NIEMOPEN

NBAC TSC Slides
27 February 2025 Meeting

27 FEBRUARY 2025 NBAC TSC AGENDA

- **27 February 2025 NBAC TSC Agenda**
- **1:00 NBAC Chair (s) Opening Remarks – Mr. Kamran Atri, Thomas Krul & Paul Wormeli**

  – Webinar 22 May – Paul Wormeli

  – NDR 6.0 PSD01 - approved

  – Model Version 6.0 PS02 requires additional updates

  – PGB Vote on Hackathon under review

  – Domain/Sub-Committee Outreach - Chairs

  – NBAC Issues Kanban Board -Steve Sullivan
  – https://github.com/orgs/niemopen/projects/7/views/2

- **1:10 NIEM Management Office (NMO) Update – Mr. Steve Sullivan**
  – Hackathon details – Steve Sullivan

  – Reveal Summit – October 2025 Planning

      – AM 8 October

  – PGB Meeting Synopsis

  – OS Use Statements of Use

- **1:20 NTAC Update –** Ms. Christina Medlin

  – API 2.0

- **1:30 Communications & Outreach NMO Sub-Committee update –** Paul Wormeli

- **1:35 Community Updates - all**

- **1:40 Questions/Final Remarks**

Slides available at 30 January Minutes folder, NBAC Admin Repo
https://github.com/niemopen/nbac-admin/tree/main/nbac-meeting-minutes

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WEBINAR (DRAFT)

- Date/Time: 22 May 1-3 PM EDT
- Host: IJIS
- Venue: TBD
- Draft Agenda:
  - 1:00 Welcome and relevance-Maria
  - 1:05 Introduction to the new NIEM--Katherine
  - 1:15 New NIEMOpen Version 6.0 (10 min) - Christina
  - 1:25 CMF/CMF Tool (15 min, includes demo) – Scott Renner
  - 1:40 API 2.0 – Christina
  - 1:50 NDR 6.0 and toolkit+ future updates - Renner
  - 2:00 The future of NIEMOpen with OASIS – Jim Cabral
  - 2:10 NIEM on the ground – Brian Griffith, FBI CJIS
  - 2:20 New dimensions for NIEMOpen in ontologies – Sonoma County
  - 2:30 The future plans and resources - Katherine
  - 2:35 Q&A (panel with Katherine, Maria, NBAC and NTAC chairs)
  - 3:-00 Close

ANNOUNCEMENTS

- NIEMOpen NDR v6.0 PSD01 Approved
  - Submitted for Publication to OASIS Library
  - https://github.com/niemopen/niem-naming-design-rules

- NIEM Model Version v6.0 PS02 requires updates before next vote: https://github.com/niemopen/niem-model/tree/2afcd93dc4061e825df8c2b3bf44557bbd4cb976

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NIEM MANAGEMENT OFFICE

- Hackathon details – Steve Sullivan

- Reveal Summit – 8 October 2025, Planning Started, National Press Club, Washington, DC

- PGB Meeting Synopsis

- OASIS Standard – Model Version 6.0

NIEMOPEN

Model

- **Initial Sponsor:**
  OASIS **NIEM**OPEN Project
- **Additional Sponsors**: Government & Industry organizations
- **Operator**: GenHax

Strategic Goals over the next 3 years:

1. **Engage** with businesses to accelerate cross-domain interoperability at the data level

2. **Promote** standard awareness, adoption and implementation

3. **Fund** the standard through increased sponsorship from Additional Sponsors

4. **Advance** use of NIEM for AI through Knowledge Graphs (providing contexts and semantics for training AI models)

RECOMMENDATION

Year 1- 1 hack - ***$50K fixed seed + $50K variable from Additional Sponsors + Funding goal for NIEMOPEN***

- App Creation
- Marketing, Branding, Community Engagement
- Acquiring Sponsors for **NIEM**OPEN: $50K to break even on the cost of the hack ([Plan](#)).
  - Stretch goal: Additional **NIEM**OPEN Sponsorship $50K.
- Hosting Hackathon events (pre-, during and post-event)
- Post event activities (employee "Journeys", report metrics, sponsors, social media)

Year 2 & 3 - 2 hacks - ***$50K fixed + $50K variable from Additional Sponsors + Funding goal for NIEMOPEN: $200K***

- Same as Year 1 + additional revenue from employee "Journeys"

