



Enabling Information Exchange Across Public/Private Organizations

Founding member

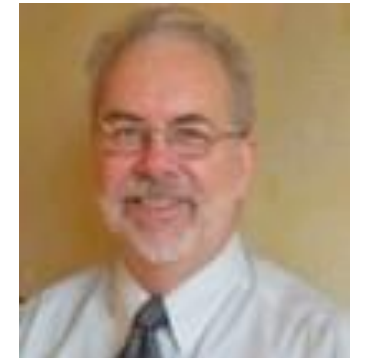


U.S. Department of Defense



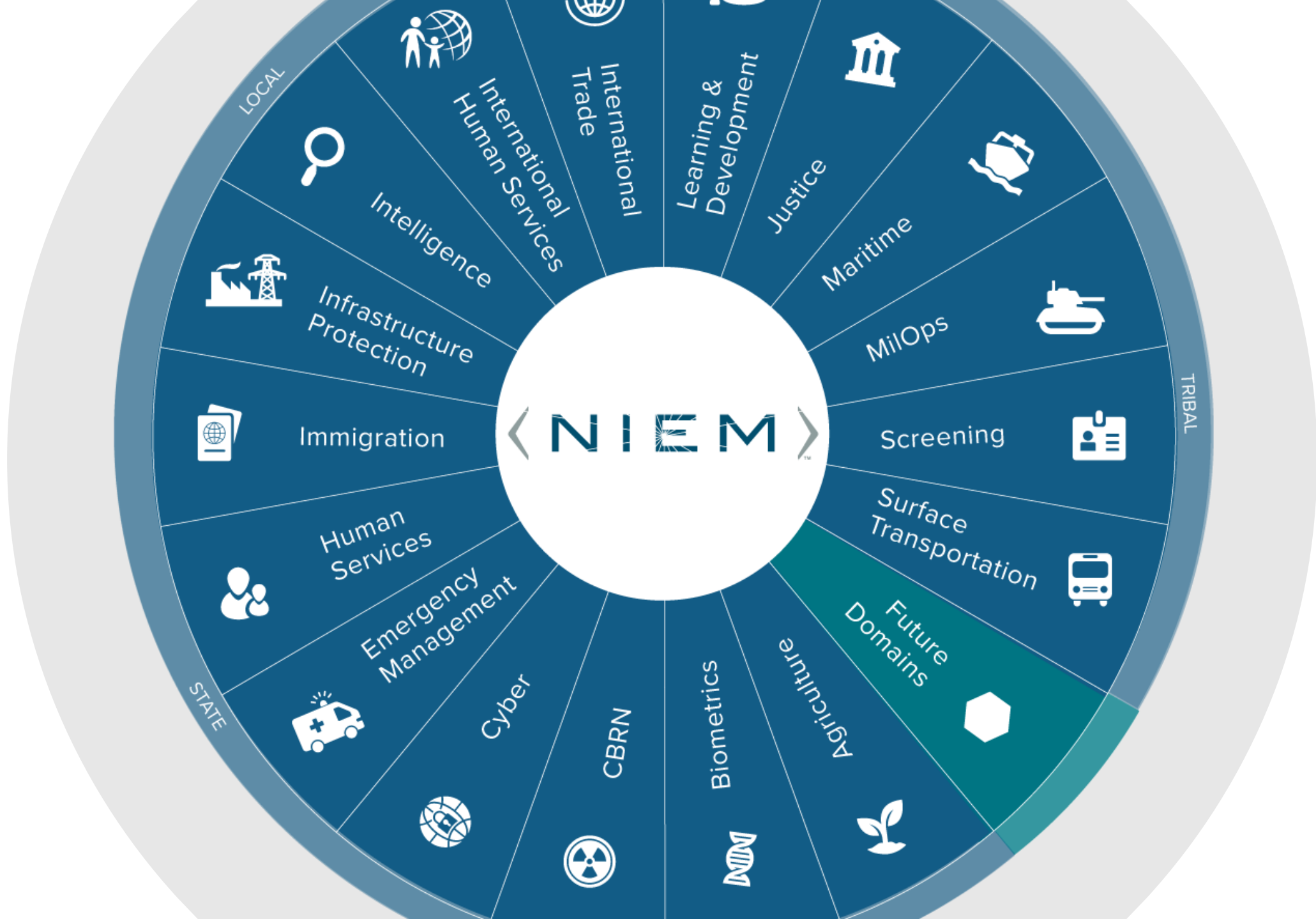
Who is presenting today:

