



# North American Energy Standards Board

1301 Fannin, Suite 2350, Houston, Texas 77002  
Phone: (713) 356-0060, Fax: (713) 356-0067, E-mail: [naesb@naesb.org](mailto:naesb@naesb.org)  
Home Page: [www.naesb.org](http://www.naesb.org)

---

**NORTH AMERICAN ENERGY STANDARDS BOARD  
WEQ EXECUTIVE COMMITTEE MEETING MATERIALS ASSEMBLED**

**Tuesday, August 18, 2009 – 10:00 am to 4:00 pm MT  
El Paso Western Pipeline, Colorado Springs, CO**



# North American Energy Standards Board

1301 Fannin, Suite 2350, Houston, Texas 77002  
 Phone: (713) 356-0060, Fax: (713) 356-0067, E-mail: [naesb@naesb.org](mailto:naesb@naesb.org)  
 Home Page: [www.naesb.org](http://www.naesb.org)

## NORTH AMERICAN ENERGY STANDARDS BOARD WEQ EXECUTIVE COMMITTEE MEETING

Tuesday, August 18, 2009 – 10:00 am to 4:00 pm MT Wholesale Electric Quadrant, Colorado, CO

### Table of Contents

Agenda Item	Document in Materials	Page
1. Welcome		
• Antitrust Guidelines	Antitrust Guidance	1
• Welcome to members and attendees		
• Quorum Establishment: Roll Call of WEQ EC Members and Alternates: <a href="http://www.naesb.org/pdf4/ec_terms.pdf">http://www.naesb.org/pdf4/ec_terms.pdf</a> (EC) and <a href="http://www.naesb.org/pdf4/alt_ec_members.pdf">http://www.naesb.org/pdf4/alt_ec_members.pdf</a> (EC Alt)	WEQ EC Roster WEQ EC Alternate Roster	3 9
• Adoption of WEQ Agenda (simple majority): <a href="http://www.naesb.org/pdf4/weq_ec081809a.doc">http://www.naesb.org/pdf4/weq_ec081809a.doc</a> (REVISED)	Revised Agenda	12
2. Wholesale Electric Quadrant Draft Minutes (simple majority to approve)		
• Adoption of the WEQ EC Meeting Minutes:	5-12-09 Draft Minutes	15
• May 12, 2009: <a href="http://www.naesb.org/pdf4/weq_ec051209dm.doc">http://www.naesb.org/pdf4/weq_ec051209dm.doc</a>	6-8-09 Draft Minutes	23
• June 8, 2009: <a href="http://www.naesb.org/pdf4/weq_ec060809dm.doc">http://www.naesb.org/pdf4/weq_ec060809dm.doc</a>		
3. Subcommittee Updates (meeting materials for updates will be provided by leadership as they are available):		
• Triage Subcommittee: Triage Report <a href="http://www.naesb.org/pdf4/tr073109agenda.doc">http://www.naesb.org/pdf4/tr073109agenda.doc</a>	Triage Report	31
• Business Practices Subcommittee (BPS): Presentation: <a href="http://www.naesb.org/pdf4/weq_ec081809w7.ppt">http://www.naesb.org/pdf4/weq_ec081809w7.ppt</a>	BPS Presentation	33
• TLR		
• Time Inadvertent Management Task Force Presentation <a href="http://www.naesb.org/pdf4/weq_ec081809w1.ppt">http://www.naesb.org/pdf4/weq_ec081809w1.ppt</a>	TIMTF Presentation	38
• DSM-EE Subcommittee: Presentation: <a href="http://www.naesb.org/pdf4/weq_ec081809w3.ppt">http://www.naesb.org/pdf4/weq_ec081809w3.ppt</a> , Draft Scoping Recommendation: <a href="http://www.naesb.org/pdf4/weq_ec081809w2.doc">http://www.naesb.org/pdf4/weq_ec081809w2.doc</a>	DSM-EE Presentation Draft Scoping Recommendation	45 53
• OASIS Subcommittees:		
• Joint Electric Scheduling Subcommittee (JESS)		
• Standards Review Subcommittee (SRS): Presentation: <a href="http://www.naesb.org/pdf4/weq_ec081809w4.ppt">http://www.naesb.org/pdf4/weq_ec081809w4.ppt</a>	SRS Presentation	60
• Glossary Efforts		
4. Review, discuss, identify other changes and vote to approve the minor correction for Market Flow Threshold presented by the WEQ BPS: <a href="http://www.naesb.org/pdf4/weq_ec081809w5.doc">http://www.naesb.org/pdf4/weq_ec081809w5.doc</a> (simple majority vote for EC endorsement of the minor correction)	WEQ Minor Correction	64
5. Review, discuss, identify changes and vote to approve changes to the 2009 Annual Plan to be proposed to the Board of Directors: <a href="http://www.naesb.org/pdf4/weq_ec081809w6.doc">http://www.naesb.org/pdf4/weq_ec081809w6.doc</a> (REVISED), <a href="http://www.naesb.org/pdf4/draft_weq_2009_annual_plan.doc">http://www.naesb.org/pdf4/draft_weq_2009_annual_plan.doc</a> (with Subcommittee Structure Changes) (simple majority vote for EC endorsement of proposed changes to be forwarded for Board approval)	2009 WEQ Annual Plan with BPS Edits 2009 Annual Plan with Subcommittee Structure Changes	66 77



## North American Energy Standards Board

1301 Fannin, Suite 2350, Houston, Texas 77002  
Phone: (713) 356-0060, Fax: (713) 356-0067, E-mail: [naesb@naesb.org](mailto:naesb@naesb.org)  
Home Page: [www.naesb.org](http://www.naesb.org)

### NORTH AMERICAN ENERGY STANDARDS BOARD WEQ EXECUTIVE COMMITTEE MEETING Tuesday, August 18, 2009 – 10:00 am to 4:00 pm MT Wholesale Electric Quadrant, Colorado, CO

#### Table of Contents

Agenda Item	Document in Materials	Page
6. Board of Directors, Board Committee and Regulatory Updates (no votes or action to be taken):		
• Board Updates - (June 25, 2009) - <a href="http://www.naesb.org/pdf4/bd062509dm.doc">http://www.naesb.org/pdf4/bd062509dm.doc</a>	Draft Board Minutes 6-25-09	88
• Wholesale Gas and Retail key activities – WGQ Annual Plan, Retail Annual Plan - <a href="http://www.naesb.org/pdf4/draft_wgq_2009_annual_plan.doc">http://www.naesb.org/pdf4/draft_wgq_2009_annual_plan.doc</a> (WGQ), <a href="http://www.naesb.org/pdf4/draft_retail_2009_annual_plan.doc">http://www.naesb.org/pdf4/draft_retail_2009_annual_plan.doc</a> (Retail)	WGQ 2009 Annual Plan REQ/RGQ Annual Plan	95 100
• Update on Board Retail Structure Review Committee efforts – <a href="http://www.naesb.org/pdf4/rsrc011509w2.doc">http://www.naesb.org/pdf4/rsrc011509w2.doc</a>	REQ/RGQ Retail Restructuring	106
• FERC Efforts:	Smart Grid Update	108
• Smart Grid Effort: Update: <a href="http://www.naesb.org/misc/smart_grid_update_081209.doc">http://www.naesb.org/misc/smart_grid_update_081209.doc</a>		
7. Other Business	Calendar of 2009 Meetings	133
8. Adjourn		

*Attire – Business Casual*



## North American Energy Standards Board

1301 Fannin, Suite 2350, Houston, Texas 77002  
Phone: (713) 356-0060, Fax: (713) 356-0067, E-mail: [naesb@naesb.org](mailto:naesb@naesb.org)  
Home Page: [www.naesb.org](http://www.naesb.org)

---

### NAESB ANTITRUST GUIDELINES STATEMENT

#### ANTITRUST GUIDELINES

- The following guidelines will be reviewed by counsel at the meeting. The meeting will be monitored, transcribed, and minutes will be taken. The guidelines are as follows:

Antitrust guidelines direct meeting participants to avoid discussion of topics or behavior that would result in anticompetitive behavior including: restraint of trade and conspiracies to monopolize, unfair or deceptive business acts or practices, price discriminations, division of markets, allocation of production, imposition of boycotts, and exclusive dealing arrangements.

Any views, opinions or positions presented or discussed by meeting participants are the views of the individual meeting participants and their organizations. Any such views, opinions or positions are not the views, positions or opinions of NAESB, the NAESB Board of Directors, or any NAESB Committee or Subcommittee, unless specifically noted otherwise.

As it is not the purpose of the meeting to discuss any antitrust topics, if anyone believes we are straying into improper areas, please let us know and we will redirect the conversation.



## North American Energy Standards Board

1301 Fannin, Suite 2350, Houston, Texas 77002  
Phone: (713) 356-0060, Fax: (713) 356-0067, E-mail: [naesb@naesb.org](mailto:naesb@naesb.org)  
Home Page: [www.naesb.org](http://www.naesb.org)

### NORTH AMERICAN ENERGY STANDARDS BOARD 2009 EXECUTIVE COMMITTEE TERMS – Wholesale Gas Quadrant

<b>PRODUCERS SEGMENT</b>		<b>TERM END:</b>
Jim Busch	Director of Energy Policy and Regulation, BP Energy Company	12-31-2010
Pete Frost	Director – Regulatory Affairs, ConocoPhillips Gas and Power Marketing	12-31-2010
Chuck Cook	Manager - Regulatory Affairs, Chevron	12-31-2009
Richard D. Smith	Regulatory & Compliance Manager, Noble Energy, Inc.	12-31-2009
Mike Shepard	General Counsel, Mewbourne Oil Company	12-31-2009
<b>PIPELINE SEGMENT</b>		
Bill Griffith	Consultant, El Paso Natural Gas Company	12-31-2011
Kathryn Burch	Project Manager, Standards and Regulatory, Spectra Energy Transmission	12-31-2011
Dale Davis	Consultant, Williams Gas Pipeline	12-31-2010
Randy Young	Vice President - Regulatory Compliance and Corporate Services, Boardwalk Pipeline Partners, LP	12-31-2009
Kim Van Pelt	Regulatory Compliance Manager, Panhandle Eastern Pipe Line	12-31-2009
<b>LOCAL DISTRIBUTION COMPANY (LDC) SEGMENT</b>		
Rodger Schwecke	Director – Energy Markets and Capacity Products, Sempra Energy - Southern California Gas	12-31-2011
<b>V A C A N C Y</b>		12-31-2011
Paul Buckley	Director of Rates and Regulatory Affairs, Washington Gas	12-31-2010
<b>Mike Novak</b>	Assistant General Manager, National Fuel Gas Distribution	12-31-2009
Craig Colombo	Energy Trader III, Dominion Resources	12-31-2009
<b>END USERS SEGMENT</b>		
Kelly Daly	Partner, Stinson Morrison Hecker, LLP (rep. Arizona Public Service Company)	12-31-2010
Valerie Crockett	Senior Energy Markets & Policy Specialist, Tennessee Valley Authority	12-31-2010
Lori-Lynn C. Pennock	Senior Fuel Supply Analyst, Salt River Project	12-31-2009
Dona Gussow	Manager, Contract Administration, Florida Power and Light Company	12-31-2009
Tina Burnett	Natural Gas Operations Administrator, The Boeing Company	12-31-2009
<b>SERVICES SEGMENT</b>		
Steve Abbey	Manager of Regulatory Affairs in the Marketing Department of Anadarko	12-31-2010
Lisa Simpkins	Vice President, Energy Policy – Natural Gas, Constellation Energy Commodities Group	12-31-2010
Leigh Spangler	CEO, Latitude Technologies, Inc.	12-31-2009
<b>Jim Buccigross</b>	Vice President, 8760 Inc.	12-31-2009
Jeff Jarvis	Senior Counsel, EnCana Marketing (USA), Inc.	12-31-2009

**EXECUTIVE COMMITTEE OFFICERS:** Jim Buccigross is WGQ chairman of the Executive Committee, Mike Novak is WGQ vice chairman; Mike Novak is the RGQ chairman, Ruth Kiselewich is the REQ chairman, Kathy York is the WEQ chairman and Matt Goldberg is the WEQ vice chairman.



## North American Energy Standards Board

1301 Fannin, Suite 2350, Houston, Texas 77002  
Phone: (713) 356-0060, Fax: (713) 356-0067, E-mail: [naesb@naesb.org](mailto:naesb@naesb.org)  
Home Page: [www.naesb.org](http://www.naesb.org)

### NORTH AMERICAN ENERGY STANDARDS BOARD 2009 EXECUTIVE COMMITTEE TERMS – Retail Electric Quadrant

<b>SUPPLIERS SEGMENT</b>		<b>TERM END:</b>
Bill Barkas	Manager of Retail State Government Relations, Dominion Retail, Inc.	12-31-2009
V A C A N C Y		12-31-2009
V A C A N C Y		12-31-2010
V A C A N C Y		12-31-2010
<b>DISTRIBUTORS SEGMENT</b>		
Ruth Kiselewich	Director, Demand Side Management Programs, Baltimore Gas & Electric Company	12-31-2009
Patrick Eynon	Supervisor – Retail Access, Ameren Services	12-31-2009
Judy Ray	Industrial Segment Manager – Contract Administrator, Alabama Power Company	12-31-2010
Mary Edwards	Senior Customer Choice Analyst – Regulation and Competition, Dominion Virginia Power	12-31-2010
<b>END USERS SEGMENT</b>		
V A C A N C Y		12-31-2009
V A C A N C Y		12-31-2009
V A C A N C Y		12-31-2010
V A C A N C Y		12-31-2010
<b>SERVICE PROVIDERS SEGMENT</b>		
Jim Minneman	Controller, PPL Solutions, LLC	12-31-2009
Jennifer Teel	Vice President of Client Services, E:SO ( <i>Formerly EC Power</i> )	12-31-2009
Susan Munson	ERCOT Retail Market Liaison, Electric Reliability Council of Texas (ERCOT)	12-31-2010
V A C A N C Y		12-31-2010



## North American Energy Standards Board

1301 Fannin, Suite 2350, Houston, Texas 77002  
Phone: (713) 356-0060, Fax: (713) 356-0067, E-mail: [naesb@naesb.org](mailto:naesb@naesb.org)  
Home Page: [www.naesb.org](http://www.naesb.org)

### NORTH AMERICAN ENERGY STANDARDS BOARD 2009 EXECUTIVE COMMITTEE TERMS – Wholesale Electric Quadrant

TRANSMISSION SEGMENT		TERM END:	SUBSEGMENT:
Patrick McGovern	Manager - System Services, Georgia Transmission Corporation	12-31-2009	Muni/Coop
Wendy D. Weathers	System Operations, Salt River Project	12-31-2010	Fed/State/Prov.
Daryl McGee	Manager – Transmission Services, Southern Company Services	12-31-2010	IOU
Edward Davis	Policy Consultant, Entergy Services, Inc.	12-31-2009	IOU
Mark Hackney	Section Leader of Transmission Services Trading, Arizona Public Service	12-31-2010	at large
Bob Harshbarger	OASIS Trading Manager, Puget Sound Energy	12-31-2009	at large
Michelle Mizumori	Market Interface Manager, Western Electricity Coordinating Council (WECC)	12-31-2009	At-Large
GENERATION SEGMENT			
William J. Gallagher	Special Contracts Chief, Vermont Public Power Supply Authority	12-31-2009	Muni/Coop
<b>Kathy York</b>	Sr. Energy Markets & Policy Specialist, Tennessee Valley Authority	12-31-2010	Fed/State/Prov.
Jalal Babik	Manager – Electric Policy, Dominion Resource Services, Inc.	12-31-2010	IOU
John Ciza	Project Manager Energy Policy and Regulatory Affairs, Southern Company Services	12-31-2009	IOU
V A C A N C Y		12-31-2010	Merchant
Trent Carlson	Vice President – Regulatory Affairs, Reliant Energy Services	12-31-2009	at large
Neal Balu	Director of Transmission Policy, Wisconsin Public Service Corporation	12-31-2009	at large
MARKETERS/BROKERS SEGMENT			
Mack Thompson	Vice President – Power Supply Services, American Municipal Power – Ohio, Inc.	12-31-2010	Muni/Coop
Belinda Thornton	General Manager - Energy Origination, Tennessee Valley Authority	12-31-2009	Fed/State/Prov.
V A C A N C Y		12-31-2010	at large
Richard Lehman	Supply and Trading, Salt River Project	12-31-2009	at large
John Apperson	Director – Commercial and Trading, PacifiCorp Energy	12-31-2010	IOU
Roy True	Manager of Regulatory and Markets Development, ACES Power Marketing	12-31-2009	at large
Barry Green	Barry Green Consulting (representing Electric Power Supply Association (EPSA))	12-31-2009	at large



## North American Energy Standards Board

1301 Fannin, Suite 2350, Houston, Texas 77002  
Phone: (713) 356-0060, Fax: (713) 356-0067, E-mail: [naesb@naesb.org](mailto:naesb@naesb.org)  
Home Page: [www.naesb.org](http://www.naesb.org)

<b>DISTRIBUTION/LOAD SERVING ENTITIES (LSE) SEGMENT</b>		<b>TERM END:</b>	<b>SUBSEGMENT:</b>
Ray Phillips	Manager of Compliance and Special Projects, Alabama Municipal Electric Authority	12-31-2010	Muni/Coop
V A C A N C Y		12-31-2009	at large
Alan Pritchard	Senior Engineer, Duke Energy Corporation	12-31-2010	IOU
Jeffrey C. Mueller	Manager - ERO / RE Policy and Standards Interface, Public Service Electric and Gas Company	12-31-2009	IOU
Robert Martinko	Consultant FERC Compliance, FirstEnergy Service Company	12-31-2010	at large
Syd Berwager	Industry Restructuring Project Manager, Bonneville Power Administration/Power Business Line	12-31-2009	Other
Andy Rodriguez	Manager of Business Practice Coordination, NERC	12-31-2009	At-Large
<b>END USERS SEGMENT</b>			
V A C A N C Y		12-31-2009	at large
Aaron Breidenbaugh	Senior Manager - Regulatory Affairs and Public Policy - New York, EnerNOC, Inc.	12-31-2010	at large
Lou Ann Westerfield	Policy Strategist, Idaho Public Utilities Commission, rep. National Association of Regulatory Utility Commissioners	12-31-2010	Regulator
V A C A N C Y		12-31-2009	at large
V A C A N C Y		12-31-2010	at large
V A C A N C Y		12-31-2009	at large
Paul Sorenson	Director-Central Markets Strategy, Open Access Technology International, Inc.	12-31-2009	At-Large
<b>INDEPENDENT GRID OPERATORS/PLANNERS</b>			
Thomas Bowe	Executive Director – Reliability Integration, PJM Interconnection, LLC	12-31-2010	
Jim Castle	Manager, Grid Operations, New York Independent System Operator, Inc.	12-31-2010	
Matt Goldberg	Director Reliability & Operations Compliance ISO New England, Inc.	12-31-2010	
Anjali Sheffrin	Director Market and Product Development and Chief Economist, California ISO	12-31-2010	
Joel Mickey	Manager Market Operations Support, Electric Reliability Council of Texas	12-31-2009	
Ed Skiba	Technical Manager, Standards Compliance & Strategy, Midwest ISO	12-31-2009	
Charles Yeung	Executive Director Interregional Affairs, Southwest Power Pool	12-31-2009	



## North American Energy Standards Board

1301 Fannin, Suite 2350, Houston, Texas 77002  
Phone: (713) 356-0060, Fax: (713) 356-0067, E-mail: [naesb@naesb.org](mailto:naesb@naesb.org)  
Home Page: [www.naesb.org](http://www.naesb.org)

### NORTH AMERICAN ENERGY STANDARDS BOARD 2009 EXECUTIVE COMMITTEE TERMS – Retail Gas Quadrant

<b>SUPPLIERS SEGMENT</b>		<b>TERM END:</b>
V A C A N C Y		12-31-2009
V A C A N C Y		12-31-2010
V A C A N C Y		12-31-2009
Richard Zollars	Director, Data and Billing, Dominion Retail, Inc.	12-31-2010
V A C A N C Y		12-31-2010
V A C A N C Y		12-31-2009
<b>DISTRIBUTORS SEGMENT</b>		
Dan Jones	Supervisor, Certified Supplier Business Center, Duke Energy	12-31-2009
V A C A N C Y		12-31-2009
Leslie H. Nishida	Manager Gas Regulatory Services, Wisconsin Public Service Corporation	12-31-2009
<b>Michael Novak</b>	Assistant General Manager, National Fuel Gas Distribution Corporation	12-31-2010
V A C A N C Y		12-31-2010
Phil Precht	Management Consultant, Pricing & Regulatory Services Department, Baltimore Gas and Electric Company	12-31-2010
<b>END USERS SEGMENT</b>		
V A C A N C Y		12-31-2010
V A C A N C Y		12-31-2010
V A C A N C Y		12-31-2010
V A C A N C Y		12-31-2009
V A C A N C Y		12-31-2009
V A C A N C Y		12-31-2009
<b>SERVICE PROVIDERS SEGMENT</b>		
V A C A N C Y		12-31-2010
V A C A N C Y		12-31-2010
V A C A N C Y		12-31-2010
V A C A N C Y		12-31-2009
V A C A N C Y		12-31-2009
V A C A N C Y		12-31-2009



## North American Energy Standards Board

1301 Fannin, Suite 2350, Houston, Texas 77002  
Phone: (713) 356-0060, Fax: (713) 356-0067, E-mail: [naesb@naesb.org](mailto:naesb@naesb.org)  
Home Page: [www.naesb.org](http://www.naesb.org)

---

### NORTH AMERICAN ENERGY STANDARDS BOARD 2009 EXECUTIVE COMMITTEE ALTERNATES – Wholesale Gas Quadrant

---

---

#### END USER SEGMENT

---

Paul A. Jones	Senior Marketing Representative, Salt River Project
Art Morris	Gas Originator, Florida Power & Light Company
Kenneth Nordlander	Fuel Procurement, Arizona Public Service Company
Katherine C. Zeitlin	Legal Department, Arizona Public Service Company

---

#### DISTRIBUTION SEGMENT

---

Rick Ishikawa	Interconnect Account Manager in Capacity Products Group, Southern California Gas Company
Phil Precht	Management Consultant, Pricing and Regulatory Services Department, Baltimore Gas and Electric Company
Donald Petersen	Senior Gas Resource Analyst, Pacific Gas and Electric Company
Jim Blasiak	Specialist Federal Regulatory Affairs, Washington Gas Light Company
George Simmons	FERC Specialist, NiSource Inc.
Scott Butler	Project Manager, Energy Markets Policy Group, Consolidated Edison Company of New York, Inc.

---

#### PIPELINE SEGMENT

---

Bill Grygar	Vice President, Panhandle Eastern Pipe Line
Scott Hansen	Questar Pipeline Company
Iris King	Director, Technical and Marketing Support, Dominion Transmission, Inc.
Paul Love	Director, Electronic Customer Services, Natural Gas Pipe Line Company of America
Mark Gracey	Consultant, Tennessee Gas Pipeline Company
Christopher Burden	Consultant e-Commerce & Service Delivery, Williams Gas Pipeline
Tom Gwilliam	Iroquois Gas Transmission System

---

#### PRODUCER SEGMENT

---

David Ogden	Manager, Marketing Administration, Dominion Exploration & Production, Inc.
Rhonda Denton	Regulatory Affairs, BP Energy Company

---

#### SERVICES SEGMENT

---

Keith Sappenfield	Director, US Regulatory Affairs, Midstream and Marketing, EnCana Oil and Gas (USA), Inc.
-------------------	--

---



# North American Energy Standards Board

1301 Fannin, Suite 2350, Houston, Texas 77002  
Phone: (713) 356-0060, Fax: (713) 356-0067, E-mail: [naesb@naesb.org](mailto:naesb@naesb.org)  
Home Page: [www.naesb.org](http://www.naesb.org)

---

**NORTH AMERICAN ENERGY STANDARDS BOARD**  
**2009 EXECUTIVE COMMITTEE ALTERNATES – Retail Electric Quadrant**

---

**DISTRIBUTION SEGMENT**

---

Keith P. Hock	Director ARES Business Center, Ameren Services Company
Ripley Newcomb	Manager – Conservation and Load Management Program, Dominion
William J. Welzant	Principal Supplier Services Analyst, Supplier Account Management, Baltimore Gas and Electric

---

**END USER SEGMENT**

---

**SERVICES SEGMENT**

---

**SUPPLIER SEGMENT**

---



## North American Energy Standards Board

1301 Fannin, Suite 2350, Houston, Texas 77002  
Phone: (713) 356-0060, Fax: (713) 356-0067, E-mail: [naesb@naesb.org](mailto:naesb@naesb.org)  
Home Page: [www.naesb.org](http://www.naesb.org)

### NORTH AMERICAN ENERGY STANDARDS BOARD 2009 EXECUTIVE COMMITTEE ALTERNATES – Wholesale Electric Quadrant

<b>END USER SEGMENT</b>		<b>SUB-SEGMENT</b>
Robert Schwermann	Manager – Customer Care, Open Access Technology International, Inc.	At-Large
<b>DISTRIBUTION/LSE SEGMENT</b>		<b>SUB-SEGMENT</b>
Gerry Adamski	Vice President of Standards, NERC	At-Large
Lee Hall	Coordination Manager – Power Services, Bonneville Power Administration	Other
<b>GENERATION SEGMENT</b>		<b>SUB-SEGMENT</b>
Joel Dison	Project Manager, Southern Company Generation and Energy Marketing	IOU
Lou Oberski	Director – Electric Market Policy, Dominion Resources Services, Inc	IOU
Francis Halpin	Bonneville Power Administration	Fed/State/Prov.
<b>MARKETER/BROKER SEGMENT</b>		<b>SUB-SEGMENT</b>
Jeff Ackerman	Manager, CRSP-Energy Mgmt., Western Area Power Administration	Fed/State/Prov
Brenda Anderson	Bonneville Power Administration	Fed/State/Prov
Valerie Crockett	Energy Markets & Policy Specialist, Tennessee Valley Authority	Fed/State/Prov
<b>TRANSMISSION SEGMENT</b>		<b>SUB-SEGMENT</b>
Barbara Rehman	Policy Development & Analysis, Bonneville Power Administration	Fed/State/Prov.
Tim Ponseti	Tennessee Valley Authority	Fed/State/Prov.
Chuck Feagans	Tennessee Valley Authority	Fed/State/Prov.
Brian Weber	Manager – Transmission Strategy and Policy, PacifiCorp	IOU
Shay Labray	Transmission Strategy Consultant, PacifiCorp	IOU
Jane Daly	Rate & Regulatory Advisor, Arizona Public Service Company	IOU
Marceline Otondo	Regulatory Compliance Advisory, Arizona Public Service Company	IOU
Narinder Saini	Policy Consultant, Entergy Services, Inc.	IOU
J.T. Wood	Southern Company Services	IOU
Dean Ulch	Principal Engineer – Transmission Policy and Services, Southern Company Services, Inc.	IOU
Ross Kovacs	Transmission Strategic Coordinator, Georgia Transmission Corporation	Muni/Coop
W. Shannon Black	Market Issues and Standards Processes Manager, Western Electricity Coordinating Council	at large



## North American Energy Standards Board

1301 Fannin, Suite 2350, Houston, Texas 77002  
Phone: (713) 356-0060, Fax: (713) 356-0067, E-mail: [naesb@naesb.org](mailto:naesb@naesb.org)  
Home Page: [www.naesb.org](http://www.naesb.org)

---

<b>INDEPENDENT GRID OPERATORS/PLANNERS SEGMENT</b>	<b>SUB-SEGMENT</b>
Brent Kingsford	Sr. Operations Regulatory Specialist, California ISO (CAISO)
Paul Wattles	Supervisor Demand Side Programs, Electric Reliability Council of Texas (ERCOT)
Bill Blevins	Sr. Market Support Analyst, Electric Reliability Council of Texas (ERCOT)
Robert Coughlin	Principal Scientist Reliability & Operations Compliance, ISO New England, Inc.
Eric Winkler	Project Manager – FCM and Tariff Administration, ISO New England, Inc.
Cheryl Mendrala	Principal Engineer, ISO New England, Inc.
Jason Marshall	Technical Manager, Midwest ISO
Dean Hartung	Manager Real Time Market Operations, PJM Interconnection, LLC
Cathy Wesley	Sr. Analyst, PJM Interconnection, LLC
Carl Monroe	Sr. Vice President Operations & Chief Operating Officer, Southwest Power Pool
Greg Campoli	Supervisor – Reliability Compliance and Assessment, New York ISO
Diana Pommen	Director Interjurisdictional Affairs, Alberta Electric System Operator
Jimmy Womack	Manager-Tariff Administration, Southwest Power Pool
Shucheng Liu	Ph.D., Principal Market Developer, California ISO (CAISO)
Terry Bilke	Director Standards Compliance and Strategy, Midwest ISO



## North American Energy Standards Board

1301 Fannin, Suite 2350, Houston, Texas 77002  
Phone: (713) 356-0060, Fax: (713) 356-0067, E-mail: [naesb@naesb.org](mailto:naesb@naesb.org)  
Home Page: [www.naesb.org](http://www.naesb.org)

---

### NORTH AMERICAN ENERGY STANDARDS BOARD 2009 EXECUTIVE COMMITTEE ALTERNATES – Retail Gas Quadrant

---

#### DISTRIBUTORS SEGMENT

---

Joe Stengel	Manager, Federal Regulatory Affairs, Philadelphia Gas Works
Mike McShane	Program Leader, Gas Choice Programs, Baltimore Gas and Electric Company

---

#### END USERS SEGMENT

---

---

#### SERVICE PROVIDERS SEGMENT

---

---

#### SUPPLIER SEGMENT

---

Paul Cherevka	Project Manager Data Warehouse, Dominion Retail
---------------	---



## North American Energy Standards Board

1301 Fannin, Suite 2350, Houston, Texas 77002  
Phone: (713) 356-0060, Fax: (713) 356-0067, E-mail: [naesb@naesb.org](mailto:naesb@naesb.org)  
Home Page: [www.naesb.org](http://www.naesb.org)

---

August 13 2009

**TO:** NAESB Executive Committee Members, Alternates, Subcommittee Leadership and Interested Industry Participants  
**FROM:** Rae McQuade, NAESB President  
**RE:** Wholesale Electric Quadrant Executive Committee Meeting Announcement and Draft Agenda with links to Meeting Materials, Notification of Related Meetings -- REVISED

---

*The attached WEQ EC agenda has been revised to provide additional meeting materials and a new item for consideration of a minor correction.*

### NORTH AMERICAN ENERGY STANDARDS BOARD EXECUTIVE COMMITTEE MEETINGS Hosted by El Paso Western Pipeline, Colorado Springs, CO August 18, 2009

First, let me thank El Paso Western Pipeline for their generosity and commitment to the NAESB organization through hosting the Wholesale Electric Quadrant (WEQ) Executive Committee (EC). Without such support, it would be very difficult to maintain the NAESB budget and provide various locations around the country to NAESB in-person attendance meetings.

As we have announced at prior Executive Committee meetings, meeting announcements and in other communications, the WEQ EC will meet in Colorado Springs, CO on August 18, 2009 hosted by El Paso Natural Gas. Please note that Retail EC and Wholesale Gas Quadrant (WGQ) EC meetings have been cancelled at the request of their leadership.

