Called to order the regular virtual meeting of the NIEMOpen Project Governing Board at 2 PM, 25 January 2023.

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VENUE

PGB Meeting

- 25 January 2023

- Virtual Meeting 2-4 PM EST

  – Virtual: MS TEAMS

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,,953484070#](#)   United States, Odenton
Phone Conference ID: 953 484 070# [Find a local number](#) | [Reset PIN](#)
[Learn More](#)

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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**
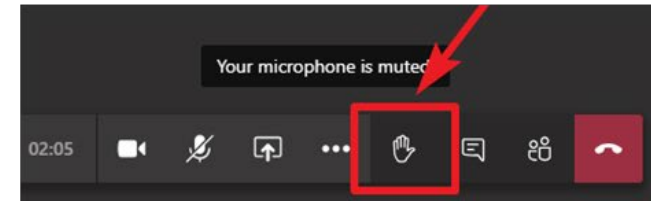 (the clicking noise can be heard by all)

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

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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:
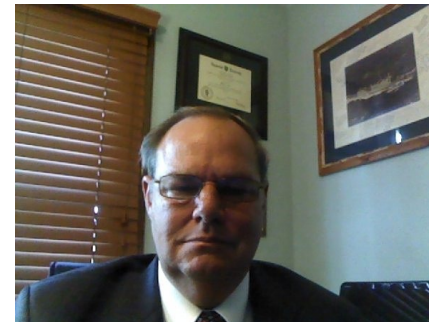
Meeting support, note takers:

Aubrey Beach
aubrey.l.beach.ctr@mail.mil

Stephen Sullivan
stephen.m.sullivan14.ctr@mail.mil

ROLL CALL

- Sponsor 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)
  - sFractal Consulting
  - Integrated Justice Information Systems Institute (IJIS)

- TSC Expert Voting Members
  - NBAC TSC
  - NTAC TSC
  - NMO TSC

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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

Mr. Duncan Sparrell
CSO sFractal Consulting

Ms. Maria Cardiellos
Executive Director Integrated Justice Information Systems Institute

PGB EXPERT VOTING MEMBERS
Technical Steering Committees

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

The NBAC TSC PGB
Expert Voting Member role
is proposed to alternate
between Co-Chairs on a
semi-annual basis.
(Kamran Atri: 1 Jan 2023 -
31 June 2023, Thomas
Krul: 1 Jul 2023 – 31 Dec
2023).

Jim Cabral
Vice President, Court
Relations, InfoTrack

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

PROPOSED AGENDA

- Call to Order
  - TEAMS Link
  - Meeting Etiquette
  - Note Takers
  - Roll Call & Introductions
    - Voting Members (Sponsors)
    - PGB Expert Voting Members (TSCs)
- Approval of Agenda
- Around-the-Horn – PGB Voting Members
- Approval of Meeting Minutes from 20 October 2022
- Sponsor Update
- OASIS Staff / NIEMOpen Administrator Comments

- NIEMOpen Transition Progress Update
- NIEMOpen.org Webpage Demo
  - Demo: Aubrey Beach (BAH)
- New Business- PGB Business for Consideration & Vote
  - Charter Amendment
  - Adoption of Standing Rules
  - Initial Project Artifacts
  - Domains
- Open Discussion
- Resources
- Next Meeting
- Other Business
- Questions
- Adjourn

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APPROVAL OF AGENDA

- **<u>Chair:</u>** A Draft Agenda for the NIEMOpen 25 January 2023 Project Governing Board (PGB) Meeting was provided to PGB Voting Members as a readahead with updates provided to the PGB group Files Folder: niemopen-pgb@lists.oasis-open-projects.org | Files
- **<u>Chair:</u>** Are there any recommended changes to the agenda as distributed?
- **<u>Chair</u>**: If there are no (further) changes, the agenda stands approved as distributed (corrected).

✓ **?**   ☐ Approve
         ☐ Approve as Corrected

NIEMOPEN

PGB MEMBERS: AROUND-THE-HORN

APPROVAL OF 20 OCT 2022 PGB MINUTES

- **<u>Chair:</u>** A Draft of the NIEMOpen 20 October PGB Executive Session Meeting Minutes *(DRAFT-NIEMOpen PGB Exec Session Minutes 20 OCT 22 v5 1-13-23.docx)* was provided to PGB Voting Members as a readahead with updates provided to the PGB group Files Folder: [niemopen-pgb@lists.oasis-open-projects.org | Files](#) . Knowing you all to be judicious minute-readers, please let me know now if you found any errors.
- **<u>Chair:</u>** Are there any corrections to the minutes as distributed?
- **<u>Chair</u>**: If there are no (further) corrections, the minutes stand approved as distributed (corrected).

