



NARUC

Winter Committee Meetings

Staff Subcommittee On Gas



North American Energy Standards Board

February 12, 2017

{ NARUC Staff Subcommittee on Gas
{ Who is NAESB and what does it do?

Background

Origin and Scope:

- The North American Energy Standards Board (NAESB), originally the Gas Industry Standards Board (GISB), serves as an industry forum for the development and promotion of standards which will lead to a seamless marketplace for wholesale and retail natural gas and electricity, as recognized by its customers, business community, participants, and regulatory entities.
- GISB est. 1994 / NAESB est. 2001
- Strong relationship with the Federal Energy Regulatory Commission (FERC), National Association of Regulatory Utility Commissioners (NARUC), Department of Energy (DoE), North American Electric Reliability Corporation (NERC), Department of Commerce (DoC), National Institute of Standards and Technology (NIST), National Petroleum Council (NPC) and various state regulators.

Standards and Other Products:

- Wholesale Electric Market Standards: ~2,000
 - OASIS, Cybersecurity, Energy Efficiency and Demand Response, Smart Grid, NERC Supportive
- Wholesale Gas Market Standards: ~600
 - Nominations, Confirmations, Invoicing, Gas Quality, Gas-Electric Coordination, Contracts
- Retail Market Standards: ~1,400
 - EDI – Billing and Payment, Dispute Resolution, Customer Enrollment, Drop and Information change, Energy Efficiency and Demand Response, Smart Grid
- Other Products
 - The Electric Industry Registry
 - e-Tag Functional Specification
 - Common Coding System for Interstate Pipelines

Organization by Quadrant and Segment:

Wholesale Gas – 5 Segments

1. End Users
2. Local Distribution
3. Pipelines
4. Producers
5. Services

Wholesale Electric – 7 Segments

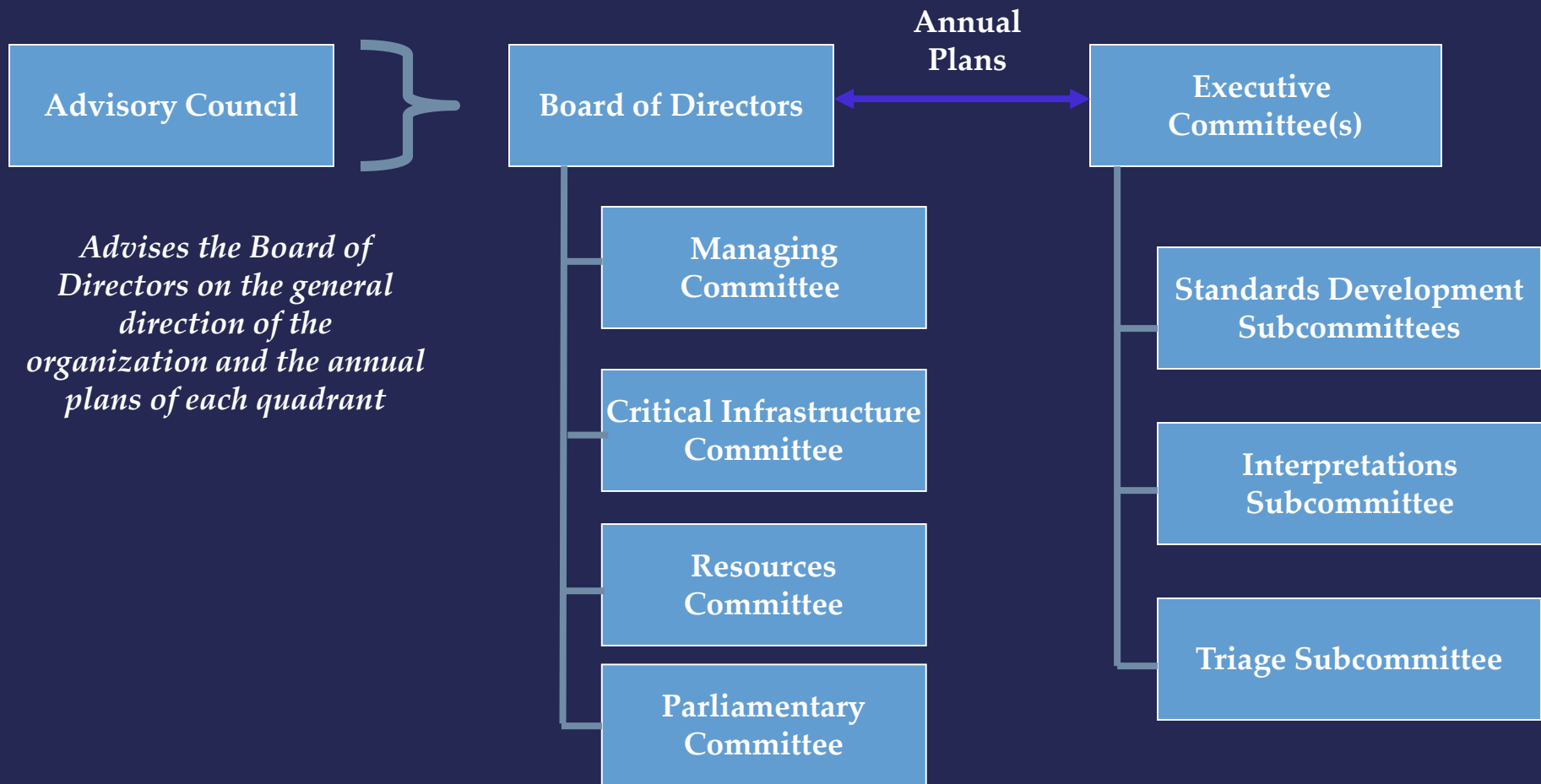
1. End Users
2. Distribution/LSE
3. Transmission
4. Generation
5. Marketers/Brokers
6. Independent Grid Operators/Planners
7. Technology and Services