Below are the meeting arrangements for the WEQ EC:

Where: El Paso Western Pipeline Offices, 2 North Nevada Avenue, Colorado Springs, CO  
Contact: Veronica Thomason, 713-356-0060  
When: Tuesday, August 18, 2009 -- 10:00 a.m. to 4:00 p.m. Mountain  
Conference Calling 866-740-1260, Access Code 3560060, Security Code 3785

If you plan to attend the EC meeting by conference call/webcast or in person, please RSVP at your earliest convenience to the NAESB office ([naesb@naesb.org](mailto:naesb@naesb.org)) so that proper meeting arrangements can be made by NAESB and our host. Hotel information will be posted on the NAESB web site on the EC page and can be accessed from the following link: [http://www.naesb.org/WEQ/weq\\_ec.asp](http://www.naesb.org/WEQ/weq_ec.asp). The meeting, conference calling and web casting is open to any interested party.

The materials for the meeting will be emailed to the participants and posted on the web site shortly. In an effort to control costs and be more environmentally aware, we are not printing Executive Committee books any longer although they will be posted in an assembled pdf document for the meeting, in addition to the links to the native formatted documents provided in the agenda. For agenda items where materials are already available and have been sent to you in prior communications, or posted on the web site, the links to those documents are included in the agenda for your convenience, and to help you prepare for the meeting. The links are formatted in blue underlined text. As the meeting approaches, this agenda with additional links to documents will be provided, along with the pdf assembled books.

As always, the chair reserves the right to extend the time of the meeting to ensure that agenda items are addressed. The times indicated on the agenda will be followed to ensure that agenda items are allotted appropriate time slots. Should an agenda item conclude earlier than its stated time slot, the remaining time could be allotted to other agenda items at the discretion of the chair.



## North American Energy Standards Board

1301 Fannin, Suite 2350, Houston, Texas 77002  
Phone: (713) 356-0060, Fax: (713) 356-0067, E-mail: [naesb@naesb.org](mailto:naesb@naesb.org)  
Home Page: [www.naesb.org](http://www.naesb.org)

There are other NAESB subcommittee meetings being held in conjunction with the WEQ EC meeting. They are held at the El Paso Western Pipeline Offices, and are available via conference call and web cast for WEQ OASIS subcommittee meetings, DSM/EE Working Group 3 and upon advance request<sup>1</sup> for WGQ Joint IR/Technical subcommittee meetings. The details are:

Date	Time	Meeting/Location
Tues, August 18	10 am to 4 pm MT	WEQ EC Meeting/El Paso Western Pipeline Conference Call Number: 866-740-1260 Access Code: 3560060 Security Code: 3785 Web Cast: <a href="http://www.readytalk.com">http://www.readytalk.com</a> (please use same codes)
	9 am to 4 pm MT	WGQ Joint IR/Technical (day one)/ El Paso Western Pipeline
Wed, August 19	9 am to 4 pm MT	WGQ Joint IR/Technical (day two)/ El Paso Western Pipeline
	9 am to 5 pm MT	WEQ OASIS subcommittee (day one) / El Paso Western Pipeline Conference Call Number: 866-740-1260 Access Code: 3560061 Security Code: 7342 Web Cast: <a href="http://www.readytalk.com">http://www.readytalk.com</a> (please use same codes)
Thu, August 20	9 am to 4 pm MT	WEQ OASIS subcommittee (day two) / El Paso Western Pipeline Conference Call: Number: 866-740-1260 Access Code: 3560061 Security Code: 7342 Web Cast: <a href="http://www.readytalk.com">http://www.readytalk.com</a> (please use same codes)
<b>CANCELLED</b>	Noon to 2 pm MT	DSM/EE Working Group 3 / El Paso Western Pipeline <sup>2</sup> Conference Call Number: 866-740-1260 Access Code: 3560060 Security Code: 6862 Web Cast: <a href="http://www.readytalk.com">http://www.readytalk.com</a> (please use same codes)

You can access the materials for these meetings from the NAESB web site, at the page specific for the subcommittee noted (WEQ: <http://www.naesb.org/weq/default.asp> and WGQ: <http://www.naesb.org/wgq/default.asp>).

Please feel free to call the NAESB office should you have any questions or comments.

Best Regards, *Rae*

<sup>1</sup> To set up phone call in capability for the WGQ IR/Technical meetings requires request from attendees unable to participate in person. The request should be made at least one week prior to the meeting date to ensure adequate time to set up equipment.

<sup>2</sup> The DSM/EE meeting to review progress and discuss open items for phase 2 standards development for wholesale electric market demand response standards is a conference call/web cast, but for those attending other meetings in Colorado Spring, they are welcome to join the NAESB staff in El Paso Western offices.



## North American Energy Standards Board

1301 Fannin, Suite 2350, Houston, Texas 77002  
Phone: (713) 356-0060, Fax: (713) 356-0067, E-mail: [naesb@naesb.org](mailto:naesb@naesb.org)  
Home Page: [www.naesb.org](http://www.naesb.org)

### NORTH AMERICAN ENERGY STANDARDS BOARD WEQ EXECUTIVE COMMITTEE MEETING DRAFT AGENDA WITH LINKS TO RELEVANT DOCUMENTS – **REVISED (REVISIONS IN RED)**

Tuesday, August 18, 2009 – 10:00 am to 4:00 pm MT Wholesale Electric Quadrant, Colorado, CO

- 
- | # | Agenda Item |
|---|-------------|
|---|-------------|
- 
1. Welcome
    - Antitrust Guidelines
    - Welcome to members and attendees
    - Quorum Establishment: Roll Call of WEQ EC Members and Alternates: [http://www.naesb.org/pdf4/ec\\_terms.pdf](http://www.naesb.org/pdf4/ec_terms.pdf) (EC) and [http://www.naesb.org/pdf4/alt\\_ec\\_members.pdf](http://www.naesb.org/pdf4/alt_ec_members.pdf) (EC Alt)
    - Adoption of WEQ Agenda (simple majority): [http://www.naesb.org/pdf4/weq\\_ec081809a.doc](http://www.naesb.org/pdf4/weq_ec081809a.doc) (**REVISED**)
  2. Wholesale Electric Quadrant Draft Minutes (simple majority to approve)
    - Adoption of the WEQ EC Meeting Minutes:
      - May 12, 2009: [http://www.naesb.org/pdf4/weq\\_ec051209dm.doc](http://www.naesb.org/pdf4/weq_ec051209dm.doc)
      - June 8, 2009: [http://www.naesb.org/pdf4/weq\\_ec060809dm.doc](http://www.naesb.org/pdf4/weq_ec060809dm.doc)
  3. Subcommittee Updates (meeting materials for updates will be provided by leadership as they are available):
    - Triage Subcommittee: **Triage Report** <http://www.naesb.org/pdf4/tr073109agenda.doc>
    - Business Practices Subcommittee (BPS): **Presentation:** [http://www.naesb.org/pdf4/weq\\_ec081809w7.ppt](http://www.naesb.org/pdf4/weq_ec081809w7.ppt)
      - TLR
      - Time Inadvertent Management Task Force **Presentation** [http://www.naesb.org/pdf4/weq\\_ec081809w1.ppt](http://www.naesb.org/pdf4/weq_ec081809w1.ppt)
    - DSM-EE Subcommittee: **Presentation:** [http://www.naesb.org/pdf4/weq\\_ec081809w3.ppt](http://www.naesb.org/pdf4/weq_ec081809w3.ppt), **Draft Scoping Recommendation:** [http://www.naesb.org/pdf4/weq\\_ec081809w2.doc](http://www.naesb.org/pdf4/weq_ec081809w2.doc)
    - OASIS Subcommittees:
      - Joint Electric Scheduling Subcommittee (JESS)
      - Standards Review Subcommittee (SRS): **Presentation:** [http://www.naesb.org/pdf4/weq\\_ec081809w4.ppt](http://www.naesb.org/pdf4/weq_ec081809w4.ppt)
      - Glossary Efforts
  4. **Review, discuss, identify other changes and vote to approve the minor correction for Market Flow Threshold presented by the WEQ BPS:** [http://www.naesb.org/pdf4/weq\\_ec081809w5.doc](http://www.naesb.org/pdf4/weq_ec081809w5.doc) (simple majority vote for EC endorsement of the minor correction)
  5. Review, discuss, identify changes and vote to approve changes to the 2009 Annual Plan to be proposed to the Board of Directors: [http://www.naesb.org/pdf4/weq\\_ec081809w6.doc](http://www.naesb.org/pdf4/weq_ec081809w6.doc) (**REVISED**) (simple majority vote for EC endorsement of proposed changes to be forwarded for Board approval)
  6. Board of Directors, Board Committee and Regulatory Updates (no votes or action to be taken):
    - Board Updates - (June 25, 2009) - <http://www.naesb.org/pdf4/bd062509dm.doc>
    - Wholesale Gas and Retail key activities – WGQ Annual Plan, Retail Annual Plan - [http://www.naesb.org/pdf4/draft\\_wgq\\_2009\\_annual\\_plan.doc](http://www.naesb.org/pdf4/draft_wgq_2009_annual_plan.doc) (WGQ), [http://www.naesb.org/pdf4/draft\\_retail\\_2009\\_annual\\_plan.doc](http://www.naesb.org/pdf4/draft_retail_2009_annual_plan.doc) (Retail)
    - Update on Board Retail Structure Review Committee efforts – <http://www.naesb.org/pdf4/rsr011509w2.doc>
    - FERC Efforts:
      - Smart Grid Effort: **Update:** [http://www.naesb.org/misc/smart\\_grid\\_update\\_081209.doc](http://www.naesb.org/misc/smart_grid_update_081209.doc)
  7. Other Business
  8. Adjourn

*Attire – Business Casual*



## North American Energy Standards Board

1301 Fannin, Suite 2350, Houston, Texas 77002  
Phone: (713) 356-0060, Fax: (713) 356-0067, E-mail: [naesb@naesb.org](mailto:naesb@naesb.org)  
Home Page: [www.naesb.org](http://www.naesb.org)

---

May 12, 2009

**TO:** NAESB Wholesale Electric Quadrant Executive Committee and Interested Industry Participants  
**FROM:** Cory Galik Cummings, NAESB Counsel  
**RE:** WEQ Executive Committee Meeting Draft Minutes

---

**NORTH AMERICAN ENERGY STANDARDS BOARD  
WHOLESALE ELECTRIC QUADRANT (WEQ)  
EXECUTIVE COMMITTEE MEETING  
Hosted by ACES Power – Carmel, Indiana  
Tuesday, May 12, 2009 – 10:00 am to 4:00 pm Eastern  
DRAFT MINUTES**

### 1. Welcome

Ms. York called the meeting to order and welcomed the Wholesale Electric Quadrant (WEQ) Executive Committee (EC) members and other participants. Ms. Cummings gave the antitrust guidance and initiated the roll call of the WEQ EC members. Quorum was established. The other participants, both in attendance and on the phone, introduced themselves.

### 2. Adoption of Wholesale Electric Draft Agenda and Minutes

Wholesale Electric Draft Agenda: Mr. Skiba moved to adopt the agenda as drafted and Mr. Green seconded the motion. The motion passed unanimously without opposition.

The participants reviewed the [draft minutes from the January 27, 2008 WEQ EC meeting](#). Mr. True moved to adopt the minutes as posted. Mr. Hackney seconded the motion. The motion passed without opposition or discussion. The final minutes are available for viewing via the following link:  
[http://www.naesb.org/pdf4/weq\\_ec012709fm.doc](http://www.naesb.org/pdf4/weq_ec012709fm.doc).

The participants reviewed the [draft minutes from the February 3, 2009 WEQ EC meeting](#). Mr. Hackney and Mr. Skiba offered grammatical changes to the minutes. Mr. Hackney moved to adopt the minutes as amended. Mr. Pritchard seconded the motion. The motion passed without opposition or discussion. The final minutes are available for viewing via the following link: [http://www.naesb.org/pdf4/weq\\_ec020309fm.doc](http://www.naesb.org/pdf4/weq_ec020309fm.doc).

### 3. Review and vote on 2008 WEQ Annual Plan Item 6.h/R06006 - "Develop standards to allow for registered Market Operators to request changes to the Market Level profile of Implemented Interchange":

Mr. Skiba provided a review of the [recommendation](#). JISWG discussed this item in January and agreed that this request has already been addressed through e-tagging so there was no additional action to be taken. They offered a no action recommendation. Ms. Crockett moved to accept the recommendation of no action and Mr. Rodriguez seconded the motion. The motion unanimously passed a simple majority vote.

### 4. Review and vote on 2009 WEQ Annual Plan Item 3.d - "FERC Order No. 717 Standards of Conduct":

Mr. Skiba provided a review of the [recommendation](#). FERC Order No. 717 changed posting requirements associated with the Standards of Conduct and the recommendation makes the mandatory requirements for these postings optional. Mr. Skiba moved to approve the recommendation and Mr. Gallagher seconded the motion.

The [SRS comments](#), which offered minor typographical corrections, were accepted by Mr. Skiba and Mr. Gallagher as minor corrections.

The [comments submitted by Southern Company](#) deleted the term "Reserved" from 002-4.3.10.5. This change was accepted as a friendly amendment by Mr. Skiba and Mr. Gallagher.



## North American Energy Standards Board

1301 Fannin, Suite 2350, Houston, Texas 77002  
Phone: (713) 356-0060, Fax: (713) 356-0067, E-mail: [naesb@naesb.org](mailto:naesb@naesb.org)  
Home Page: [www.naesb.org](http://www.naesb.org)

---

Mr. Davis reviewed Entergy's comments. The comments offered a change to 01-21.3.1.2.2 to read:

“Any such waiver of the Biennial Reassessment shall be posted by the Transmission Provider in the same manner as it posts notices of any waivers of tariff provisions that it grants in favor of an affiliate, as described in 18 CFR Part 358.

**[Entergy recommends including some sort of language addressing the posting of waivers because, in accordance with Order 890A at paragraph 585, FERC anticipated some kind of posting to inform similarly situated customers of the waiver as it may be applicable to them. See the references from 890A below.]**

Waiver of the reassessment presents an opportunity for discrimination among classes of customers on the part of the transmission provider and posting will provide eligible customers with an indicator of how often conditions or redispatch requirements have been reassessed. Transmission providers are directed to develop uniform OASIS posting standards, in coordination with NAESB, for transmission providers to post information regarding waivers of the biennial reassessment for planning redispatch and conditional firm service.”

Ms. Otondo was opposed to the change, as she noted that acts of discretion do not have to be posted per FERC Order No. 717. A waiver granted in favor of an affiliate should be posted. Mr. Pritchard concurred with Ms. Otondo's statement. Duke's comments opposed the suggestion submitted by Entergy. Mr. Davis moved to approve Entergy's change to 01-21.3.1.2.2 but the motion failed for lack of a second.

No other motions to amend were made. The motion to accept the recommendation as revised by the friendly amendments passed a super majority vote. The approved recommendation can be found at the following link: [http://www.naesb.org/pdf4/weq\\_ec051209a2.doc](http://www.naesb.org/pdf4/weq_ec051209a2.doc)(redlined).

### **5. Review and discuss 2009 WEQ Annual Plan Item 2.a.ii.3 – “Rollover Rights on Redirect on a Firm Basis”**

Comments for this recommendation are due May 13, 2009. Mr. Wood provided an overview of the recommendation. The recommendation was made to reflect FERC's clarifications in policy regarding the granting of rollover rights to request for Redirect on a Firm Basis in FERC Order Nos. 676, 890 and 890-A. As it was developed it was expanded to change the definition of Unexercised Rollover Rights, and to include the movement of the redirect, original parent path and movement of rollover rights. During its development, the subcommittee discussed the recommendation with FERC staff. It was unanimously voted out of the subcommittee. Ms. Weathers noted that the recommendation differs from FERC policy as she reads the recommendation to provide for customer choice which she considers counter to FERC policy. Mr. Wood stated that FERC guidance did include customer choice as an option. Ms. Cunningham directed participants to the NAESB website for the January 8, 2009 EC conference call for further information.

Ms. McQuade noted that there will be a single topic review conference call followed by a conference call to vote on the recommendation as the above discussion is a preview for both meetings. She urged participants to remember the scope of NAESB and the directive of the EC to develop standards that would strengthen the market.

### **6. Review and discuss 2009 WEQ Annual Plan Item 6.a.2/R08004 – “WEQ-011 Consistency changes to include Introduction and Applicability sections”**

Mr. Skiba provided a review of the recommendation. In December, 2007 WEQ leadership discussed the creation of consistent sections in all WEQ business practice standards, which led to the creation of this recommendation. This item will be voted on at the August WEQ EC meeting.

### **7. Discuss and determine disposition of 2008 WEQ Annual Plan Item 6.b/R07020 – Develop a NAESB time and inadvertent management business practice that provides additional inadvertent payback options and improved time control**

The recommendation failed a February EC vote. The EC should determine whether to remand it to a possible joint task force between NERC and NAESB. Mr. Skiba noted that the task force has been participating in the NERC meetings. They had the coordination between the groups to revive the recommendation. Ms. McQuade noted that



## North American Energy Standards Board

1301 Fannin, Suite 2350, Houston, Texas 77002  
Phone: (713) 356-0060, Fax: (713) 356-0067, E-mail: [naesb@naesb.org](mailto:naesb@naesb.org)  
Home Page: [www.naesb.org](http://www.naesb.org)

---

the WEQ EC could choose to remand the recommendation to the subcommittee for further consideration. Remanding a recommendation back to a subcommittee requires a simple majority vote. The motion to remand the recommendation back to the TIMTF task force was made by Ms. Crockett and seconded by Mr. Skiba. The task force will provide an update for the EC at the August meeting. The motion passed a simple majority vote.

### 8. Discuss and vote (simple majority) in minor corrections

Minor Correction submitted by JISWG on February 2, 2009: [http://www.naesb.org/pdf4/weq\\_ec051209w1.doc](http://www.naesb.org/pdf4/weq_ec051209w1.doc): Mr. Harshbarger provided a review of the minor correction. A review of the standards was conducted to determine which references to e-tag specifications had outdated citations to specific versions. It includes spelling corrections and eliminates references to disbanded work groups. The text that supports next hour service was removed from the specifications but was referenced in the standards. The group discussed changes to WEQ 001-10.8. It was changed to reference Version 1.8 Electronic Tagging Functional Specification. Modification to the minor correction was made during the discussion to correctly reference version 1.8. Mr. Skiba moved to accept the minor correction as modified and Mr. Hackney seconded the motion. The motion unanimously passed a simple majority vote. The approved minor correction can be found at the following link: [http://www.naesb.org/pdf4/weq\\_ec051209a6.doc](http://www.naesb.org/pdf4/weq_ec051209a6.doc).

Minor Correction submitted by NAESB Staff on February 27, 2009: [http://www.naesb.org/pdf4/weq\\_ec051209w2.doc](http://www.naesb.org/pdf4/weq_ec051209w2.doc): Mr. Skiba provided the review of the minor correction. Between submitting the recommendation for member ratification and the final action a few words were inadvertently placed in the final action. Ms. Rager corrected the language. This change will be applied in Version 2.1. Mr. Skiba moved to accept the minor recommendation and Ms. Crockett seconded the motion. The motion unanimously passed a simple majority vote. The approved minor correction can be found at the following link: [http://www.naesb.org/pdf4/weq\\_ec051209a7.doc](http://www.naesb.org/pdf4/weq_ec051209a7.doc).

Minor Correction Submitted by Midwest ISO on March 3, 2009: [http://www.naesb.org/pdf4/weq\\_ec051209w3.pdf](http://www.naesb.org/pdf4/weq_ec051209w3.pdf): Mr. Skiba provided the review of the minor correction which removed sections of WEQ 001-1.5-1.8 as these are requirements not adopted by the FERC in either FERC Orders 676 or 676-C. Ms. Otondo noted that the ESS/ITS subcommittee agreed with the minor correction. Mr. Harshbarger asked if standards should only consist of items approved by FERC. Mr. Wood noted that it was not being removed solely because FERC did not approve it but rather because it reiterates FERC regulatory language. There are no other such reiterations in NAESB standards. A motion to adopt the minor correction was made by Mr. Skiba and seconded by Mr. Sorenson. The motion unanimously passed a simple majority vote.

### 9. Review and vote on recommendation from leadership of ESS/ITS and JISWG

Mr. Skiba provided a review of the [recommendation](#) to restructure to WEQ subcommittees. The recommendation includes the following changes to the WEQ:

- Collapse the WEQ Electronic Scheduling Subcommittee and Information Technology Subcommittee into a single subcommittee named the OASIS Subcommittee.
- Move the Joint Interchange Scheduling Working Group to a subcommittee named the Joint Electric Scheduling Subcommittee
- Move the Seams Subcommittee to the Inactive Subcommittees and Task Forces
- Rename the WEQ Joint BPS/ESS/ITS Meetings on ATC/AFC to the WEQ Joint BPS/OASIS Meetings on ATC to be consistent with merging the ESS/ITS into the OASIS subcommittee.
- Update the NAESB WEQ Committees, Subcommittees, and Task Forces web page as documented in Attachment 2.
- Address additional minor changes documented in Attachment 3, which includes posting the Wholesale Electric Quadrant Executive Committee Organization Structure (see Attachment 4).

Mr. Skiba moved to accept the recommendation, which was seconded by Mr. Hackney. Ms. Weather offered a friendly amendment to add (EC) after WEQ Executive Committee, which was agreed upon by Mr. Skiba and Mr. Hackney. The motion unanimously passed a simple majority vote.



## North American Energy Standards Board

1301 Fannin, Suite 2350, Houston, Texas 77002  
Phone: (713) 356-0060, Fax: (713) 356-0067, E-mail: [naesb@naesb.org](mailto:naesb@naesb.org)  
Home Page: [www.naesb.org](http://www.naesb.org)

---

### 10. Subcommittee Updates

Triage Subcommittee: The majority of the requests were for the Wholesale Gas Quadrant. There was one request submitted by PJM that was assigned to ESS (now the OASIS subcommittee).

Business Practices Subcommittee: Mr. Skiba presented a [power point presentation](#). The BPS has met three times since the last EC meeting and have three meetings scheduled between now and the August EC meeting. They have completed the recommendation for changes to Gas-Electric Coordination standards for consistency and it is currently out for formal comments. They completed the work on FERC Order No. 717, which was voted out of the EC today. BPS recommended that the changes to the NAESB Business Practices related to Annual Plan Item 3(d) be filed with the FERC as soon as they are ratified rather than wait until the Version 2.2 filing in the first quarter of 2010.

DSM-EE Subcommittee: Mr. Winkler started the review. The Business Practice Standards are complete and the IRC has posted a matrix that was created by the ISO/RTOs to satisfy the examples requirements in AP Item 4(a). It contains 2,500 data points related to descriptions of the products and performance methodologies. It consists of 47 different Demand Response products and services active today. Mr. Breidenbaugh noted that at the previous EC meeting, the EC developed the second phase to develop more detailed technical standards. There was an initial meeting in April and since then participants are publicizing the work to be done to attract other interested parties. Another meeting is scheduled for May 18 to discuss procedural items. Mr. True noted that at the May 29 DSM-EE subcommittee meeting, it will be proposed to split DSM-EE into different groups so that the work can be addressed simultaneously. Ms. Cummings provided a review of the retail efforts. The group is currently meeting every week to finalize the retail DR recommendation. A draft of that recommendation will be presented at the May 29 DSM-EE subcommittee meeting and will be voted on by the subcommittee at the July 29 meeting. The retail group has based their standards off of the wholesale standards.

Electronic Scheduling (ESS) and Information Technology (ITS) Subcommittees:

[http://www.naesb.org/pdf4/weq\\_ess\\_its041309progress\\_report.xls](http://www.naesb.org/pdf4/weq_ess_its041309progress_report.xls) (Progress Report),

[http://www.naesb.org/pdf4/order890\\_021109\\_naesb\\_workplan\\_clean.doc](http://www.naesb.org/pdf4/order890_021109_naesb_workplan_clean.doc) (Order No. 890 Work Plan): The majority of their time has been spent on revisions to standards 9.7 but they have also been working on the FERC Order No. 890 work plan. The subcommittee will meet next week to work on the draft recommendation for NITS.

Joint Interchange Scheduling Work Group (JISWG): The subcommittee will be meeting this week to re-write the mission statement to submit for EC approval at the next meeting. They will also review comments on the proposed confidentiality and e-tag 1.8.1 specifications as well as the WEQ 004 coordinate interchange standards.

Standards Review Subcommittee (SRS): Mr. Skiba reviewed the [power point presentation](#). They have met four times since the last EC meeting. They majority of their work has been to review NERC activity for potential new NAESB standards as well as review of formal comments to ensure consistency between recommendations and existing standards. Their next meeting will be held on June 23 and one of the key items to review will be NERC's three year standards development plan which will be posted in late May.

Glossary Efforts: There has been discussion about developing a common glossary so that all WEQ terms are listed in one place. The co-chairs have made a first attempt at developing this glossary. They also plan on creating a list of acronyms to avoid because they may have more than one meaning. They anticipate having the recommendation complete by the end of June.

### 11. Discussion on tools/certification process to support industry compliance of NAESB WEQ standards

Ms. McQuade noted that a decision has not been made on whether or not to create a certification process to support industry compliance of NAESB WEQ standards. It continues to be discussed as the NAESB office receives questions on certification programs, and she noted that several consulting firms are interested in participating in a certification program. On the wholesale gas side, certifiers tend to be industry participants and consulting firms. In response to Mr. Davis, Ms McQuade noted that NAESB would set up certifiers through testing, who would then perform certifications for those interested. This topic will be discussed further at future EC meetings.



## North American Energy Standards Board

1301 Fannin, Suite 2350, Houston, Texas 77002  
Phone: (713) 356-0060, Fax: (713) 356-0067, E-mail: [naesb@naesb.org](mailto:naesb@naesb.org)  
Home Page: [www.naesb.org](http://www.naesb.org)

---

### 12. Review, discuss, identify changes and vote to approve changes to the 2009 Annual Plan to be proposed to the Board of Directors:

The WEQ EC changed several of the completion dates in the Annual Plan. Mr. True moved to adopt the corrections to the 2009 WEQ Annual Plan and Mr. Skiba seconded the motion. The motion unanimously passed a simple majority vote. The redlined Annual Plan can be found via the following link:

[http://www.naesb.org/pdf4/weq\\_ec051209a8.doc](http://www.naesb.org/pdf4/weq_ec051209a8.doc)

### 13. Board of Directors, Board Committee and Regulatory Updates

**Board Updates:** Ms. McQuade urged participants to review the [minutes from the March 26, 2009](#) Board meeting. For membership, several members have discontinued their membership, the majority of which have been reductions by companies with multiple memberships. The Resources Committee group is working diligently to attract new members. The Retail Structure Review Committee presented its [recommendation](#) at the March 26 NAESB Board meeting. The Board deferred reduction of the minimum number of members for a year and will continue to allow an exception for the minimum number of members. The governance documents are under review for changes, which include modifications to the REQ and RGQ bylaws addendums.

**Segment Blocks:** There was some concern with the new policy regarding the new fully populated requirement for segment blocks. It was noted that anytime NAESB submits standards to the FERC it will indicate if a non-fully populated segment would have blocked but for the lack of population.

**Wholesale Gas and Retail Key Activities:** The items that compose the WGQ Annual Plan are nearing completion. The latest WGQ publication is scheduled to be published in September. Retail version 1.1 will be published at the end of June, which will include additional customer choice standards.

**FERC Efforts:** In regards to the FERC NOI on Smart Grid Action Plan, NAESB sent letters to the Department of Energy, FERC and Department of Commerce to explain that NAESB has over 600 OASIS standards and they will be reviewed for consistency and possible changes. Similarly, the demand response standards will be reviewed. NAESB filed the WEQ DR standards with the FERC on April 17, 2009 and has begun to address the second phase to develop more detailed technical standards.

### 14. Adjourn

Mr. Yeung moved to adjourn the meeting. The meeting adjourned at 3:11 p.m. Eastern.



# North American Energy Standards Board

1301 Fannin, Suite 2350, Houston, Texas 77002  
 Phone: (713) 356-0060, Fax: (713) 356-0067, E-mail: [naesb@naesb.org](mailto:naesb@naesb.org)  
 Home Page: [www.naesb.org](http://www.naesb.org)

## 15. Attendance and Voting Record

### May 12, 2009 – WEQ EC Attendance and Voting Record

**ATTENDANCE** 2008 WEQ Annual Plan Item 6.h/R06006 (V1) Motions are included within the meeting minutes. S – indicates an affirmative vote, O indicates a vote in opposition, RB indicates that the voter requested and/or received a notational ballot to cast his or her vote during the notational balloting period, A – indicates an abstention, (NB) – indicates that the vote was made through a notational ballot, a blank cell indicates that the voter was not present when the vote was called.