✓ ? ☐ Approve
☐ Approve as Corrected

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NIEM OPEN SPONSORSHIP

- Sponsors
  - JS J6
  - DHS S&T
  - Equivant
  - GTRI
  - sFractal
  - NAJIS
  - IJIS

- In Discussions
  - DHS OBIM
  - NIST
  - FBI
  - MITRE
  - DOT

- Expressed Interest
  - Government of Canada
  - Microsoft
  - Veterans Administration
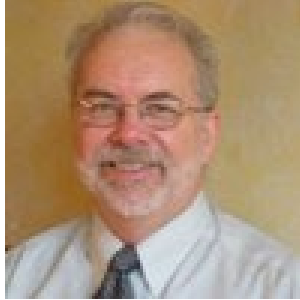 - Tyler technologies
  - Errnst & Young

Ms. Carol Geyer
  – OASIS Open Chief Development Officer

OASIS STAFF /NIEMOPEN ADMINISTRATOR COMMENTS

• **Mr. Chet Ensign** – Chief Technical Community Steward at OASIS

• **Ms. Carol Geyer** – OASIS Open Chief Development Officer

TOPICS:
- Recruiting, NIEM OPEN Sponsors
- PGB Training (under development)
- PGB Roles & Responsibilities
  - CLAs
  - Voting
  - Processes
    - Releases
    - Specifications
    - Standard

NIEM OPEN TRANSITION PROGRESS

Complete

- ✓ Draft POA&M
- ✓ Draft and publish NIEM Open Charter
- ✓ J6 Sponsorship
- ✓ Transfer NIEM community Rosters/email distros
- ✓ Conduct First Sponsor Kickoff Mtg
- ✓ OASIS Admin Privileges
  - – Web Presence (NIEMOpen.org)
  - – Jira/Confluence
- ✓ Revising NBAC & NTAC Governance Docs Agreements
- ✓ TRANSITION ESC TO PGB ADVISORY BODY 20 OCT 22
- ✓ KICKOFF PGB 20 OCT 22
- ✓ Build Out NIEMOpen.org
- ✓ Update NIEM Branding
- ✓ Establish OASIS Jira & Confluence Site

Planned/ In Progress

- ■ Weekly Synch w/ OASIS Staff
- ■ Assessing NIEM Model & NIEM GTRI GitHub Capital/Equities & Planning Transfer to OASIS
- ■ Researching OASIS Release Process and Planning 1st Release Under OASIS
- ■ Prepare the NIEM Conformance Targets Attribute Specification (CTAS) 3.0 for approval as a Project Specification (PS)
- ■ Transition Domains as Subcommittees under NBAC TSC
- ■ Plan / Develop 6.0 Release under OASIS Rules

To Be Accomplished 2023!

- • Physically Transfer NIEM Capital/Equities (Model, Specifications, Documentation) to OASIS
- • Implement "New" development and release processes (lead developer actions)

  Submit NIEM Project Specifications for Approval as OASIS Standard
  - – NIEM Model
  - – NIEM Technical Framework

Recurring/On-Going

- ➢ Identify Potential Sponsors/Conduct Outreach
- ➢ Populate OASIS Jira & Confluence Site
- ➢ Conduct Weekly Synch w/ OASIS Staff
- ➢ Obtain Contributor License Agreements

NIEMOPEN

NIEMOPEN.ORG

- Highlights/ Demo
- Aubrey Beach Administrator

[Home - NIEM Open (wpengine.com)](http://wpengine.com)

NEW BUSINESS - PGB TOPICS FOR CONSIDERATION & VOTE

– Charter Amendment

– Adoption of Standing Rules

– Initial Project Artifacts

– Domains

NIEMOPEN

PROPOSED CHARTER AMENDMENT

- **Chair:** A Draft of the proposed Amendment to the NIEMOpen Charter was provided to PGB Voting Members as a readahead

- **Maker**: (NMO TSC-Beth Smalley) Motion that the following amendment be made to the NIEM Charter:

  1. Upon review of the NIEMOpen Charter in preparation for the PGB 20 October 2022 Kickoff, it was discovered that the original charter included ConTesA, SSGT, and the Migration tools to be transferred to OASIS.

