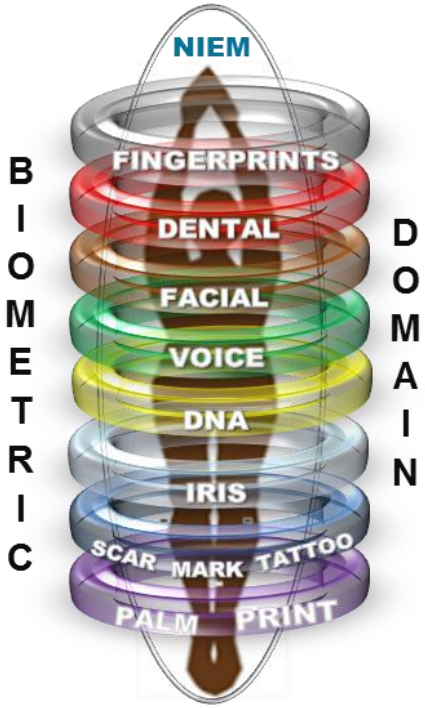
NIEM



Biometric Domain

January 2013

ANSI/NIST-ITL Standard

- Requirement:

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

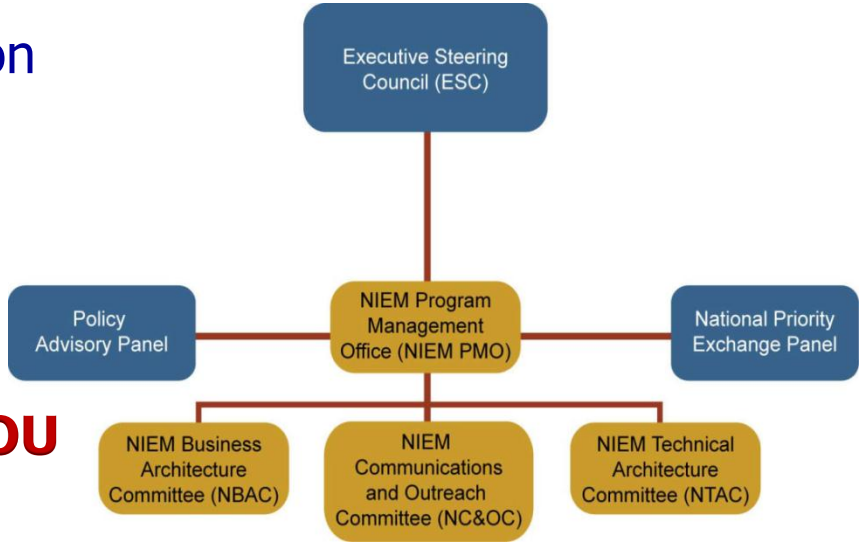
- 2008 version was first with XML
  - Schedule of NIEM and ANSI/NIST-ITL not in sync
    - Portions of NIEM core based upon early drafts of the standard
    - Need to update the standard meant conflict with NIEM core
  - Process was very awkward

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)

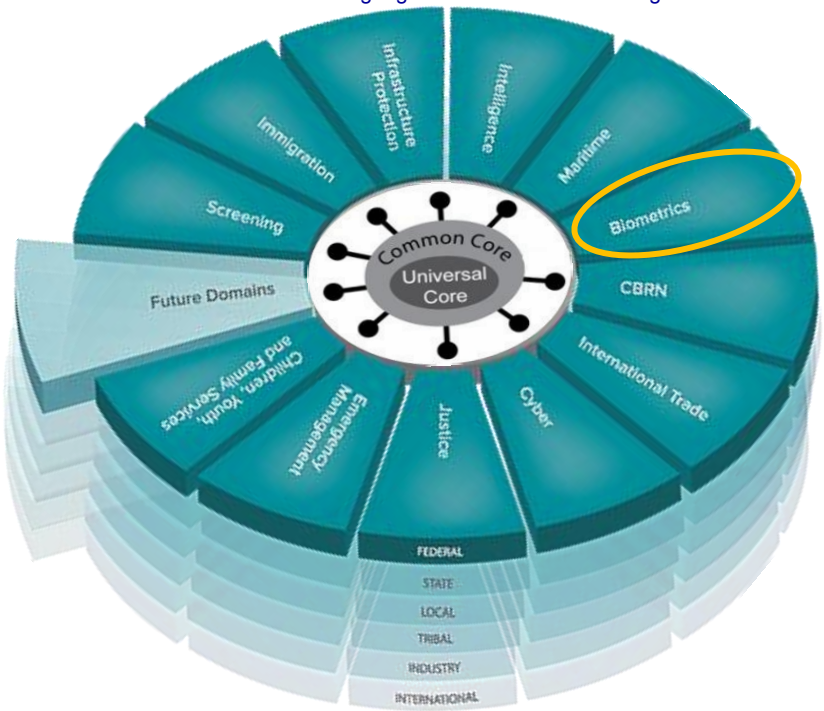
- Data Dictionary of Harmonized Terms and Definitions
- Reusable Data Models and Schemas
- Set of Rules for Building NIEM Components
- Clearinghouse of Reusable *Information Exchange Package Documentation (IEPD)*
- Tools, Training, Knowledge Center, and Helpdesk
- Library of Supporting Documentation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