TRANSMISSION SEGMENT		SUBSEGMENT:	
Phone	S	Patrick McGovern	Georgia Transmission Corporation
In Person	S	Wendy Weathers	Salt River Project
Phone	S	Daryl McGee	Southern Company Services
In Person	S	Mark Hackney	Arizona Public Service
Phone	S	Edward Davis	Entergy Services, Inc.
In Person	S	Bob Harshbarger	Puget Sound Energy
In Person	S	Michelle Mizumori	WECC

GENERATION SEGMENT		SUBSEGMENT:	
Phone	S	William J. Gallagher	Vermont Public Power Supply Authority
Phone	S	Kathy York	Tennessee Valley Authority
In Person	S	Jalal Babik	Dominion Resource Services, Inc.
		John Ciza	Southern Company Services
		Ron Mucci	Entegra Power Group LLC
		Trent Carlson	Reliant Energy, Inc.
In Person	S	Neal Balu	Wisconsin Public Service Corporation

MARKETERS/BROKERS SEGMENT		SUBSEGMENT:	
		Mack Thompson	American Municipal Power
Phone	S	Valerie Crockett alt. for B. Thornton	Tennessee Valley Authority
		VACANCY	
Phone	S	Richard Lehman	Salt River Project



# North American Energy Standards Board

1301 Fannin, Suite 2350, Houston, Texas 77002  
 Phone: (713) 356-0060, Fax: (713) 356-0067, E-mail: [naesb@naesb.org](mailto:naesb@naesb.org)  
 Home Page: [www.naesb.org](http://www.naesb.org)

## May 12, 2009 – WEQ EC Attendance and Voting Record

In Person	S	John Apperson	PacifiCorp Energy	IOU
		Roy True	ACES Power	at large
In Person	O	Barry Green	Electric Power Supply Association (EPSA)	at large
DISTRIBUTION/LOAD SERVING ENTITIES (LSE) SEGMENT				
Phone	S	Ray Phillips	Alabama Municipal Electric Authority	Muni/Coop
		VACANCY		Muni/Coop
In Person	S	Alan Pritchard	Duke Energy Corporation	IOU
		Jeffrey C. Mueller	Public Service Electric and Gas Company	IOU
Phone	S	Robert Martinko	FirstEnergy Service Company	at large
Phone	S	Syd Berwager	Bonneville Power Administration	Other
In Person	S	Andy Rodriguez	NERC	At-Large
END USERS SEGMENT				
		VACANCY		At-Large
		Aaron Breidenbaugh	EnerNOC, Inc.	At-Large
		Lou Ann Westerfield	Idaho Public Utilities Commission, rep. National Association of Regulatory Utility Commissioners	Regulator
		VACANCY		At-Large
		VACANCY		At-Large
		VACANCY		At-Large
In Person	S	Paul Sorenson	Open Access Technology International, Inc.	At-Large

### INDEPENDENT GRID OPERATORS/PLANNERS SEGMENT

In Person	S	Thomas Bowe	PJM Interconnection
Phone	S	Jim Castle	New York Independent System Operator, Inc.
Phone	S	Matt Goldberg	ISO New England, Inc.
Phone	S	Shucheng Liu for A. Sheffrin	California ISO
In Person	S	Joel Mickey	Electric Reliability Council of Texas



# North American Energy Standards Board

1301 Fannin, Suite 2350, Houston, Texas 77002  
 Phone: (713) 356-0060, Fax: (713) 356-0067, E-mail: [naesb@naesb.org](mailto:naesb@naesb.org)  
 Home Page: [www.naesb.org](http://www.naesb.org)

## May 12, 2009 – WEQ EC Attendance and Voting Record

In Person	S	Ed Skiba	Midwest ISO			
In Person	S	Charles Yeung	Southwest Power Pool			
<b>TOTALS</b>	Votes possible	Votes Cast	Percentage Affirmative Votes Cast	Reaching the 40% Segment Affirmative Vote Threshold?	Motion Passing	
	36	Super Majority 26 affirmative 1 in opposition	V1 72%	V1 Y	V1	Passes Super Majority Vote

## Other Participant Attendance

Participant	Organization	Attendance
Kathy Anderson	Idaho Power Company	Phone
Jonathan Booe	NAESB	In Person
Cory Cummings	NAESB	In Person
Deonne Cunningham	NAESB	Phone
Marie Knox	Midwest ISO	In Person
Bill Lohrman	FERC	Phone
Rae McQuade	NAESB	In Person
Marcie Otondo	Arizona Public Service	Phone
Ray Phillips	Alabama Municipal Electric Authority	Phone
Barbara Rehman	Bonneville Power Administration	Phone
Narinder Saini	Entergy	In Person
Veronica Thomason	NAESB	In Person
Jill Vaughn	Preferred Legal	In Person
Paul Wattles	ERCOT	Phone
Eric Winkler	ISO-NE	Phone



## North American Energy Standards Board

1301 Fannin, Suite 2350, Houston, Texas 77002  
Phone: (713) 356-0060, Fax: (713) 356-0067, E-mail: [naesb@naesb.org](mailto:naesb@naesb.org)  
Home Page: [www.naesb.org](http://www.naesb.org)

---

July 27, 2009

**TO:** NAESB Wholesale Electric Quadrant Executive Committee, Alternates, and Interested Industry Participants  
**FROM:** Deonne Cunningham, NAESB Counsel  
**RE:** WEQ Executive Committee Meeting Draft Minutes

---

**NORTH AMERICAN ENERGY STANDARDS BOARD  
EXECUTIVE COMMITTEE CONFERENCE CALL -- WHOLESALE ELECTRIC QUADRANT (WEQ)  
Hosted by NAESB, Houston, Texas  
Monday, June 8 from 1:00 pm to 4:00 pm Central**

### DRAFT MINUTES

#### 1. Welcome

Ms. York opened the meeting and welcomed the meeting participants on the phone. Ms. Cunningham read the antitrust guidelines. Ms. Cunningham called the roster of the WEQ Executive Committee ("EC") members and alternates. Quorum was established. The EC reviewed the draft agenda. Mr. Skiba modified the agenda—Other Business – recommendation for consistency changes to WEQ-011. Mr. Pritchard made a motion to adopt the agenda. Mr. Hackney seconded the motion. The agenda was adopted by consensus. Ms. York stated that she is going to streamline the meeting by asking for amendments to the recommendation rather than reviewing and responding to all of the formal comments first. In doing so, as all have read the comments and are prepared to address the recommendation, they can bring up related comments as part of the discussion on a given motion to amend the recommendation. Comments were provided by the following: [EPSA](#), [OATI WEQ Standards Review Subcommittee \(SRS\)](#), [BPA](#), [Midwest ISO](#), [Entergy](#), [Southern Company \(Mr. McGee\)](#), [Southern Company \(Mr. Wood\)](#), [ISO/RTO group Comments submitted by Mr. Li of IESO](#), and [Co-Chairs of the WEQ Electronic Scheduling and Information Technology Subcommittees \("ESS/ITS"\)](#). Additional comments were provided by [Mr. Sorenson of OATI](#). Late comments were provided by the following: [WEQ ESS/ITS \(Recommendation revised\)](#), [WEQ ESS/ITS \(Recommendation with all Formal Comments\)](#), [WEQ ESS/ITS \(Additional Justification\)](#), and [Mr. Skiba of Midwest ISO](#). The single topic review session was held on June 2, 2009. With this approach and the transcripts taken for the meeting, the documentation should provide for a record of decisions made.

#### 2. Consideration of recommendation for standards, comments submitted and vote on:

**Main Motion (Motion 1):** Mr. Berwager made a motion to adopt the Recommendation for 2009 WEQ Annual Plan 2.a.ii.3- Rollover Rights on Redirect on a Firm Basis. Mr. Hackney seconded the motion.

**Friendly amendment 1 to the main motion:** Ms. Crockett made a friendly amendment to the main motion to adopt the corrections recommended by ESS/ITS with amendments made in the meeting. Mr. Sorenson seconded the motion. Mr. Berwager and Mr. Hackney approved the friendly amendment.

**Discussion on a possible friendly amendment:** Mr. Wood stated that the WEQ ESS/ITS submitted additional comments to the WEQ EC. These additional comments included the consensus of the ESS/ITS for the majority of the comments. Mr. Wood further stated that the ESS/ITS agreed that the comments submitted by Southern Company (Mr. Wood) and ISO/RTO group comments submitted by Mr. Li of IESO should be reviewed and discussed by the WEQ EC separately. The group reviewed and held discussion as it relates to the submitted Recommendation with all Formal Comments. Mr. Wood noted that the Late Comments are noted in blue and are modifications based upon submitted Formal Comments.

Mr. Goldberg inquired as to the procedural process for the WEQ EC's review of the late formal comments submitted by the WEQ ESS/ITS and Mr. Skiba. Ms. McQuade explained that the WEQ EC has the ability to review late formal comments in conjunction with the recommendation being discussed. She noted that it has been the process for subcommittees that have worked on the proposed recommendation to provide explanatory comments for the



## North American Energy Standards Board

1301 Fannin, Suite 2350, Houston, Texas 77002  
Phone: (713) 356-0060, Fax: (713) 356-0067, E-mail: [naesb@naesb.org](mailto:naesb@naesb.org)  
Home Page: [www.naesb.org](http://www.naesb.org)

---

EC's review and discussion. The WEQ ESS/ITS reviewed all formal comments submitted in regards to the proposed recommendation and provided consensus only on those comments that were not substantive in nature. Ms. McQuade stated that if the WEQ ESS/ITS or Mr. Skiba had submitted late comments that were substantive in nature, the EC could determine whether additional time would be needed to review and consider for acceptance.

Mr. Skiba questioned whether the EC should postpone the discussion of this recommendation and post the revised recommendation for a 30-day formal comment period. Ms. York noted that the NAESB staff provided notice of the late comments submitted by the WEQ ESS/ITS on June 4, 2009. As such, the consideration of the recommendation and comments were not postponed.

**Motion 2:** Mr. Berwager and Mr. Hackney made a motion to table the above action pending motion below. There was no opposition.

**Motion 3:** Mr. Goldberg made a motion to consider late comments of the WEQ ESS/ITS subcommittee, NAESB staff and Ed Skiba in consideration of the recommendation. Mr. Skiba seconded the motion. The motion passed unanimously.

**Motion 4:** Mr. Berwager and Mr. Hackney made a motion to untable the above pending motion 1 and friendly amendment 1. There was no opposition.

**Friendly amendment 2 to the main motion:** Mr. Skiba made a friendly amendment to accept late comments as shown by Mr. Skiba with amendments made in the meeting. Mr. Pritchard seconded the motion. Mr. Berwager and Mr. Hackney agreed to the friendly amendment.

**Discussion on a possible friendly amendment:** Mr. Skiba noted that his comments incorporate the modifications suggested by the NAESB and FERC staff to the Additional Justification language in the Supporting Documentation section of the recommendation.

**Friendly amendment 3 to the main motion:** Ms. Weathers made a friendly amendment to add reference of November 2008 EC meeting minutes to additional background documentation in recommendation. Mr. Skiba seconded the motion. Mr. Berwager and Mr. Hackney agreed to the friendly amendment.

**Discussion on a possible friendly amendment:** In review of the recommendation, Ms. Weathers noted that the November 2008 WEQ EC meeting included essential information relating to the recommendation, 2009 WEQ Annual Plan Item 2.a.ii.3- Rollover Rights of Redirects on a Firm Basis. She further noted that the meeting minutes should be inserted as a link in the supporting documentation section of the recommendation.

**Amendment to the main motion:** Ms. Weathers offered an amendment to modify the purpose under 4(c) to reflect 2009 WEQ Annual Plan Item 2 text "Develop business practice standards in support of the FERC RM05-25-000 and RM05-17-000 (OATT Reform)" and remove reference to "Implement FERC Order." Mr. Skiba seconded the motion. Mr. Berwager and Mr. Hackney did not agree to the amendment. With a simple majority vote, the motion passed and the recommendation was revised accordingly.

**Discussion on a proposed amendment to the main motion:** Mr. Wood provided a brief review of the comments that Mr. McGee submitted on behalf of Southern. He noted that Southern had the following two concerns with the recommendation which could possibly conflict with FERC Order No. 890 and 890-A: 1) The ability for the customer to select the path on which rollover rights will exist if the parent reservation is redirected to the end of the term; and the 2) The requirement for the Transmission Service Provider to delay a TSR evaluation. The group held extensive discussion in regards to the submitted comments as it relates to the study metrics requirements as noted in FERC Order No. 890.

Ms. Weathers disagreed that the recommendation is an implementation of FERC Order No. 890. She said that FERC has clearly stated that it has not changed their positions on Rollover of Redirect since FERC Order No. 888 and that the industry was not clear on its position. She noted that the Commission was clear in FERC Orders Nos. 890, 890-A and 676 that once a Transmission Customer redirects to the end of service and rollover rights on the redirect are confirmed, it no longer has rollover rights on the parent reservation.



## North American Energy Standards Board

1301 Fannin, Suite 2350, Houston, Texas 77002  
Phone: (713) 356-0060, Fax: (713) 356-0067, E-mail: [naesb@naesb.org](mailto:naesb@naesb.org)  
Home Page: [www.naesb.org](http://www.naesb.org)

---

**Friendly amendment 4 to the main motion:** Ms. Weathers offered a friendly amendment to renumber 001-9.7.2.1 to 001-9.7.3.1 and make conforming changes. Mr. Pritchard seconded the motion. Mr. Berwager and Mr. Hackney agreed to the friendly amendment.

**Discussion on a possible friendly amendment:** Ms. Weathers commented that 001-9.7.2.1 should be a subsection of 001-9.7.3. She stated that the sections should be renumbered for consistency purposes. Mr. Wood, Ms. Otondo and Mr. Sorenson agreed with her assessment.

**Friendly amendment 5 to the main motion:** Ms. Weathers offered a friendly amendment to strike the phrase “on the Transmission Provider’s system” in 001-9.7 ( A Transmission Customer holding Long-Term Firm Point-to-Point Transmission Service on the Transmission Provider’s system that is eligible for continued rollover rights of service may convey those rights to an alternate...). Mr. Pritchard seconded the motion. Mr. Berwager and Mr. Hackney agreed to the friendly amendment.

**Discussion on a possible friendly amendment:** Ms. Weathers questioned whether the language “Transmission Providers system” as reflected in 001-9.7 and if it was limited to customer rollover rights. Mr. Wood responded that the Transmission Service Provider can not have Firm Point-to-Point service on another Transmission Provider’s system.

**Amendment 2 to the main motion:** Mr. Sorenson offered an amendment to strike the word “subsequently” in WEQ 001-9.7.5. Mr. Pritchard seconded the motion. Mr. Berwager and Mr. Hackney did not agree to the amendment.

**Discussion on a proposed amendment to the main motion:** Mr. Sorenson noted that any request to convey rollover rights less than 12 months, the Transmission Customer shall not be allowed to subsequently waive those rights. Mr. Sorenson noted that in drafting this language in 001-9.7.5, initially the request was viewed as a Long-Term request for Tier 1 service. However, since the duration of the service is less than 12 months, it could be considered to be a short-term request. He stated that for this reason, the term “subsequently” should be removed. Ms. Otondo stated that it is technically correct to include the term “subsequently” in that section.

**Vote on the main motion with two amendments and 5 friendly amendments:** The vote on the motion to adopt the Recommendation for 2009 WEQ Annual Plan 2.a.ii.3- Rollover Rights on Redirect on a Firm Basis as revised with two amendments and five friendly amendments made during the meeting was called. [Vote in section 6 as MI] The result was indeterminate. The motion required a super-majority vote as it was a motion to add new standards, modify or delete existing standards. This motion passed as it did meet the 40% threshold of affirmative votes from all segments. A notational ballot was distributed to the WEQ Executive Committee members who did not cast a vote and requested a notational ballot. It determined that this motion passed both the super majority and 40% threshold; because the motion achieved the 67% super majority requirement and it met the 40% threshold requirement in all segments. The revised recommendation can be accessed via the following link:

[Recommendation for 2009 WEQ Annual Plan Item 2.a.ii.3 – Rollover Rights on Redirects on a Firm Basis – as revised by the WEQ EC 06/08/09 \(Redline\)](#)

#### 4. Other Business

Mr. Skiba stated that the WEQ Business Practice Subcommittee (“BPS”) submitted the 2009 WEQ Annual Plan Item 6.a.2/R08004- WEQ-011 Consistency Changes to include Introduction and Applicability sections for a 30-day formal comment period and for review by the WEQ EC on April 13, 2009. He noted that once the WEQ BPS reviewed the formal comments submitted by industry participants, it was determined by the subcommittee that further work would be necessary on the recommendation.

**Motion 5:** Mr. Skiba made a motion for the EC to remand recommendation 2009 WEQ Annual Plan Item 6(a)(2)/R08004 - WEQ-011 Consistency Changes to include Introduction and Applicability sections back to the subcommittee for review and further work. Mr. Pritchard seconded the motion. The motion passed with no opposition. Ms. McQuade noted that NAESB staff will notify the WEQ EC members, alternates, and industry participants that the recommendation has been remanded back to the WEQ BPS for further work.



## North American Energy Standards Board

1301 Fannin, Suite 2350, Houston, Texas 77002  
Phone: (713) 356-0060, Fax: (713) 356-0067, E-mail: [naesb@naesb.org](mailto:naesb@naesb.org)  
Home Page: [www.naesb.org](http://www.naesb.org)

---

### 5. Adjourn

Mr. Skiba moved to adjourn the meeting. Mr. Green seconded the motion. The meeting adjourned at 4:11 PM Central.



## North American Energy Standards Board

1301 Fannin, Suite 2350, Houston, Texas 77002  
Phone: (713) 356-0060, Fax: (713) 356-0067, E-mail: [naesb@naesb.org](mailto:naesb@naesb.org)  
Home Page: [www.naesb.org](http://www.naesb.org)

### 6. NAESB 2009 WEQ EXECUTIVE COMMITTEE VOTING RECORD AND ATTENDANCE – JUNE 8, 2009

ATTENDANCE	M1	A1	A2	EC MEMBER OR ALTERNATE	MEMBER COMPANY	SUBSEGMENT
<b>TRANSMISSION SEGMENT</b>						
	YB			Patrick McGovern	Georgia Transmission Corporation	Muni/Coop
✓	N	Y	A	Wendy Weathers	Salt River Project	Fed/State/Prov.
✓	AB	Y	Y	JT Wood alt. for Daryl McGee	Southern Company Services	IOU
✓	Y	A	N	Narinder Saini alt. for Edward Davis	Entergy Services, Inc.	IOU
✓	Y	Y	Y	Mark Hackney	Arizona Public Service	at large
✓	YB		Y	Bob Harshbarger	Puget Sound Energy	at large
✓	YB	Y		Michelle Mizumori	WECC	At-Large
<b>GENERATION SEGMENT</b>						
×	YB			William J. Gallagher	Vermont Public Power Supply Authority	Muni/Coop
✓	Y	Y	Y	<b>Kathy York</b>	Tennessee Valley Authority	Fed/State/Prov.
×	YB			Jalal Babik	Dominion Resource Services, Inc.	IOU
✓	AB	Y	A	John Ciza	Southern Company Services	IOU
×	YB			Trent Carlson	Reliant Energy, Inc.	at large
×	YB			Neal Balu	Wisconsin Public Service Corporation	at large
<b>MARKETERS/BROKERS SEGMENT</b>						
✓	YB	Y	A	Chris Norton alt. for Mack Thompson	American Municipal Power- Ohio, Inc.	Muni/Coop
✓	Y	Y	Y	Valerie Crockett alt. for Belinda Thornton	Tennessee Valley Authority	Fed/State/Prov.
✓	AB	Y	A	Richard Lehman	Salt River Project	at large
×	YB			John Apperson	PacifiCorp Energy	IOU
×	YB			Roy True	ACES Power	at large
✓	Y	Y	A	Barry Green	Electric Power Supply Association (EPSA))	at large
<b>DISTRIBUTION/LOAD SERVING ENTITIES (LSE) SEGMENT</b>						
×	YB			Ray Phillips	Alabama Municipal Electric Authority	Muni/Coop
✓	Y		Y	Alan Pritchard	Duke Energy Corporation	IOU
×	YB			Jeffrey C. Mueller	Public Service Electric and Gas Company	IOU
✓	Y		A	Robert Martinko	FirstEnergy Service Company	at large
✓	Y		A	Syd Berwager	Bonneville Power Administration	Other
×	YB			Andy Rodriguez	NERC	At-Large



# North American Energy Standards Board

1301 Fannin, Suite 2350, Houston, Texas 77002  
Phone: (713) 356-0060, Fax: (713) 356-0067, E-mail: [naesb@naesb.org](mailto:naesb@naesb.org)  
Home Page: [www.naesb.org](http://www.naesb.org)

END USERS SEGMENT					SUBSEGMENT
×	YB			Aaron Briedenbaugh	New York, EnerNOC, Inc. at large
×	YB			Lou Ann Westerfield	Idaho Public Utilities Commission, rep. National Association of Regulatory Utility Commissioners
✓	Y	A	Y	Paul Sorenson	Open Access Technology International, Inc. At-Large

INDEPENDENT GRID OPERATORS/PLANNERS					
✓	YB	A	Y	Cathy Wesley alt. for Thomas Bowe	PJM Interconnection
✓		A		Jim Castle	New York Independent System Operator, Inc.
✓	Y	A	A	<b>Matt Goldberg</b>	ISO New England, Inc.
×				Anjali Sheffrin	California ISO
×				Joel Mickey	Electric Reliability Council of Texas
✓	YB	Y	A	Ed Skiba	Midwest ISO
✓	Y	Y	A	Jimmy Womack alt. for Charles Yeung	Southwest Power Pool

TOTALS AS OF 06-08-09:	Votes possible	Votes Cast			Percentage Affirmative Votes Cast			Reaching the 40% Segment Affirmative Vote Threshold?		
		Super Majority M1	Simple Majority A1	Simple Majority A2	M1	A1	A2	M1	A1	A2
TOTAL	35	30 in favor 1 in opposition 3 abstentions 1 votes not cast	14 affirmative 0 in opposition abstention	9 affirmative 1 in opposition 10 abstention	83.33%	66%	64%	Yes	N/A	N/A
RESULTS		PASSED	PASSED	PASSED	PASSED			PASSED	N/A	N/A



## North American Energy Standards Board

1301 Fannin, Suite 2350, Houston, Texas 77002  
Phone: (713) 356-0060, Fax: (713) 356-0067, E-mail: [naesb@naesb.org](mailto:naesb@naesb.org)  
Home Page: [www.naesb.org](http://www.naesb.org)

---

### Motions:

**M1** Recommendation Revised to reflect the action of motion 1: Motion to adopt Recommendation 2009 WEQ Annual Plan Item 2(a)(ii)(3) – Rollover Rights on a Firm Basis as submitted by the WEQ ESS/ITS Subcommittee. (S. Berwager/M. Hackney)

Amendments made and reflected in Motion 1:

#### Friendly Amendments and Amendments

1. Friendly amendment to accept late comments shown in blue or strike throughs in the revised recommendation submitted by the WEQ ESS/ITS Subcommittee with amendments made in the meeting. (V. Crockett/P. Sorenson) – **Accepted** (*No opposition*)
2. Friendly amendment to accept late comments as shown by E. Skiba with amendments made in the meeting. (E. Skiba/A. Pritchard) – **Accepted** (*No opposition*)
3. Friendly amendment to add reference of November 2008 EC meeting minutes to additional background documentation in recommendation. (W. Weathers/E. Skiba) – **Accepted** (*No opposition*)
4. Friendly amendment to renumber 001-9.7.2.1 to 001-9.7.3.1 and make conforming changes. (W. Weathers/A. Pritchard) – **Accepted** (*No opposition*)
5. Amendment to modify the purpose under 4(c) to reflect 2009 WEQ Annual Plan Item 2 text “Develop business practice standards in support of the FERC RM05-25-000 and RM05-17-000 (OATT Reform)” and remove reference to “Implement FERC Order.” (W. Weathers/E. Skiba) – **Accepted**
  - a. Friendly amendment to renumber 001-9.7.2.1 to 001-9.7.3.1 and make conforming changes. (W. Weathers/A. Pritchard) – **Accepted** (*No opposition*)
  - b. Friendly amendment to strike the phrase “on the Transmission Provider’s system” in 001-9.7 ( A Transmission Customer holding Long-Term Firm Point-to-Point Transmission Service on the Transmission Provider’s system that is eligible for continued rollover rights of service may convey those rights to an alternate...) - **Accepted** (W. Weathers/A. Pritchard)

Amendment to strike the word “subsequently” in 001-9.7.5. (P. Sorenson/A. Pritchard) – **Passed** (simple majority)

MOTION RESULT – RECOMMENDATION PASSED -- SUPERMAJORITY VOTE ACHIEVED BY NOTATIONAL BALLOT

**M2** Motion to table the above action pending motion below. (*No opposition*)

**M3** Motion to consider late comments of the WEQ ESS/ITS subcommittee, NAESB staff and Ed Skiba in consideration of the recommendation. (M. Goldberg/E. Skiba) – **Passed** (*No opposition*)

**M4** Motion to untable the above pending motion 1 and friendly amendment 1. (*No opposition*)

**M5** Motion for the EC to remand recommendation 2009 WEQ Annual Plan Item 6(a)(2)/R08004 - WEQ-011Consistency Changes to include Introduction and Applicability sections back to the subcommittee for review and further work. (E. Skiba/A. Pritchard) – **Passed**

### Notes:

- In the voting column, a blank indicates that the EC member did not attend and was not present when the vote was called. A RB indicates that the EC member has requested a ballot to cast his vote in the notational balloting period rather than cast his vote in the meeting, a YB, NB or AB is used to denote ballots received with affirmative, opposition or abstention votes. Their votes will be considered abstentions.



## North American Energy Standards Board

1301 Fannin, Suite 2350, Houston, Texas 77002  
Phone: (713) 356-0060, Fax: (713) 356-0067, E-mail: [naesb@naesb.org](mailto:naesb@naesb.org)  
Home Page: [www.naesb.org](http://www.naesb.org)

- A vote of “Abstain” in the voting column for M1, a super-majority vote, has the same effect as a negative vote and contributes as such to the overall result, but the submitter is casting a vote that is neither in support nor in opposition.
- A notational ballot was sent out June 9, 2009 and the results of the notational ballot were posted June 23, 2009.

### 7. Other Participant Attendance

---

Participant	Organization
Pedro Lagos	Alberta Electric System Operator
Marcie Otondo	Arizona Public Service
Jonathan Booe	NAESB
Deonne Cunningham	NAESB
Rae McQuade	NAESB
Denise Rager	NAESB
Cathy Wesley	PJM Interconnection
Jill Webb	Preferred Legal



## North American Energy Standards Board

1301 Fannin, Suite 2350, Houston, Texas 77002  
Phone: (713) 356-0060, Fax: (713) 356-0067, E-mail: naesb@naesb.org  
Home Page: www.naesb.org

July 31, 2009

Via email and posting

**TO:** NAESB Executive Committee (EC) Members  
**FROM:** NAESB Office  
**cc:** EC Alternates, Mitchell Whitehead  
**RE:** NAESB Triage Actions Pending for R09008 to R09013 **CORRECTED**

Dear Triage Subcommittee and EC members,

We have several requests to triage – R09008 to R09013 -- all provided below as hyperlinks. Please consider this report rather than the one sent to you earlier, as this report contains the highlighted corrected assignment and submitter for request R09011. The NAESB office recommends the following actions:

For [R09008](#), submitted by [Paul Love](#) on behalf of Natural Gas Pipeline Company of America:

This request is (1) found within scope; (2) to be assigned to the Wholesale Gas Quadrant (WGQ); and (3) because it is a request to add two business conditional data elements to the Offer Upload, NAESB WGQ Standard 5.4.7 for Responsibility for Out of Path Overrun and Out of Path Location Changes, the request should be assigned to the WGQ Business Practices Subcommittee (BPS). There was nothing in the request indicating that it should be assigned a high priority, therefore, it should be addressed in the normal course of business of the WGQ BPS.

For [R09009](#), submitted by [Paul Love](#) on behalf of Kinder Morgan Energy Partners

This request is (1) found within scope; (2) to be assigned to the Wholesale Gas Quadrant (WGQ); and (3) because it is a request to add four business conditional data elements to the imbalance trading NAESB WGQ data sets 2.4.11—2.4.16, the request should be assigned to the WGQ BPS. There was nothing in the request indicating that it should be assigned a high priority, therefore, it should be addressed in the normal course of business of the WGQ BPS.

For [R09010](#), submitted by [Mitchell Whitehead](#) on behalf of Boardwalk Pipeline

This request is (1) found within scope; (2) to be assigned to the Wholesale Gas Quadrant (WGQ); and (3) because it is a request to add business conditional data elements 'Location Term Start Date' and 'Location Term End Date' for EBB usage to the data sets: 5.4.1 Offer Download, 5.4.7 Offer Upload and 5.4.9 Offer Upload Notification, the request should be assigned to the WGQ BPS. There was nothing in the request indicating that it should be assigned a high priority, therefore, it should be addressed in the normal course of business of the WGQ BPS.

For [R09011](#), submitted by [Ed Skiba](#) on behalf of **Midwest ISO**

This request is (1) found within scope; (2) to be **assigned jointly to the Wholesale Electric Quadrant (WEQ) and Wholesale Gas Quadrant (WGQ)**; and (3) because it is a request to change the term Power Plant Operator to Power Plant Gas Coordinator in WEQ-011, **the request should be assigned to the WEQ BPS and WGQ BPS**. There was nothing in the request indicating that it should be assigned a high priority, therefore, it should be addressed in the normal course of business of the **WEQ BPS and the WGQ BPS**.

For [R09012](#), submitted by [Mitchell Whitehead](#) on behalf of Boardwalk Pipeline

This request is (1) found within scope; (2) to be assigned to the Wholesale Gas Quadrant (WGQ); and (3) because it is a request to add business conditional data elements 'No-Notice Release Type' and 'No-Notice Release Type Description' for EBB usage to 5.4.1 Offer Download, 5.4.7 Offer Upload and 5.4.9 Offer Upload Notification data sets, the request should be assigned to the WGQ BPS. There was nothing in the request indicating that it should be assigned a high priority, therefore, it should be addressed in the normal course of business of the WGQ BPS.



## North American Energy Standards Board

1301 Fannin, Suite 2350, Houston, Texas 77002  
Phone: (713) 356-0060, Fax: (713) 356-0067, E-mail: [naesb@naesb.org](mailto:naesb@naesb.org)  
Home Page: [www.naesb.org](http://www.naesb.org)

---

For [R09013](#), submitted by [Paul Love](#) on behalf of Natural Gas Pipeline Company of America:

This request is (1) found within scope; (2) to be assigned to the Wholesale Gas Quadrant (WGQ); and (3) because it is a request to add a data element, Bi-directional Indicator to NAESB WGQ Version 1.8 standard 5.4.13- Operationally Available and Unsubscribed Capacity data set, the request should be assigned to the WGQ Business Practices Subcommittee (BPS). There was nothing in the request indicating that it should be assigned a high priority, therefore, it should be addressed in the normal course of business of the WGQ BPS.

If you have any questions on a specific request, please contact the requestor directly -- their email addresses are provided as links with the requests. If you have any concerns on the above actions, please respond via email with your concern stated, and we will convene a conference call for its resolution. If no concerns are raised, then on August 17, triage notes will be posted on the NAESB web site indicating that the Triage Subcommittee and the EC agrees with the above actions, and the requests will be forwarded to the chairs of the subcommittees to which they have been assigned.