Retail Markets – 4 Segments

1. Retail Electric End Users/Public Agencies
2. Retail Gas Market Interests
3. Retail Electric Utilities
4. Retail Electric Service Providers/Suppliers



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Corporate Structure & Governance Documentation:

- Certificate of Incorporation
- Bylaws
- Quadrant Procedures
- NAESB Operating Practices
- Board Motions and Resolutions
- Various Memoranda of Understanding

Process

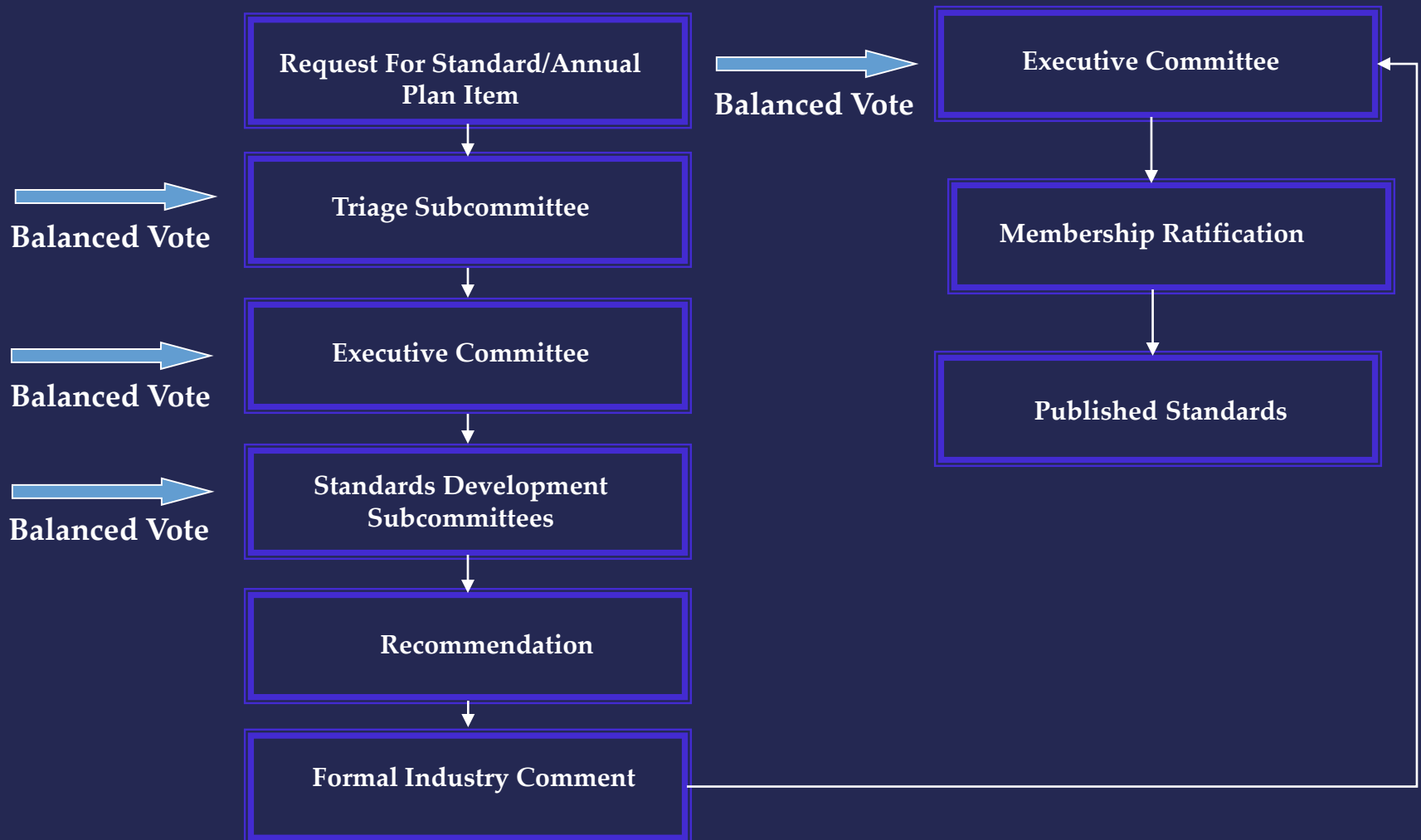
Standards Development Process:

- The process followed is ANSI accredited -- ANSI accredits organizations as Standards Development Organizations (“SDO”) based on their adherence to ANSI’s cardinal principles of standards-setting.
- The process is open and any interested party can participate and contribute to the standards development regardless of membership in NAESB.
- Non-member Meeting Participation Fee

How do the members create the standards?

- We average 30-35 meetings or calls per month
- We average more than 700 participants by phone per month (GEH had more than 300 per meeting!)
- We offer web casting to assist in the conference calls
- All participants, regardless of NAESB membership status, are welcomed to the meetings and subcommittee efforts

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Voting Rules:

- Voting and Motion Making Including for Amendments follows Roberts Rules of Order
- Parliamentary Procedure other than those defined in our Certificate, Bylaws or Operating Practices is “Modern Parliamentary Procedure” published by the American Psychological Association
- Business subcommittees utilize a "balanced" segment voting process to forward recommendations on standards development
- Voters are not required to be members in subcommittees
- Executive Committee approval requires a "super-majority“
- Membership ultimately ratifies all standards development

Other Actions Standards Related Actions:

- Minor Corrections – Simple Majority
- Models – Simple Majority
- Interpretations – Super Majority
- Standards Manual Text, Illustrations, Business Process descriptions – Simple Majority

Relationship with Regulators and Other External Organizations

Voluntary Standards:

- From the organization's perspective, all standards are voluntary and may be provided to regulatory agencies as status reports as they are published.
- The standards and model business practices may incorporate regional or operational differences.
- Regulatory agencies may choose to adopt standards or model business practices, but NAESB will not advocate such action.
- The organization will not monitor for compliance, provide performance measures for compliance, nor will it define sanctions for non-compliance.
- The organization will not advocate before any regulatory body.

Relationship of NAESEB Standards and Model Business Practices to Policy:

- NAESEB does not set policy.
- We defer to state and federal agencies in determining policy.
- Our work products are intended to focus on the implementation of policy decisions by providing a road map for the interactions between the various parties.
- Our standards and model business practices recommend practices for alternative regulatory models but leave the decision as to the appropriate policy or model to the regulators.

NAESB Access to Standards by State Commissions:

- All retail electric and retail gas standards that are state jurisdictional are provided to the National Association of Regulatory Utility Commissioners for distribution to interested state commission staff.
- The NAESB record of minutes, work papers, voting, comments related to the standards are available for review and will be provided upon request to any state commission, including all minority positions noted in comments.
- Related transcripts from EC, Board and other subcommittee or task force meetings are also made available upon request to any state commission and can be purchased by any other interested party.
- Any state commission can join NAESB with membership fees paid by NARUC.

Other Examples of Coordination:

- Department of Energy
 - Surety Assessments
 - Data Privacy Standards
- National Institute of Standards and Technology
 - Smart Grid Standards
- White House Office of Science and Technology Policy
 - Green Button Standards
- National Petroleum Council
 - Gas-Electric Coordination
- American National Standards Institute

Existing Standards Body

Version 3.1 Retail Standards:

Defined Terms

Market Participant Interactions

Electronic Delivery Mechanism

Internet Electronic Transport

Texas Registration Agent

Billing and Payments for Competitive Energy Mkts

Retail Customer Enrollments, Drops and Account Information Change

Retail Customer Enrollments, Drops and Account Information Change (Reg. Agent)