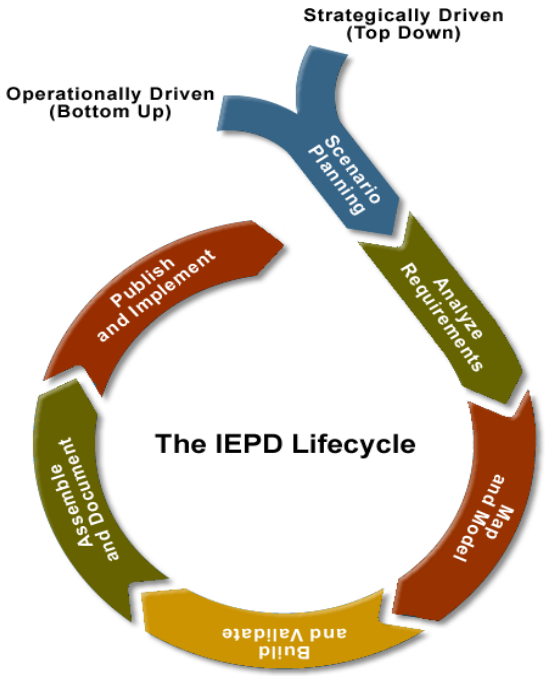
NIEM Components & Authorities

Components of NIEM

"Common Language" for Information Exchange



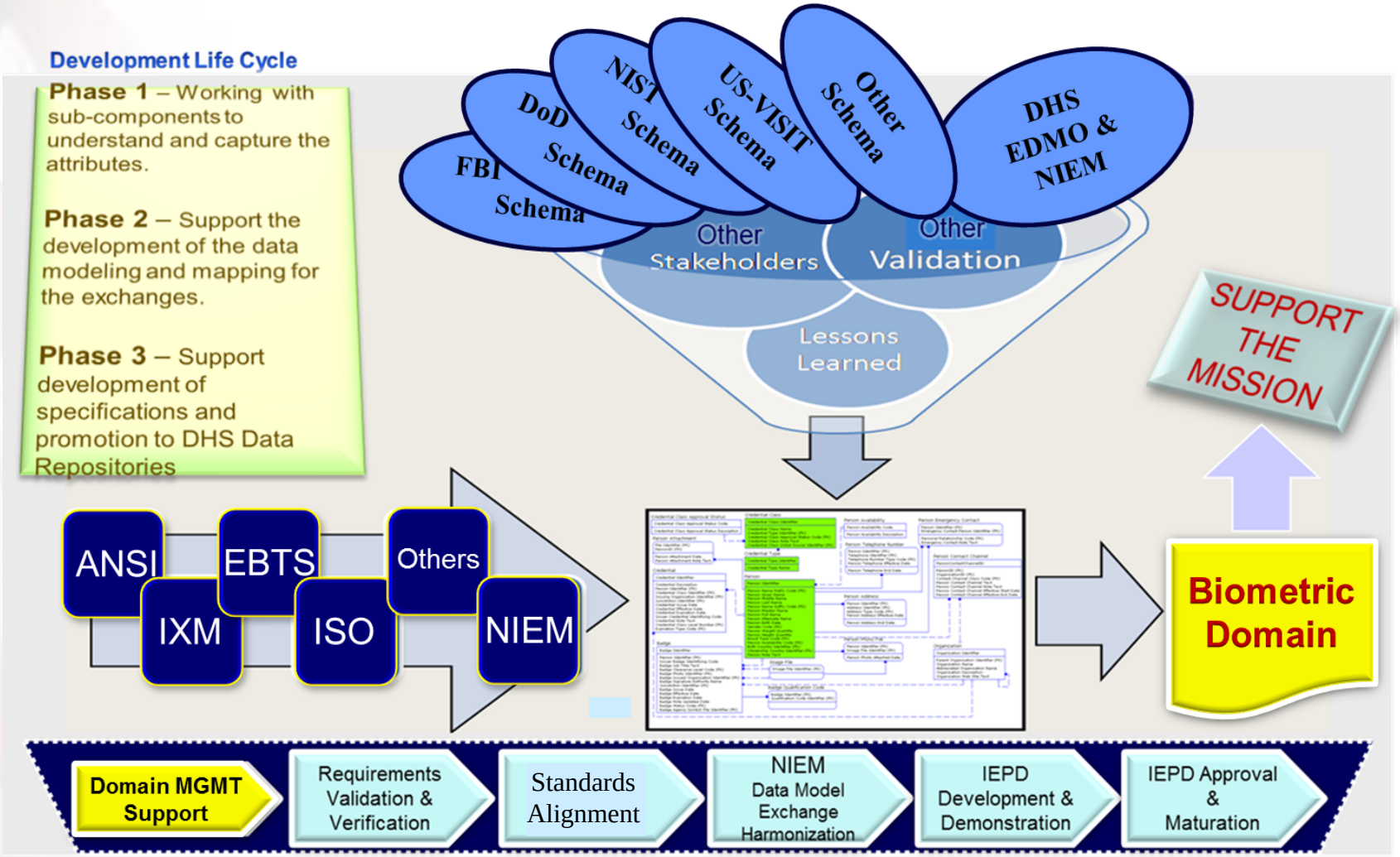
Repeatable, reusable process for business users to document information exchange requirements