# Business Practices Subcommittee Update

August 18, 2009

# WEQ BPS Update

- Meetings
  - May 18, 2009
  - June 16, 2009
  - July 13, 2009
  - August 12, 2009
- Recent Activities
  - Approved Minor Correction to address WEQ AP Item 1.b.ii “Update WEQ-008 Appendix D to include the Market Flow Threshold Percentage recommended by NERC working group/task force”
    - The minor correction completes the subcommittee’s activity for this annual plan item
  - Begun scoping effort for WEQ AP Item 1.b.i “Parallel Flow Visualization/Mitigation for Reliability Coordinators in the Eastern Interconnection”
    - The subcommittee recommends moving the completion date to 2010
    - The subcommittee suggests the NERC/NAESB Joint Coordination Process be initiated to address this Annual Plan Item

## WEQ/WGO BPS Coordination

- Meetings
  - March 12, 2009
  - April 22, 2009
- Upcoming Coordination:
  - WEQ AP Item 5.a.2 - Gas / Electric Communication Consistency Changes (R08004)
  - WEQ AP Item 5.b - Modify NAESB definitions to address internal inconsistencies and inconsistencies with the NERC glossary  
Revise existing NAESB glossary/definition of terms to be applicable to entire set of WEQ Business Practices
  - Standards Request R09011 - Change the term Power Plant Operator to Power Plant Gas Coordinator in WEQ-011
- Status
  - Provided draft changes for WEQ-011 to WGO BPS Co-Chairs
  - Working with Co-Chairs to schedule a joint meeting to review changes and determine next steps
  - Project completion of these annual plan items is 4<sup>th</sup> Q, 2009

# Joint NERC TLRSDT / NAESB BPS Update

- Meetings
  - May 26, 2009
  - July 23, 2009
  - August 25, 2009
- Ongoing Coordination
  - Posted revised draft standards IRO-006.5 and IRO-006-EAST.1 (July 13, 2009)
- Upcoming Activities
  - Review comments to proposed standards IRO-006.5 and IRO-006-EAST.1
  - Post response to comments and revised standards IRO-006.5 and IRO-006-EAST.1
  - Approval of recommendation by the NERC Operating Reliability Subcommittee (ORS) Market Flow Threshold Task Force
- Note:
  - EPSA, NRG, and Constellation Received Request for Rehearing on NERC TLR Standards (awaiting FERC Order)

# Questions/Feedback



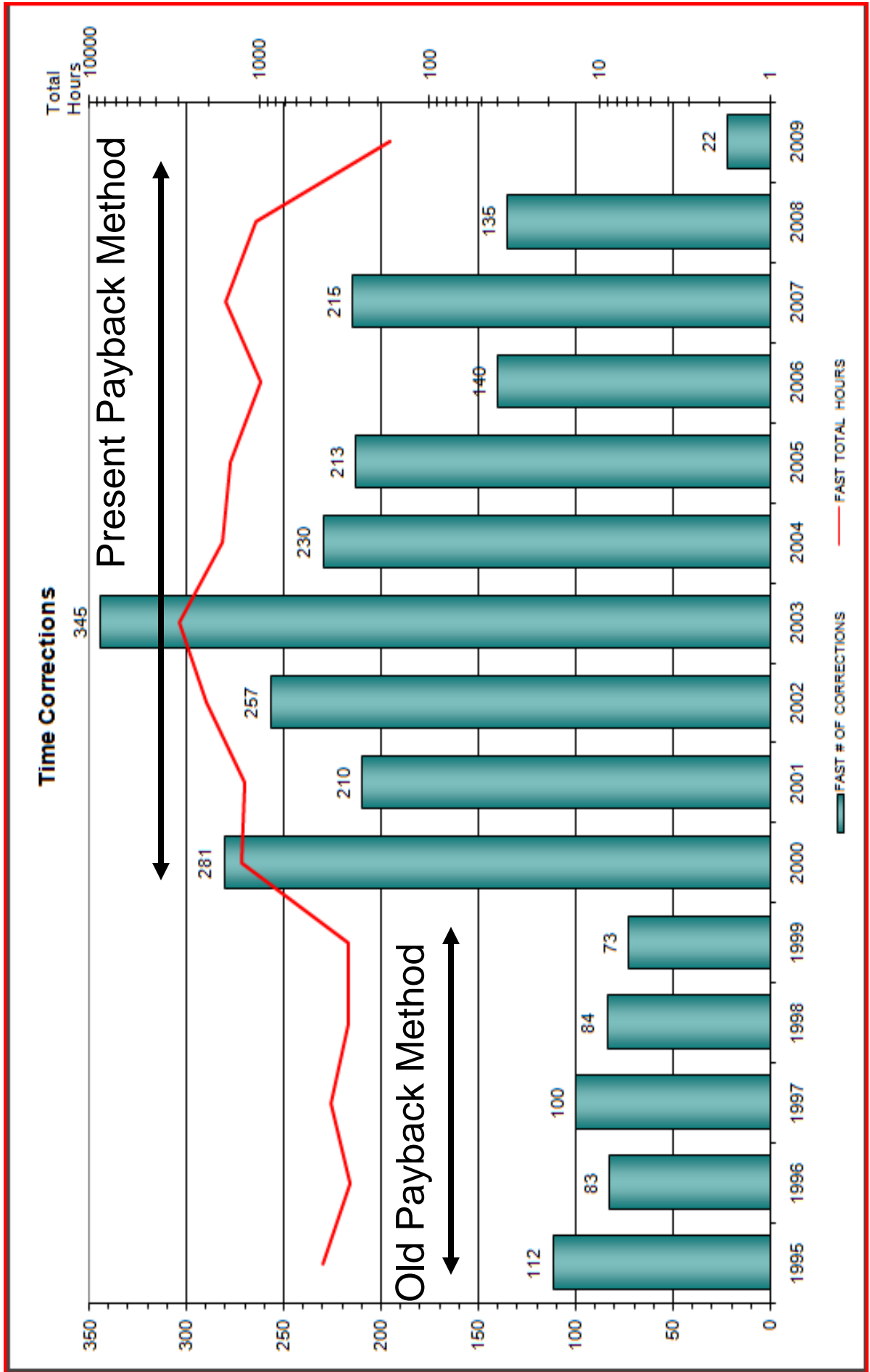
# Introduction

- Intended to be a very targeted business practice to address multiple concerns in Order No. 693
- Originally submitted to NERC, NERC Staff and Standards Committee rejected the SAR saying Time Error Corrections (TEC) and Inadvertent Payback are NAESB's purview
- Relied on proven Time and Inadvertent management practices, comparable to the WECC automatic TEC
- No ERCOT/WECC impact unless they so choose

# FERC's Order No. 693 Concerns

- Address number and efficiency of TECs
- Concerned with frequency excursions  
(nearly half of reported frequency excursions occurred during TEC even though the East is in TEC 15% of the time)
- Wants NERC to reduce and penalize large inadvertent balances
- Asks NERC to investigate alternatives to present TEC practices

# EI TEC Summary 2002 – 2009



# Old Unilateral Payback was the Cornerstone

- Unilateral Payback Option 2 >  
Average Frequency closer to 60 Hz >  
Less Inadvertent passing around >  
Smaller Inadvertent Balances  
Average Frequency closer to 60 Hz >  
Fewer TECs>  
Fewer Frequency Excursions
- This Payback Option was rejected by the EC

# Recent Items

- **NERC BAC Team met with the FERC**
  - FERC Staff appears to be open to alternatives to the Order No. 693 concerns that led to the TIMBP
  - This may mitigate the need for the last draft TIM business practice
- **TIMTF created a tracking matrix that both teams update**
  - TIMTF is participating in BAC Team calls
  - As the BAC Team proposes changes to BAL-002, BAL-004, BAL-005, BAL-006; table is updated
  - TIMTF evaluates whether a complementary business practice is needed

## Potential Issue

- NERC BAC may do field tests that interface with NAESEB business practices
  - No NAESEB process for field tests
  - Field test may cause a deviation of NAESEB business practices (that are generally part of transmission providers' tariffs)
- There will likely be other similar situations in the future, looking for EC guidance

# DSM/EE Scoping Taskforce Update

August 18, 2009

**DRAFT**

# Recent Activities

- Meetings:
  - May 29, 2009
  - July 9, 2009
  - August 6, 2009
  
- Activities
  - Draft recommendations posted for formal comment July 22, 2009.
  - Comments received August 3, 2009
  - Review and discussion of formal comments and revisions to recommendations completed and voted out of the Taskforce August 6, 2009.

# Participation

**Meeting Attendees (Listing is based on those who announced themselves)**

**May 29, 2009**

**DSM/EE subcommittee**

**July 9:**

Cory Galik Cummings  
Sig Peplowski, New York State Department of Public Service  
M. Ethridge - WPPI Energy  
Mark Westendorf  
Neal Allen  
Paul Wattles  
Rob Martinko  
Rae McQuade  
Bill Sexton - New York State Department of Public Service  
Mike Novak  
Ed Garcia - Frontier  
Ed Skiba  
Craig Goodman, National Energy Marketers Association

**August 6:**

Cory Galik Cummings  
Kevin Warren  
Mark Westendorf  
Louis Gathridge  
Deanna Kirn  
Eric Winkler  
Monica Nevius  
John Moore  
Gary Allen  
Mike Novak  
Ed Skiba  
Donna Pratt  
Paul Wattles  
Sig Peplowski  
Eric Stern  
Roy True  
Damon Xenopoulos  
Ken Mont  
Elizabeth Titus

# Recommendations for changes to 2009 Annual Plan R06024

- 4 Review and develop business practices standards to Demand Response, Demand Side Management and Energy Efficiency Programs

Review and develop needed model business practices for a standardized method for quantifying benefits, savings, cost avoidance and/or the reduction in energy demand and usage derived from the implementation of demand side management and energy efficiency programs. This effort will include demand side response, energy efficiency programs and metering, including the 'curtailment service provider' program.

- f) **Develop business practice standards to measure and verify energy reductions that are made to comply with a Renewable Portfolio Standard that included energy efficiency or a stand-alone Energy Efficiency Portfolio Standard.**
  - Status: ~~Not Started~~ (scope to be initiated in 2<sup>nd</sup> Q-2009, after which a completion date will be set). Upon further review, the task force has determined this work will be completed under Annual Plan Item 4g**
  - See 4g Phase 2**
  - WEQ Section/Joint WEQ/REQ DSM-EE Subcommittee

# Recommendations for changes to 2009 Annual Plan R06024

## 4 Review and develop business practices standards to Demand Response, Demand Side Management and Energy Efficiency Programs

### OLD

- g) Develop business practice standards to factor Demand Control and Energy Efficiency programs into reliability / supply decisions at the wholesale level for generation and transmission planning and operations in ISO/RTO footprint areas.

WEQ  
Section/Joint  
WEQ/REQ  
DSM-EE  
Subcommittee

Phase 2

Status: Not Started (Scope to be initiated in 2<sup>nd</sup> Q, 2009, after which a completion date will be set)

### NEW

- g) Develop business practice standards **used to measure and verify reductions in energy and demand from energy efficiency in wholesale and retail markets.<sup>1</sup>**

WEQ  
Section/Joint  
WEQ/REQ  
DSM-EE  
Subcommittee

TBD

Status: **Underway (An estimated completion date will be established in 4<sup>th</sup> Q after the new subcommittee has been formalized)**

<sup>1</sup> Energy efficiency may be a wholesale product, such as capacity. Energy efficiency in retail markets may be from individual energy efficiency measures at the project level or a portfolio of projects that make up an energy efficiency program.

# Recommendations for changes to 2009 Annual Plan R06024

4 Review and develop business practices standards to Demand Response, Demand Side Management and Energy Efficiency Programs

h) Develop business practice standards for cap and trade programs for green house gas

Phase 2

WEQ  
Section/Joint  
WEQ/REQ DSM-  
EE  
Subcommittee

**Status: Not Started (Scope to be initiated in 2<sup>nd</sup> Q. 2009 at the earliest. Upon conclusion of the scoping statement it will be determined whether NAESB standards development is appropriate). Moved to Provisional Item 8. This item will not be addressed until Congress has addressed pending legislation.**

# Upcoming Activities

- **Meetings:**
  - September 30, 2009
- **Ongoing Activities**
  - Formal committee formation
  - Appointment of committee chairs
  - Establishment of workgroups
    - Wholesale (ISO/RT0)
    - Wholesale (non ISO/RT0)
    - Retail, and
    - Glossary
  - Propose meeting schedule

# Questions/Feedback

To: WEQ Executive Committee

From: DSM/EE REQ and WEQ Scoping Task Force,  
Chairs - Eric Winkler (ISO-NE), Neal Allen (Southern Co.)

Date: August 11, 2009

Re: WEQ EC Recommendation

**Background:**

The DSM/EE REQ and WEQ Scoping Task Force was charged by the NAESB Board with determining the scope of work for Items 4(f) , 4(g) and 4(h) in the 2009 annual plan. These items resulting from a NAESB member request , were placed under the same work task major heading (4) in the WEQ as the DSM/EE work plan items. Work plan items may be found on the WEQ 2009 annual work plan as of 5/12/09 [http://www.naesb.org/pdf4/weq\\_ec051209a9.doc](http://www.naesb.org/pdf4/weq_ec051209a9.doc).

To date the Scoping Taskforce has held two conference calls. A number of informal discussions with NAESB staff, US EPA and stakeholders have taken place.

- On May 29, 2009 at the DSM/EE subcommittee meeting in Richmond VA, the Scoping Taskforce was formed with the appointment of Eric Winkler (ISO-NE) and Neal Allen (Southern Co.) as Co-Chairs. At that time it was announced that a conference call would be held in the near future.
- On July 9, 2009 the Taskforce held its first public meeting by conference call and WebEx. Several working documents were prepared by the Chairs for this meeting and are posted on the DSM/EE web page under that meeting date, July 9<sup>th</sup> at <http://www.naesb.org/dsm-ee.asp>. The group considered and discussed the draft scoping papers for each work item and a general DSM/EE scoping document. At this meeting there was representation from WEQ and REQ sectors and an approximate listing of the participants is provided as an attachment. It was agreed at this meeting to open the process up to comment prior to the next meeting.
- On July 22, 2009 the Taskforce posted a request for comments on the prior meeting's work papers, with a due date of August 3<sup>rd</sup>. A copy of the request is attached and two sets of comments received are posted to the DSM/EE web page under the July 22, 2009 announcement.
- On August 6, 2009 the Taskforce held the second conference call and WebEx with nearly 20 participants representing wholesale and retail quadrants and an approximate listing of the participants is provided as an attachment. The meeting agenda, work papers, and minutes are posted to the DSM/EE web page under that date. NAESB also prepared and posted a matrix of the received comments to which the chairs provided responses. An extended discussion of the comments and concerns led directly into formalizing the recommendations to be submitted to

the EC for consideration. The stakeholders voted unanimously to accept the final recommendations for tasks 4(f), 4(g) and 4(h) and these recommendations are attached.

**Action Items:**

1. **Formal committee formation:** Under Item 4(g), for the purpose of developing business practice standards used to measure and verify reductions in energy and demand from energy efficiency in wholesale and retail markets a new subcommittee needs to be formalized.
2. **Appointment of committee chairs:** In support of item 1 above, chairs will need to be established. As per discussion in the August 6, 2009 Taskforce, two chairs from WEQ and REQ each will be named. Chair qualifications shall conform to [NAESB Rules of Procedure for EC Subcommittees as specified in the NAESB Governance document \(IV.A.2.d\)](#).
3. **Establishment of workgroups:** A determination of workgroups and leaders for such workgroups must be agreed. As per discussion on the August 6, 2009 meeting, a suggestion to establish similar workgroups that participated in development of the Demand Response standards be followed, to include but not limited to: Wholesale (ISO/RTO), Wholesale (non ISO/RTO) Retail, and Glossary workgroups. Formation of the workgroups should commence as soon as the whole committee has been formalized.
4. **Propose meeting schedule:** Combining the meeting times with the Demand Response subcommittee may facilitate greater participation in the early phases of the new subcommittee. A discussion of the joint activity should take place.



## North American Energy Standards Board

1301 Fannin, Suite 2350, Houston, Texas 77002  
Phone: (713) 356-0060, Fax: (713) 356-0067, E-mail: [naesb@naesb.org](mailto:naesb@naesb.org)  
Home Page: [www.naesb.org](http://www.naesb.org)

---

**via email and posting**

**TO:** NAESB Wholesale Electric Quadrant (WEQ) Members, DSM-EE Distribution List and posting for Interested Industry Participants  
**RE:** Wholesale Electric and Retail Electric informal request for comments on work papers related to the scope of work NAESB may undertake on Energy Efficiency, Cap and Trade and Renewable Portfolios  
**DATE:** July 22, 2009

---

An informal comment period begins today, Wednesday, July 22, 2009 and ends on August 3, 2009 for the scoping work papers related to Energy Efficiency, Cap and Trade and Renewable Portfolios. The draft work papers are posted and can be accessed from the following links:

Cap and Trade work scoping paper: [http://www.naesb.org/pdf4/dsmee\\_scoping\\_080609w1.doc](http://www.naesb.org/pdf4/dsmee_scoping_080609w1.doc)

Energy Efficiency work scoping paper: [http://www.naesb.org/pdf4/dsmee\\_scoping\\_080609w2.doc](http://www.naesb.org/pdf4/dsmee_scoping_080609w2.doc)

Renewable Portfolios scoping work paper: [http://www.naesb.org/pdf4/dsmee\\_scoping\\_080609w3.doc](http://www.naesb.org/pdf4/dsmee_scoping_080609w3.doc)

All interested parties, regardless of membership status within NAESB are eligible to submit informal comments for consideration. The DSM-EE scoping task force will consider all comments submitted to the NAESB office and determine if changes should be made to the work papers as a result. The comments will be considered on August 6, 2009 at the DSM-EE scoping task force conference call.

To prepare and forward comments, please provide contact information (contact name, company, email address and phone number). The comments should be specific, and if changes are recommended, a rationale should be provided. If language changes are indicated by the comments, the language changes should also be provided, again including a rationale for such. Comments will be posted on the NAESB web site and publicly accessible. The comments should be forwarded to [naesb@naesb.org](mailto:naesb@naesb.org) or faxed to 713-356-0067.

All comments received by the NAESB office by end of business on August 3 will be forwarded to the DSM-EE distribution list for consideration by the DSM-EE scoping task force on August 6, 2009, and will be posted on the NAESB web site. The drafters of the work papers may choose to mark up the papers based on the comments received and the NAESB office will post the consolidated mark-up as a work paper also for consideration on August 6. If you have difficulty downloading the recommendation, please call the NAESB office at (713) 356-0060.

We look forward to your response on August 3 –

Best Regards,

NAESB Office

**DSM/EE Scoping Process – 4.f.**

**Quadrant:** Wholesale Electric Quadrant  
**Recommendation:** 2009 AP Item 4.f – Develop business practice standards to measure and verify energy reductions that are made to comply with a Renewable Portfolio Standard.  
**Submitted By:** DSM/EE Scoping Subcommittee  
**Date:** August 10, 2009

The following illustrates in the 2009 Annual Plan relevant business practice tasks and status as of May 12, 2009.

**4 Review and develop business practices standards to Demand Response, Demand Side Management and Energy Efficiency Programs**

Review and develop needed model business practices for a standardized method for quantifying benefits, savings, cost avoidance and/or the reduction in energy demand and usage derived from the implementation of demand side management and energy efficiency programs. This effort will include demand side response, energy efficiency programs and metering, including the 'curtailment service provider' program.

f)	Develop business practice standards to measure and verify energy reductions that are made to comply with a Renewable Portfolio Standard that included energy efficiency or a stand-alone Energy Efficiency Portfolio Standard.  <b>Status:</b> Upon further review, the task force has determined this work will be completed under Annual Plan Item 4g	See 4g	WEQ Section/Joint WEQ/REQ DSM-EE Subcommittee
----	---	--------	---

### DSM/EE Scoping Process – 4.g.

**Quadrant:** Wholesale Electric Quadrant and Retail Electric Quadrant

**Recommendation:** Scoping Process 2009 AP Item 4.g – Develop business practice standards for measurement and verification of Energy Reductions from Energy Efficiency.

**Submitted By:** DSM/EE Scoping Subcommittee

**Date:** August 10, 2009

The following illustrates in the 2009 Annual Plan relevant business practice tasks and status as of May 12, 2009.

#### 4 Review and develop business practices standards to Demand Response, Demand Side Management and Energy Efficiency Programs

Review and develop needed model business practices for a standardized method for quantifying benefits, savings, cost avoidance and/or the reduction in energy demand and usage derived from the implementation of demand side management and energy efficiency programs. This effort will include demand side response, energy efficiency programs and metering, including the 'curtailment service provider' program.

g)	Develop business practice standards used to measure and verify reductions in energy and demand from energy efficiency in wholesale and retail markets. <sup>1</sup>  <b>Status:</b> Underway (An estimated completion date will be established in 4 <sup>th</sup> Q after the new subcommittee has been formalized)	TBD	WEQ Section/Joint WEQ/REQ DSM-EE Subcommittee
----	---	-----	---

<sup>1</sup> Energy efficiency may be a wholesale product, such as capacity. Energy efficiency in retail markets may be from individual energy efficiency measures at the project level or a portfolio of projects that make up an energy efficiency program.

### DSM/EE Scoping Process – 4.h.

**Quadrant:** Wholesale Electric Quadrant  
**Recommendation:** Scoping Process 2009 AP Item 4.h – Develop business practice standards for cap and trade programs for green house gas  
**Submitted By:** DSM/EE Scoping Subcommittee  
**Date:** August 10, 2009

The following illustrates in the 2009 Annual Plan relevant business practice tasks and status as of May 12, 2009.

#### 4 Review and develop business practices standards to Demand Response, Demand Side Management and Energy Efficiency Programs

Review and develop needed model business practices for a standardized method for quantifying benefits, savings, cost avoidance and/or the reduction in energy demand and usage derived from the implementation of demand side management and energy efficiency programs. This effort will include demand side response, energy efficiency programs and metering, including the 'curtailment service provider' program.

h)	Develop business practice standards for cap and trade programs for green house gas <b>Status:</b> Moved to Provisional Item 8. This item will not be addressed until Congress has addressed pending legislation.	Phase 2	Joint WEQ/REQ DSM-EE Subcommittee
----	---	---------	-----------------------------------

g) Develop business practice standards used to measure and verify reductions in energy and demand from energy efficiency in wholesale and retail markets.<sup>2</sup> **Status:** Underway (An estimated completion date will be established in 4<sup>th</sup> Q after the new subcommittee has been formalized)

TBD      WEQ Section/Joint WEQ/REQ DSM-EE Subcommittee

<sup>2</sup> Energy efficiency may be a wholesale product, such as capacity. Energy efficiency in retail markets may be from individual energy efficiency measures at the project level or a portfolio of projects that make up an energy efficiency program.

**Meeting Attendees** (listing is based on those who announced themselves)

**August 6:**

Cory Galik Cummings  
Kevin Warren  
Mark Westendorf  
Louis Gathridge  
Deanna Kirn  
Eric Winkler  
Monica Nevius  
John Moore  
Gary Allen  
Mike Novak  
Ed Skiba  
Donna Pratt  
Paul Wattles  
Sig Peplowski  
Eric Stern  
Roy True  
Damon Xenopoulos  
Ken Mont  
Elizabeth Titus

**July 9:**

Cory Galik  
Sig Peplowski, New York State Department of Public Service  
M. Ethridge - WPPI Energy  
Mark Westendorf  
Neal Allen  
Paul Wattles  
Rob Martinko  
Rae McQuade  
Bill Sexton - New York State Department of Public Service  
Mike Novak  
Ed Garcia - Frontier  
Ed Skiba  
Craig Goodman, National Energy Marketers Association

# Standards Review Subcommittee Update

August 18, 2009

# Recent Activities

- Meetings:
  - June 23, 2009
  - August 11, 2009
- Ongoing Activities
  - Monthly Review of NERC Activities
  - Review of Recommendations Posted for formal comments - None
- Annual Plan Item 5.f Synchronize Bidding Credit Requirements for FTR, TCC and CRR (R08025)
  - closed (standards request was withdrawn by submitter)
- Provided feedback to NERC on Reliability Standards Development Plan 2009 -2011
  - Identified some NERC projects where coordination could be considered
  - Recommended a review of WEQ-011 to determine if the standards should belong to NERC rather than the WEQ

# Upcoming Activities

- Meetings:
  - September 15, 2009
  - October 13, 2009
- Ongoing Activities
  - Monthly Review of NERC Activities
  - Review of Recommendations Posted for formal comments
- Provide feedback to NERC on Reliability Standards Development Plan 2010 -2012

# Questions/Feedback

- SRS requests others also to look at the NERC activities to assess whether they think NAESB should be developing complementary standards
- SRS seeks continued participation in monthly conference call meetings

## Minor Correction Request

**Quadrant:** Wholesale Electric Quadrant (WEQ)  
**Business Practice:** WEQ-008  
**Submitted By:** WEQ Business Practices Subcommittee  
**Date:** August 12, 2009

---

The WEQ Business Practices Subcommittee (BPS) is requesting that the Executive Committee (EC) modify the WEQ Business Practice WEQ-008 to support the recommendation from NERC that the market flow threshold be changed from zero percent to five percent. This minor correction will address WEQ Annual Plan Item 1.b.ii "Update WEQ-008 Appendix D to include the Market Flow Threshold Percentage recommended by NERC working group/task force."

### Background Information

The WEQ BPS is recommending that this minor correction be approved by the WEQ EC in response to the results of the NERC Operating Reliability Subcommittee (ORS) Market Flow Threshold Task Force. The Task Force was charged with reviewing the results of the field test and providing a recommendation to the NERC ORS and NERC TLR Standards Drafting Team. The objective of the field test was to determine a market flow threshold that will allow the three markets (Midwest ISO, PJM and SPP) to consistently meet their relief obligations during TLR.

Based on discussions held with the NERC ORS Market Flow Threshold Task Force representatives, draft meeting minutes from the July 23, 2009 NERC TLR Standards Drafting Team, and email exchanges between the BPS co-chairs and ORS Chair, we anticipate these groups will approve the five percent curtailment threshold. This approval will constitute NERC agreement that the change to the five percent curtailment threshold will address the reliability concern of the markets being unable to consistently meet their relief obligations under the zero percent curtailment threshold.

The WEQ BPS is proposing this minor correction to stay in lock step with NERC in addressing reliability concerns.

### Minor Correction Changes

WEQ-008-1.4 - Delete the section heading and text and mark the section number as "RESERVED"

WEQ-008 Appendix D - Delete the appendix heading and text and mark the appendix as "RESERVED"<sup>1</sup>

---

<sup>1</sup> WEQ-008 Appendix D was originally added to the NAESB TLR Business Practice Standards to document Midwest ISO, PJM, and SPP use of a curtailment threshold percent which is different from the rest of the Eastern Interconnection. The recommendation to be approved by NERC will result in the percentage being the same for the entire Eastern Interconnection.

## **Timing of Changes**

### **NERC Timing**

- The NERC TLR Standards Drafting Team is expected to approve the five percent curtailment threshold recommendation when it meets on August 25, 2009.
- The NERC ORS is expected to approve the five percent curtailment threshold recommendation when it meets on September 1, 2009.
- Following these approvals an informational presentation will be made to the NERC Operating Committee on September 15, 2009
- An informational presentation will be made to the NERC Standards Committee during either their September or October 2009 meeting.

### **NAESB**

- Upon approval of this minor correction, NAESB will hold the minor correction in abeyance until the NERC approval of the five percent curtailment threshold.
- The minor corrections will be applied to Version 1.0, Version 2.0, and Version 2.1 of the NAESB WEQ Business Practice Standard only after the NERC approval of the five percent curtailment threshold. Once the minor corrections have been applied they will be filed with the FERC.

### **Other Considerations**

As Appendix D includes components other than the Market Flow Curtailment Threshold, the WEQ Business Practices Subcommittee will review the WEQ-008 Appendix D Regional Difference to determine if any components of it may be included in the recommendation to support 2009 WEQ Annual Plan 1.b.i "Parallel Flow Visualization/Mitigation for Reliability Coordinators in the Eastern Interconnection."



# North American Energy Standards Board

1301 Fannin, Suite 2350, Houston, Texas 77002  
Phone: (713) 356-0060, Fax: (713) 356-0067, E-mail: naesb@naesb.org  
Home Page: [www.naesb.org](http://www.naesb.org)

## NORTH AMERICAN ENERGY STANDARDS BOARD

NAESB 2009 WEQ Annual Plan as approved by the Board on June 25, 2009

With Redlined Changes Suggested by WEQ Leadership Business Practice Subcommittee, July 17 August 12, 2009

Item Description	Completion <sup>1</sup>	Assignment <sup>23</sup>
<b>1 Develop business practices standards as needed to complement reliability standards</b>		
Develop business practice standards to support and complement NERC reliability standards, NERC policies and NERC standards authorization requests (SARs) using the NERC/NAESB Coordination Joint Standards Development Process as appropriate. Current NAESB activities underway to develop business practice standards that are supportive of this annual plan item are:		
a) Develop business practices to support Coordinate Interchange – <a href="#">R05020</a> “Include a guideline for rounding schedules with partial MWh’s in the coordinate interchange business practice WEQ BPS-002-000” the rounding standard recommendation	3 <sup>rd</sup> Q, 2009	JISWG
Status: Underway - <a href="#">20090716 on track to get a WEQ-004 recommendation developed 3Q 2009</a>		
<b>b) Continuous support of TLR Procedure in alignment with NERC efforts on TLR Phase II and Phase III development.</b>		
i) Parallel Flow Visualization/Mitigation for Reliability Coordinators in the Eastern Interconnection.	<del>4<sup>th</sup> Q, 2009</del> <a href="#">20092010</a>	BPS
Note: Activity is dependent on NERC approval of SAR expected in 2 <sup>nd</sup> Q, 2009. Upon approval of the SAR and NAESB action on this item, consideration should be given to provisional item 4.		
Status: Not Started		
ii) Update WEQ-008 Appendix D to include the Market Flow Threshold Percentage recommended by NERC working group/task force	<del>4<sup>th</sup> Q, 2009</del> <a href="#">20093<sup>rd</sup> Q, 2009</a>	BPS
Status: <del>Not Started (dependent on successful field test – expected Oct. 2009)</del> <del>Upon receipt of recommendation, completion date may be adjusted.</del> <a href="#">Completed. The WEQ BPS voted a minor correction out of subcommittee on August 12, 2009</a>		
c) Conduct analysis as to whether standards can be developed which outline a standardized process for the coordination and execution of emergency energy schedules. These would be complementary standards to EOP-002-2 Requirements R4 and R6 ( <a href="#">SRS Analysis of EOP-002-2 R4 &amp; R6</a> )	1 <sup>st</sup> Q, 2009	JISWG
Status: Completed and as a result item (3)(a)(viii) has been added to the plan		
d) Time Error and Inadvertent (BAL-004 and BAL-006) Coordination with NERC	2011	TIMTF
Status: Not Started (Upon initiation of this item by NAESB, a completion date will be determined. The date of 2011 is based on a completion date provided in the NERC BAC project schedule which includes extensive field testing and diverse proposed TIMTF directions to be reconciled in subcommittee meetings.)		