- **Katherine Escobar**-- Deputy Division Chief, Data and Services Division at Joint Staff J6 and NIEM Managing Director
- **Chet Ensign** - Chief Technical Community Steward at OASIS
- **Dee Schur** – Open Source and Standards Advocate at OASIS
- **Mr. Whitehead** - Deputy Director for Cyber and Command, Control, Communications and Computers (C4) Integration (DD C5I), within Directorate for Command, Control, Communications, and Computers/Cyber, JS J6



- Global, nonprofit consortium for advancing open standards and open-source projects
- Promotes interoperability, innovation, and freedom of choice
- Broad agenda: cybersecurity, emergency, legal, digital trade , IoT, AI, cloud computing, blockchain...
- Member of European Multi-Stakeholder Platform on ICT Standardization → EU allows OASIS specs to be referenced in public procurement.
- De jure relationships that offer path for ratification by ISO, IEC (JTC 1), and ITU
- Home of Baseline, UBL, ebXML, BDXR (PEPPOL messaging), SAML, OpenDocument, STIX, TAXII, KMIP, PKCS 11, OpenC2, CAP, TOSCA, OData, MQTT, AMQP, Dita...





Information Exchanges Built on NIEM

- **Interstate Justice and Public Safety Network (NLETS)** - exchange mission-critical law enforcement information.
- **Amber Alert** - child abduction emergency alert.
- **Prescription Drug Monitoring Exchange (PMIX)** - Mitigate pharmaceutical drug abuse across state lines.
- **FBI Incident Reporting National Data Exchange System (N-Dex)** standardized and secure criminal justice information sharing to relevant criminal justice agencies.
- **FBI National Crime Information Center (NCIC)** - United States' central database for tracking crime-related information.
- **Centers for Disease Control and Prevention (CDC) Emergency Preparedness and Response Exchange Requirements** - exchange and sharing of critical emergency management (EM) data.
- **National Electronic Interstate Compact Enterprise (NEICE)** - placement of children in foster care across state lines.
- **Indian Child Welfare Act (ICWA) e-Notice.**

Standards that include NIEM

- ANSI APCO Alarm Monitoring Company to Public Safety Answering Point (PSAP)
- OASIS EXDL, Emergency Data Exchange Language FEMA (Emergency Management Domain)
- Nation Fire Protection NFPA 950 calls for compliance with NIEM. Emergency Incident Data Document (EIDD) – NISTIR 8255
- Model Minimum Uniform Crash Criteria Guideline (MMUCC) – Department of Transportation
- ANSI 42.42 Radiological Nuclear detectors – CBRN Domain
- NIST Big Data Framework Vol 7
- Biometrics ANSI/NIST ITL Standard – Biometrics Domain
- Biometric Conformance Test Software (BioCTS)
- BioCTS for AN-ITL v2 is a desktop application which tests electronic biometric data files, known as transactions, for conformance to NIST Special Publication (SP) 500-290
- Conformance Test Architecture (CTA) and Test Suite (CTS) called "BioCTS for AN-2011 NIEM XML" designed to test implementations of AN-2011 NIEM XML encoded transactions.
- NIEM cited in patent – Integrated Environment for Developing Information Exchanges patent No: US 8,769,480 B1 Dated July 1, 2014

Summary

Transitioning NIEM to OASIS, an ANSI-accredited and ISO-recognized standards development organization:

- Brings NIEM on par with other already established data standards
- Increases adoption by international bodies such ISO/IEC and utility to stakeholders
- Preserves government investment
- Ensures long term viability for government
- Promotes global adoption
- NIEM benefits from a recognized SDO and open-source strategy to evolve NIEM and keep pace with innovations

Highlights from FAQ

- **Why is NIEM transitioning to an international standards development organization? What are the benefits?**
 - NIEM has reached a level of maturity where it will benefit from a more formal collaboration guided by a recognized standards development process that ensures transparency, participation, stability, reciprocity, and ease of access both during the development and long after the project is complete. OASIS provides all of this and is an ANSI accredited developer of American National Standards as well as an authorized PAS Submitter to ISO. Having these certifications available to NIEM means they will be implementable by the broadest possible stakeholder community.
- **Who will be able to access the NIEM specifications? Do I have to join OASIS in order to access NIEM?**
 - All OASIS specifications are available for download and use by anyone without cost. You do not have to be an OASIS member to access or implement any OASIS specification.