     1.1 The intent is to transfer to OASIS the functionality embodied in these tools, but not the current source code associated with these exigent tools.
  2. Recommend amending the charter language to more accurately reflect the transfers to OASIS; and include transfer of the MEP Builder tool.

SECOND

- **Chair**: (Restate the motion)

- **Chair**: (Debate) Do any of the members have comments on the proposed Charter Amendment?

- **Chair:** Are you ready for the question?

- **Chair:** Are there any objections to approving the proposed Charter Amendment *(or as corrected)*

- **Chair**: Without objection, approved

Charter link: https://github.com/niemopen/oasis-open-project/blob/main/CHARTER.md

Original Text

- NIEM Owned Tools
  - Information Exchange Lifecycle Tools
  - ConTesA
  - SSGT
  - Migration Tool
  - NIEM API

Change

Recommended Change

- NIEM User Tools
  - Information Exchange Lifecycle Tools
  - ConTesA functionality
  - SSGT functionality
  - Migration Tool functionality
  - NIEM API
  - MEP Builder Tool

Resolution

[X] Approve

[ ] Approve w/Comment

[ ] Table/Reject

NIEMOPEN

STANDING RULES PROPOSALS

The NTAC, NBAC & NMO TSC's recommend the PGB adopt the following standing rules:

1. NIEMOpen PGB Expert Voting Members from TSCs may be appointed by the TSCs on a rotating basis.
2. TSC chairs are invited to attend PGB meetings in expert voting member or non-voting member status as appropriate.
3. The PGB delegate TSCs the authority to manage and administer TSC memberships in accordance with Open Project Rules with notification to the PGB.
4. The PGB delegate to each TSC the authority to request the creation of new repos, and the responsibility that each repo have one or more maintainers.

NIEMOPEN

STANDING RULES VOTE

- **Maker:** (NBAC TSC-Kamran Atri) Motion to consider adoption of the following Standing Rules:

  1. NIEMOpen PGB Expert Voting Members from TSCs may be appointed by the TSCs on a rotating basis.

SECOND?

- **Chair**: (Restate the motion)

- **Chair:** (Debate) Do any of the members have comments on the proposed standing rule?

- **Chair:** Are you ready for the question?

- **Chair:** Are there any objections to approving the proposed motion

- **Chair**: Without objection, approved

Resolution	
X	Approve
☐	Approve w/Comment
☐	Table/Reject

NIEMOPEN

STANDING RULES VOTE

- **Maker:** (NBAC TSC-Kamran Atri) Motion to consider adoption of the following Standing Rule:

  2. TSC chairs are invited to attend PGB meetings in expert voting member or non-voting member status as appropriate.

SECOND?

- **Chair**: (Restate the motion)
- **Chair:** (Debate) Do any of the members have comments on the proposed standing rule?
- **Chair:** Are you ready for the question?
- **Chair:** Are there any objections to approving the proposed motion
- **Chair**: Without objection, approved

Resolution	
X	Approve
☐	Approve w/Comment
☐	Table/Reject

NIEMOPEN

STANDING RULES VOTE

- **Maker:** (NTAC TSC-Jim Cabral) Motion to consider adoption of the following Standing Rules:

  3. The PGB delegate TSCs the authority to manage and administer TSC memberships in accordance with Open Project Rules with notification to the PGB.

SECOND?

- **Chair**: (Restate the motion)
- **Chair:** (Debate) Do any of the members have comments on the proposed standing rule?
- **Chair:** Are you ready for the question?
- **Chair:** Are there any objections to approving the proposed motion
- **Chair**: Without objection, approved

Resolution

X Approve

☐ Approve w/Comment

☐ Table/Reject

The Motion was amended by the Maker, Jim Cabral, to read: The PGB delegate TSCs the authority to approve TSC memberships in accordance with Open Project Rules with notification to the PGB. **Approved by Unanimous Consent**

STANDING RULES VOTE

- **Maker:** (NTAC TSC-Jim Cabral) Motion to consider adoption of the following Standing Rules:

    4. The PGB delegate to each TSC the authority to request the creation of new repos, and the responsibility that each repo have one or more maintainers.

  SECOND?