# North American Energy Standards Board

1301 Fannin, Suite 2350, Houston, Texas 77002  
Phone: (713) 356-0060, Fax: (713) 356-0067, E-mail: [naesb@naesb.org](mailto:naesb@naesb.org)  
Home Page: [www.naesb.org](http://www.naesb.org)

## NORTH AMERICAN ENERGY STANDARDS BOARD

NAESB 2009 WEQ Annual Plan as approved by the Board on June 25, 2009

With Redlined Changes Suggested by WEQ Leadership Business Practice Subcommittee, July 17 August 12, 2009

Item Description	Completion <sup>1</sup>	Assignment <sup>23</sup>
<p>e) DCS and AGC (BAL-002 and BAL-005) Coordination with NERC</p> <p>Status Not Started (Upon initiation of this item by NAESB, a completion date will be determined. The date of 2011 is based on a completion date provided in the NERC BAC project schedule which includes extensive field testing and diverse proposed TIMTF directions to be reconciled in subcommittee meetings.)</p>	2011	TIMTF
<p><b>2 Develop business practice standards in support of the FERC RM05-25-000 and RM05-17-000 (OATT Reform)</b></p>		
<p>a) Develop version 2 business practice standards to better coordinate the use of the transmission system among neighboring transmission providers. Such business practice standards would be based on recommendations from NERC's Long Term ATC/AFC Task Force and would involve revised procedures for the ATC calculation and/or revised protocols as determined by the final order.</p>		
<p>Status: Underway</p>		
<p>Development is using joint standards development process with NERC. Request R050004 was expanded to include the Order No. 890 (<a href="#">Docket Nos. RM05-25-000 and RM05-17-000</a>) and <a href="#">Order No. 890-A (Docket Nos. RM05-17-001, 002 and RM05-25-001, 002)</a>, "Preventing Undue Discrimination and Preference in Transmission Services," issued April 11, 2007).</p>		
<p>i) Group 3: Network Service On OASIS</p>		
<p>1. Use of OASIS to Make Electronic Requests to Designate and Terminate Network Resource</p> <p>Status: Underway</p>	4 <sup>th</sup> Q, 2009	ESS/ITS
<p>2. Ability to Query Requests to Designate and Terminate Network Resources and Allow for Queries of All Information Provided with Designation Requests</p> <p>Status: Underway</p>	4 <sup>th</sup> Q, 2009	ESS/ITS
<p>3. Masking of Designated Network Resource Operating Restrictions and Generating Cost Information</p> <p>Status: Underway</p>	4 <sup>th</sup> Q, 2009	ESS/ITS
<p>4. Procedural Requirements for Submitting Designations over new OASIS Functionality</p> <p>Status: Underway</p>	4 <sup>th</sup> Q, 2009	ESS/ITS
<p>5. Specify How Designated Network Service Informational Postings are Posted on OASIS</p> <p>Status: Underway</p>	4 <sup>th</sup> Q, 2009	ESS/ITS



# North American Energy Standards Board

1301 Fannin, Suite 2350, Houston, Texas 77002  
Phone: (713) 356-0060, Fax: (713) 356-0067, E-mail: [naesb@naesb.org](mailto:naesb@naesb.org)  
Home Page: [www.naesb.org](http://www.naesb.org)

## NORTH AMERICAN ENERGY STANDARDS BOARD

NAESB 2009 WEQ Annual Plan as approved by the Board on June 25, 2009

With Redlined Changes Suggested by WEQ Leadership Business Practice Subcommittee, July 17 August 12, 2009

	Item Description	Completion <sup>1</sup>	Assignment <sup>23</sup>
	6. Develop standards for the treatment of OASIS Requests when the Customer Fails to Provide the Necessary Attestation  Status: Underway	4 <sup>th</sup> Q, 2009	ESS/ITS
	7. Procedural Requirements for Submitting Both Temporary and Indefinite Terminations of Network Resources  Status: Underway	4 <sup>th</sup> Q, 2009	ESS/ITS
	8. Procedures for Submitting and Processing Requests for Concomitant Evaluations of Transmission Requests and Temporary Terminations  Status: Underway	4 <sup>th</sup> Q, 2009	ESS/ITS
ii)	Group 4: Pre-Emption; Request No. R05019; and Revisions to Standard 9.7		
	1. Pre-Emption  Status: Not Started	4 <sup>th</sup> Q, 2009	ESS/ITS
	2. Request No. R05019  Status: Not Started	4 <sup>th</sup> Q, 2009	ESS/ITS
	3. Modify WEQ-001-9.7 Rollover Rights for Redirect on a Firm Basis  Status: Completed	2 <sup>nd</sup> Q, 2009	ESS/ITS
iii)	Group 5: Paragraph 1377		
	1. Paragraph 1377  Status: Not Started	4 <sup>th</sup> Q, 2009	ESS/ITS
	2. Re-Bid Of Partial Service across Multiple Transmission Providers' Systems  Status: Not Started	4 <sup>th</sup> Q, 2009	ESS/ITS
iv)	Group 6: Miscellaneous (Paragraphs 1390 and 1627 of Order 890)		
	1. Paragraph 1390 of Order 890  Status: Not Started	4 <sup>th</sup> Q, 2009	ESS/ITS
	2. Paragraphs 1627 of Order 890  Status: Not Started	4 <sup>th</sup> Q, 2009	ESS/ITS
	3. Redispatch Cost Posting to allow for posting of third party offers of planning redispatch services.  Status: Not Started	4 <sup>th</sup> Q, 2009	ESS/ITS



# North American Energy Standards Board

1301 Fannin, Suite 2350, Houston, Texas 77002  
Phone: (713) 356-0060, Fax: (713) 356-0067, E-mail: [naesb@naesb.org](mailto:naesb@naesb.org)  
Home Page: [www.naesb.org](http://www.naesb.org)

## NORTH AMERICAN ENERGY STANDARDS BOARD

NAESB 2009 WEQ Annual Plan as approved by the Board on June 25, 2009

With Redlined Changes Suggested by WEQ Leadership Business Practice Subcommittee, July 17 August 12, 2009

Item Description	Completion <sup>1</sup>	Assignment <sup>23</sup>
b) Develop the needed business practices as companion to the NERC standards for ATC related efforts		
i) Develop standards to support existing Request No. <a href="#">R05004</a> .		
1. The processing of transmission service requests, which use TTC/ATC/AFC, in coordination with NERC changes to MOD 001 where the allocation of flowgate capability based on historical Network Native Load impacts the evaluation of transmission service requests, requiring the posting of those allocation values in conjunction with queries of service offerings on OASIS	4 <sup>th</sup> Q, 2009	ESS/ITS
Status: Underway		
<b>3 Develop business practices standards to improve the current operation of the wholesale electric market and develop and maintain business practice and communication standards for OASIS and Electronic Scheduling</b>		
a) Develop and/or maintain business practice standards as needed for OASIS and electronic scheduling. Specific items to address include:		
i) Network Services: Determine and develop needed business practice standards or other support is needed to support use of OASIS for Network Service transactions ( <a href="#">R04006E</a> ). (Related to AP 2(a)(iii))	4 <sup>th</sup> Q, 2009	ESS/ITS
Status: Underway		
ii) Registry (TSIN): Determine and develop needed business practice standards to support the registry functions currently supported by NERC ( <a href="#">R04037</a> , <a href="#">R06027</a> ).		
1) Work with the NAESB counsel to develop a confidentiality agreement, ( <a href="#">R07013</a> )	<del>3<sup>rd</sup></del> 4 <sup>th</sup> Q, 2009	JISWG
Status: Underway – <a href="#">20090716 needs cover letter for informal comment posting – move completion to 4Q 2009</a>		
2) Transition the TSIN Registry from NERC to NAESB as the enhanced Electric Industry Registry (EIR), ( <a href="#">R06027</a> ).	4 <sup>th</sup> Q, 2009	NAESB/NERC Administration, JISWG
Status: Underway		
iii) Document procedures used to implement the displacement/interruption terms of the Pro Forma tariff ( <a href="#">R05019</a> ).	4 <sup>th</sup> Q, 2009	ESS/ITS
Status: Deleted as a duplicate of 2009 AP item 2.a.ii.2		
iv) Make remaining incremental enhancements to OASIS as an outgrowth of the NAESB March 29, 2005 conference on the future of OASIS ( <a href="#">R05026</a> ).		
Scoping <a href="#">statement</a> completed by SRS and assignments made to BPS and ESS/ITS.		



# North American Energy Standards Board

1301 Fannin, Suite 2350, Houston, Texas 77002  
Phone: (713) 356-0060, Fax: (713) 356-0067, E-mail: [naesb@naesb.org](mailto:naesb@naesb.org)  
Home Page: [www.naesb.org](http://www.naesb.org)

## NORTH AMERICAN ENERGY STANDARDS BOARD

NAESB 2009 WEQ Annual Plan as approved by the Board on June 25, 2009

With Redlined Changes Suggested by WEQ Leadership Business Practice Subcommittee, July 17 August 12, 2009

	Item Description	Completion <sup>1</sup>	Assignment <sup>23</sup>
1)	Eliminate Masking of TSR tag source and sink when requested status is denied, withdrawn refused, displaced, invalid, declined, annulled or retracted  Status: Not Started	4 <sup>th</sup> Q, 2009	ESS/ITS
2)	Initiate standard that eliminates the disparity of posting "sensitive" information. This standard should also include procedures of user certification that allows access to this class of information.  Status: Underway (upon further development of this item by NAESB, a completion date will be determined)	2010	ESS/ITS
3)	Enhance the TSR result postings to allow showing of (i) limiting transmission elements and (ii) available generation dispatch options that would allow acceptance of reservation request.  Status: Not Started (upon initiation of this item by NAESB, a completion date will be determined)	2010	ESS/ITS
v)	Develop, coordinate interoperability testing, and implement e-Tag version 1.8.1  Status: Underway – <u>20090716 discussed rough time frames laid out needs test plans drafted</u>	4 <sup>th</sup> Q, 2009	JISWG
vi)	Transition e-Tag Specification and schema to NAESB  Status: Complete. Version 1.8.1 will be identified as the NAESB Electronic Tagging Functional Specification	1 <sup>st</sup> Q, 2009	JISWG
vii)	Review and correct the WEQ-004 Coordinate interchange Business Practice Standard as noted during the development of the e-Tag 1.8 development process.  Status: Underway – <u>20090716 going out for informal comments vote out of JISWG Sept 1<sup>st</sup> meeting</u>	3 <sup>rd</sup> Q, 2009	JISWG
viii)	Review and correct WEQ-004 Coordinate Interchange Business Practice Standard as needed based on activities in NERC Project 2008-12, Coordinate Interchange Standards Revisions and supporting EOP-002-2 R4 and R6. [note: this is a new item]  Status: Not started – dependent on NERC activity (upon initiation of this item by NAESB, a completion date will be determined)	2010	JISWG
b)	Develop and/or maintain standard communication protocols and cyber-security business practices as needed.		
i)	Develop PKI certification program for e-Tag and OASIS  Status: Not Started (upon initiation of this item by NAESB, a completion date will be determined)	2009	Board Certification Program Committee



# North American Energy Standards Board

1301 Fannin, Suite 2350, Houston, Texas 77002  
Phone: (713) 356-0060, Fax: (713) 356-0067, E-mail: [naesb@naesb.org](mailto:naesb@naesb.org)  
Home Page: [www.naesb.org](http://www.naesb.org)

## NORTH AMERICAN ENERGY STANDARDS BOARD

NAESB 2009 WEQ Annual Plan as approved by the Board on June 25, 2009

With Redlined Changes Suggested by WEQ Leadership Business Practice Subcommittee, July 17 August 12, 2009

Item Description	Completion <sup>1</sup>	Assignment <sup>23</sup>
ii) Develop PKI standards for OASIS.  Status: Not Started (upon initiation of this item by NAESB, a completion date will be determined)	2009	ESS/ITS
iii) Develop Industry Implementation Plan for meeting PKI Standard requirements for e-tagging.  Status: Underway. <u>Full e-Tagging implementation (server &amp; client side) is items are linked to the transition of the Registry from NERC to NAESB and NAESB implementation, 20090716 – server-side certificate underway – change TSIN to accept https URLs with a September 2009 target.</u>	<u>July, 2009 TBD – dependent on item above (i) and EIR</u>	JISWG
c) Develop needed business practice standards for organization/company codes for NAESB standards – and address current issues on the use of DUNs numbers.  Status: Underway (upon further development of this item by NAESB, a completion date will be determined)  Common code usage is linked to the transition of the Registry from NERC to NAESB	2009	NAESB Staff with WEQ support
d) Develop business practice standards in support of FERC Order No. 717  Status: Complete	1 <sup>st</sup> Q, 2009	BPS

#### 4 Review and develop business practices standards to Demand Response, Demand Side Management and Energy Efficiency Programs

Review and develop needed model business practices for a standardized method for quantifying benefits, savings, cost avoidance and/or the reduction in energy demand and usage derived from the implementation of demand side management and energy efficiency programs. This effort will include demand side response, energy efficiency programs and metering, including the 'curtailment service provider' program.

a) Develop matrix and business practice standards for measurement and verification for demand response products and services in ISO/RTO footprint areas.  Status: Completed	4 <sup>th</sup> Q, 2008	WEQ Section of the Joint WEQ/REQ DSM-EE Subcommittee
b) Develop more detailed technical standards for the measurement and verification of demand response products and services in ISO-RTO footprint areas, including examples to be developed to support item 4(a) above.  Status: In Progress	Phase 2	WEQ Section of the Joint WEQ/REQ DSM-EE Subcommittee
c) Develop preamble for business practice standards for measurement and verification for demand response and energy efficiency programs.  Status: Underway	3 <sup>rd</sup> Q, 2009	Joint WEQ/REQ DSM-EE Subcommittee



# North American Energy Standards Board

1301 Fannin, Suite 2350, Houston, Texas 77002  
Phone: (713) 356-0060, Fax: (713) 356-0067, E-mail: [naesb@naesb.org](mailto:naesb@naesb.org)  
Home Page: [www.naesb.org](http://www.naesb.org)

## NORTH AMERICAN ENERGY STANDARDS BOARD

NAESB 2009 WEQ Annual Plan as approved by the Board on June 25, 2009

With Redlined Changes Suggested by WEQ Leadership Business Practice Subcommittee, July 17 August 12, 2009

Item Description	Completion <sup>1</sup>	Assignment <sup>23</sup>
d) Develop glossary for business practice standards Status: Underway	3 <sup>rd</sup> Q, 2009	Joint WEQ/REQ DSM-EE Subcommittee
e) Support retail development of matrix and model business practice standards for measurement and verification for demand response programs Status: Underway	3 <sup>rd</sup> Q, 2009	Retail Section of Joint WEQ/REQ DSM-EE Subcommittee
f) Develop business practice standards to measure and verify energy reductions that are made to comply with a Renewable Portfolio Standard that included energy efficiency or a stand-alone Energy Efficiency Portfolio Standard. Status: Scoping Underway (Scope to be initiated in 2 <sup>nd</sup> Q, 2009, after which a completion date will be set)	Phase 2	WEQ Section/Joint WEQ/REQ/R GQ DSM-EE Subcommittee
g) Develop business practice standards to factor Demand Control and Energy Efficiency programs into reliability / supply decisions at the wholesale level for generation and transmission planning and operations in ISO/RTO footprint areas. Status: Scoping Underway (Scope to be initiated in 2 <sup>nd</sup> Q, 2009, after which a completion date will be set)	Phase 2	WEQ Section/Joint WEQ/REQ/R GQ DSM-EE Subcommittee
h) Develop business practice standards for cap and trade programs for green house gas Status: Scoping Underway (Scope to be initiated in 2 <sup>nd</sup> Q, 2009 at the earliest. Upon conclusion of the scoping statement it will be determined whether NAESB standards development is appropriate)	Phase 2	Joint WEQ/REQ/R GQ DSM-EE Subcommittee

### 5 Maintain existing body of Version 2 standards

- a) Make consistency changes to Version 1.0 standards as directed by the WEQ Leadership Committee on December 12, 2007 (R08001 – BPS, ESS/ITS, R08002 - ESS/ITS, R08003 - ESS/ITS - BPS, R08004, R08005 - ESS/ITS)
- 1) OASIS Consistency Changes (R08001, R08002, R08003, R08005) 2009 ESS/ITS  
Status: Not Started (upon initiation of this item by NAESB, a completion date will be determined)
- 2) Gas / Electric Communication Consistency Changes (R08004) 3<sup>rd-4<sup>th</sup></sup> Q, 2009 WEQ BPS / WGO BPS  
Status: Underway. The recommendation requires coordination with the WGO BPS



# North American Energy Standards Board

1301 Fannin, Suite 2350, Houston, Texas 77002  
Phone: (713) 356-0060, Fax: (713) 356-0067, E-mail: [naesb@naesb.org](mailto:naesb@naesb.org)  
Home Page: [www.naesb.org](http://www.naesb.org)

## NORTH AMERICAN ENERGY STANDARDS BOARD

NAESB 2009 WEQ Annual Plan as approved by the Board on June 25, 2009

With Redlined Changes Suggested by WEQ Leadership Business Practice Subcommittee, July 17 August 12, 2009

	Item Description	Completion <sup>1</sup>	Assignment <sup>23</sup>
b)	<p>Modify NAESB definitions to address internal inconsistencies and inconsistencies with the NERC glossary. Revise existing NAESB glossary/definition of terms to be applicable to entire set of WEQ Business Practices. (<a href="http://www.naesb.org/pdf3/weq_ec051308w3.doc">http://www.naesb.org/pdf3/weq_ec051308w3.doc</a>)</p> <p>Status: Underway</p> <p>Subcommittee co-chairs are developing WEQ-000 Definition of Terms/Acronyms to replace definitions being included in each NAESB Business Practice.</p>	4 <sup>th</sup> Q, 2009	BPS/ESS/ITS/ SRS Co-chairs
c)	<p>Develop standards to allow for registered Market Operators to request changes to the Market Level profile of Implemented Interchange (<a href="#">R06006</a>)</p> <p>Status: Complete</p>	1 <sup>st</sup> Q, 2009	JISWG
d)	<p>Consistent with ¶51 of FERC Order No. 890-A, add AFC and TFC values to the "System_Attribute" data element of the NAESB Standard WEQ-003: OASIS S&amp;CP Data Dictionaries. (<a href="#">R08011</a>)</p> <p>Status: Not Started</p> <p>This Standards Request was assigned to the ESS/ITS in May 2008.</p>	3 <sup>rd</sup> Q, 2009	ESS/ITS
e)	<p>Provide for Enhanced Granularity for Public Utilities in Identifying Critical Operational Flow Orders. (<a href="#">R08020</a>)</p> <p>Status: WEQ Complete/WGQ In Progress. This Standards Request was assigned to the BPS in August 2008 (upon initiation of this item by NAESB, a completion date will be determined)</p>	2 <sup>nd</sup> Q, 2009	BPS jointly with WGQ BPS
f)	<p>Synchronize Bidding Credit Requirements for FTR, TCC and CRR (<a href="#">R08025</a>) Posting of collateral is an important issue for financial marketers. Most financial marketers and smaller entities are required to post cash for FTR transactions, while most utilities post unsecured credit. Therefore, the timing for posting collateral is especially crucial to financial marketers. There are two posting periods for FTRs:</p> <ol style="list-style-type: none"> <li>1. The Bidding Requirement: Credit must be posted with FTR bids and these monies are held until bids are cleared.</li> <li>2. The Holding Requirement: After bids are cleared and FTRs awarded, collateral is required for the amount of time the FTR is active.</li> </ol> <p>Status: In Progress Withdrawn by requester</p>	4 <sup>th</sup> Q, 2009	SRS (Scoping)
g)	<p>Correct WEQ 013-2.6.7.2. – Resale off OASIS (<a href="#">R08027</a>)</p>	TBD	ESS/ITS
h)	<p>Add language to WEQ-001-4 Online Negotiation and Confirmation process to clarify Table 4-3 (<a href="#">R09003</a>)</p>	TBD	ESS/ITS
i)	<p><u>Change Power Plant Operator to Power Plant Gas Coordinator (<a href="#">R09011</a>)</u></p>	<u>4<sup>th</sup> Q, 2009</u>	<u>WEQ BPS / WGQ BPS</u>



## North American Energy Standards Board

1301 Fannin, Suite 2350, Houston, Texas 77002  
Phone: (713) 356-0060, Fax: (713) 356-0067, E-mail: [naesb@naesb.org](mailto:naesb@naesb.org)  
Home Page: [www.naesb.org](http://www.naesb.org)

---

---

**NORTH AMERICAN ENERGY STANDARDS BOARD**  
**NAESB 2009 WEQ Annual Plan as approved by the Board on 3-26-09**  
**with redlined changes submitted by the WEQ EC on 5-12-09**

---

### PROVISIONAL ITEMS

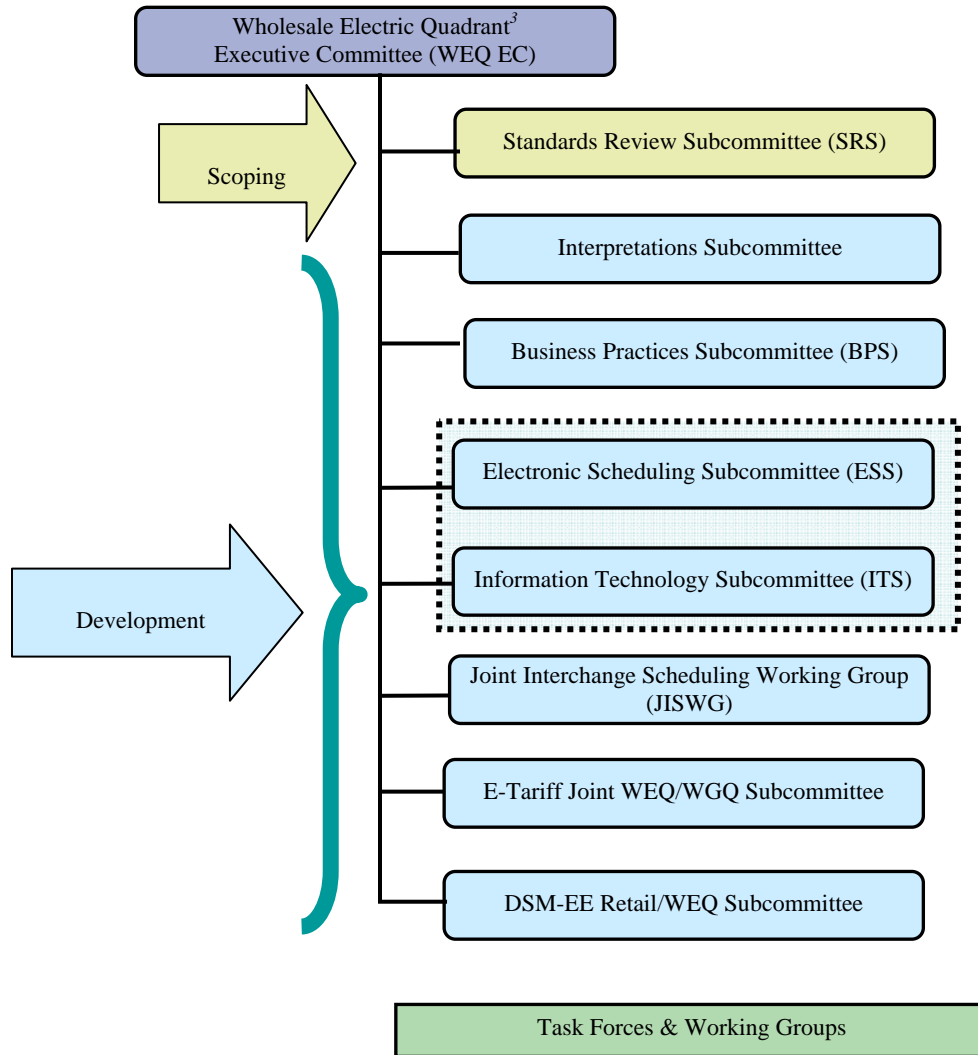
---

- 1 Develop and or modify business practices related to support of NERC effort on the NERC Resources and Transmission Adequacy (Project 2009-05 Resource Adequacy Assessment).
- 2 Develop business practices for allocating capacity among requests received during a submittal window Order 890-A ([Docket Nos. RM05-17-001, 002 and RM05-25-001, 002](#) - Paragraph 805).
- 3 Determine any needed NAESB action in support of the Interchange Distribution Calculator (IDC) and develop any necessary standards.
- 4 Prepare recommendations for future path for TLR (equity concerns) in concert with NERC, which may include alternative congestion management procedures<sup>4</sup>. Work on this activity is dependent on completing 2009 WEQ Annual Plan 1.c.i (Parallel Flow Visualization/Mitigation for Reliability Coordinators in the Eastern Interconnection).
- 5 Develop complementary standards that align with NERC Project 2008-01 Voltage and Reactive Control, for which a white paper is expected after the 2009 SAR is processed.
- 6 Develop NAESB business practices as needed to complement NERC reliability standards for FAC-012 and FAC-013.
- 7 Determine NAESB action needed to support FERC Action Plan for Smart Grid Technology.



# North American Energy Standards Board

1301 Fannin, Suite 2350, Houston, Texas 77002  
Phone: (713) 356-0060, Fax: (713) 356-0067, E-mail: [naesb@naesb.org](mailto:naesb@naesb.org)  
Home Page: [www.naesb.org](http://www.naesb.org)



## NAESB WEQ EC and Subcommittee Leadership:

Executive Committee: Kathy York (WEQ EC Chair) and Matthew Goldberg (WEQ EC Vice Chair)

Standards Review Subcommittee: Narinder Saini, Ed Skiba

Interpretations Subcommittee: Robert Schwermann

Business Practices Subcommittee & Task Forces: Jim Busbin (TLR), Ed Skiba

Electronic Scheduling Subcommittee/Information Technology Subcommittee & Task Forces: Paul Sorenson, J.T. Wood, Marcie Otondo

Joint Interchange Scheduling Working Group (JISWG): Bob Harshbarger (NAESB), Jim Hansen (NERC)

e-Tariff Joint WEQ/WGQ Subcommittee (e-Tariff): Jane Daly (WEQ), Keith Sappenfield (WGQ)

DSM-EE Joint Retail/WEQ Subcommittee: Ruth Kiselewich and David Koogler (Retail), Roy True and Paul Wattles (WEQ)



## North American Energy Standards Board

1301 Fannin, Suite 2350, Houston, Texas 77002  
Phone: (713) 356-0060, Fax: (713) 356-0067, E-mail: [naesb@naesb.org](mailto:naesb@naesb.org)  
Home Page: [www.naesb.org](http://www.naesb.org)

---

---

### End Notes WEQ 2009 Annual Plan:

<sup>1</sup> Dates in the completion column are by end of the quarter for completion by the assigned committee. The dates do not necessarily mean that the standards are fully staffed to be implementable by the industry, and/or ratified by membership. If one item is completed earlier than planned, another item can begin earlier and possibly complete earlier than planned. There are no begin dates on the plan.

<sup>2</sup> The assignments are abbreviated. The abbreviations and committee structure can be found at the end of the annual plan document.

<sup>3</sup> The subcommittee assignments will change in June/July to reflect streamlining the subcommittee structure within the WEQ EC.

<sup>4</sup> For additional information, please see comments submitted by PJM and MISO for this Annual Plan Item:  
[http://www.naesb.org/pdf3/weq\\_aplan102907w1.pdf](http://www.naesb.org/pdf3/weq_aplan102907w1.pdf).



# North American Energy Standards Board

1301 Fannin, Suite 2350, Houston, Texas 77002  
Phone: (713) 356-0060, Fax: (713) 356-0067, E-mail: [naesb@naesb.org](mailto:naesb@naesb.org)  
Home Page: [www.naesb.org](http://www.naesb.org)

**NORTH AMERICAN ENERGY STANDARDS BOARD**  
**NAESB 2009 WEQ Annual Plan as approved by the Board on June 25, 2009**  
**With Redlined Changes Suggested by WEQ Leadership, July 17, 2009**

Item Description	Completion <sup>1</sup>	Assignment <sup>23</sup>
<b>1 Develop business practices standards as needed to complement reliability standards</b>		
Develop business practice standards to support and complement NERC reliability standards, NERC policies and NERC standards authorization requests (SARs) using the NERC/NAESB Coordination Joint Standards Development Process as appropriate. Current NAESB activities underway to develop business practice standards that are supportive of this annual plan item are:		
a) Develop business practices to support Coordinate Interchange – <a href="#">R05020</a> “Include a guideline for rounding schedules with partial MWh’s in the coordinate interchange business practice WEQ BPS-002-000” the rounding standard recommendation	3 <sup>rd</sup> Q, 2009	JESS
Status: Underway - <a href="#">20090716 on track to get a WEQ-004 recommendation developed 3Q 2009</a>		
b) Continuous support of TLR Procedure in alignment with NERC efforts on TLR Phase II and Phase III development.		
i) Parallel Flow Visualization/Mitigation for Reliability Coordinators in the Eastern Interconnection.	4 <sup>th</sup> Q, 2009	BPS
Note: Activity is dependent on NERC approval of SAR expected in 2 <sup>nd</sup> Q, 2009. Upon approval of the SAR and NAESB action on this item, consideration should be given to provisional item 4.		
Status: Not Started		
ii) Update WEQ-008 Appendix D to include the Market Flow Threshold Percentage recommended by NERC working group/task force	4 <sup>th</sup> Q, 2009	BPS
Status: Not Started (dependent on successful field test - expected Oct. 2009) Upon receipt of recommendation, completion date may be adjusted.		
c) Conduct analysis as to whether standards can be developed which outline a standardized process for the coordination and execution of emergency energy schedules. These would be complementary standards to EOP-002-2 Requirements R4 and R6 ( <a href="#">SRS Analysis of EOP-002-2 R4 &amp; R6</a> )	1 <sup>st</sup> Q, 2009	JISWG
Status: Completed and as a result item (3)(a)(viii) has been added to the plan		
d) Time Error and Inadvertent (BAL-004 and BAL-006) Coordination with NERC	2011	TIMTF
Status: Not Started (Upon initiation of this item by NAESB, a completion date will be determined. The date of 2011 is based on a completion date provided in the NERC BAC project schedule which includes extensive field testing and diverse proposed TIMTF directions to be reconciled in subcommittee meetings.)		
e) DCS and AGC (BAL-002 and BAL-005) Coordination with NERC	2011	TIMTF
Status Not Started (Upon initiation of this item by NAESB, a completion date will be determined. The date of 2011 is based on a completion date provided in the NERC BAC project schedule which includes extensive field testing and diverse proposed TIMTF directions to be reconciled in subcommittee meetings.)		



# North American Energy Standards Board

1301 Fannin, Suite 2350, Houston, Texas 77002  
Phone: (713) 356-0060, Fax: (713) 356-0067, E-mail: [naesb@naesb.org](mailto:naesb@naesb.org)  
Home Page: [www.naesb.org](http://www.naesb.org)

## NORTH AMERICAN ENERGY STANDARDS BOARD

NAESB 2009 WEQ Annual Plan as approved by the Board on June 25, 2009

With Redlined Changes Suggested by WEQ Leadership, July 17, 2009

Item Description	Completion <sup>1</sup>	Assignment <sup>23</sup>
<b>2 Develop business practice standards in support of the FERC RM05-25-000 and RM05-17-000 (OATT Reform)</b>		
a) Develop version 2 business practice standards to better coordinate the use of the transmission system among neighboring transmission providers. Such business practice standards would be based on recommendations from NERC's Long Term ATC/AFC Task Force and would involve revised procedures for the ATC calculation and/or revised protocols as determined by the final order.		
Status: Underway		
Development is using joint standards development process with NERC. Request R050004 was expanded to include the Order No. 890 ( <a href="#">Docket Nos. RM05-25-000 and RM05-17-000</a> ) and Order No. 890-A ( <a href="#">Docket Nos. RM05-17-001, 002 and RM05-25-001, 002</a> ), "Preventing Undue Discrimination and Preference in Transmission Services," issued April 11, 2007).		
i) Group 3: Network Service On OASIS		
1. Use of OASIS to Make Electronic Requests to Designate and Terminate Network Resource	4 <sup>th</sup> Q, 2009	OASIS
Status: Underway		
2. Ability to Query Requests to Designate and Terminate Network Resources and Allow for Queries of All Information Provided with Designation Requests	4 <sup>th</sup> Q, 2009	OASIS
Status: Underway		
3. Masking of Designated Network Resource Operating Restrictions and Generating Cost Information	4 <sup>th</sup> Q, 2009	OASIS
Status: Underway		
4. Procedural Requirements for Submitting Designations over new OASIS Functionality	4 <sup>th</sup> Q, 2009	OASIS
Status: Underway		
5. Specify How Designated Network Service Informational Postings are Posted on OASIS	4 <sup>th</sup> Q, 2009	OASIS
Status: Underway		
6. Develop standards for the treatment of OASIS Requests when the Customer Fails to Provide the Necessary Attestation	4 <sup>th</sup> Q, 2009	OASIS
Status: Underway		
7. Procedural Requirements for Submitting Both Temporary and Indefinite Terminations of Network Resources	4 <sup>th</sup> Q, 2009	OASIS
Status: Underway		



## North American Energy Standards Board

1301 Fannin, Suite 2350, Houston, Texas 77002  
Phone: (713) 356-0060, Fax: (713) 356-0067, E-mail: [naesb@naesb.org](mailto:naesb@naesb.org)  
Home Page: [www.naesb.org](http://www.naesb.org)

**NORTH AMERICAN ENERGY STANDARDS BOARD**  
**NAESB 2009 WEQ Annual Plan as approved by the Board on June 25, 2009**  
**With Redlined Changes Suggested by WEQ Leadership, July 17, 2009**

Item Description	Completion <sup>1</sup>	Assignment <sup>23</sup>
8. Procedures for Submitting and Processing Requests for Concomitant Evaluations of Transmission Requests and Temporary Terminations Status: Underway	4 <sup>th</sup> Q, 2009	OASIS
ii) Group 4: Pre-Emption; Request No. R05019; and Revisions to Standard 9.7		
1. Pre-Emption Status: Not Started	4 <sup>th</sup> Q, 2009	OASIS
2. Request No. R05019 Status: Not Started	4 <sup>th</sup> Q, 2009	OASIS
3. Modify WEQ-001-9.7 Rollover Rights for Redirect on a Firm Basis Status: Completed	2 <sup>nd</sup> Q, 2009	ESS/ITS
iii) Group 5: Paragraph 1377		
1. Paragraph 1377 Status: Not Started	4 <sup>th</sup> Q, 2009	OASIS
2. Re-Bid Of Partial Service across Multiple Transmission Providers' Systems Status: Not Started	4 <sup>th</sup> Q, 2009	OASIS
iv) Group 6: Miscellaneous (Paragraphs 1390 and 1627 of Order 890)		
1. Paragraph 1390 of Order 890 Status: Not Started	4 <sup>th</sup> Q, 2009	OASIS
2. Paragraphs 1627 of Order 890 Status: Not Started	4 <sup>th</sup> Q, 2009	OASIS
3. Redispatch Cost Posting to allow for posting of third party offers of planning redispatch services. Status: Not Started	4 <sup>th</sup> Q, 2009	OASIS
b) Develop the needed business practices as companion to the NERC standards for ATC related efforts		
i) Develop standards to support existing Request No. <a href="#">R05004</a> .		