Highlights from FAQ

- **Is there a fee to join OASIS? Will I have to travel to attend meetings?**
 - The work of OASIS is funded by sponsorship dues. The consortium offers a scaled range of dues based on the size of the organization with discounted rates for academics, associations, local government agencies, and individuals.
 - Membership dues are the major source of OASIS funding; they make it possible for the consortium to provide high quality standards without charge and to assure that all OASIS deliverables are publicly accessible in perpetuity. Dues are used to provide technical infrastructure for standards development, review, and publication. Dues are used to promote adoption of the standards through staff-led outreach, press and analyst relations, conference presentations, seminars, workshops, training, and support materials. Dues also fund liaison activities that encourage endorsements from peer organizations and trade associations and make it possible for OASIS standards to be approved by de jure standards bodies and governments around the world.
 - Sponsors are never required to travel to participate in standards development. The majority of OASIS Open Project work is conducted via email and by teleconference meetings. The frequency and scheduling of meetings is determined by the PGB members. Should the PGB choose to hold a face-to-face meeting, teleconference facilities will be provided to enable Sponsors to participate remotely.

Highlights from FAQ

- **What is the timeline for transition?**
 - 24 months starting Oct 1, 2021
- **What will NIEM Management Office (NMO)'s role be with respect to NIEM after transition?**
 - The NMO, previously managed by the founding organizations (DHS, DOJ, HHS and DoD) as a whole have made significant investments in NIEM and will continue to encourage the adoption and implementation of these critical enablers.
- **How will NIEM and its parts (Management office, lead developer, etc) be funded?**
 - The work of OASIS is funded by sponsorship dues. The consortium offers a scaled range of dues based on the size of the organization with discounted dues for academics, associations, local government agencies, and individuals.
 - OASIS will serve as the NIEM Management Office. Sponsor dues up to \$125,000 are used to fund the operations of the project. Sponsor dues over \$125,000 are used to support additional technical resources, such as the Lead Developer, based on the vote by the PGB for the use of the funds.

NIEM Transition and Timeline

- Phased approach
 - Open Standard – 12 months
 - Phase 1 (Oct. 2021 – Sep. 2022): Preparation (Governing Documentation i.e. Domain Management, Release Management, NIEM Model Management, Rules and responsibilities)
 - Phase 2 (Oct. 2022 – Sep. 2023): Formal Transition to OASIS (NMO)
- NIEM OASIS Steady State
 - DDC5I DSD (MILOPS Domain Steward, Sponsor)
 - Direct International participation allowed (Sponsor, Domain, etc.)
 - Federal CDO Council (invited to be a Sponsor)
 - DoD CDO invited to be a member of Advisory Committee to PGB
- NMO Projects
 - NIEM.gov retained by MILOPS and DHS on behalf of Government
 - Open repository – not started yet, potentially part of NIEM.gov
 - Restricted Repository retained by MILOPS and open to all of NIEM
 - Annual release managed by OASIS

❖ Sponsors hold 1 vote on the Project Governing Board (PGB)

OASIS Open Projects support shared community development of code, APIs, standards, reference implementations... in one place, under open-source licenses with a path to recognition in international policy and procurement.