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OPENHAX ELEMENTS

Overview of the operational elements we'll set up for **OPEN**Hax

- **Hackathon Format:**
  - **Hybrid**: Depending on partners who might want to make it partly local + facilities that NSF might bring.
  - **Duration**: Workshop(s) a few hours. Hackathon: either a full week, or 2 days a week for 3 weeks.
  - **Onboarding**: Stakeholders will register and be activated on the app (i.e. app.openhax.org)
  - **Domain groups**: NIEMOPEN Domain Groups: will be set up and leveraged on the app.
  - **Journeys**: Engagement activities for stakeholders after the hackathons to drive impact for 3 months
  - **Application**: hackathon stakeholders will join the OPENHAX app and have related paid or free seats and features enabled for them

- **Hackathon Stakeholders:**
  - **Organizer**: NIEMOPEN
  - **Operator**: GenHax
  - **Initial Sponsors**: DoD, OASIS (TBD)
  - **Sponsors**: Companies supporting OPENHax financially
  - **Donators**: Companies driven to donating to NIEMOPEN through the hackathon
  - **Partners**: Organizations supporting NIEMOPEN or/and OPENHax in-kind (communication, resources)
  - **Participants**: App users taking part in hackathon teams for days of work, in view of producing solutions
  - **Mentors**: App users registering to mentor others, for a few hours only, not part of teams
  - **Speakers**: Reputed individuals invited to speak during the hackathons
  - **Leaders**: Reputed individuals invited to participate in Ideathon Leader Workshops before the hackathons

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OPENHAX 2025 TIMELINE
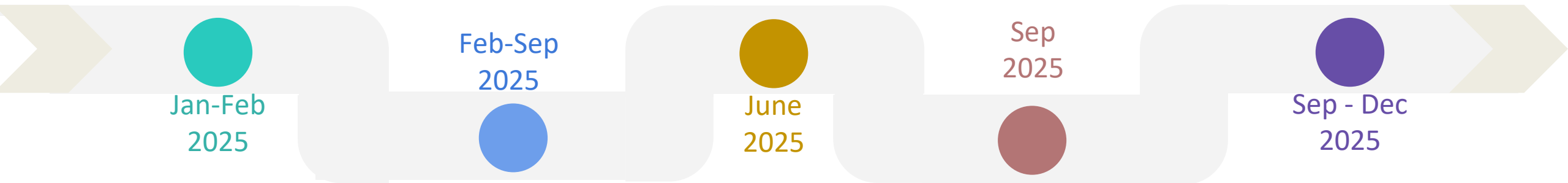
Planning & Preparation
- Define Objective
- Target Audience
- Theme/Focus

Ideathon
- 2 hour leadership workshop
- Bring together leading sponsors, researchers, influencers.

Post-OPENHax
- Judging, winners, prizes
- Post-Event social media impact promotion. Next hack's ideathon.
- Sponsor follow-up, Reporting

Jan-Feb 2025

Feb-Sep 2025

June 2025

Sep 2025

Sep - Dec 2025

Development & Marketing
- **Build** your Application, Website, Branding material, Event Calendar
- **Talent acquisition:** Participants and Mentors: Direct Campaigns, Social Media, Colleges & Universities, Developer Platforms, Direct Recruitment, Partners
- **Sponsor** engagement- existing and new

OPENHax
- **Kickstart** and operate for 2 weeks
- **Onboard** & Build teams
- **Manage** community & run events
- **Organize** Mentor sessions
- **Aggregate** resources
- **Gamify** with milestones & badges
- **Activate** & drive success with activities
- **Pitch** solutions/challenge
- **Launch Campaigns** for next Quarter's hack

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PGB SYNOPSIS

Motions	Description	Vote	Notes
1/6/25 - PGB Notified of Upcoming Motion to Approve NDR by Simple Majority Vote & Publish to OASIS Library	(Chair) Notification of vote on the motion to approve NIEM Naming and Design Rules (NDR) Version 6.0 PSD01 and submit for publication	N/A	https://github.com/niemopen/niem-naming-design-rules Vote scheduled 20-25 Jan 2025
1/25/25 - NIEM Naming and Design Rules (NDR) Version 6.0 PSD01 Vote	(Chair) Motion to approve NIEM NDR Version 6.0 PSD01 and submit for publication by simple majority via email.	Approved, 9 votes to approve. 4 abstentions.	Vote Conducted 20-25 Jan 2025 1/28/25 - Submitting request to publish.
1/28/25 – PGB Notification of Special Majority Vote & Request Ballot for Model Update & Publish to OASIS Library	(Chair) PGB Notification of vote on the motion to approve NIEM Model Version 6.0 PS02 and submit for publication	N/A	https://github.com/niemopen/niem-model/tree/2afcd93dc4061e825df8c2b3bf44557bbd4cb976 Vote/ballot scheduled for 11-18 Feb 2025
30 January 2025 Agenda	(Chair) Motion to approve 30 January 2025 Agenda.	Approved	
14 November 2024 DRAFT Minutes	(Chair) Motion to approve 14 November 2024 PGB meeting minutes.	Approved	