# North American Energy Standards Board

1301 Fannin, Suite 2350, Houston, Texas 77002  
Phone: (713) 356-0060, Fax: (713) 356-0067, E-mail: [naesb@naesb.org](mailto:naesb@naesb.org)  
Home Page: [www.naesb.org](http://www.naesb.org)

**NORTH AMERICAN ENERGY STANDARDS BOARD**  
**NAESB 2009 WEQ Annual Plan as approved by the Board on June 25, 2009**  
**With Redlined Changes Suggested by WEQ Leadership, July 17, 2009**

Item Description	Completion <sup>1</sup>	Assignment <sup>23</sup>
<p>1. The processing of transmission service requests, which use TTC/ATC/AFC, in coordination with NERC changes to MOD 001 where the allocation of flowgate capability based on historical Network Native Load impacts the evaluation of transmission service requests, requiring the posting of those allocation values in conjunction with queries of service offerings on OASIS</p> <p>Status: Underway</p>	4 <sup>th</sup> Q, 2009	OASIS
<p><b>3 Develop business practices standards to improve the current operation of the wholesale electric market and develop and maintain business practice and communication standards for OASIS and Electronic Scheduling</b></p>		
<p>a) Develop and/or maintain business practice standards as needed for OASIS and electronic scheduling. Specific items to address include:</p>		
<p>i) Network Services: Determine and develop needed business practice standards or other support is needed to support use of OASIS for Network Service transactions (<a href="#">R04006E</a>). (Related to AP 2(a)(iii))</p> <p>Status: Underway</p>	4 <sup>th</sup> Q, 2009	OASIS
<p>ii) Registry (TSIN): Determine and develop needed business practice standards to support the registry functions currently supported by NERC (<a href="#">R04037</a>, <a href="#">R06027</a>).</p>		
<p>1) Work with the NAESB counsel to develop a confidentiality agreement, (<a href="#">R07013</a>)</p> <p>Status: Underway – <a href="#">20090716 needs cover letter for informal comment posting – move completion to 4Q 2009</a></p>	<del>3<sup>rd</sup></del> 4 <sup>th</sup> Q, 2009	JESS
<p>2) Transition the TSIN Registry from NERC to NAESB as the enhanced Electric Industry Registry (EIR), (<a href="#">R06027</a>).</p> <p>Status: Underway</p>	4 <sup>th</sup> Q, 2009	NAESB/NERC Administration, JESS
<p>iii) Document procedures used to implement the displacement/interruption terms of the Pro Forma tariff (<a href="#">R05019</a>).</p> <p>Status: Deleted as a duplicate of 2009 AP item 2.a.ii.2</p>	4 <sup>th</sup> Q, 2009	ESS/ITS
<p>iv) Make remaining incremental enhancements to OASIS as an outgrowth of the NAESB March 29, 2005 conference on the future of OASIS (<a href="#">R05026</a>).</p> <p>Scoping <a href="#">statement</a> completed by SRS and assignments made to BPS and OASIS.</p>		
<p>1) Eliminate Masking of TSR tag source and sink when requested status is denied, withdrawn refused, displaced, invalid, declined, annulled or retracted</p> <p>Status: Not Started</p>	4 <sup>th</sup> Q, 2009	OASIS



# North American Energy Standards Board

1301 Fannin, Suite 2350, Houston, Texas 77002  
Phone: (713) 356-0060, Fax: (713) 356-0067, E-mail: [naesb@naesb.org](mailto:naesb@naesb.org)  
Home Page: [www.naesb.org](http://www.naesb.org)

**NORTH AMERICAN ENERGY STANDARDS BOARD**  
**NAESB 2009 WEQ Annual Plan as approved by the Board on June 25, 2009**  
**With Redlined Changes Suggested by WEQ Leadership, July 17, 2009**

	Item Description	Completion <sup>1</sup>	Assignment <sup>23</sup>
2)	Initiate standard that eliminates the disparity of posting “sensitive” information. This standard should also include procedures of user certification that allows access to this class of information.  Status: Underway (upon further development of this item by NAESB, a completion date will be determined)	2010	OASIS
3)	Enhance the TSR result postings to allow showing of (i) limiting transmission elements and (ii) available generation dispatch options that would allow acceptance of reservation request.  Status: Not Started (upon initiation of this item by NAESB, a completion date will be determined)	2010	OASIS
v)	Develop, coordinate interoperability testing, and implement e-Tag version 1.8.1  Status: Underway – <u>20090716 discussed rough time frames laid out needs test plans drafted</u>	4 <sup>th</sup> Q, 2009	JESS
vi)	Transition e-Tag Specification and schema to NAESB  Status: Complete. Version 1.8.1 will be identified as the NAESB Electronic Tagging Functional Specification	1 <sup>st</sup> Q, 2009	JISWG
vii)	Review and correct the WEQ-004 Coordinate interchange Business Practice Standard as noted during the development of the e-Tag 1.8 development process.  Status: Underway – <u>20090716 going out for informal comments vote out of JESS Sept 1<sup>st</sup> meeting</u>	3 <sup>rd</sup> Q, 2009	JESS
viii)	Review and correct WEQ-004 Coordinate Interchange Business Practice Standard as needed based on activities in NERC Project 2008-12, Coordinate Interchange Standards Revisions and supporting EOP-002-2 R4 and R6. [note: this is a new item]  Status: Not started – dependent on NERC activity (upon initiation of this item by NAESB, a completion date will be determined)	2010	JESS
b)	Develop and/or maintain standard communication protocols and cyber-security business practices as needed.		
i)	Develop PKI certification program for e-Tag and OASIS  Status: Not Started (upon initiation of this item by NAESB, a completion date will be determined)	2009	Board Certification Program Committee
ii)	Develop PKI standards for OASIS.  Status: Not Started (upon initiation of this item by NAESB, a completion date will be determined)	2009	OASIS



# North American Energy Standards Board

1301 Fannin, Suite 2350, Houston, Texas 77002  
Phone: (713) 356-0060, Fax: (713) 356-0067, E-mail: [naesb@naesb.org](mailto:naesb@naesb.org)  
Home Page: [www.naesb.org](http://www.naesb.org)

## NORTH AMERICAN ENERGY STANDARDS BOARD

NAESB 2009 WEQ Annual Plan as approved by the Board on June 25, 2009

With Redlined Changes Suggested by WEQ Leadership, July 17, 2009

	Item Description	Completion <sup>1</sup>	Assignment <sup>23</sup>
iii)	<p>Develop Industry Implementation Plan for meeting PKI Standard requirements for e-tagging.</p> <p>Status: Underway. <u>Full e-Tagging implementation (server &amp; client side) is items are</u> linked to the transition of the Registry from NERC to NAESB <u>and NAESB implementation. 20090716 – server-side certificate underway – change TSIN to accept https URLs with a September 2009 target.</u></p>	<p><del>July, 2009</del>TBD – dependent on item above (i) and EIR</p>	JESS
c)	<p>Develop needed business practice standards for organization/company codes for NAESB standards – and address current issues on the use of DUNs numbers.</p> <p>Status: Underway (upon further development of this item by NAESB, a completion date will be determined)</p> <p>Common code usage is linked to the transition of the Registry from NERC to NAESB</p>	2009	NAESB Staff with WEQ support
d)	<p>Develop business practice standards in support of FERC Order No. 717</p> <p>Status: Complete</p>	1 <sup>st</sup> Q, 2009	BPS
<b>4</b>	<p><b>Review and develop business practices standards to Demand Response, Demand Side Management and Energy Efficiency Programs</b></p> <p>Review and develop needed model business practices for a standardized method for quantifying benefits, savings, cost avoidance and/or the reduction in energy demand and usage derived from the implementation of demand side management and energy efficiency programs. This effort will include demand side response, energy efficiency programs and metering, including the 'curtailment service provider' program.</p>		
a)	<p>Develop matrix and business practice standards for measurement and verification for demand response products and services in ISO/RTO footprint areas.</p> <p>Status: Completed</p>	4 <sup>th</sup> Q, 2008	WEQ Section of the Joint WEQ/REQ DSM-EE Subcommittee
b)	<p>Develop more detailed technical standards for the measurement and verification of demand response products and services in ISO-RTO footprint areas, including examples to be developed to support item 4(a) above.</p> <p>Status: In Progress</p>	Phase 2	WEQ Section of the Joint WEQ/REQ DSM-EE Subcommittee
c)	<p>Develop preamble for business practice standards for measurement and verification for demand response and energy efficiency programs.</p> <p>Status: Underway</p>	3 <sup>rd</sup> Q, 2009	Joint WEQ/REQ DSM-EE Subcommittee
d)	<p>Develop glossary for business practice standards</p> <p>Status: Underway</p>	3 <sup>rd</sup> Q, 2009	Joint WEQ/REQ DSM-EE Subcommittee



## North American Energy Standards Board

1301 Fannin, Suite 2350, Houston, Texas 77002  
Phone: (713) 356-0060, Fax: (713) 356-0067, E-mail: [naesb@naesb.org](mailto:naesb@naesb.org)  
Home Page: [www.naesb.org](http://www.naesb.org)

**NORTH AMERICAN ENERGY STANDARDS BOARD**  
**NAESB 2009 WEQ Annual Plan as approved by the Board on June 25, 2009**  
**With Redlined Changes Suggested by WEQ Leadership, July 17, 2009**

Item Description	Completion <sup>1</sup>	Assignment <sup>23</sup>
e) Support retail development of matrix and model business practice standards for measurement and verification for demand response programs  Status: Underway	3 <sup>rd</sup> Q, 2009	Retail Section of Joint WEQ/REQ DSM-EE Subcommittee
f) Develop business practice standards to measure and verify energy reductions that are made to comply with a Renewable Portfolio Standard that included energy efficiency or a stand-alone Energy Efficiency Portfolio Standard.  Status: Scoping Underway (Scope to be initiated in 2 <sup>nd</sup> Q, 2009, after which a completion date will be set)	Phase 2	WEQ Section/Joint WEQ/REQ/R GQ DSM-EE Subcommittee
g) Develop business practice standards to factor Demand Control and Energy Efficiency programs into reliability / supply decisions at the wholesale level for generation and transmission planning and operations in ISO/RTO footprint areas.  Status: Scoping Underway (Scope to be initiated in 2 <sup>nd</sup> Q, 2009, after which a completion date will be set)	Phase 2	WEQ Section/Joint WEQ/REQ/R GQ DSM-EE Subcommittee
h) Develop business practice standards for cap and trade programs for green house gas  Status: Scoping Underway (Scope to be initiated in 2 <sup>nd</sup> Q, 2009 at the earliest. Upon conclusion of the scoping statement it will be determined whether NAESB standards development is appropriate)	Phase 2	Joint WEQ/REQ/R GQ DSM-EE Subcommittee
<b>5 Maintain existing body of Version 2 standards</b>		
a) Make consistency changes to Version 1.0 standards as directed by the WEQ Leadership Committee on December 12, 2007 (R08001 – BPS, OASIS, R08002 - OASIS, R08003 - OASIS - BPS, R08004, R08005 - OASIS)		
1) OASIS Consistency Changes (R08001, R08002, R08003, R08005)  Status: Not Started (upon initiation of this item by NAESB, a completion date will be determined)	2009	OASIS
2) Gas / Electric Communication Consistency Changes (R08004)  Status: Underway	3rd Q, 2009	BPS



## North American Energy Standards Board

1301 Fannin, Suite 2350, Houston, Texas 77002  
Phone: (713) 356-0060, Fax: (713) 356-0067, E-mail: [naesb@naesb.org](mailto:naesb@naesb.org)  
Home Page: [www.naesb.org](http://www.naesb.org)

**NORTH AMERICAN ENERGY STANDARDS BOARD**  
**NAESB 2009 WEQ Annual Plan as approved by the Board on June 25, 2009**  
**With Redlined Changes Suggested by WEQ Leadership, July 17, 2009**

Item Description	Completion <sup>1</sup>	Assignment <sup>23</sup>
<p>b) Modify NAESB definitions to address internal inconsistencies and inconsistencies with the NERC glossary. Revise existing NAESB glossary/definition of terms to be applicable to entire set of WEQ Business Practices. (<a href="http://www.naesb.org/pdf3/weq_ec051308w3.doc">http://www.naesb.org/pdf3/weq_ec051308w3.doc</a>)</p> <p>Status: Underway</p> <p>Subcommittee co-chairs are developing WEQ-000 Definition of Terms/Acronyms to replace definitions being included in each NAESB Business Practice.</p>	4 <sup>th</sup> Q, 2009	BPS/OASIS/ SRS Co-chairs
<p>c) Develop standards to allow for registered Market Operators to request changes to the Market Level profile of Implemented Interchange (<a href="#">R06006</a>)</p> <p>Status: Complete</p>	1 <sup>st</sup> Q, 2009	JISWG
<p>d) Consistent with ¶51 of FERC Order No. 890-A, add AFC and TFC values to the "System_Attribute" data element of the NAESB Standard WEQ-003: OASIS S&amp;CP Data Dictionaries. (<a href="#">R08011</a>)</p> <p>Status: Not Started</p> <p>This Standards Request was assigned to the OASIS in May 2008.</p>	3 <sup>rd</sup> Q, 2009	OASIS
<p>e) Provide for Enhanced Granularity for Public Utilities in Identifying Critical Operational Flow Orders. (<a href="#">R08020</a>)</p> <p>Status: WEQ Complete/WGQ In Progress. This Standards Request was assigned to the BPS in August 2008 (upon initiation of this item by NAESB, a completion date will be determined)</p>	2 <sup>nd</sup> Q, 2009	BPS jointly with WGQ BPS
<p>f) Synchronize Bidding Credit Requirements for FTR, TCC and CRR (<a href="#">R08025</a>) Posting of collateral is an important issue for financial marketers. Most financial marketers and smaller entities are required to post cash for FTR transactions, while most utilities post unsecured credit. Therefore, the timing for posting collateral is especially crucial to financial marketers. There are two posting periods for FTRs:</p> <ol style="list-style-type: none"> <li>1. The Bidding Requirement: Credit must be posted with FTR bids and these monies are held until bids are cleared.</li> <li>2. The Holding Requirement: After bids are cleared and FTRs awarded, collateral is required for the amount of time the FTR is active.</li> </ol> <p>Status: In Progress Withdrawn by requester</p>	4 <sup>th</sup> Q, 2009	SRS (Scoping)
<p>g) Correct WEQ 013-2.6.7.2. – Resale off OASIS (<a href="#">R08027</a>)</p>	TBD	OASIS
<p>h) Add language to WEQ-001-4 Online Negotiation and Confirmation process to clarify Table 4-3 (<a href="#">R09003</a>)</p>	TBD	OASIS



## North American Energy Standards Board

1301 Fannin, Suite 2350, Houston, Texas 77002  
Phone: (713) 356-0060, Fax: (713) 356-0067, E-mail: [naesb@naesb.org](mailto:naesb@naesb.org)  
Home Page: [www.naesb.org](http://www.naesb.org)

---

**NORTH AMERICAN ENERGY STANDARDS BOARD**  
**NAESB 2009 WEQ Annual Plan as approved by the Board on 3-26-09**  
**with redlined changes submitted by the WEQ EC on 5-12-09**

---

### PROVISIONAL ITEMS

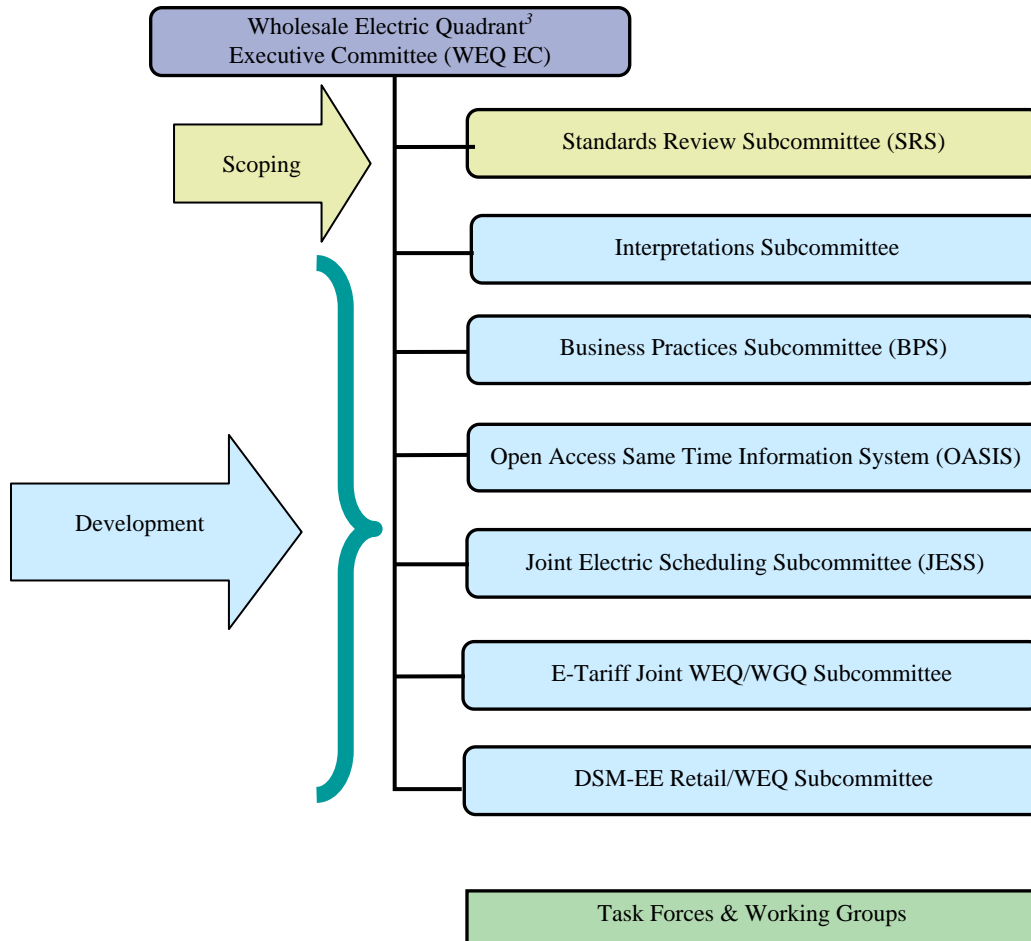
---

- 1 Develop and or modify business practices related to support of NERC effort on the NERC Resources and Transmission Adequacy (Project 2009-05 Resource Adequacy Assessment).
- 2 Develop business practices for allocating capacity among requests received during a submittal window Order 890-A ([Docket Nos. RM05-17-001, 002 and RM05-25-001, 002](#) - Paragraph 805).
- 3 Determine any needed NAESB action in support of the Interchange Distribution Calculator (IDC) and develop any necessary standards.
- 4 Prepare recommendations for future path for TLR (equity concerns) in concert with NERC, which may include alternative congestion management procedures<sup>4</sup>. Work on this activity is dependent on completing 2009 WEQ Annual Plan 1.c.i (Parallel Flow Visualization/Mitigation for Reliability Coordinators in the Eastern Interconnection).
- 5 Develop complementary standards that align with NERC Project 2008-01 Voltage and Reactive Control, for which a white paper is expected after the 2009 SAR is processed.
- 6 Develop NAESB business practices as needed to complement NERC reliability standards for FAC-012 and FAC-013.
- 7 Determine NAESB action needed to support FERC Action Plan for Smart Grid Technology.



# North American Energy Standards Board

1301 Fannin, Suite 2350, Houston, Texas 77002  
Phone: (713) 356-0060, Fax: (713) 356-0067, E-mail: [naesb@naesb.org](mailto:naesb@naesb.org)  
Home Page: [www.naesb.org](http://www.naesb.org)



### NAESB WEQ EC and Subcommittee Leadership:

Executive Committee: Kathy York (WEQ EC Chair) and Matthew Goldberg (WEQ EC Vice Chair)

Standards Review Subcommittee: Narinder Saini, Ed Skiba

Interpretations Subcommittee: Robert Schwermann

Business Practices Subcommittee & Task Forces: Jim Busbin (TLR), Ed Skiba

Open Access Same Time Information System (OASIS): Paul Sorenson, J.T. Wood, Marcie Otondo

Joint Electric Scheduling Subcommittee (JESS): Bob Harshbarger (NAESB), Jim Hansen (NERC)

e-Tariff Joint WEQ/WGQ Subcommittee (e-Tariff): Jane Daly (WEQ), Keith Sappenfield (WGQ)

DSM-EE Joint Retail/WEQ Subcommittee: Ruth Kiselewich and David Koogler (Retail), Roy True and Paul Wattles (WEQ)



## North American Energy Standards Board

1301 Fannin, Suite 2350, Houston, Texas 77002  
Phone: (713) 356-0060, Fax: (713) 356-0067, E-mail: [naesb@naesb.org](mailto:naesb@naesb.org)  
Home Page: [www.naesb.org](http://www.naesb.org)

---

---

### End Notes WEQ 2009 Annual Plan:

<sup>1</sup> Dates in the completion column are by end of the quarter for completion by the assigned committee. The dates do not necessarily mean that the standards are fully staffed to be implementable by the industry, and/or ratified by membership. If one item is completed earlier than planned, another item can begin earlier and possibly complete earlier than planned. There are no begin dates on the plan.

<sup>2</sup> The assignments are abbreviated. The abbreviations and committee structure can be found at the end of the annual plan document.

<sup>3</sup> The subcommittee assignments will change in June/July to reflect streamlining the subcommittee structure within the WEQ EC.

<sup>4</sup> For additional information, please see comments submitted by PJM and MISO for this Annual Plan Item:  
[http://www.naesb.org/pdf3/weq\\_aplan102907w1.pdf](http://www.naesb.org/pdf3/weq_aplan102907w1.pdf).



## North American Energy Standards Board

1301 Fannin, Suite 2350, Houston, Texas 77002  
Phone: (713) 356-0060, Fax: (713) 356-0067, E-mail: [naesb@naesb.org](mailto:naesb@naesb.org)  
Home Page: [www.naesb.org](http://www.naesb.org)

July 28, 2009

**TO:** NAESB Board of Directors, Executive Committee (EC) Members, EC Alternates, and Invited Guests  
**FROM:** Jonathan Booe, Staff Attorney  
**RE:** Drafts Minutes of the NAESB Board Meeting – June 25, 2009

---

**NAESB BOARD OF DIRECTORS MEETING  
Marriott IAH Airport Hotel, Houston, Texas  
Thursday, June 25 – 9:00 a.m. to 1:00 pm Central  
DRAFT MINUTES**

### 1. Administration and Welcome

Mr. Desselle welcomed the Board members and guests in the room and on the phone. Mr. Booe read the antitrust guidelines and called the roll of the NAESB Board members. Quorum was established.

The Board members reviewed the draft agenda. Mr. Hossain moved to adopt the agenda as drafted and Mr. Chapman seconded the motion. The agenda was adopted as drafted. The Board members reviewed the draft minutes from the March 26, 2009 meeting. Ms. Kiselewich moved to adopt the minutes as drafted and Mr. Lucas seconded the motion. The motion passed without objection. The final minutes from the March 26, 2009 Board meeting can be found on the NAESB website through the following hyperlink: <http://www.naesb.org/pdf4/bd032609fm.doc>.

### 2. Membership and Financial Report

**Membership Report:** Ms. McQuade reviewed the [membership report](#). The membership profile reflects a net 14 member loss since March, 2009; the largest loss occurring in the Wholesale Gas Quadrant (“WGQ”). Based upon exit interviews, most companies cited the poor economy and consolidation of multiple memberships as the grounds for resignation. None of the resignations were due to the increase in dues. Ms. McQuade reminded the Board members to review the contact list for accuracy and noted that companies may have multiple primary contacts.

**Financial Report:** Ms. Wishart provided an account of the [financial report](#). She noted that year to date expenses are up one percent and that income is up fifteen percent as compared to this period last year. Based upon the current financial status and year end estimates for 2009, expenses will be over budget by \$34,000 and income will be under budget by \$40,000. Ms. McQuade noted that the publication efforts have increased the frequency of conference call meetings by thirty percent compared to last year and that face to face meetings have remained consistent. She also noted that the renegotiation of the telecommunication contract has helped mitigate the cost of the increased number of conference call meetings. Mr. Lucas noted that the year to date income is almost double the expenses, which Ms. McQuade noted was due to the collection of dues which would be spent throughout the year.

### 3. Reports from Board Committees

**Board Resources:** Mr. Brown presented the [Board Resources report](#). He noted that for the second quarter in a row there has been a significant discrepancy between the number of new memberships and the increase in resignations. In response to the loss in membership, the Board Resource Committee has discussed several action items that will be addressed in the next quarter. The Resource Committee will (1) contact the members who did not renew their membership, (2) work with NAESB staff to focus attention on organizations involved in the wind energy industry, the solar energy industry, demand response and the smart grid efforts, (3) work with NAESB staff to develop an electronic package that can be circulated among all Board Members and distributed to potential members and (4) encourage cities to take the lead from the city of Houston and become members. Mr. Brown noted that the Board Resources Committee has been comprised of the same participants for several years and encouraged Board Members who have not participated to get involved. He suggested that each Quadrant assign specific members to act as point persons for each of the Quadrants and take the lead in recruiting new membership. He stated that he, Mr. Desselle and Mr. True will volunteer from the Wholesale Electric Quadrant (“WEQ”) and that Mr. Hebenstreit has volunteered from the WGQ. Mr. Brown requested that any member of the Retail Quadrants interested in



## North American Energy Standards Board

1301 Fannin, Suite 2350, Houston, Texas 77002  
Phone: (713) 356-0060, Fax: (713) 356-0067, E-mail: [naesb@naesb.org](mailto:naesb@naesb.org)  
Home Page: [www.naesb.org](http://www.naesb.org)

---

volunteering contact him. Ms. McQuade noted that the National Institute of Standards and Technology (“NIST”) has agreed to join.

Retail Restructuring Considerations: Mr. Minneman provided a review of the retail restructuring activities and noted the [Proposed Modifications to the Retail Electric Quadrant Procedures](#) and the [Proposed Modifications to the Retail Gas Quadrant Procedures](#) included in the Board materials. He stated that the Retail Structure Review Committee met in May and made proposed modifications to the Retail Quadrants Procedures that reflect the segment structure modifications discussed at the March Board meeting. He noted that the modifications have not been controversial and expects that they will be adopted by the next Board meeting in September. The Retail Electric Quadrant will require one more member to join the petition to adopt the proposed modifications in order for the process to begin. Mr. Brown stated that three of the new memberships are in the Retail Quadrants.

#### 4. Updates on Specific Efforts

Publications: Ms. McQuade provided an update of the [Retail Version 1.1 publication](#). The publication is scheduled to be released on June 30, 2009 and will be distributed to the state commissioners by Ms. McQuade at the July NARUC meeting. The NAESB office will coordinate a press release with publication in an effort to encourage membership. The publication is predominately customer choice standards and does not include the Demand Response standards that will be included as an addendum after ratification.

Ms. McQuade provided an update of the [WGQ Version 1.9 publication](#) and confirmed that the Quadrant is on schedule for a September 30, 2009 release. She noted that the final modifications are being processed and commended Ms. Rager and Ms. Davis on their efforts to meet the publication deadlines. Ms. McQuade noted that the WEQ Version 2.2 publication is on schedule to be released first quarter 2010 will include the remaining FERC Order No. 890 items.

WEQ/REQ Smart Grid Update: Mr. Desselle provided an update of the NAESB involvement in the national smart grid effort. He referenced the [FERC Notice of Inquiry Analysis](#), the [Analysis of the 16 Standards Proposed by NIST](#) and the [Report to NIST on the Smart Grid Interoperability Standards Roadmap](#) contained in the Board materials. Since the last Board meeting Ms. McQuade, Ms. Ogg, Mr. Booe and Mr. Desselle have attended more than twenty meetings with various organizations involved in the development. The purpose of the meetings have been to notify the participants of the potential impact any actions taken by NIST may have on existing NAESB standards or future standards development. Mr. Desselle noted his concerns with the lack of participation by energy companies in the effort. Mr. Cargas noted that a post Hurricane Ike study has shown that the development of the smart grid will be the most effective action that can be taken in preparation for future emergency events. Ms. McQuade urged the Board members to get involved in the Smart Grid effort as to date she has noticed only a few utilities participating in the various venues. Ms. Ogg noted that developments resulting from the smart grid effort are likely to be very expansive and that the initial list of sixteen standards released by NIST are only preliminary to many other developments.

WGQ: Completion of Standards for FERC Order Nos. 698 and 712: Mr. Davis provided a [Presentation](#) of the recommendation for the proposed modifications to the capacity release items resulting from FERC Order Nos. 698 and 712. The recommendation included the technical implementation of the standards developed and modified in response to FERC Order No. 698 as well as the technical implementation of the standards modifications resulting from FERC Order No. 712. She noted that the recommendation required over thirty meeting days during the last twelve months and approximately two thousand man hours to complete. Ms. McQuade and Mr. Desselle stated that the recommendation is a great example of what is required to fully staff a business practice and noted that fully staffing a business practice saves the industry considerable time and money by requiring only a single implementation of a standard rather than a cascading implementation with business practices and then a later retrofitting of the implementation to support additional technical standards.

WEQ: Update on Order 890 Efforts: Mr. York provided an update of the [FERC Order No. 890 Work Plan](#). The WEQ has met all of the required deadlines set by FERC Order No. 890 and is currently working on group three of the Order 890 Work Plan involving network service on OASIS. Ms. York noted that the recommendation on rollover rights contained in group four of the Work Plan was approved by the WEQ Executive Committee (“EC”)



## North American Energy Standards Board

1301 Fannin, Suite 2350, Houston, Texas 77002  
Phone: (713) 356-0060, Fax: (713) 356-0067, E-mail: [naesb@naesb.org](mailto:naesb@naesb.org)  
Home Page: [www.naesb.org](http://www.naesb.org)

---

and is currently out for ratification. Due to the time required to complete the rollover right recommendation the WEQ EC is recommending that the completion date for the recommendation concerning network service on OASIS be moved to fourth quarter 2009. The Electronic Scheduling Subcommittee and the Information Technology Subcommittee (“ESS/ITS”) have been addressing the items noted. The WEQ EC approved recommendations to rename the ESS/ITS the OASIS Subcommittee and to modify the Quadrant’s subcommittee structure making the Joint Interface Scheduling Working Group (“JISWG”) a subcommittee named the Joint Electronic Scheduling Subcommittee (“JESS”) rather than a working group of the ESS/ITS. The subcommittee meetings, as with all NAESB meetings, are open to anyone wishing to participate.

WEQ and Retail DSM-EE efforts: Mr. Winkler provided the update of the DSM-EE efforts, noting that the WEQ completed the Wholesale Demand Response (“DR”) standards and definitions in April and have been submitted to the FERC. He reviewed the [IRC DSM Matrix](#), which is a compilation of the measurement and verification aspects of all DR programs offered in ISO control areas. He noted that the IRC will maintain and update the document as products change through the stakeholder process. Mr. Winkler stated that phase two of the effort is underway and that the group has met four times to begin adding more technical detail to the standards developed in phase one. The group expects that the effort will gain more momentum once the FERC issues a Notice of Proposed Rulemaking on the standards and definitions submitted in April. Mr. Brown asked that the members participating in the effort discuss membership with the non-member participants, to encourage their participation and their consideration of NAESB membership.

Mr. Precht provided a review of the Retail DSM-EE efforts and the [draft recommendation](#) for the measurement and verification DR standards under development. He stated the retail recommendation was based upon the wholesale recommendation and that the standards and definitions have been modified and amended to be applicable to the retail markets. The goal is to submit the retail standards to the entire DSM-EE group at the July 29, 2009 meeting. Mr. Winkler stated that the retail recommendation contains improvements to the definitions contained in the wholesale final action and that the wholesale group will review those definitions to make conforming changes.

