Biometric Domain
ANSI/NIST-ITL Standard

• Requirement:
  Domain stewardship is required for establishing and maintaining a NIEM Biometrics Domain, and for participation in NIEM governance activities.

• 2008 version was first with XML
  • Schedule of NIEM and ANSI/NIST-ITL not in sync
    • Portions of NIEM core based upon early drafts of the standard
    • Need to update the standard meant conflict with NIEM core
  • Process was very awkward
ANSI/NIST-ITL Standard (Cont)

• 2011 version -- new approach needed
  • Biometrics Domain to be updated based upon ANSI/NIST-ITL schedule
  • Maintain backward compatibility to maximum extent possible
  • Separate governing structure from ANSI/NIST-ITL since it is a consensus standard without a formal management → Biometrics Domain Management
  • No changes to Biometrics Domain in NIEM affecting ANSI/NIST-ITL without approval of ANSI/NIST-ITL
National Information Exchange Model (NIEM)

- Data Dictionary of Harmonized Terms and Definitions
- Reusable Data Models and Schemas
- Set of Rules for Building NIEM Components
- Clearinghouse of Reusable *Information Exchange Package Documentation (IEPD)*
- Tools, Training, Knowledge Center, and Helpdesk
- Library of Supporting Documentation
- Partnership of Local, State, Tribal, and Federal organizations

- Operational Practitioner Driven - YOU
NIEM Components & Authorities

Components of NIEM

• Executive Order 13356
  • 2004 - develop common standards for the sharing of terrorism information by agencies within the Intelligence Community

• The 2012 “National Strategy for Information Sharing and Safeguarding”
Engaging Stakeholders

Development Life Cycle

Phase 1 – Working with sub-components to understand and capture the attributes.

Phase 2 – Support the development of the data modeling and mapping for the exchanges.

Phase 3 – Support development of specifications and promotion to DHS Data Repositories

Biometric Domain

Domain MGMT Support

Requirements Validation & Verification

Standards Alignment

NIEM Data Model Exchange Harmonization

IEPD Development & Demonstration

IEPD Approval & Maturation

SUPPORT THE MISSION
NIEM Biometric Domain Alignment

Executive Steering Council (ESC)

Policy Advisory Panel

National Priority Exchange Panel

NIEM Program Management Office (PMO)

Business Architecture Committee (NBAC)

Technical Architecture Committee (NTAC)

Communication & Outreach Committee (NC&OC)

Requirements to or from NIEM PMO

NIEM (Biometric, Governance, Configuration Management)

NIST (Biometric, Governance, Configuration Management)

initialize Charter

Feedback

Schema

Attributes

Governance

Interop

Communities Of Interest (COIs)

Operational Working Groups

Technical Working Groups

Biometric Domain

DHS US-VISIT Steward

US-VISIT Chair

DoJ / FBI Vice-Chair

NIST Ombudsman
Continuous Stakeholder Engagement

- Coordinate with US-VISIT leadership and NIEM PMO and NIST
- Complete Domain Charter in coordination with NIST
- Establish Domain Management Plan
- Conduct Stewardship meeting

Assume NIEM Stewardship

2012

- Working with NIST to mature the Charter
- Establish COI
- Baseline Biometric Schema & IEPD needs (Data Model)
- Establish Domain CM
- Identify harmonization target IEPDs
- Organize COI WG

Establish Core Community

2013

- Promote schema to NIEM
- Working with COI in developing IEPDs
- Define domain maturity development roadmap
- Refine Domain configuration management

Reaffirm Vision

Increase outreach

- Promulgate NIEM standards and IEPDs to industry partners, vendors, and other partners
Acknowledgements for this version

• Executive Committee’s Member:
  • **Chair**: Will Graves, NPPD US-VISIT
  • **Vice-Chai**: Justin Smith, DoJ FBI
  • **Ombudsman**: Brad Wing, NIST

• Working group participants:
  • **DoD**: William Zimmerman, Ryan Triplett, Jeffrey K. Schultz
  • **FBI/DoJ**: Jennifer Stathakis, Cathy Wimer, Joe Pancaro, Omar F Cuadra, Cherie Hayes
  • **US-VISIT**: David Bouis
  • **TSC**: Mike Patnode

• **Other COIs and organizations**: Bonny Scheier(SABER), Brian Finegold(Noblis), Charlie Schaeffer(State of Florida), Stephen Dunbar(NEC), Rene Pape(Plass Data), Alexij Kochetkov(Neurotechnology), CJIS

• **NBD Facilitator Team (CSE support team)**:
  • Kamran Atri, Shuchita Bora, Lain McNeill, Brian Orledge
NIEM Biometric Domain Membership

Collaboration Site

Start a new discussion
Biometric Schema and Related Documents
Announcements
Working Groups’ Calendar
For More Information

Individuals or organizations interested in learning more about the NIEM Biometric Domain or registering for a Community of Interest membership and participation can visit: https://www.niem.gov/communities/biometrics/Pages/about-bm.aspx or send an email to NIEM-BD-Facilitator@cse-corp.com
Formalizing the NIEM Biometric Domain

**Foundation Activities:**
- Establish the Domain within NIEM.GOV
- Define administrative and managerial assets
  - NIEM Facilitator
  - Domain Steward (US-VISIT Program)
  - Executive Management Committee (Chair, Co-Chair, Ombudsman)
- Create Domain Charter and Domain Management Plan
  - Governance framework aligned to NIST

**Engagement Activities:**
- Using Domain CoI vet, facilitate, and authorize the Biometric Schema for NIEM 3.0 inclusion
- Promote Biometric CoI contribution via NIEM Biometric Domain Working Groups
- Increase COI NIEM alignment through IEPD development (Training and Technical support)
- Create a IEPD Repository (promote reusability)