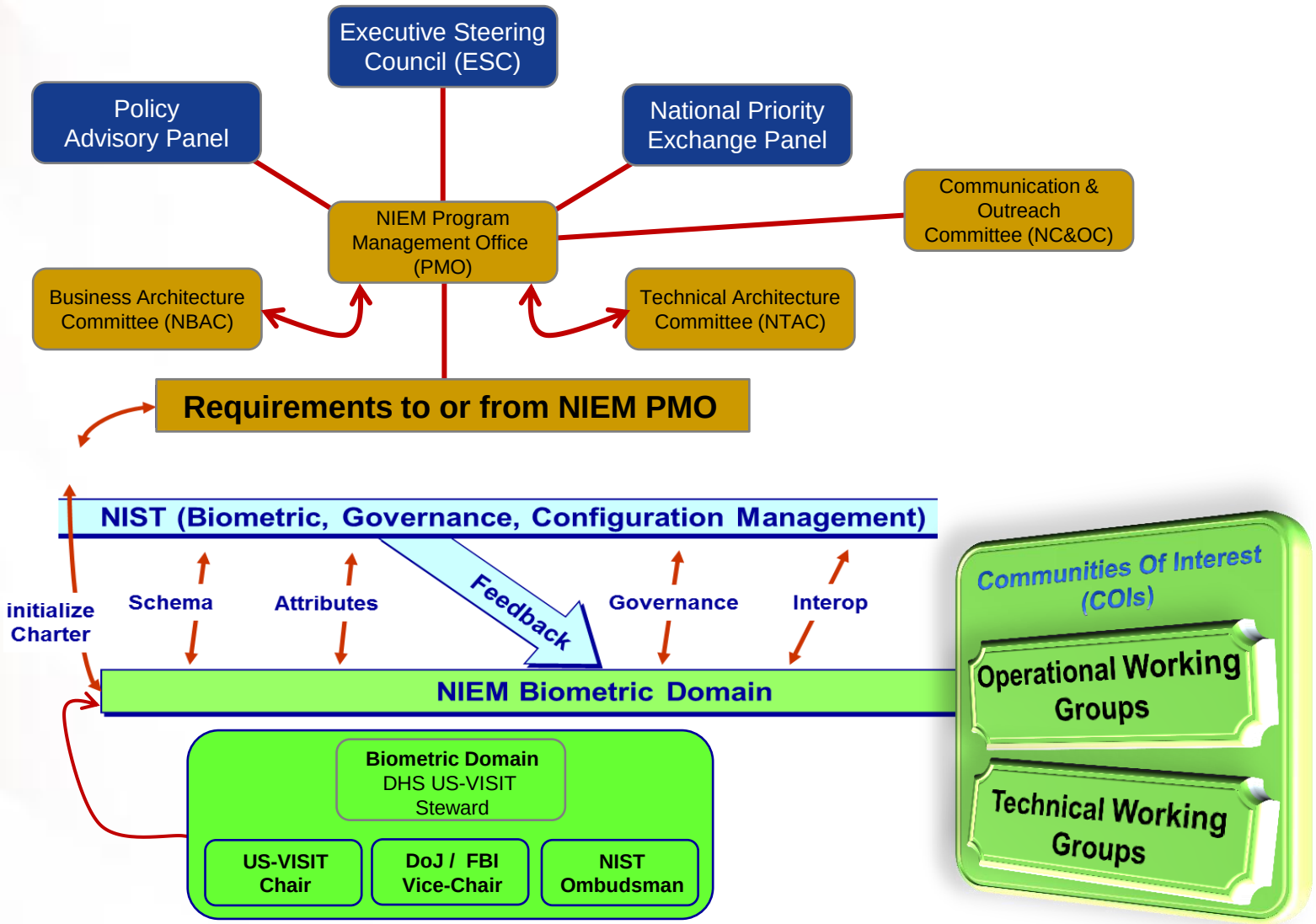
Built and governed by the business users at Federal, State, Local, Tribal and Private Sectors