- **Chair**: (Restate the motion)
- **Chair:** (Debate) Do any of the members have comments on the proposed standing rule?
- **Chair:** Are you ready for the question?
- **Chair:** Are there any objections to approving the proposed motion
- **Chair**: Without objection, approved

Resolution	
X	Approve
☐	Approve w/Comment
☐	Table/Reject

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INITIAL PROJECT ARTIFACTS PROPOSAL

The NTAC, NBAC & NMO TSC's recommend the following approach for initial Project artifacts:

1. NTAC will prepare the NIEM Conformance Targets Attribute Specification (CTAS) 3.0 for approval as a Project Specification (PS)

2. The TSC's recognize that NIEM Version 5.2 was published under the existing niem.gov process. The TSC's intend to accept the NIEM Version 5.2 artifacts as contributions to the NIEM Open Project

3. The TSC's will develop and issue NIEM 6.0 Release under the new NIEM Open Project Rules.

4. Propose PGB approve the Conformance Targets Attributes Specification (CTAS) as a Project Specification Draft (PSD) of the NIEM Open Project.

NIEMOPEN

INITIAL PROJECT ARTIFACTS VOTE

- **Maker:** (NTAC TSC-Jim Cabral) Motion to concur with TSC's approach for handling initial Project artifacts:

  1. NTAC will prepare the NIEM Conformance Targets Attribute Specification (CTAS) 3.0 for approval as a Project Specification (PS)

  2. The TSC's recognize that NIEM Version 5.2 was published under the existing niem.gov process. The TSC's intend to accept the NIEM Version 5.2 artifacts as contributions to the NIEM Open Project

  3. The TSC's will develop and issue NIEM 6.0 Release under the new NIEM Open Project.

SECOND?

- **Chair**: (Restate the motion)
- **Chair:** (Debate) Do any of the members have comments on the proposed artifacts vote?
- **Chair:** Are you ready for the question?
- **Chair:** Are there any objections to approving the proposed motion
- **Chair**: Without objection, approved

Resolution
- [X] Approve
- [ ] Approve w/Comment
- [ ] Table/Reject

NIEMOPEN

STANDARDS TRACK ARTIFACT VOTE

- **Maker:** (NTAC TSC –Jim Cabral)) Motion to approve:

  4. Propose PGB approve the Conformance Targets Attributes Specification (CTAS) as a Project Specification Draft (PSD) of the NIEM Open Project.

  SECOND?

- **Chair**: (Restate the motion)
- **Chair:** (Debate) Do any of the members have comments on the proposed artifact vote?
- **Chair:** Are you ready for the question?
- **Chair:** Are there any objections to approving the proposed motion
- **Chair**: Without objection, approved

Resolution
- [X] Approve
- [ ] Approve w/Comment
- [ ] Table/Reject

Link to OASIS formatted specification: https://github.com/niemopen/niem-conformance-targets/blob/main/NIEM-CTAS-3.0-2023-01-17.pdf

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DOMAINS PROPOSAL

- THE NBAC TSC-Kamran Atri, proposes to Begin Transitioning Domains to NIEM Open Project:
  1. The NBAC TSC proposes the PGB concur with establishing former NIEM Domains as subcommittees under the NBAC TSC
- The NBAC and NMO TSC's will assist Domains with transition:
  1. Establishing Charters/Governance Documents reflecting Open Project Rules
  2. Executing Individual contributor license agreements (i-clas) and entity contributor license agreements (e-clas)
  3. Verifying Domain membership and Stewards/Domain Leadership Positions
  4. Identifying Domain NBAC TSC Voting Members
  5. Establishing the subcommittees in accordance with Open Project and NBAC TSC rules
- The NBAC TSC is establishing a Tiger Team to assist with this transition process
- TSC's will keep PGB informed of transition progress.

NIEM Domains: Commnities | NIEM | National Information Exchange Model

DOMAINS

- **Maker:** (NBAC TSC-Kamran Atri) Motion to concur with the following proposal:
    1. The NBAC TSC proposes the PGB concur with establishing the former NIEM Domains as subcommittees under the NBAC TSC

SECOND?

- **Chair**: (Restate the motion)
- **Chair:** (Debate) Do any of the members have comments on the proposed motion to concur?
- **Chair:** Are you ready for the question?
- **Chair:** Are there any objections to approving the proposed motion
- **Chair**: Without objection, approved

Resolution	
[X]	Approve
[ ]	Approve w/Comment
[ ]	Table/Reject

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DISCUSSION

- **<u>Chair:</u>** Should the PGB consider appointing a Co-Chair? I open the floor to discussion.
  - Initial thoughts, pros/cons, ……..
  - Deliberate, nominate, and vote at our next meeting on 11 April 2023
    - ❑ Nominate candidates using PGB mailing list <mark>(suspense date 15 March 2023)</mark>
    - ❑ Include **NIEM OPEN PGB Co-Chair Candidate** as the subject line of the post
    - ❑ Not on the PGB mailing list? Subscribe at: https://lists.oasis-open-projects.org/g/niemopen-pgb

- **<u>Chair:</u>** Are there additional Standing Rules or proposals from the floor (PGB Voting Members)?