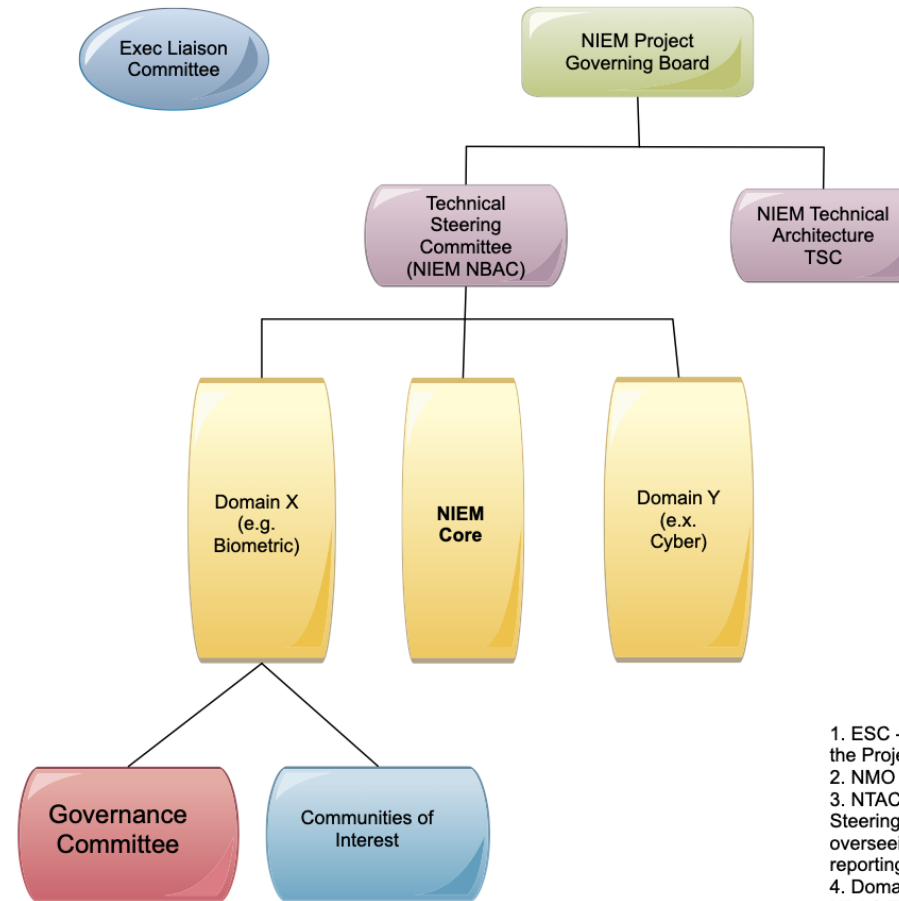
Why Choose OASIS Open Standard?

- Freedom to create a portfolio of complementary materials under one organizational umbrella.
- Option to advance appropriate deliverables through to OASIS Standard with the potential to be referenced by global SDOs including ISO, IEC, and ITU.
- Industry-vetted IP policies and world-class legal support.
- Clear rules to support strategic leadership and shared community development.
- Experienced staff and seasoned programs to help your project reach its goals.

How will NIEM be governed?