### 5. Executive Committee Reports

Mr. Buccigross reviewed the [2009 WGQ Annual Plan](#) and noted the modifications approved by the WGQ EC at the May 14, 2009 meeting. The modifications are shown in redline format in the board materials. Ms. Kiselewich reviewed the [2009 Retail Annual Plan](#) and noted the modifications approved by the Retail EC at the May 13, 2009 meeting. The modifications are shown in redline format in the board materials. Ms. York reviewed the [2009 WEQ Annual Plan](#) and noted the modifications approved by the WEQ EC at the May 12, 2009 meeting and suggested by the WEQ Leadership at the June 24, 2009 meeting. The modifications are shown in redline format in the board materials. Ms. York noted that in addition to the changes noted in the board materials the status of item 5.a.2 should be changed to underway and the completion date changed to third quarter 2009, as the recommendation was remanded to the WEQ Business Practice Subcommittee (“BPS”) so that the recommendation could be coordinated with the WGQ BPS and NERC. She also noted that item 5.f should be modified to reflect that the request had been withdrawn by the submitter and removed from the Annual Plan.

Ms. Kiselewich suggested that the Retail Gas Quadrant (“RGQ”) be included in the development of items f, g and h of the DSM-EE portions of the WEQ (item 4) and Retail (item 6) Annual Plans, given that phase two and the scoping of the items has begun. Mr. Desselle agreed and stated that the gas industry will be affected by the development of the items and should be included in their scoping. Mr. Cleveland concurred and noted that three of the five states within AGL’s region are implementing EE programs. Mr. True and Mr. Minneman supported the inclusion of the RGQ in the scoping of the items. Mr. Novak raised an issue that the Board confirm that the items apply to the retail gas market before designating the RGQ in the Annual Plans. Mr. Desselle responded that Mr. Novak’s comment is the reason why the RGQ should be included in the scoping of the items. Mr. Novak noted that many LDCs do not believe that NAESB should address standards for energy efficiency, cap and trade and renewable portfolios as they pertain to the retail gas market – a position supported by the AGA. Mr. Desselle noted that the items are only at the scoping phase. Ms. Kiselewich made a motion to include the RGQ as assignees of items 4.f, 4.g and 4.h of the 2009 WEQ Annual Plan and items 6.f, 6.g and 6.h of the 2009 Retail Annual Plan. Mr. Cleveland seconded the motion and the motion passed a simple majority vote with one vote in opposition by Mr. Novak. Mr.



## North American Energy Standards Board

1301 Fannin, Suite 2350, Houston, Texas 77002  
Phone: (713) 356-0060, Fax: (713) 356-0067, E-mail: [naesb@naesb.org](mailto:naesb@naesb.org)  
Home Page: [www.naesb.org](http://www.naesb.org)

True moved to adopt the [2009 WGQ Annual Plan](#), the [2009 WEQ Annual Plan](#) and the [2009 Retail Annual Plan](#) as modified during the meeting. Mr. Minneman seconded the motion and the motion passed a simple majority vote with one vote in opposition by Mr. Novak.

### 6. Plan for September 2009 Board Meeting

Ms. McQuade requested that the Board leadership begin thinking about items to be included on the 2010 Annual Plans and that she will organize a meeting in September to discuss their ideas. She also noted that very few items will carry over from the 2009 WGQ Annual Plan to the 2010 WGQ Annual Plan. The next [NAESB Board of Directors](#) meeting will be held on Thursday, September 25, 2009 at the Marriott Houston Intercontinental Hotel from 9:00 am to 1:00 pm Central.

### 7. Old and New Business

Ms. McQuade noted that she has visited with FERC, NIST, DOE, the Gridwise Architecture Council and other organizations involved with smart grid efforts in order to ensure that NAESB interests are identified. She also noted that has visited with the leadership of NARUC to ensure that NAESB is addressing the correct issues in our standards development. Mr. Desselle urged participation by NAESB members to ensure that the smart grid development is compatible/interoperable with the bulk power system.

Mr. Desselle noted that Bill Lohrman has been transitioned to another part of FERC and that Mr. McAllister will be taking over his role as NAESB/FERC liaison. Mr. Desselle thanked Mr. Lohrman, Mr. McAllister and Ms. Ogg for their attendance at the Board meeting. Ms. Ogg noted that she and Ms. McQuade have developed a report for the International Gas Union (“IGU”) that compares the U.S. experience of the standardization of the gas industry with the experiences of the E.U. and Australia and that the report will be discussed at the next IGU conference in October. Ms. McQuade thanked Ms. Ogg for her work on the report.

### 8. Adjourn

Mr. Cargas moved to adjourn the meeting, seconded by Mr. Desselle. The meeting adjourned at 11:33 am Central.

### 9. Board Attendance and Voting Record (Vacancies Omitted)

		ATTENDANCE
<b>WGQ PRODUCERS SEGMENT</b>		
Richard D. Smith	Regulatory & Compliance Manager, Noble Energy Inc.	In Person
Bill Hebenstreit	Marketing Manager, Goodrich Petroleum Company LLC	In Person
Keith Sappenfield	Regional Director – US Regulatory Affairs, EnCana Oil & Gas (USA) Inc.	In Person
Marty Patterson	Vice President – Commercial Operations, Foothills Energy Ventures LLC	
Pete Frost	Director - Regulatory Affairs, ConocoPhillips Gas and Power Marketing	In Person
<b>WGQ PIPELINE SEGMENT</b>		
Cathie Legge	Manager – Customer Service, Alliance Pipeline LP	In Person
Bill Grygar	Vice President, Panhandle Eastern Pipe Line	Phone
Susanna B. Barry	Vice President – Commercial Operations, Tennessee Gas Pipeline Company	
Anne Bomar	Vice President, Dominion	Phone
Richard Kruse	Senior Vice President, Spectra Energy Transmission	Phone
<b>WGQ LOCAL DISTRIBUTION COMPANY (LDC) SEGMENT</b>		
Craig Colombo	Energy Trader III, Dominion Resources	In Person
Adrian Chapman	Vice President, Regulatory Affairs & Energy Acquisition, Washington Gas	In Person
Carlos Thillet	Manager, Gas Supply & Transportation, PECO Energy Co.	
Mike Novak	Asst. General Manager, National Fuel Gas Distribution Corporation	Phone
Lee Stewart	Senior Vice President, Gas Transmission, Southern California Gas Company	Phone
<b>WGQ END USERS SEGMENT</b>		
Valerie Crockett	Senior Energy & Policy Specialist, Tennessee Valley Authority	In Person
Timothy W. Gerrish	Director of Origination-Energy Marketing and Trading, Florida Power & Light	Phone



## North American Energy Standards Board

1301 Fannin, Suite 2350, Houston, Texas 77002  
Phone: (713) 356-0060, Fax: (713) 356-0067, E-mail: [naesb@naesb.org](mailto:naesb@naesb.org)  
Home Page: [www.naesb.org](http://www.naesb.org)

		ATTENDANCE
Tina Burnett	Natural Gas Resources Administrator, The Boeing Co.	Phone
Lori-Lynn C. Pennock	Senior Fuel Supply Analyst, Salt River Project	In Person
Jim Templeton	Principal, Comprehensive Energy Services	In Person
<b>WGQ SERVICES SEGMENT</b>		
Steve Abbey	Manager of Regulatory Affairs, Marketing Department, Anadarko	Phone
Rusty Brazil	Managing Director, Bentek Energy, LLC	
Jim Buccigross	Vice President Energy Industry Practice, 8760 Inc.	Phone
Lori Leeder	Relationship Manager/Business Development – Asset Optimization, Vega Energy Partners	In Person
<b>REQ SUPPLIERS SEGMENT</b>		
Robert K. Koger	President, North Carolina Advanced Energy Corporation	
<b>REQ DISTRIBUTORS SEGMENT</b>		
David Koogler	Director – State Regulation, Dominion Virginia Power	
Dennis Derricks	Director Regulatory Policy and Analysis, Wisconsin Public Service Corporation	Phone
Ruth Kiselewich	Director, Conservation Programs, Baltimore Gas & Electric Company	In Person
Debbie McKeever	Market Advocate, Oncor	
<b>REQ END USERS SEGMENT</b>		
Sonny Popowsky	Consumer Advocate, Pennsylvania Office of Consumer Advocate	
James P. Cargas	Senior Assistant City Attorney, City of Houston	In Person
<b>REQ SERVICE PROVIDERS SEGMENT</b>		
Jim Minneman	Controller, PPL Solutions LLC	In Person
David Pickles	Vice President, ICF International	
J Cade Burks	President, EC Power	In Person
Austin Morris	Managing Partner – Energy, Sungard Consulting Services, LLC	In Person
<b>WEQ TRANSMISSION SEGMENT</b>		<b>SUB SEG:</b>
Dan Klempel	Director Transmission Regulatory Compliance, Basin Electric Power Cooperative	Muni/Coop
Chuck Feagans	Senior Manager, Reliability Policy, Tennessee Valley Authority	Fed/State/Prov. Phone
John E. Lucas	Director - Transmission Policy and Services, Southern Company Transmission	IOU In Person
Jill Horswell	Director Transmission, Southern California Edison	at large Phone
Edward J. Davis	Policy Consultant, Entergy Services, Inc.	at large Phone
Michelle Mizumori	Market Interface Manager, Western Electricity Coordinating Council (WECC)	At-Large Phone
<b>WEQ GENERATION SEGMENT</b>		
Curtis Winterfeld	Vice President of Power Marketing, Deseret Generation & Transmission Cooperative	Muni/Coop
Belinda Thornton	General Manager – Energy Origination, Tennessee Valley Authority	Fed/State/Prov.
Lou Oberski	Director – Electric Market Policy, Dominion Resources Services, Inc.	IOU Phone
Charles W. Severance	Manager – Supply & Wholesale Services, Wisconsin Public Service Corporation	IOU Phone
Gloria Godson	Vice President Energy Policy, Conectiv Energy Supply, Inc.	Merchant
Shah Hossain	Senior Regulatory Specialist, Westar Energy, Inc.	at large In Person
<b>WEQ MARKETERS/BROKERS SEGMENT</b>		
Roy True	Manager of Regulatory and Markets Development, ACES Power Marketing	Muni/Coop In Person
Jeff Ackerman	Manager, Colorado River Storage Project Energy Management and Marketing Office, Western Area Power Administration	Fed/State/Prov. In Person
Jack Cashin	Senior Manager of Policy, Electric Power Supply Association (EPSA)	at large
Sam Forrest	Vice President, Energy Marketing and Trading, Florida Power & Light	IOU



# North American Energy Standards Board

1301 Fannin, Suite 2350, Houston, Texas 77002  
Phone: (713) 356-0060, Fax: (713) 356-0067, E-mail: [naesb@naesb.org](mailto:naesb@naesb.org)  
Home Page: [www.naesb.org](http://www.naesb.org)

			ATTENDANCE
R. Scott Brown	Vice President and Director, Exelon Generation Power Team	IOU	Phone
Rick Smead	Director, Navigant Consulting, Inc.	At-Large	
<b>WEQ DISTRIBUTION/LOAD SERVING ENTITIES (LSE) SEGMENT</b>			
Arthur G. Fusco	Vice President and General Counsel, Central Electric Power Cooperative Inc.	Muni/Coop	Phone
Paul McCurley	Manager – Power Supply, National Rural Electric Cooperative Association	Muni/Coop	In Person
Frank Johnson	Senior Vice President Electric Transmission and Distribution, Consumers Energy	IOU	
Thomas Burgess	Director – FERC Compliance, FirstEnergy Service Company	at large	
Joe Hartsoe	Managing Director – Federal Policy, American Electric Power Service Corp.	at large	Phone
Bruce Ellsworth	New York State Reliability Council	At-Large	In Person
<b>WEQ END USERS SEGMENT</b>			
Aaron Breidenbaugh	Senior Manager – Regulatory Affairs and Public Policy – New York, EnerNOC, Inc.		
Thomas G. Dvorsky	Director of the Office of Electricity, Gas, and Water at the New York State Department of Public Service	Regulator	
Rick Lentz	Fellow with Sungard	at large	
Michehl Gent	Open Access Technology International, Inc.	At-Large	In Person
<b>WEQ INDEPENDENT GRID OPERATORS/PLANNERS</b>			
Michael Desselle	Vice President Process Integrity, Southwest Power Pool		In Person
Kent Saathoff	Vice President of System Operations, ERCOT		
Kevin Kirby	Vice President Market Operations, ISO New England, Inc.		Phone
Rana Mukerji	Vice President Market Structures, New York Independent System Operator, Inc. (NYISO)		Phone
Andy Ott	Senior Vice President Marketing, PJM Interconnection		In Person
Bill Phillips	Vice President Standards Compliance & Strategy, Midwest ISO (MISO)		Phone
Don Tench	Director Planning & Assessments, Independent Electricity System Operator (IESO)		Phone
<b>RGQ DISTRIBUTORS SEGMENT</b>			
Alonzo Weaver	Vice President of Engineering and Operations, Memphis Light, Gas & Water Division (APGA)		In Person
Ralph Cleveland	Senior Vice President – Engineering and Operations, AGL Resources, Inc.		In Person
<b>SERVICE PROVIDERS SEGMENT</b>			
Leigh Spangler	President, Latitude Technologies Inc.		
Dave Darnell	President & CEO, Systrends USA		
Greg Lander	President, Capacity Center		

The subsegments noted in the above roster are:

At-Large – Regional reliability organizations, regional transmission organizations, consultants, service companies, information services and software companies, law firms, and other such organizations that are not specifically encompassed in the other subsegments for a given segment.

Competitive Retailer (not available to MUNI/COOP, IOU or IOU affiliates)

End Use (also in another segment)

Federal/State/Provincial

IOU – Investor Owned Utility or IOU Affiliated

ITC – Independent Transmission Company

Large Industrials (not in other segments)

Merchant

Muni/Coop – Municipals, Cooperatives

Not IOU Affiliated

OTHER – (not available to MUNI/COOP, IOU or IOU affiliates)

Regulator

Residential/Commercial

End Use (Self Generation)

The numbers of seats within each segment that are allotted to sub-segments are controlled through the WEQ Procedures.



## North American Energy Standards Board

1301 Fannin, Suite 2350, Houston, Texas 77002  
Phone: (713) 356-0060, Fax: (713) 356-0067, E-mail: [naesb@naesb.org](mailto:naesb@naesb.org)  
Home Page: [www.naesb.org](http://www.naesb.org)

---

### 10. Other Attendance

Name	Organization	Attendance
Jonathan Booe	NAESB	In Person
Bill Boswell	NAESB	In Person
Jim Buccigross	8760 Inc.	Phone
Kathryn Burch	Spectra Energy Transmission	In Person
Christopher Burden	Williams Gas Pipeline	In Person
Cory Cummings	NAESB	In Person
Deonne Cunningham	NAESB	In Person
Dale Davis	Williams Gas Pipeline	In Person
Mark Gracey	Tennessee Gas Pipeline	In Person
Bill Lohrman	FERC	In Person
Bruce McAllister	FERC	In Person
Rae McQuade	NAESB	In Person
Joelle Ogg	Brunenkant & Cross, LLP	In Person
Phil Precht	BGE	Phone
Denise Rager	NAESB	In Person
Andy Rodriquez	NERC	In Person
Lisa Simpkins	Constellation Energy	Phone
Ed Skiba	Midwest ISO	In Person
Gwen Schoepp	Williston Basin Pipeline	Phone
Veronica Thomason	NAESB	In Person
Jill Vaughn	Preferred Legal Services	In Person
Kim Van Pelt	Panhandle Eastern Pipeline	In Person
Eric Winkler	ISO New England	Phone
Darla Wishart	NAESB	In Person
Charles Yeung	SPP	In Person
Kathy York	Tennessee Valley Authority	In Person



# North American Energy Standards Board

1301 Fannin, Suite 2350, Houston, Texas 77002  
Phone: (713) 356-0060, Fax: (713) 356-0067, E-mail: [naesb@naesb.org](mailto:naesb@naesb.org)  
Home Page: [www.naesb.org](http://www.naesb.org)

**NORTH AMERICAN ENERGY STANDARDS BOARD**  
**2009 WGQ Annual Plan as Approved by the Board on June 25, 2009**

Item Description	Completion <sup>i</sup>	Assignment <sup>ii</sup>
<b>1. Damage Reporting for Natural Gas Pipeline Facilities</b>		
Review and develop standards as appropriate to support posting of information as noted in Docket No. RM06-18-000, <a href="#">Order No. 682</a> and Docket No. RM06-18-001, <a href="#">Order No. 682-A</a> . Review transmission line damage reporting to identify commonality and apply as appropriate. Status: Complete	2 <sup>nd</sup> Q, 2009	Interpretations
<b>2. Contracts Activities</b>		
a. Update ISDA Gas Annex to correspond to the updated NAESB Base Contract for Sale and Purchase of Sale of Natural Gas, dated September 5, 2006. Status: Underway	3 <sup>rd</sup> Q, 2009	Contracts
b. Revise the Trading Partner Agreement TPA by removing the Exhibits from the agreement and relegate such information as contained in the Exhibits to operational worksheet(s), ( <a href="#">R08015</a> ). Status: Complete	2 <sup>nd</sup> Q, 2009	Joint Retail BPS/WGQ Contracts
<b>3. Gas-Electric Interdependency</b>		
Respond to directives of <a href="#">FERC Order No. 698 issued 6-25-07</a> , Docket Nos. <a href="#">RM05-5-001</a> and <a href="#">RM96-1-027</a> as related to the NAESB reports submitted in Docket No. <a href="#">RM05-28-000</a> :		
a. ¶ 56 of Order No. 698: "... Under the Commission regulations, the releasing shipper is responsible for clearly setting out the terms and conditions of the release and that would include the means for implementing the formula rate. <u>This is also an issue on which NAESB can develop standards to ensure that such releases can be processed quickly and efficiently.</u> " (emphasis added)		
i.) Prepare fully staffed recommendation Status: Complete	2 <sup>nd</sup> Q, 2009	BPS, IR/Technical
b. Provide for Enhanced Granularity for Public Utilities in Identifying Critical Operational Flow Orders. ( <a href="#">R08020</a> ) Status: Underway	4 <sup>th</sup> Q, 2009	BPS, IR/Tech jointly with WEQ BPS
<b>4. Promotion of a More Efficient Capacity Release Market</b>		
Review FERC Order Nos. 712 and 712A and modify NAESB standards as appropriate ( <a href="#">Docket Nos. RM08-1-000, RM08-1-001</a> ).		
a. Develop business practice standards as appropriate Status: Complete	2 <sup>nd</sup> Q, 2009	BPS/Interpretations
b. Prepare fully staffed recommendation Status: Complete	2 <sup>nd</sup> Q, 2009	BPS, Interpretations, IR and Technical



## North American Energy Standards Board

1301 Fannin, Suite 2350, Houston, Texas 77002  
Phone: (713) 356-0060, Fax: (713) 356-0067, E-mail: [naesb@naesb.org](mailto:naesb@naesb.org)  
Home Page: [www.naesb.org](http://www.naesb.org)

**NORTH AMERICAN ENERGY STANDARDS BOARD**  
**2009 WGQ Annual Plan as Approved by the Board on June 25, 2009**

Item Description	Completion <sup>i</sup>	Assignment <sup>ii</sup>
<b>5. Capacity Release EDI Review</b>		
Review capacity release transactions upload and related responses to determine suitability for EDI		
a. Conduct Technical Investigation and prepare report for BPS consideration Status: Not Started (Dependent on conclusion of Item 4)	4 <sup>th</sup> Q, 2009	IR/Technical
b. Develop Business Practice Standards as appropriate Status: Not Started (Adjustments may be made to Completion Dates based on report from Item 5.a)	4 <sup>th</sup> Q, 2009	BPS
c. Prepare fully staffed recommendation Status: Not Started (Adjustments may be made to Completion Dates based on report from Item 5.a)	1 <sup>st</sup> Q, 2010	BPS, IR/Technical
<b>6. Customer Security Administration</b>		
Review and develop standards as appropriate to support Customer Security Administration Standards ( <a href="#">Comment Submittal, 10-29-07</a> ) Status: Not started (Scoping to take place 3 <sup>rd</sup> Q, 2009 after which a Completion Date will be set)	2009	BPS
<b>7. Gas Quality Reporting</b>		
a. Respond to directives of FERC Docket No. RP07-504-000: ¶ 10 "... develop a uniform set of standards regarding the posting of rapidly changing gas quality information applicable to those pipelines which are required by their tariffs to do so." ( <a href="#">Docket No. RP07-504-000</a> ) Status: Complete	1 <sup>st</sup> Q, 2009	BPS
b. Prepare fully staffed recommendation Status: Complete	2 <sup>nd</sup> Q, 2009	IR/Technical
<b>8. Standards of Conduct</b>		
Review and develop standards, as appropriate, to support posting of standards of conduct information pursuant to <a href="#">Docket No. RM07-1-000, Order No. 717</a> Status: Complete	1 <sup>st</sup> Q, 2009	BPS
<b>9. Electronic Delivery Mechanisms</b>		
Review minimum technical characteristics in Appendices B, C, and D of the WGQ QEDM Manual, and make changes as appropriate. Status: Complete	1 <sup>st</sup> Q, 2009	EDM



## North American Energy Standards Board

1301 Fannin, Suite 2350, Houston, Texas 77002  
Phone: (713) 356-0060, Fax: (713) 356-0067, E-mail: [naesb@naesb.org](mailto:naesb@naesb.org)  
Home Page: [www.naesb.org](http://www.naesb.org)

---

**NORTH AMERICAN ENERGY STANDARDS BOARD**  
**2009 WGQ Annual Plan as Approved by the Board on June 25, 2009**

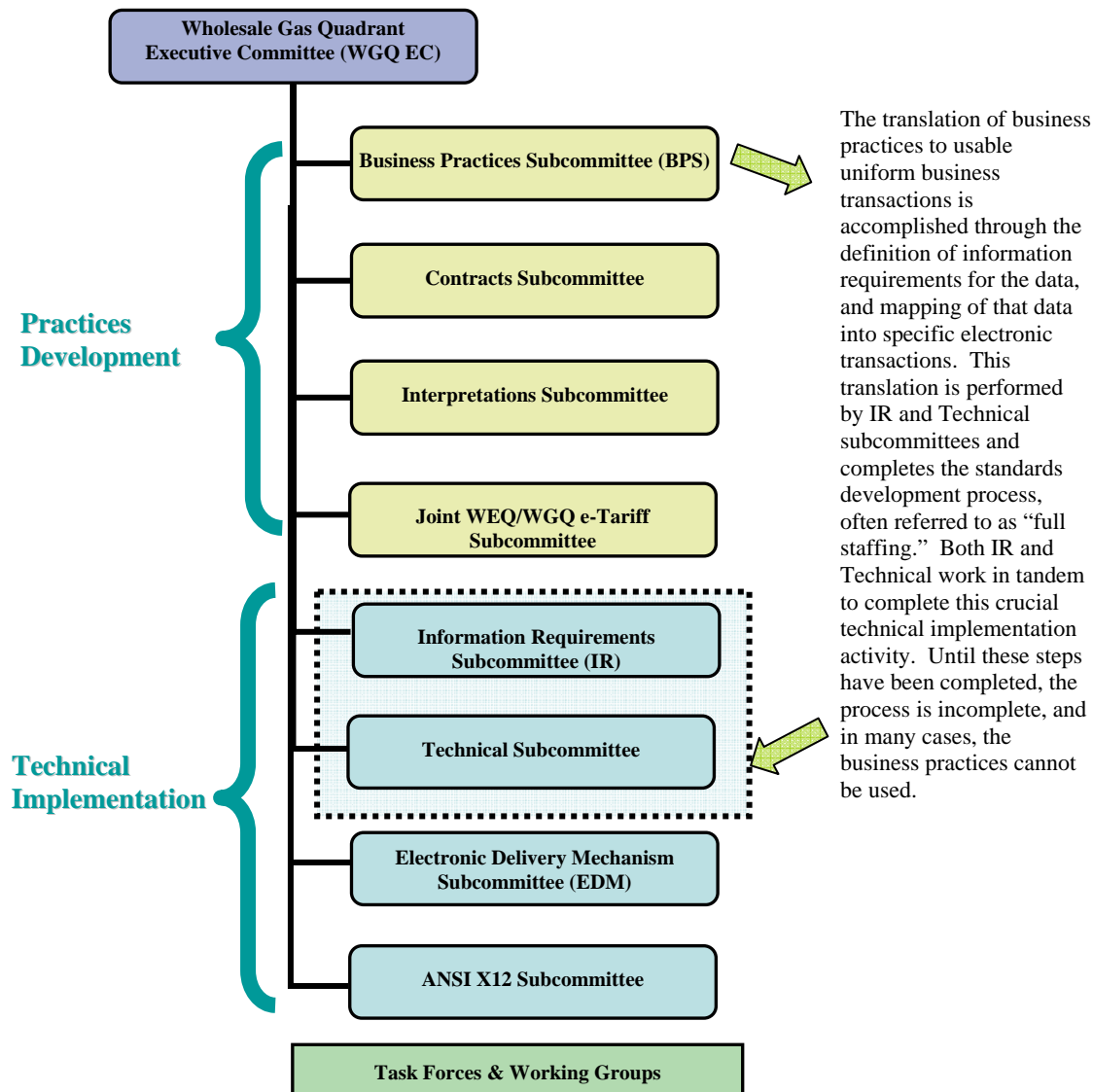
---

<b>Item Description</b>	<b>Completion<sup>i</sup></b>	<b>Assignment<sup>ii</sup></b>
<b>Program of Standards Maintenance &amp; Fully Staffed Standards Work</b>		
Business Practice Requests	Ongoing	Assigned by the EC <sup>iii</sup>
Continue review against plan for migration to ANSI ASC X12 new versions as needed and coordinate such activities with DISA.	Ongoing	ANSI X12 Subcommittee
Information Requirements and Technical Mapping of Business Practices	Ongoing	Assigned by the EC <sup>4</sup>
Interpretations for Clarifying Language Ambiguities	Ongoing	Assigned by the EC <sup>4</sup>
Maintenance of Code Values and Other Technical Matters	Ongoing	Assigned by the EC <sup>4</sup>
<b>Provisional Activities</b>		
Respond to requests as received that are related to Docket No. <a href="#">AD06-11-000</a> (Market Transparency Reporting).		

---

# North American Energy Standards Board

1301 Fannin, Suite 2350, Houston, Texas 77002  
Phone: (713) 356-0060, Fax: (713) 356-0067, E-mail: [naesb@naesb.org](mailto:naesb@naesb.org)  
Home Page: [www.naesb.org](http://www.naesb.org)



## NAESB 2009 WGQ EC and Subcommittee Leadership:

Executive Committee: Jim Buccigross, Chair and Mike Novak, Vice-Chair  
 Business Practices Subcommittee: Kim Van Pelt, Valerie Crockett, Steve Abbey and Richard Smith  
 Information Requirements Subcommittee: Dale Davis  
 Technical Subcommittee: Mike Stender, Kim Van Pelt  
 Contracts Subcommittee: Keith Sappenfield  
 Electronic Delivery Mechanism Subcommittee: Leigh Spangler, Christopher Burden  
 Interpretations Subcommittee: Paul Love  
 Joint WEQ/WGQ e-Tariff Subcommittee: Keith Sappenfield, Jane Daly



## North American Energy Standards Board

1301 Fannin, Suite 2350, Houston, Texas 77002  
Phone: (713) 356-0060, Fax: (713) 356-0067, E-mail: [naesb@naesb.org](mailto:naesb@naesb.org)  
Home Page: [www.naesb.org](http://www.naesb.org)

---

---

### End Notes WGQ 2009 Annual Plan:

<sup>i</sup> Dates in the completion column are by end of the quarter for completion by the assigned committee. The dates do not necessarily mean that the standards are fully staffed to be implementable by the industry, and/or ratified by membership. If one item is completed earlier than planned, another item can begin earlier and possibly complete earlier than planned. There are no begin dates on the plan.

<sup>ii</sup> The assignments are abbreviated. The abbreviations and committee structure can be found at the end of the annual plan document.

<sup>iii</sup> The EC assigns maintenance of existing standards on a request-by-request basis.