- **<u>Chair:</u>** Our next scheduled PGB is Tuesday,11 April 2023, 2-4 PM EST.

- **<u>Chair:</u>** Please submit agenda items for our April Meeting using the PGB Mailing List. <mark>(suspense date 15 March 2023)</mark>
  - Include *April PGB Agenda Topics* as the subject line of the post
  - Not on the PGB mailing list? Subscribe at: https://lists.oasis-open-projects.org/g/niemopen-pgb

- **<u>Chair:</u>** **(**NIEMOPEN vs. NIEMOpen) vs. (NIEM OPEN, vs. NIEM Open)

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RESOURCES

- OASIS Open - OASIS Open (oasis-open.org)
- NIEMOpen.org: http://NiemOpen.org
- Git Repos
  - NIEMOpen: https://github.com/niemopen/
  - NTAC TSC
    - https://github.com/niemopen/ntac-admin
    - https://github.com/niemopen/niem-naming-design-rules
    - https://github.com/niemopen/niem-conformance-targets
    - https://github.com/niemopen/niem-models
  - NBAC TSC
    - https://github.com/niemopen/nbac-admin
    - https://github.com/niemopen/niem-models
  - NMO TSC
    - https://github.com/niemopen/niem-management-office
    - 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

POC/Administrator: Aubrey Beach| beach_aubrey@bah.com

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PGB MEETING SCHEDULE

NEXT PGB Meeting

- Tuesday, 11 April 2023

- Virtual Meeting 2 – 4 PM EST

  – Virtual: MS TEAMS

Q3 & 4 2023 Meetings

- Tuesday, 11 July 2023

- Tuesday, 12 Dec 2023

Potential Agenda Topics

- 6.0 Release, approval process considerations
- OASIS Specifications /Standards
  – NIEM Products as possible candidates for submission (discussion)

- PGB Co-Chair Vote
- NIEM OPEN Discretionary Funding
- Sponsor Recruitment
- Communications & Outreach

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ADJOURN

- **Chair:** Is there any other business?