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PGB SYNOPSIS

Motions	Description	Vote	Notes
Q2 & Q4 PGB Meeting Dates	(Darcy Staley) Motion approve changing CY 2025 Q 2 & Q4 PGB Meeting Dates from 24 April 2025 to 29 May 2025 and from 28 October 2025 to 13 November 2025	Approved	
CY 2025 Meeting Dates Revised			
Q2	MAY 29	2 – 4 PM	EDT
Q3	JUL 31	2 – 4 PM	EDT
Q4	NOV 13	2 – 4 PM	EDT
NDR Version 6.0 PS Model Version 6.0 OS	(Darcy Staley) Motion to proceed: Advance NDR v6.0 PSD01 to PS, & Upon approval of NIEM Model v6.0 PS02 proceed to advance to OS	Approved	
Motion to consider funding Genhax hackathon	Genhax brief , timeline, and proposal	Approved of concept pending contract details	Year 1- 1 hack $50K fixed seed + $50K variable from Additional Sponsors + Funding Goal for NIEMOpen

NIEM MODEL 6.0 OASIS STANDARD (OS)

- PS02 – revisions needed

- OS Process - https://www.oasis-open.org/policies-guidelines/open-projects-process/#oasis-standard-approval-external-submissions

- 3 Statements of Use - https://www.oasis-open.org/policies-guidelines/oasis-defined-terms-2018-05-22/#dStatementUse

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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/1lTartcAzlqidzrCxuXFFiwdRDKRipqMnNsMS24SZdjg/edit
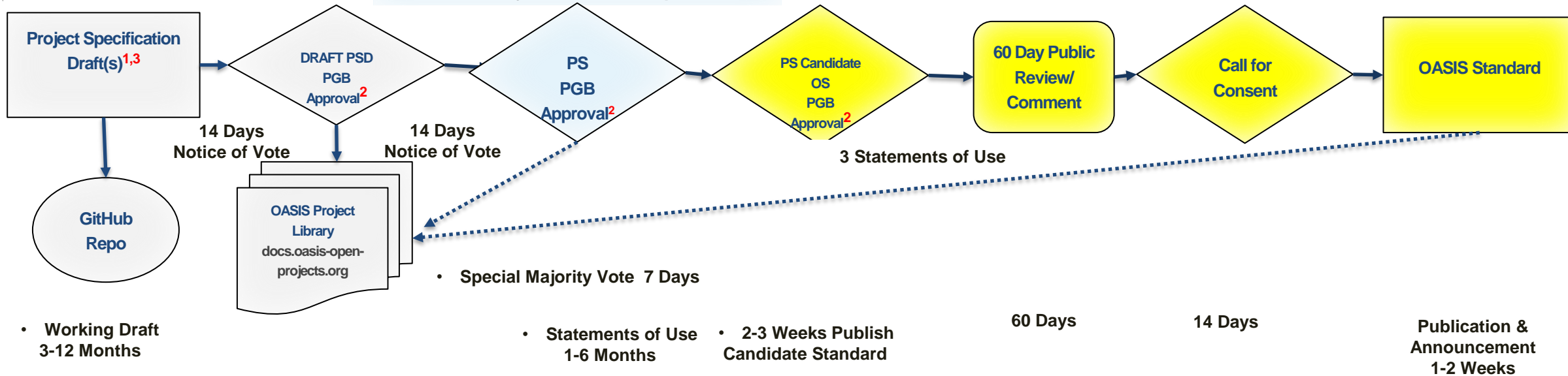- Create Project Specification Draft (PSD)

- 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**
- **PGB approve PS as Candidate for OASIS Standard**

- **OASIS Standard approved by members under Call for Consent**

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

GitHub Repo

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

14 Days Notice of Vote   **14 Days Notice of Vote**

3 Statements of Use

- Special Majority Vote 7 Days

- **Working Draft 3-12 Months**

- **Statements of Use 1-6 Months**
- **2-3 Weeks Publish Candidate Standard**

60 Days   **14 Days**   **Publication & Announcement 1-2 Weeks**

NTAC UPDATE

- API 2.0

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NIEM API 2.0 AND NIEM TOOLBOX – 1