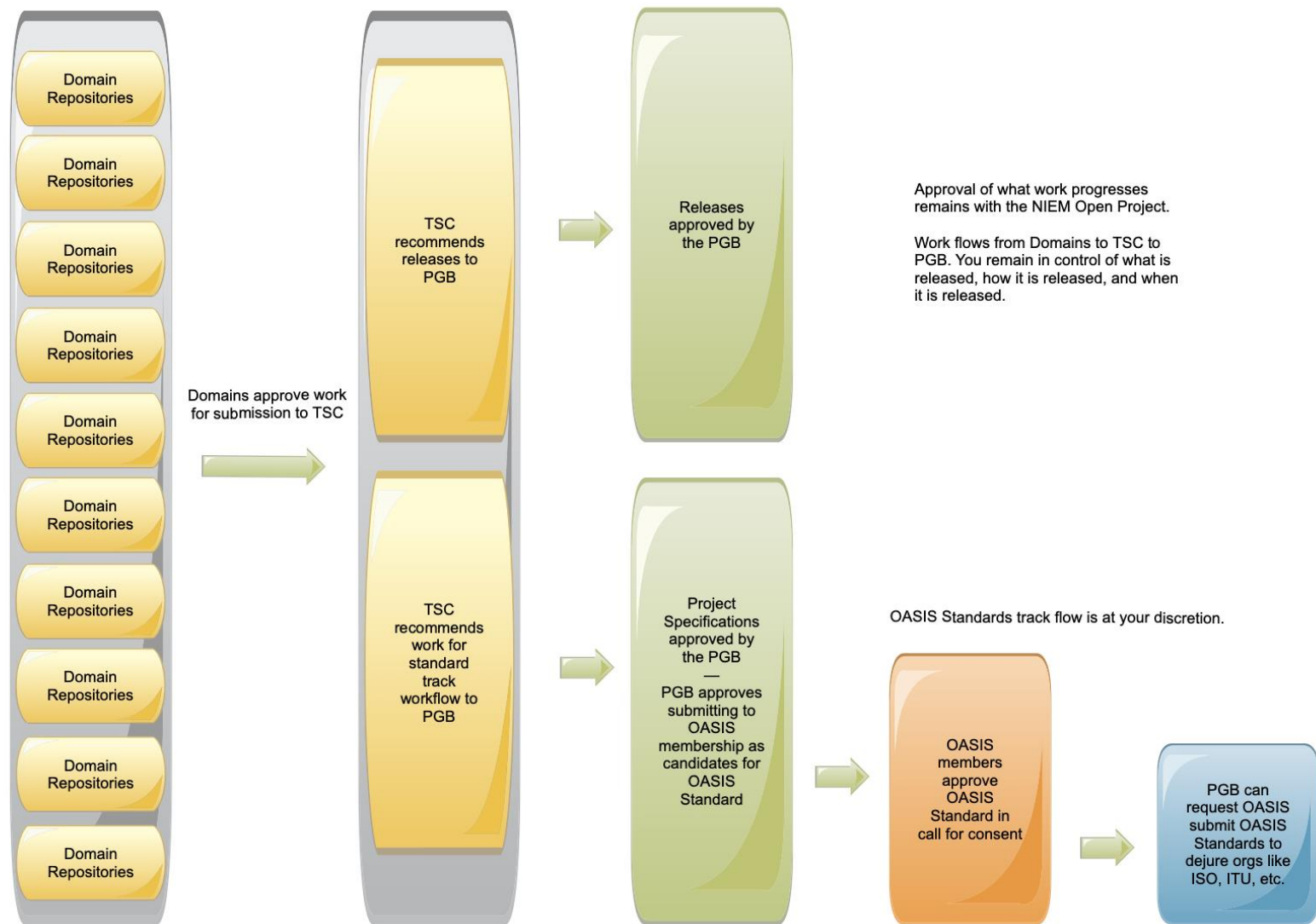
- Organization and responsibilities for governing NIEM will largely mirror current state
- NIEM Open Project will operate under OASIS Open rules and the additional layers of NIEM governance documents to be developed based on existing content
 - <https://www.oasis-open.org/policies-guidelines/open-projects-process/>

How will NIEM be governed?



1. ESC - Becomes an advisory committee to the Project Governing Board (PGB)
2. NMO - Becomes the PGB
3. NTAC and NBAC - Become Technical Steering Committees (TSC) overseeing details of technical work and reporting to the PGB
4. Domains - Will be organized under the NBAC TSC
5. Tiger Teams - Organized for each Domain

How will NIEM be governed



What core services does OASIS provide?

- ✓ Legal entity, management of trademarks and copyrights
- ✓ Contributor License Agreement administration
- ✓ Collaboration tool set: GitHub org, mailing group, calendar, roster, ballot, asynchronous chat, video meetings...
- ✓ OASIS Standards process submission management
- ✓ Submission of approved deliverables to ISO, IEC, ITU via OASIS liaison
- ✓ Community management support
- ✓ Assistance in writing charter, Code of Conduct, other policies
- ✓ Governance administration and support
- ✓ Support for project assets such as website design, hosting, site maintenance, collateral and logo design
- ✓ Press, promotion & outreach to attract developers and sponsors
- ✓ Meeting planning and coordination
- ✓ Free public access to deliverables in perpetuity

Participation, sponsorship, and support



The main reason to sponsor NIEM is to ensure this work continues to expand, and gain increased international recognition. Sponsor organizations will benefit by leveraging the freely available NIEM Standards and improve stakeholder's mission experience while saving time and resources.

What will your organization gain by supporting NIEM?

Create partnerships and tap into brain trust of NIEM experts from public sector

Participate in the development of NIEM standards, ensuring your perspectives and use-cases are represented

Opportunity to become a steward with a seat on the NIEM Board

Unify fragmented efforts and encourage convergence

Determine if/when approved work should be submitted to ITU, ICC, UN, ISO, Etc....