Inquiries

Service Request, Disconnection and Reconnection (Reg. Agent)

Smart Grid Standards – PAPs 03, 04, 09, 10

Enrollment, Drop, and Account Information Change in Demand Response Programs

Supplier Certification

Data Privacy

Open Field Message Bus (OpenFMB)

Creditworthiness

Contracts

Electronic Invoicing

Retail Customer Information

Payment Notification via UET

Disputes Resolution

Demand Response M&V

Energy Efficiency Programs M&V

Net Metering

Last Published: March 31, 2016, Version 3.1

Next Publication: 3rd Quarter 2017

Version 003.1 WEQ Standards:

OASIS Business Practices

OASIS S&CP

OASIS Data Dictionaries

*Coordinate Interchange**

*ACE Equation Special Cases**

*Manual Time Error Correction**

*Inadvertent Interchange Payback**

*Transmission Loading Relief**

Energy Efficiency M & V

Contracts

Standards of Conduct

Gas/Electric Coordination

Public Key Infrastructure

eTariff

Demand Response M & V

Smart Grid

Last Published: September 30, 2015, Version 003.1

▪ July 31, 2012, Version 003, adopted by FERC Sept. 2014 as modified by NAESB final actions ratified Oct. 4, 2012, Nov. 28, 2012 and Dec. 28, 2012 (with minor corrections applied November 26, 2013). October 3, 2014 - FERC Errata to Final Rule (WEQ Version 003) Standards for Business Practices and Communications Protocols for Public Utilities (Docket No. RM05-5-022; Order No. 676-H).

▪ Next Publication: 4th Quarter 2017

** Complementary to NERC reliability standards*

Version 3.0 WGQ Standards:

Common Codes

Creditworthiness

Nominations

Flowing Gas

Invoicing

Electronic Delivery Mechanisms

Capacity Release

Contracts

Internet Electronic Transport

Gas-Electric Coordination

eTariff

Gas Quality

Last Published: November 14, 2014, Version 3.0 (including Nominations Related Standards Manual (Minor Corrections Applied Through June 29, 2015, MC15021 (effective November 25, 2015) and Version Cross Reference - NAESB WGQ Business Practice Standards - Version 3.0 (Revised 1/14/2016)). October 16, 2015, Version 3.0, adopted by FERC with minor corrections applied through June 29, 2015 (Docket Nos. RM96-1-038 and RM14-2-003; Order No. 587W).

Next Publication: 2nd Quarter 2017

Current & Recent Standards Development

2017 Retail Annual Plan Projects:

1. Technical Electronic Implementation of Standards and Data Dictionaries
2. Additional Registration Agent Processes
3. Update Existing Model Business Practices – Consistency
4. OpenFMB Cybersecurity Update
5. DSM/EE Certification
6. Energy Services Provider Interface (Green Button)
7. Update Technical Definitions – Consistency
8. Standards Maintenance

Recent Major Retail Projects:

- Open FMB
 - Initiated in April 2015 in response to request R14008 from Duke Energy
 - Completion Date: 4th Quarter 2015
- Net Metering
 - Initiated in October 2013 as an Annual Plan Item recommended by the NAESB Advisory Council
 - Completion Date: 4th Quarter 2016
- EE Certification
 - Initiated in October 2013 through an Annual Plan Item
 - Completion Date: EE – February 2014
- NAESB Data Privacy Certification
 - Initiated in May 2014 in response to requests from Oncor with support of the PUC of Texas
 - Completion Date: 3rd Quarter 2014

How to Contact NAEESB

Web Site Information and Contacts:

- **Web Site :** www.naesb.org
 - Quadrant Procedures, Bylaws, Certificate for NAESB
 - Calendar of Meetings, Agendas, Work Papers, Comments
 - Board minutes, EC Minutes, How to order Transcripts
 - Standards and Related Work Products
 - Membership Information
- **Contact Information**
 - Phone – 713-356-0060
 - Fax – 713-356-0067
 - Email – naesb@naesb.org
 - For further information on the organization, please contact Veronica Thomason (713-356-0060, naesb@naesb.org)

How To Monitor Activities:

- Monthly Update Calls: https://www.naesb.org//monthly_update.asp
- Review updated annual plans quarterly: <https://www.naesb.org//materials/gov.asp>
- Review Current board minutes : <https://www.naesb.org//weq/default.asp>
- Sign up for email distribution notices on subcommittees of interest:
<https://www.naesb.org//EmailBroadCaster/NAESBLogin.aspx>
- Call NAESB office (713-356-0060, naesb@naesb.org)



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