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

Feature	NIEM API	NIEM Toolbox
(*Background*)	• Java / Spring Boot and PostgreSQL database • Hosted via GTRI	• Nuxt (JS) SPA • Hosted via GitHub Pages *(free)*
Transforms	• Transform models into other formats • Inputs – CMF or NIEM XSD • Outputs – CMF, XSD, JSON Schema, or OWL • Leverages the CMF tool	• Form to upload file and set options • API request • Download results
Validation	• 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)	• Form to upload file and set options • API request • Download and view results
Migration	• 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	• Form to upload file and set options • API request • Download and view results

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Done	In progress

NIEM API 2.0 AND NIEM TOOLBOX – 2

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

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

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Done

In progress

BACKUP

PGB APPOINTED VOTING MEMBERS

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

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

Mr. Gary Egner
Director Business Development, Equivant

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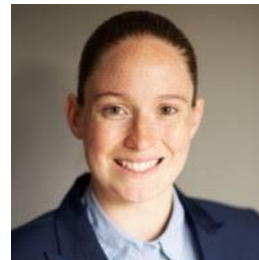Principal Research Scientist, Georgia Tech Research Institute

Ms. Maria Cardiellos
Executive Director Integrated Justice Information Systems Institute

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

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

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

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

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

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PGB EXPERT VOTING MEMBERS & NON-VOTING MEMBERS

PGB EXPERT VOTING MEMBERS
Technical Steering Committees

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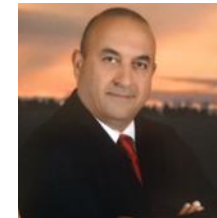Business
Architecture
Committee TSC

Ms. Darcy Staley
Co-Chair, NIEM
Management
Organization TSC

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

PGB EXPERT NON-VOTING MEMBERS
Technical Steering Committees

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

Mr. Paul Wormeli
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

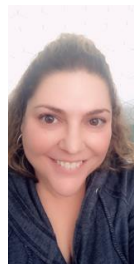| TSC	Approved (TSC CHAIRS)
NMO TSC	Ms. Darcy Staley & Ms. Beth Smalley
NBAC TSC	Mr. Kamran Atri & Mr. Thomas Krul, Mr. Paul Wormeli
NTAC TSC	Dr. Scott Renner & Mr. Brad Bolliger

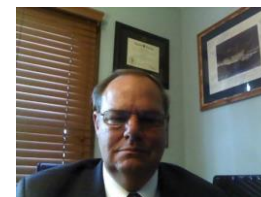| GitHub Repos	Primary	Alternates
NIEM Open	Ms. Christina Medlin, Mr. Aubrey Beach	Mr. Tom Carlson, Ms. Shunda Louis, Mr. Steve Sullivan (pgb-minutes)
NTAC-Admin	Dr. Scott Renner, Mr. Brad Bolliger	Mr. Aubrey Beach, Mr. Tom Carlson, Mr. Jim Cabral, Ms. Christina Medlin, Ms. Shunda Louis
NBAC-Admin	Mr. Steve Sullivan, Mr. Aubrey Beach	Ms. Shunda Louis, Ms. Christina Medlin
NMO-Admin	Ms. Darcy Staley, Mr. Aubrey Beach	Mr. Steve Sullivan, Ms. Shunda Louis

NTAC TSC

NBAC TSC

NMO TSC

Christina Medlin

Aubrey Beach

Dr. Scott Renner

Brad Bolliger

Steve Sullivan

Darcy Staley

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RESOURCES

Katherine Escobar, katherine.b.escobar.civ@mail.mil, 757-203-8631

- **Git Repos**
  - NIEMOpen: https://github.com/niemopen/
  - NTAC TSC
    - https://github.com/niemopen/ntac-admin
  - NBAC TSC
    - https://github.com/niemopen/nbac-admin
  - NMO TSC
    - https://github.com/niemopen/nmo-admin
  - NIEMOpen Slack Channel: https://niemopen.slack.com/
- **Mailing Lists**
  - NIEMOpen: https://lists.oasis-open-projects.org/g/niemopen
  - PGB: https://lists.oasis-open-projects.org/g/niemopen-pgb
  - NTAC TSC: https://lists.oasis-open-projects.org/g/niemopen-ntactsc
  - NBAC TSC: https://lists.oasis-open-projects.org/g/niemopen-nbactsc
  - NMO TSC: https://lists.oasis-open-projects.org/g/niemopen-nmotsc

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https://www.niem.gov/

https://niemopen.org/

GitHub

slack

Confluence

Follow Us On Twitter

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

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

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

IEPD/MEP REPO

MEP TOOL

CMF TOOL

NDR v6.0 PSD01

NIEM Model v6.0 PS02

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