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

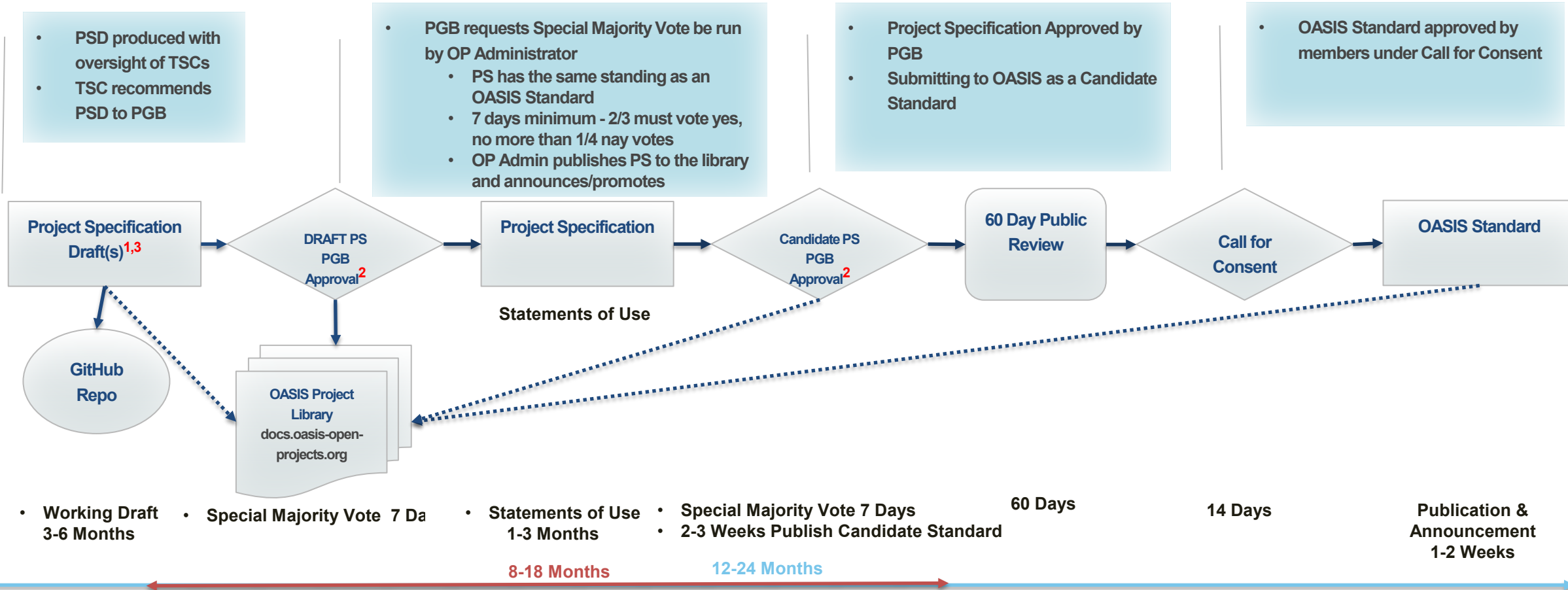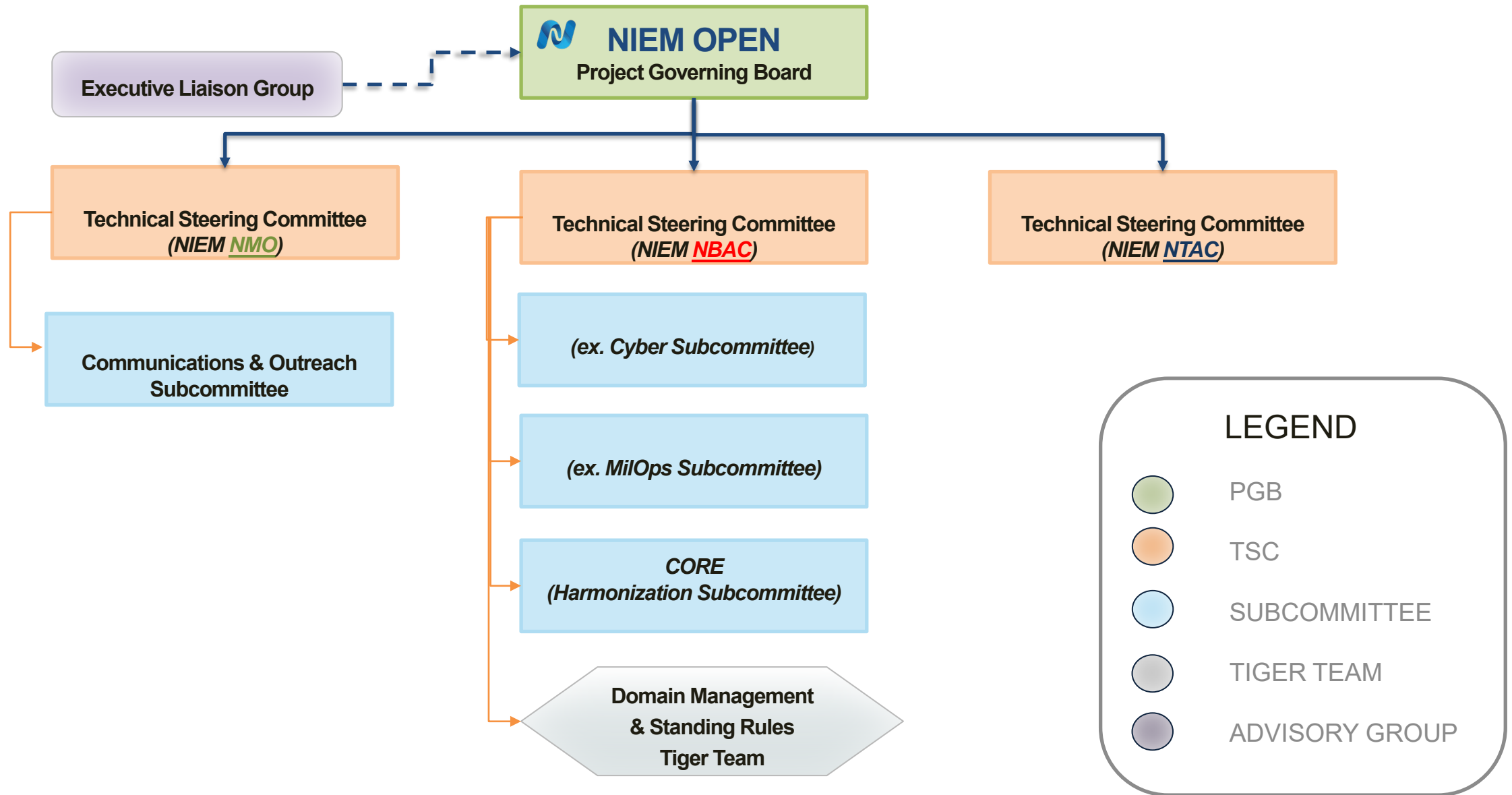- **Chair:** Meeting Adjourned