Facilitate communication between private and public-sector



Visibility

Stand out on the NIEM website (linked logo) and in social media

Get executive quotes and their company name featured in NIEM press releases

Provide testimonial quotes for the website

Speak on behalf of NIEM at conferences, workshops

May participate in interoperability demos and plug-fests

May use the NIEM OASIS logo to promote their sponsorship

NIEM Sponsorship

	Premier Sponsor	General Sponsor
Organization size		
2,000+ employees		\$26,500
500–1,999 employees		\$16,000
100–499 employees		\$10,600
10–99 employees	\$60,000	\$5,300
Fewer than 10 employees		\$2,200
Nonprofit, university, non-OECD government agency		\$1,100

* Each NIEM Sponsor pays annual dues that cover core services provided by OASIS

Target Deadlines and Next Steps



August 2022

Submit Sponsor Agreement to be a
Founding Sponsor



October 2022

First Board Meeting



November 2022

NIEM Press Release

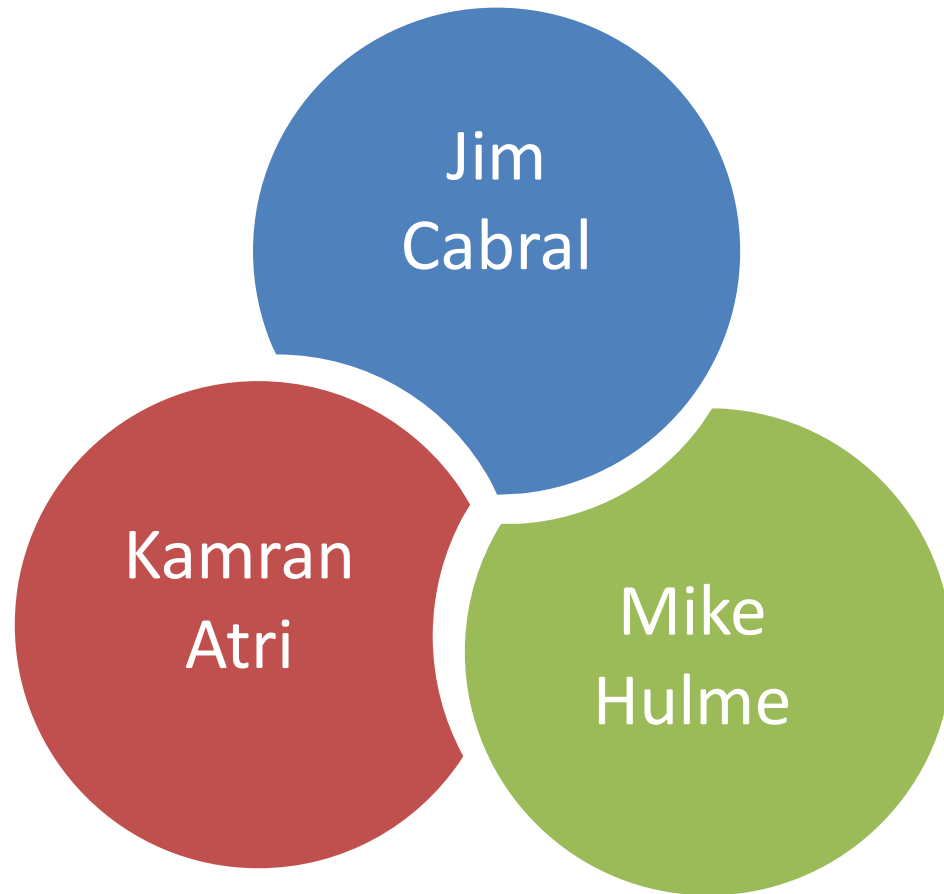
Call to Action -- We need you

- secure the future of NIEM
- protect and preserve the integrity of NIEM
- expand the NIEM footprint

Our future success depends on your support! We look forward to welcoming you as a Founding Sponsor to the NIEM Open Project.



Personal Experience



KAMRAN ATRI

Director at A4SAFE INC

JIM CABRAL

Vice President of Court Relations at InfoTrack US,
OASIS Board of Directors

MIKE HULME

Architecture Director at Unisys Corporation

Questions? Comments?

Please contact dee.schur@oasis-open with any questions or feedback