- 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*"

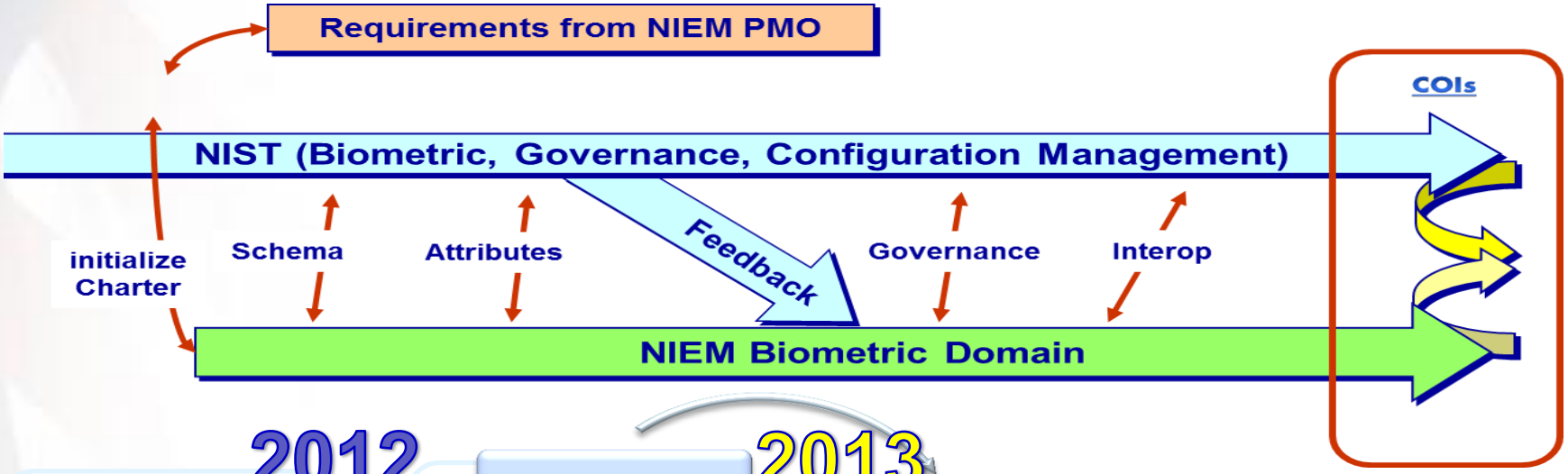
Engaging Stakeholders



NIEM Biometric Domain Alignment



Continuous Stakeholder Engagement



2012

- 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

Establish *Core Community*

- 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

2013

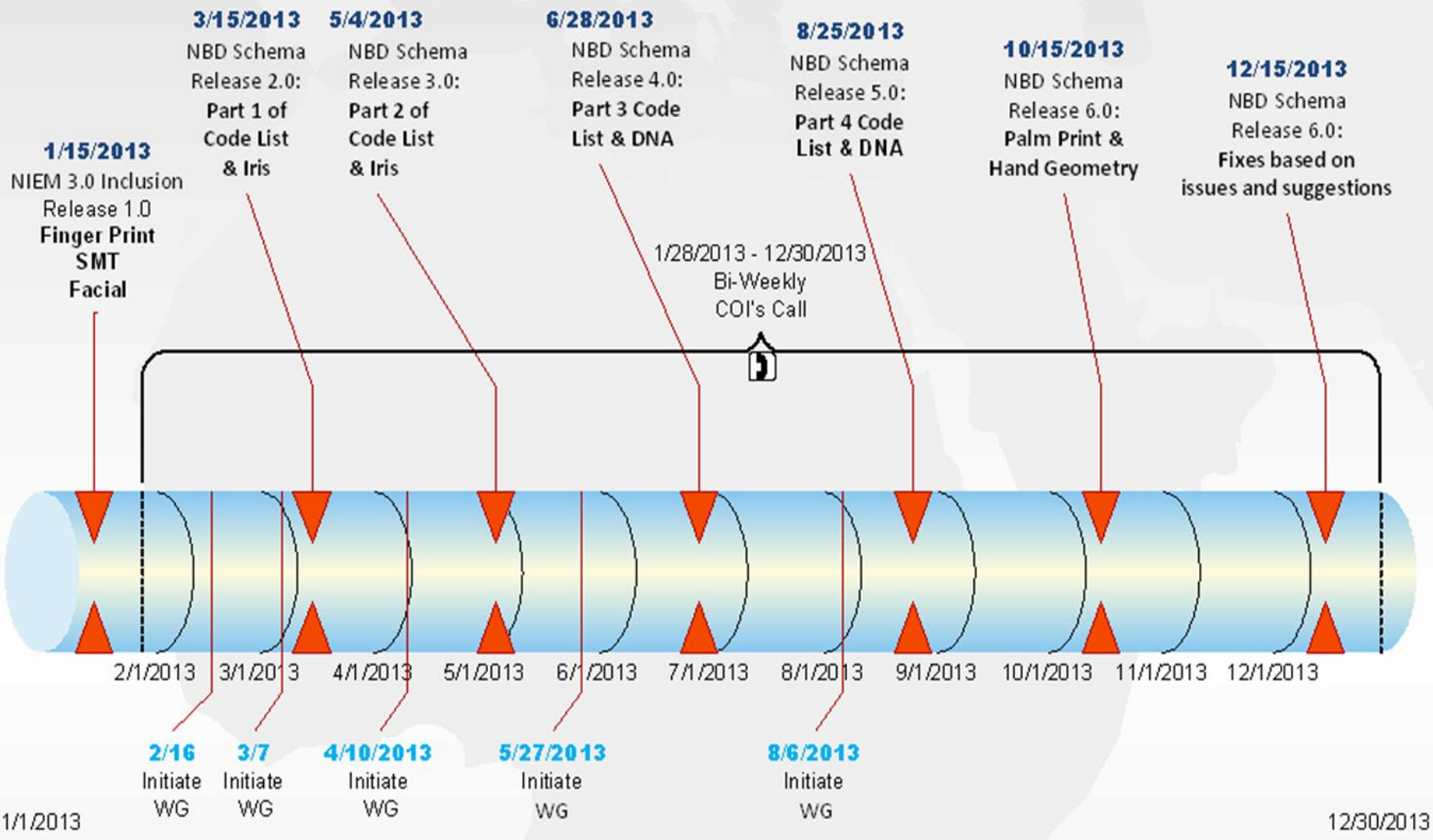
- Promote schema to NIEM
- Working with COI in developing IEPDs
- Define domain maturity development roadmap
- Refine Domain configuration management

Reaffirm Vision

Increase outreach

- Promulgate NIEM standards and IEPDs to industry partners, vendors, and other partners

Review Process and Timeline



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

William Graves
NIEM Biometric Domain Chair
US-VISIT Program
Biometric Domain Steward

National Information Exchange Model (NIEM)

Biometric Domain Membership Approval Form

I _____ wish to be a member of the NIEM Biometric Domain.

As a member of the NIEM Biometric Domain, I agree to follow the frameworks, policies, processes and governance as set forth in the NIEM Biometric Domain Charter and Management Plan and to provide the necessary assistance and contribution as required by the Domain, including review and voting on issuing required domain resolution. If I am unable to take action on any issue(s) that requires Domain Member input, I will designate my alternate (if any) to act in my stead.

Please email this form to NIEM-BD-FACILITATOR@CSE-CORP.COM. Upon vetting and approval by the Chair of the Domain a notification will be send to you with details on next steps and activities.