BACKUPS

SPECIFICATION WORKFLOW AND TIMELINE

- Request a spec template from OP Admin
- Decide on editor(s)
  - Editor's job is to capture the intentions of the project team/TSC
  - Editor's Manual starting at
    https://docs.google.com/document/d/1ITartcAzlqidzrCxuXFFiwdRDKRipqMnNsMS24SZdjg/edit
- Create Project Specification Draft (PSD)

- PGB can decide to advance PS to OASIS for consideration as an OASIS Standard
  - Requires 3 Statements of Use and a Special Majority Vote run by OP Admin
  - 60-day public comment period
  - The Project Specification (PS) is put to OASIS Members in a 14-day Call for Consent. If no objections, work becomes an OASIS Standard, eligible for submission to other SDOs

- PSD produced with oversight of TSCs
- TSC recommends PSD to PGB

- PGB requests Special Majority Vote be run by OP Administrator
  - PS has the same standing as an OASIS Standard
  - 7 days minimum - 2/3 must vote yes, no more than 1/4 nay votes
  - OP Admin publishes PS to the library and announces/promotes

- Project Specification Approved by PGB
- Submitting to OASIS as a Candidate Standard

- OASIS Standard approved by members under Call for Consent

Project Specification Draft(s)[1,3] → DRAFT PS PGB Approval[2] → Project Specification → Candidate PS PGB Approval[2] → 60 Day Public Review → Call for Consent → OASIS Standard

GitHub Repo

OASIS Project Library docs.oasis-open-projects.org

Statements of Use

- **Working Draft 3-6 Months**
- **Special Majority Vote 7 Da[ys]**
- **Statements of Use 1-3 Months**
- **Special Majority Vote 7 Days**
- **2-3 Weeks Publish Candidate Standard**
- **60 Days**
- **14 Days**
- **Publication & Announcement 1-2 Weeks**

8-18 Months   **12-24 Months**

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NIEM OPEN PROJECT GOVERNANCE

NIEM OPEN
Project Governing Board

Executive Liaison Group

Technical Steering Committee
(NIEM NMO)

Technical Steering Committee
(NIEM NBAC)

Technical Steering Committee
(NIEM NTAC)

Communications & Outreach
Subcommittee

(ex. Cyber Subcommittee)

(ex. MilOps Subcommittee)

CORE
(Harmonization Subcommittee)

Domain Management
& Standing Rules
Tiger Team

LEGEND

PGB

TSC

SUBCOMMITTEE

TIGER TEAM

ADVISORY GROUP

NIEMOPEN

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NBAC, NTAC, & NMO TSC CO-CHAIRS

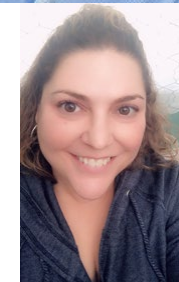| TSC	Approved (TSC CHAIRS)
NBAC TSC	Mr. Kamran Atri & Mr. Thomas Krul
NTAC TSC	Dr. Scott Renner & Mr. Jim Cabral
NMO TSC	Ms. Katherine Escobar & Ms. Beth Smalley

NBAC TSC

NTAC TSC

NMO TSC

NIEM OPEN MAINTAINERS

GitHub Repos	Primary	Alternates
NIEM Open	Ms. Christina Medlin & Mr. Aubrey Beach	Mr. Tom Carlson, Ms. Shunda Louis
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, Mr. Mike Douklias
NMO TSC	Mr. Aubrey Beach	Ms. Shunda Louis, Mr. Steve Sullivan, Mr. Mike Douklias

Ms. Christina Medlin

Mr. Aubrey Beach

Mr. Tom Carlson

PHYSICALLY TRANSFER NIEM CAPITAL/ EQUITIES TO OASIS (LEAD DEVELOPER)