The organization I represent is: (check one) _____ US Federal Government; _____ Other Government; _____ Consultant; _____ Vendor; _____ Other

My preferred mode of participation is: (check all that apply) _____ Member only; _____ Technical Working Group; _____ Operations Working Group; _____ Tiger Teams (various issues)

Signed _____ Date __/__/____

Printed Name _____

Organization _____

Address _____

E-mail Address _____

Phone _____ Fax _____

For Official Use

Approved _____ YES ____ NO ____

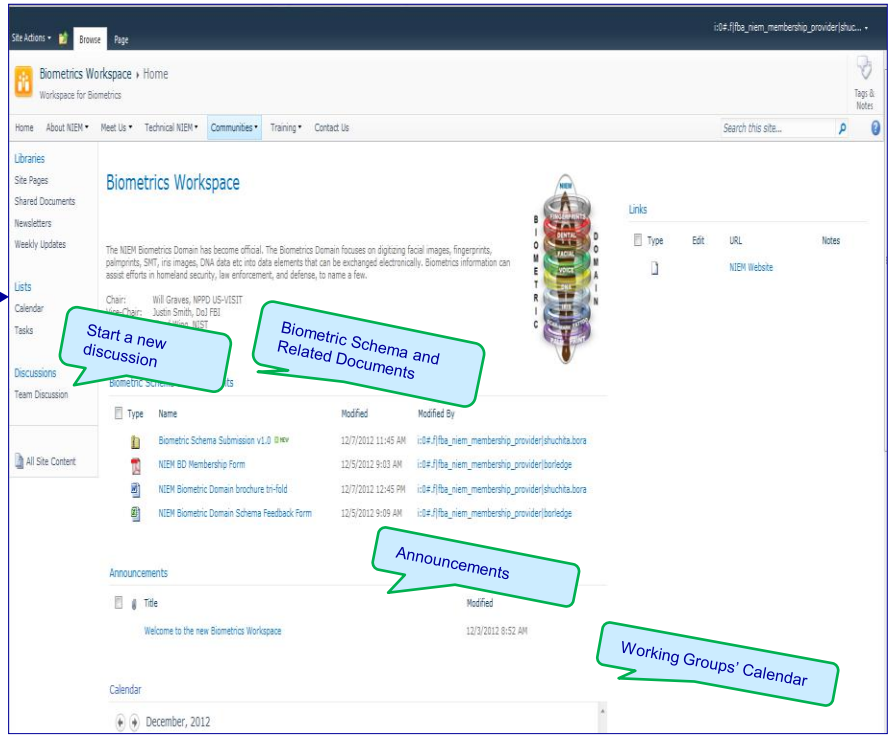
Approver Name _____

Approver Signature _____ Date __/__/____

US-VISIT

NIEM Biometric Domain Membership Approval Form

Homeland Security



For More Information

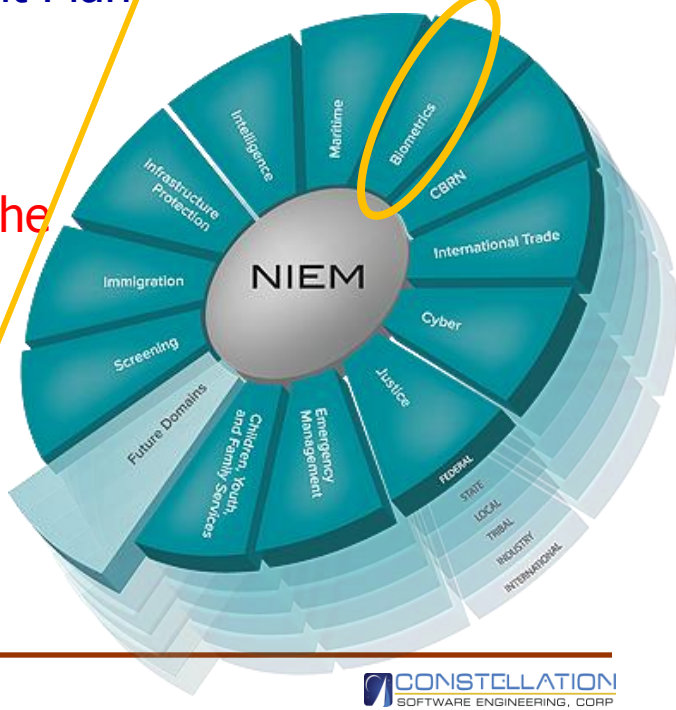
Individuals or organizations interested in learning more about the NIEM Biometric Domain or registering for a Community of Interest membership and participation can visit:
https://www.niem.gov/communities/biometrics/Pages/about-bm.aspx
or
send an email to NIEM-BD-Facilitator@cse-corp.com

Kamran Atri
Project Lead Architect
CSE CTO
http://www.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)