- **NIEM API 2.0** - Provides lead developer resources currently used to manage the NIEM model as open-source code
  - NIEM database
  - NIEM model management functions (add, update, delete content)
  - NIEM model QA Change request spreadsheet
  - QA Change request spreadsheet importer
  - NIEM XML schema importer
  - NIEM XML schema generator
  - NIEM XML schema conformance validator
  - Documentation spreadsheet generator
  - Change log generator
  - Release builder
  - Release statistics generator
  - Migration rule builder
  - SSGT
  - Migration Tool
- **User Tools -** Open-source front-end tools for the NIEM community.
  - SSGT 2.0 functionality
  - Migration Tool functionality
- **Processes**
  - Harmonization
  - Change request
  - QA Build a release (major, minor, supplement/update)
  - Deploy NIEM tools
  - Build a NIEM specification

- **Subdomain Management** - Transfer files and management of the following niem.gov subdomains. Management functions include hosting management, updating certificates, managing redirects, and other system admin functions.
  - **release.niem.gov** - Contains release artifacts that are also available on the GitHub NIEM-Releases repo, but schema URIs resolve here (via redirects)
  - **reference.niem.gov**
    - **guidance** - Old information, archive candidates
    - **resource** - Old information. archive candidates
    - **specification** - Contains NIEM specifications, conformance target identifiers and other links resolve here
  - **publication.niem.gov** - Contains domain updates and Core supplements
  - **tools.niem.gov** - Currently hosts SSGT and ConTesA
  - **beta.movement.niem.gov** - The source code for Movement is already open source and available on GitHub
- **Mailing Lists**
- **Miscellaneous**
  - NIEM OASIS specification generator
  - NIEM GitHub Sites
  - GENC codes parser - Schematron to extract GENC codes to update NIEM releases
  - NIEM GML profile generator - XSLT to subset the full GML external standard for the NIEM release
  - NCCT issue export - Export issues from the old Bugzilla issue tracker (NIEM Configuration Control Tool) used prior to the GitHub issue trackers

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PHYSICALLY TRANSFER NIEM CAPITAL/ EQUITIES TO OASIS (NMO)

- Specifications for all NIEM releases
  - Naming and Design Rules (NDR)
  - JavaScript Object Notation (JSON)
  - Code Lists Specifications
  - Conformance Targets Attribute Specification v3.0
  - Information Exchange Package Documentation (IEPD) Specification
  - Conformance Specification
- Metamodel
- Model
- Source Code
- NIEM Version 5.2
- NIEM OPEN Release 6.0
- User Tools
  - The Common Model Format (CMF)
  - MEP Builder Tool
- R2 Open
- Training (Active and Archive Material)
- Documentation Archive Files

NIEM VERSION 5.2 (2022)

> - Minor releases include updates to domains and code sets
> - Check release status at https://niem.github.io/niem-releases/

Phase	NIEM
🟢 Alpha 1	AUG 2022
🟢 Beta 1	OCT 2022
🟢 RC 1	NOV 2022
🟢 Release	Dec 2022

- **Biometrics** – Additional DNA encoding content

- **Cyber** – New Cyber Physical System (CPS) and ransomware content

- **Learning and Development** *(new)* – New content for courses, course sections, students, and employment positions

- **Justice**
  - Updated National Crime Information Center (NCIC) code sets
  - Updated Model Minimum Uniform Crash Criteria (MMUCC) code sets

- **Military Operations**
  - New Minimum Essential Metadata (MEM) content – resource descriptions, safeguarding and sharing information
  - New USMTF (US Message Text Format) content – military operations, missions, resources, readiness, and training

- **General code set updates**

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NIEM OPEN 6.0 RELEASE (2023)

> • Includes updates to Core, domains, and code sets, and the architecture

Content Updates

- **International Human Services** *(new)*
- **Military Operations** – Add additional USMTF content
- Additional content changes for domains
- The Harmonization Subcommittee will review and harmonize content across Core and the domains
- Merge complex and simple code types
- Simplify how metadata is defined and used
- Standardize representation of adapters
- Potentially simplify the representation of roles[21] in the model

Specification updates

- Naming and Design Rules (NDR)
- Message Specification Guidelines
- Update others to meet OASIS requirements

Tool updates

- **SSGT** – New content and 6.0 architecture changes
- **Migration Tool** – New migration from 5.2 to 6.0 subsets
- **Conformance Tool** – Validate schema conformance against updated NDR rules
- **NIEM API** – Support new content, architecture, backend model and release management capabilities

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