# North American Energy Standards Board

1301 Fannin, Suite 2350, Houston, Texas 77002  
Phone: (713) 356-0060, Fax: (713) 356-0067, E-mail: [naesb@naesb.org](mailto:naesb@naesb.org)  
Home Page: [www.naesb.org](http://www.naesb.org)

**NORTH AMERICAN ENERGY STANDARDS BOARD  
2009 ANNUAL PLAN for the RETAIL GAS and ELECTRIC QUADRANTS  
Adopted by the NAESB Board of Directors on June 25, 2009**

Item Number & Description <sup>i</sup>	Completion <sup>ii</sup>	Assignment <sup>iiiiv</sup>
1. Electronic Retail Billing.  Develop Technical Electronic Implementation Standards and Data Dictionaries – Book 9: Customer Billing and Payment Notification via Uniform Electronic Transactions, ( <a href="#">R05016</a> and <a href="#">Attachment</a> , submitted by Wal-Mart/J.C. Penney) Status: Complete	2 <sup>nd</sup> Q, 2009	TEIS
2. Develop Technical Electronic Implementation Standards and Data Dictionaries – Book 8: Customer Information Status: Complete	2 <sup>nd</sup> Q, 2009	TEIS
3. Develop Technical Electronic Implementation Standards and Data Dictionaries – Book 10: Customer Enrollment, Drop and Account Information Change (Non Texas Model) Status: Complete	2 <sup>nd</sup> Q, 2009	TEIS
4. Customer Inquiries		
a. Develop Model Business Practices and procedures for responding to customer inquiries directed to Distributors and/or Suppliers and for notification of the other party. Status: Complete	2 <sup>nd</sup> Q, 2009	BPS
b. Develop Technical Electronic Implementation Standards to support MBPs for customer inquiries directed to Distributors and/or Suppliers and for notification of the other party. Status: Underway	3 <sup>rd</sup> Q, 2009	IR/TEIS/Texas Task Force
5. Develop NAESB Certification checklist criteria for Retail Quadrants to be used in the NAESB Certification Program. Status: Not Started. Dependent upon publication of Version 1.1 at a minimum, but more dependent upon completion of Customer Choice efforts.	4 <sup>th</sup> Q, 2009	Ad Hoc EC Certification Group
6. Review and develop needed model business practices for a standardized method for quantifying benefits, savings, cost avoidance and/or the reduction in energy demand and usage derived from the implementation of demand side management and energy efficiency programs. This effort will include demand side response, energy efficiency programs and metering, including the 'curtailment service provider' program. Status: Underway		Joint WEQ/REQ DSM Subcommittee
a. Develop matrix and business practice standards for measurement and verification for demand response products and services in ISO/RTO footprint areas. Status: Completed	4 <sup>th</sup> Q, 2008	WEQ Section of the Joint WEQ/REQ DSM Subcommittee
b. Develop more detailed technical standards for the measurement and verification of demand response products and services in ISO-RTO footprint areas. Status: Underway	Phase 2	WEQ Section of the Joint WEQ/REQ DSM Subcommittee
c. Develop preamble for business practice standards for measurement and verification for demand response and energy efficiency programs. Status: Underway	3 <sup>rd</sup> Q, 2009	Joint WEQ/REQ DSM Subcommittee



## North American Energy Standards Board

1301 Fannin, Suite 2350, Houston, Texas 77002  
Phone: (713) 356-0060, Fax: (713) 356-0067, E-mail: [naesb@naesb.org](mailto:naesb@naesb.org)  
Home Page: [www.naesb.org](http://www.naesb.org)

**NORTH AMERICAN ENERGY STANDARDS BOARD  
2009 ANNUAL PLAN for the RETAIL GAS and ELECTRIC QUADRANTS  
Adopted by the NAESB Board of Directors on June 25, 2009**

Item Number & Description <sup>i</sup>	Completion <sup>ii</sup>	Assignment <sup>iiiiv</sup>
d. Develop glossary for business practice standards Status: Underway	3 <sup>rd</sup> Q, 2009	Joint WEQ/REQ DSM Subcommittee
e. Support retail development of matrix and model business practice standards for measurement and verification for demand response programs Status: Underway	3 <sup>rd</sup> Q, 2009	Retail Section of the Joint WEQ/REQ DSM Subcommittee
f. Develop business practice standards to measure and verify energy reductions that are made to comply with a Renewable Portfolio Standard that included energy efficiency or a stand-alone Energy Efficiency Portfolio Standard. Status: Scoping Underway (Scope to be initiated in 2 <sup>nd</sup> Q, 2009, after which a completion date will be set)	Phase 2*	WEQ Section of the Joint WEQ/REQ/RGQ DSM Subcommittee
g. Develop business practice standards to factor Demand Control and Energy Efficiency programs into reliability / supply decisions at the wholesale level for generation and transmission planning and operations. Status: Scoping Underway (Scope to be initiated in 2 <sup>nd</sup> Q, 2009, after which a completion date will be set)	Phase 2*	WEQ Section of the Joint WEQ/REQ/RGQ DSM Subcommittee
h. Develop business practice standards to support cap and trade programs for green house gas. Status: Scoping Underway (Scope to be initiated in 2 <sup>nd</sup> Q, 2009 at the earliest. Upon conclusion of the scoping statement it will be determined whether NAESB standards development is appropriate)	Phase 2*	Joint WEQ/REQ/RGQ DSM Subcommittee
7. Revise the Trading Partner Agreement TPA by removing the Exhibits from the agreement and relegate such information as contained in the Exhibits to operational worksheet(s), ( <a href="#">R08015</a> ). Status: Complete	2 <sup>nd</sup> Q, 2009	Joint Retail/WGQ Contracts
8. Billing and Payments		
a. Develop Process Flows to be included as models in book 3 – billing and payments Status: Underway	3 <sup>rd</sup> Q, 2009	BPS
b. If the development of Process Flows indicate a gap in the model business practices, then develop new model business practices to address the gap. Status: Underway	3 <sup>rd</sup> Q, 2009	BPS
9. Model Business Practices User Guide Add a new section to Book 0 to describe what Books have been developed, how the Books are laid out, and revised the title of the Book to reflect the additions Status: Not Started	4 <sup>th</sup> Q, 2009	BPS
10. Additional Registration Agent Processes		
a. Review all existing Model Business Practices to determine if the Service Request process is already covered, and if necessary develop any new Model	4 <sup>th</sup> Q, 2009	BPS

\* These items may be moved to Provisional Activities



# North American Energy Standards Board

1301 Fannin, Suite 2350, Houston, Texas 77002  
Phone: (713) 356-0060, Fax: (713) 356-0067, E-mail: [naesb@naesb.org](mailto:naesb@naesb.org)  
Home Page: [www.naesb.org](http://www.naesb.org)

**NORTH AMERICAN ENERGY STANDARDS BOARD  
2009 ANNUAL PLAN for the RETAIL GAS and ELECTRIC QUADRANTS  
Adopted by the NAESB Board of Directors on June 25, 2009**

Item Number & Description <sup>i</sup>	Completion <sup>ii</sup>	Assignment <sup>iiiiv</sup>
Business Practices required Status: Underway		
b. Review all existing Model Business Practices to determine if the update Customer Information process is already covered, and if necessary develop any new Model Business Practices required Status: Underway	4 <sup>th</sup> Q, 2009	BPS
c. Review all existing Model Business Practices to determine if the disconnection and reconnection process is already covered, and if necessary develop any new Model Business Practices required. Status: Underway	4 <sup>th</sup> Q, 2009	BPS
d. Review all existing Model Business Practices to determine if the billing & payment process is already covered, and if necessary develop any new Model Business Practices required Status: Underway	4 <sup>th</sup> Q, 2009	BPS
11. Supplier Certification Review Book 1 – Market Participant Interactions to determine if Supplier Certification is fully covered, and if necessary develop any new Model Business Practices required with the potential of moving all related Model Business Practices to a new Book Status: Not Started	4 <sup>th</sup> Q, 2009	BPS
12. Supplier Marketing Practices Develop Model Business Practices providing for a “Consumer Disclosure Statement” to be presented to residential and small commercial customers describing the Supplier’s service offering and related contract provisions. This statement would also identify how certain Supplier-Customer interactions are conducted. Amongst the topics to be considered for inclusion on the statement would be the following: <ul style="list-style-type: none"> <li>• the most important terms of the Supplier agreement, such as the contract’s term and termination fee provisions;</li> <li>• training and identification of Supplier marketing representatives;</li> <li>• protocols for Supplier in-person and telephone contacts with customers;</li> <li>• added measures for protecting non-English speaking customers; and</li> <li>• Processes for handling customer complaints and resolving disputes arising from Supplier marketing activities.</li> </ul> Status: Not Started	4 <sup>th</sup> Q, 2009	BPS



## North American Energy Standards Board

1301 Fannin, Suite 2350, Houston, Texas 77002  
Phone: (713) 356-0060, Fax: (713) 356-0067, E-mail: [naesb@naesb.org](mailto:naesb@naesb.org)  
Home Page: [www.naesb.org](http://www.naesb.org)

**NORTH AMERICAN ENERGY STANDARDS BOARD  
2009 ANNUAL PLAN for the RETAIL GAS and ELECTRIC QUADRANTS  
Adopted by the NAESB Board of Directors on June 25, 2009**

Item Number & Description <sup>i</sup>	Completion <sup>ii</sup>	Assignment <sup>iiiiv</sup>
<b>Program of Standards Maintenance &amp; Fully Staffed Standards Work<sup>v</sup></b>		
Business Practice Requests	Ongoing	Assigned by the EC
Information Requirements and Technical Mapping of Business Practices	Ongoing	Assigned by the EC
Ongoing Interpretations for Clarifying Language Ambiguities	Ongoing	Assigned by the EC
Ongoing Maintenance of Code Values and Other Technical Matters	Ongoing	Assigned by the EC
Ongoing Development and Maintenance of Definitions	Ongoing	Glossary

### Provisional Activities

#### Joint Effort:

Supplier Certification: Develop practices for Distribution Companies to register/certify new Suppliers when they seek to begin doing business in the Distribution Company's service area.

Modify TPA as necessary.

Review security standards as may be deemed necessary, such as Public Key Infrastructure (PKI).

Review existing body of model business practices for consistency and develop or modify model business practices as needed.

#### Retail Electric Quadrant Effort Only:

Retail Meter Data Validation, Editing & Estimating: Develop procedures for insuring the integrity and validity of retail customer metering data that is needed by utilities and suppliers for billing, etc. Issues related to unbundled or competitive metering are not to be considered.

Settlement Process: Reconcile energy schedules and energy delivered by suppliers within a given market. Note: will need to be coordinated with the WEQ for the REQ.

#### Retail Gas Quadrant Effort Only:

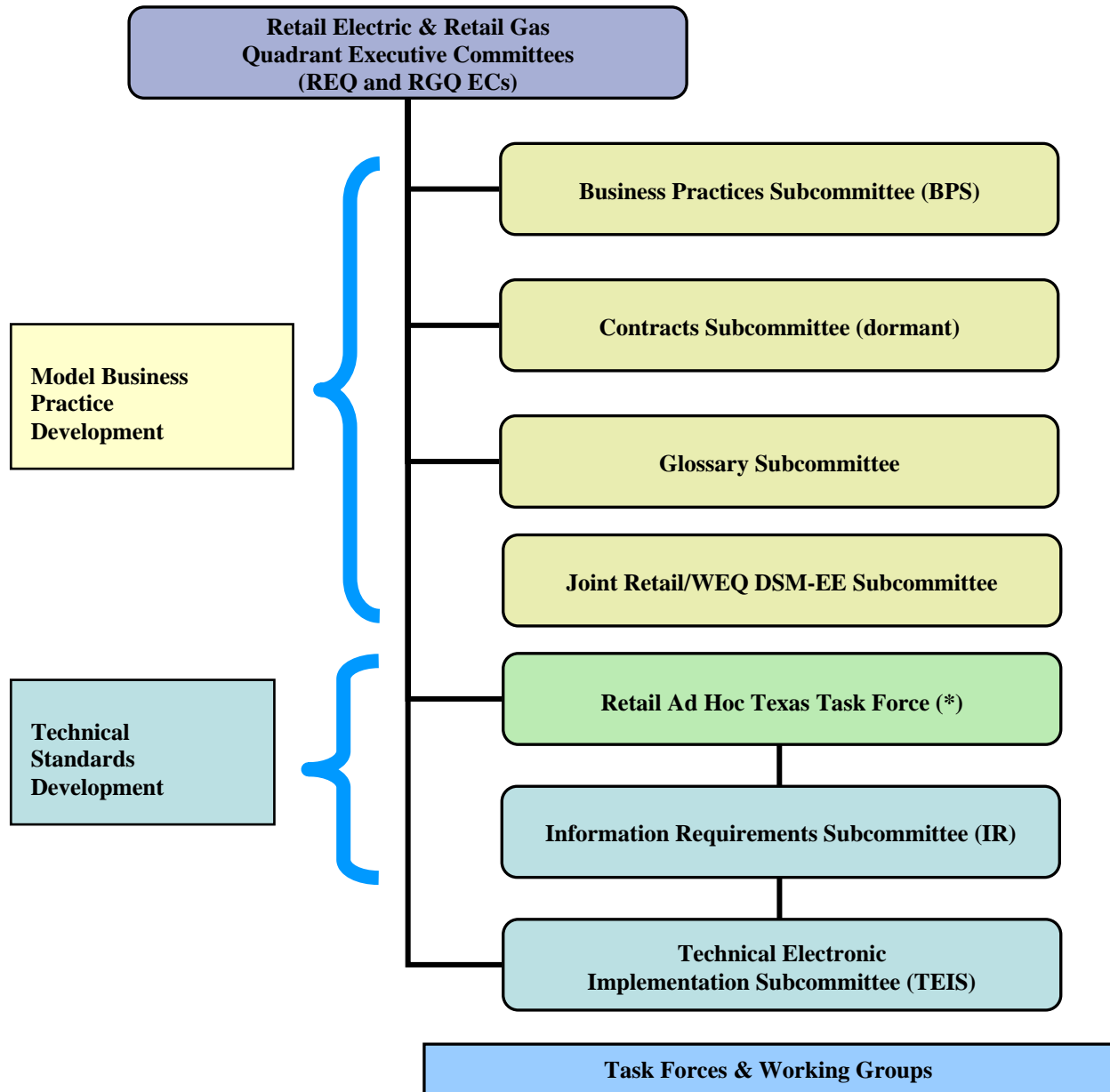
Examine Wholesale Gas Quadrant Non-EDM Standards for applicability to retail business practices.

Settlement Process: Reconcile energy schedules and energy delivered by suppliers within a given market.



# North American Energy Standards Board

1301 Fannin, Suite 2350, Houston, Texas 77002  
Phone: (713) 356-0060, Fax: (713) 356-0067, E-mail: [naesb@naesb.org](mailto:naesb@naesb.org)  
Home Page: [www.naesb.org](http://www.naesb.org)



**NAESB Retail Subcommittee Leadership:** <sup>vi</sup>

- Executive Committee: Mike Novak, Chair (RGQ), Ruth Kiselewich, Chair (REQ)
- Business Practices Subcommittee: Phil Precht (RGQ), Mary Edwards and Dan Jones (REQ)
- Information Requirements Subcommittee: Jennifer Teel (REQ)
- Technical Electronic Implementation Subcommittee: TBD
- Glossary Subcommittee: Don Sytsma (RGQ), Mary Edwards and Patrick Eynon (REQ)
- DSM-EE Subcommittee: Ruth Kiselewich, David Koogler (REQ), Roy True (WEQ), and Paul Wattles (WEQ)
- Retail Ad Hoc Texas Task Force: Debbie McKeever (REQ), Jennifer Teel (REQ), and Susan Munson (REQ)

(\*) The Retail Ad Hoc Texas Task Force may draft MBPs, process flows, implementation guides and technical standards supportive of the Registration Agent.



## North American Energy Standards Board

1301 Fannin, Suite 2350, Houston, Texas 77002  
Phone: (713) 356-0060, Fax: (713) 356-0067, E-mail: [naesb@naesb.org](mailto:naesb@naesb.org)  
Home Page: [www.naesb.org](http://www.naesb.org)

---

---

### Retail 2009 Annual Plan End Notes:

- <sup>i</sup> As outlined in the NAESB Bylaws, the REQ and RGQ will also address requests submitted by members and assigned to the REQ and RGQ through the Triage Process.
- <sup>ii</sup> Dates in the completion column are by end of the quarter for completion by the assigned committee. The dates do not necessarily mean that the standards are fully staffed to be implementable by the industry, and/or ratified by membership. If one item is completed earlier than planned, another item can begin earlier and possibly complete earlier than planned. There are no begin dates on the plan.
- <sup>iii</sup> The assignments are abbreviated. The abbreviations and committee structure can be found at the end of the annual plan document.
- <sup>iv</sup> The DSM-EE subcommittee is expected to be split into several separate subcommittees to support concurrent development of separate standards sets. The split is to take place at the end of May after which the assignments will be modified.
- <sup>v</sup> This work is considered routine maintenance and thus the items are not separately numbered. The REQ and RGQ ECs will assign maintenance efforts on a request-by-request basis.
- <sup>vi</sup> The ECs and the subcommittees can create task forces and working groups to support their development activities for development of model business practices and technical standards.



## North American Energy Standards Board

1301 Fannin, Suite 2350, Houston, Texas 77002  
Phone: (713) 356-0060, Fax: (713) 356-0067, E-mail: [naesb@naesb.org](mailto:naesb@naesb.org)  
Home Page: [www.naesb.org](http://www.naesb.org)

---

### NAESB Retail Structure Review Committee

At the request of the NAESB Board of Directors, the Retail Structure Review Committee met on December 10, 2008 to discuss the future of the Retail Quadrants. During this meeting, the participants discussed five potential solutions to the membership issues faced by both the Retail Gas and Retail Electric Quadrants. These solutions included: (1) merging the Retail Gas and Retail Electric Quadrants, (2) merging the Retail Quadrants and the Wholesale Quadrants, (3) indefinitely discontinuing the work of the Retail Quadrants or significantly restricting the work that will be undertaken by the Retail Quadrants, (4) dissolving the Retail Quadrants, or (5) continuing the existing structure for 2009-2010. The following resulted from that meeting:

#### Goals

The participants determined that the course of action pursued by the Organization should not conflict with the following overarching goals:

- (1) The course of action should not negatively affect the overall membership of NAESB.
- (2) The course of action should not negatively affect the current financial standing of the Organization.
- (3) The course of action should increase the credibility of the membership and representation of the retail market.
- (4) The course of action should strengthen the leadership of the organization and address the number of vacant Board and Executive Committee seats in both the Retail Gas and Retail Electric Quadrants.

#### Solutions

The participants reviewed the five courses of action outlined above and discussed how those courses of action relate to the overarching goals established by the participants.

Merging the Retail Gas and Retail Electric Quadrants: Based upon the current membership, if the Retail Quadrants merged, the combined membership of the two Quadrants would not satisfy the minimum requirements for a Quadrant established in the NAESB By-Laws. Also, it would become unnecessary for companies that currently hold memberships in both Quadrants to continue with multiple memberships. This would result in a reduction to the overall membership while not achieving the minimum membership goal in the By-Laws.

Merging the Retail Quadrants and the Wholesale Quadrants: The interests of the Wholesale Quadrants and Retail Quadrants are very different. As a result, members, whose interests lie within the Retail market or Wholesale market, would have to spend a significant amount of time addressing issues which are not applicable to their interests. This would diminish the value of membership within NAESB and damage the credibility of the Organization, as standards would be evaluated by members of unaffected markets.

Indefinitely discontinuing the work of the Retail Quadrants or significantly restricting the work that will be undertaken by the Retail Quadrants: This course of action would be appropriate if there is no further work of value to industry to be done by the Quadrants. The Retail industry's focus on business practice standards has shifted from those relating to customer choice and competition to those concerning DSM/EE programs. As such, the Retail Quadrants role in facilitating that standards development is significant and should not be discontinued or limited.

Dissolving the Retail Quadrants: See above

Continuing the existing structure for 2009-2010: The membership issues faced by the Retail Quadrants have been unresolved for several years. Given the condition of the current market and the Quadrant's potential for growth, it is in the Organizations best interest to take action to address the Quadrants issues and develop a sustainable structure within the Organization.

#### Suggested Course of Action

The Retail Structure Review Committee recommends that the Retail Quadrants focus development work on the emerging areas of energy efficiency and demand side management. As a result the current segment structure should



## North American Energy Standards Board

1301 Fannin, Suite 2350, Houston, Texas 77002  
Phone: (713) 356-0060, Fax: (713) 356-0067, E-mail: [naesb@naesb.org](mailto:naesb@naesb.org)  
Home Page: [www.naesb.org](http://www.naesb.org)

---

be modified. The current segment structure of the Quadrants was appropriate for development of model business practices for customer choice and competition but is no longer appropriate given the shifting focus of the Quadrants' work.. The Quadrants could be restructured so that current members, including those holding Retail Board and Executive Committee seats, would be minimally affected, and more accurately represent the current Retail market activities. This course of action would satisfy the goals established by the Retail Structure Review Committee and lead to the sustainability of the Retail Quadrants.



## North American Energy Standards Board

1301 Fannin, Suite 2350, Houston, Texas 77002  
Phone: (713) 356-0060, Fax: (713) 356-0067, E-mail: [naesb@naesb.org](mailto:naesb@naesb.org)  
Home Page: [www.naesb.org](http://www.naesb.org)

---

via posting

**TO:** NAESB Board of Directors, NAESB Advisory Council, NAESB Wholesale Electric Quadrant Executive Committee Members and Alternates, NAESB Retail Electric Quadrant Executive Committee Members and Alternates and Interested Industry Participants

**FROM:** Jonathan Booe and Rae McQuade

**RE:** NAESB Assignments Resulting from August 3-4, 2009 NIST Smart Grid Standards Workshop

**DATE:** August 12, 2009

---

Dear NAESB Advisory Council, WEQ and REQ Board Members, Executive Committee Members and Alternates,

As reported at the March 26, 2009 and June 25, 2009 Board meetings and the May 12, 2009 WEQ Executive Committee ("EC") meeting, the NAESB leadership, including several Advisory Council members, and NAESB staff have been involved in the national smart grid development initiative being led by the National Institute of Standards and Technology ("NIST"). This involvement has included a number of meetings with NIST, FERC commissioners and staff, NARUC leadership, DOE, EEI, ELCON, and many other organizations with an interest in the smart grid development, as well as, attendance at all of the three smart grid workshops hosted by NIST and EPRI and EPRI web presentations.

The purpose of our involvement in the initiative has been to ensure that the interests of the NAESB membership are both recognized and protected. We attended the workshops to identify where there may be conflicts between our work products and plans, and the standards development expected to support the Smart Grid implementation. In particular, as the federal legislation indicates that Smart Grid standards are to be coordinated by NIST and will be forwarded to the FERC for its consideration, we were very interested in seeing that the interests of our members -- especially those that interact with the regulated community, are represented.

In our meetings with the various organizations involved we have publicized the need for the electric industry community to participate in the Smart Grid standards development efforts and made it known that it is crucial that the electric industry, both wholesale and retail, weigh in on these standards in a balanced forum where all market players have an equal voice in the decision making process, which should be both transparent and well documented. We have discussed this issue with the leadership of other involved standards development organizations to promote the realization that the participants in the electric market should have a seat at their tables when decisions are made -- to ensure that the impact of these standards on the regulated community should FERC determine to take action is recognized. This is a still an ongoing concern.

As a result of our efforts, NAESB has been identified as an integral standards development organization that must be involved in the smart grid standards development process in two specific areas:

1. The development of a common pricing model and scheduling mechanism, and
2. The development of demand response and distributed energy resource signal semantics,

with a potential area noted for:

3. Cyber security aspects of the smart grid interoperability framework.

There remains some ambiguity on the assignment of leaders and the accountability for the success of the defined tasks for items 1 and 2. We have communicated such to NIST staff and will continue to do so, as NIST has the ultimate authority for making these assignments and coordinating the work effort. The ambiguity is exacerbated by the technical difficulties NIST has experienced with its web site (referred to as 'TWIKI', <http://collaborate.nist.gov/twiki-sggrid/bin/view/SmartGrid/WebHome>), and the resulting effect of the unavailability of needed documentation. Once the site and documentation are available, it is hoped that the ambiguity will be resolved. In addition, some of the confusion is to be expected though, as it is a massive undertaking for the NIST and EPRI staff to manage for more than a thousand participants.

In the NIST/EPRI Smart Grid meetings, we have begun work with Duke Energy, ISO New England, Edison Electric Institute, NERC, Reliant, AEP, Xtensible Solutions, E:SO (EC Power), FIX Protocol and Consumers Energy as well



## North American Energy Standards Board

1301 Fannin, Suite 2350, Houston, Texas 77002  
Phone: (713) 356-0060, Fax: (713) 356-0067, E-mail: [naesb@naesb.org](mailto:naesb@naesb.org)  
Home Page: [www.naesb.org](http://www.naesb.org)

---

as state commission staff to review assignments made to NAESB and determine how best to proceed. Please find attached the information that has been developed regarding the two specific areas assigned to NAESB contained in the “[Report to NIST on the Smart Grid Interoperability Standards Roadmap](#)” and the “[NIST Priority Action Plans](#).” The information includes both background on the tasks and deadlines and assignments. Also included in the appendices are the list of action plans, initial set of 16 NIST standards and both sets of NAESB comments to NIST. The comments filed on July 9 are not yet publicly available although NIST has noted that the 100+ comments are generally supportive of the 16 standards selected. The more than 90 comments filed on July 30 have been extracted and added to a HTML page on the NIST web site: <http://collaborate.nist.gov/twiki-sgrid/bin/view/SmartGridInterimRoadmap/InterimRoadmapFinal>.

We urge all interested parties to participate in this important development activity. We are in the process of forming task forces to address the issues assigned to NAESB and should you have interest, please let us know. Moreover, should your organization have interests in the other areas, we will work with you to access the correct groups so that you can provide input.

With Best Regards,

*Jonathan Booe*

---

Jonathan Booe  
Staff Attorney, NAESB

*Rae McQuade*

---

Rae McQuade  
President, NAESB

#### Attachments:

- Background Information on the Common Pricing Model and Scheduling Mechanism (PAP03<sup>1</sup> and PAP04)
- NAESB Tasks Related to the Common Pricing Model and Scheduling Mechanism
- Background Information on the Demand Response and Distributed Energy Resource Signal Semantics (PAP09)
- NAESB Tasks Related to the Demand Response and Distributed Energy Resource Signal Semantics

#### Appendices:

- A. List of NIST Smart Grid Priority Action Plans (PAPs)
- B. Appendix B: NIST Recognized Standards for Inclusion in the Smart Grid Interoperability Standards Framework, Release 1.0
- C. NAESB Comments to NIST on the Initial Set of 16 Standards that Comprise the Smart Grid Interoperability Standards Framework submitted on July 9, 2009
- D. NAESB Comments on the Report to NIST on the Smart Grid Interoperability Standards Roadmap submitted on July 30, 2009

---

<sup>1</sup> PAP references the NIST priority action plans for each of the areas to support standards development identified in the gap analysis performed by EPRI and NIST.



# North American Energy Standards Board

1301 Fannin, Suite 2350, Houston, Texas 77002  
 Phone: (713) 356-0060, Fax: (713) 356-0067, E-mail: [naesb@naesb.org](mailto:naesb@naesb.org)  
 Home Page: [www.naesb.org](http://www.naesb.org)

## Common Pricing Model and Scheduling Mechanism

BACKGROUND INFORMATION FOR THE COMMON PRICING MODEL AND SCHEDULING MECHANISM		
SOURCE	CITE	TEXT
Report to NIST on the Smart Grid Interoperability Standards Roadmap	Page 90, Section 6.1.1	<p><b>6.1.1 Common Pricing Model Standard</b></p> <p>The need for a common pricing model crosses all domains that use price. Price is more than a simple number; it carries market context, and information such as quantity, units, time for use, and characteristics including source type and potentially carbon characteristics. A common and interoperable pricing model is a key to Demand-Response systems, Dynamic Pricing in all its forms, and energy markets and trading including forward markets.</p> <p>The complexity of tariff structures and content means that to fully understand a price one needs to fully understand thousands of pages of tariffs for each jurisdiction. Driving toward simplified tariffs or (at minimum) machine-readable descriptions of tariffs would lead to more efficient markets. For example, the machine-readable tags for end user license agreements have simplified licensing decisions; a similar markup language for tariffs would allow better decisions in markets without implicit knowledge beyond price.</p> <p><b>Key Actions:</b></p> <p>(1) Develop and standardize a pricing model – NIST should work with IEEE, IEC, OASIS, ASHRAE, NAESB and other relevant SDOs to develop an approach for developing a common pricing model to traverse the entire value chain. The model must include price, currency, delivery time, and product definition.</p>
NIST Priority Action Plans – Illustrative Versions – July 30, 2009	Page 9, Section 3	<p><b>What: Develop Common Specification for Price and Product Definition</b></p> <p><b>Abstract:</b> Price is more than a number. Price is a number associated with product characteristics. Already identified product characteristics include delivery schedule, quality, environmental characteristics, and regulatory characteristics. A common specification for price is a precursor to new market developments, to demand response, to distributed energy resources, to understanding meter information, and to every other hand-off between domains.</p> <p><b>Description:</b> Shared responsibility for balancing energy production and consumption requires shared access to information about energy markets and actual use. Price is a common abstraction for market conditions including abundance, scarcity, and quality. Energy quality may include reliability, power quality, and source. Energy source may be as important as energy price to influencing consumption decisions in some scenarios.</p> <p>A common price model will define how to exchange energy characteristics, availability, and schedules to support free and effective exchange of information in any market. In financial markets, this type of description is called product definition. Although today's energy markets are almost exclusively wholesale, the product definition will be usable in other scenarios including retail markets and "prices to devices" scenarios. The completed price model will be used in Demand Response (DR) communications, in usage sharing between the meter and the premises Energy Service Interface, and in potential market operations</p> <p>Today's large-scale trading systems are built using the FIX (Financial Information) Protocol. The FIX product attribute dictionary already includes</p>



# North American Energy Standards Board

1301 Fannin, Suite 2350, Houston, Texas 77002  
 Phone: (713) 356-0060, Fax: (713) 356-0067, E-mail: [naesb@naesb.org](mailto:naesb@naesb.org)  
 Home Page: [www.naesb.org](http://www.naesb.org)

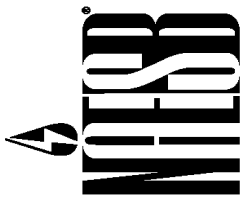
SOURCE	CITE	TEXT
		<p><b>BACKGROUND INFORMATION FOR THE COMMON PRICING MODEL AND SCHEDULING MECHANISM</b></p> <p>many elements used in today's wholesale energy markets; this plan's work can be completed more quickly if it re-uses this work. A common product profile compatible with FIX is a secondary deliverable of this plan.</p> <p>Energy prices and energy products are closely tied to schedules and intervals. Building systems and enterprise activities must share an understanding of those schedules for effective collaborative energy. Product definitions must include schedule information.</p> <p><b>Objectives:</b></p> <ul style="list-style-type: none"> <li>• Develop a summary of product characteristics of interest to energy consumers.</li> <li>• Develop summary of power reliability and quality characteristics that affect price and availability (supply side) and desirability (demand side).</li> <li>• Develop and implement a plan to expedite harmonized standards development and adoption within the associated standards bodies.</li> </ul> <p><b>Why:</b> Coordination of energy supply and demand requires a common understanding of supply and demand. Future energy markets will see greater variability than today. Consumer interests in green power, parallel markets for energy, and carbon regulations may create increased interest in energy sources. Distributed energy resources introduce new market focuses and new market sources.</p> <p>Better communication of actionable energy prices will help enable and expand efficient markets (including forward or futures markets) that satisfy growing demand for lower-carbon, lower-energy buildings, net zero-energy systems, and supply-demand integration that take advantage of dynamic pricing. Local generation and local storage require that the consumer (in today's situation) make investments in technology and infrastructure including electric charging and thermal storage systems. Businesses, homes, electric vehicles and the power grid will benefit from automated and timely communication of energy pricing, characteristics, quantities, and related information.</p> <p>A consistent model for market information exchange can be applied, with elaboration or use of defined subsets, to allow essentially the same information communication for homes, individual appliances, electric vehicles, small businesses, commercial buildings, office parks, neighborhood grids, and industrial facilities, simplifying communication flow and improving the quality of actions taken across the broad range of energy providers, distributors, and consumers. A consistent information model will reduce costs for implementation.</p> <p>Price and characteristics of energy are not necessarily simple. Retail markets typically have simple actionable information, in large measure because the retail markets combined with distribution are defined with clear and specific prices; wholesale markets are more complex, with transactions subject to later adjustments, e.g. for balancing costs, as well as the complexities of tariff market definitions. This work does not intend to address those complexities, rather to define a means for effective information exchange that permits immediate decisions—wholesale market participants must independently understand the complexities of the markets in which they operate. But a simple quotation of price, quantity, and characteristics in a consistent way across markets has significant value, even though the participants must understand and anticipate later adjustments.</p> <p>Without transparency and common formats, energy markets, as with other markets, are prone to manipulation and gaming. Pricing and product definition are the key to transparent market accounting. Commonly agreed upon schedule and interval information is essential to developing forward</p>



# North American Energy Standards Board

1301 Fannin, Suite 2350, Houston, Texas 77002  
 Phone: (713) 356-0060, Fax: (713) 356-0067, E-mail: [naesb@naesb.org](mailto:naesb@naesb.org)  
 Home Page: [www.naesb.org](http://www.naesb.org)

<b>BACKGROUND INFORMATION FOR THE COMMON PRICING MODEL AND SCHEDULING MECHANISM</b>	
SOURCE	TEXT
CITE	TEXT
<p>Report to NIST on the Smart Grid Interoperability Standards Roadmap</p>	<p>markets.</p> <p><b>Where:</b> Price and product definition is a common component of information exchange across almost every domain. In the evolving transactive power grid market communications will involve energy consumers, producers, transmission and distribution systems, and must enable aggregation for both consumption and curtailment resources. Market makers, such as Independent System Operators (ISOs), Regional Transmission Operators (RTOs), utilities, and other evolving mechanisms need to deliver actionable information in consistent formats as the Smart Grid evolves. With information in consistent formats, building and facility agents can make decisions on energy sale, purchase, and use that fit the goals and requirements of their home, business, or industrial facility.</p> <p>Price and product definition are critical to open market operations. Machine understandable product definitions will be included in any retail forward markets. Wherever a decision to use or not use energy is made, energy product definition and price are potential decision points.</p> <p><b>How:</b></p> <ul style="list-style-type: none"> <li>• Use interval and schedule formats from other domains, especially the WS-Calendar specifications.</li> <li>• Engage today's market makers in energy (ISO/RTOs) to better support today's markets</li> <li>• Engage FIX Protocol organization to supply those attributes and definitions already in use in commodity and energy markets. Extend FIX attributes as needed.</li> <li>• Engage NAESB to formulate market rules for FIX profiles.</li> </ul> <p><b>6.1.3.2 Common Scheduling Mechanism</b></p> <p>The Smart Grid will be a dynamic marketplace with many participants. Synchronized activities are dependent upon shared schedules. Scheduling activities, prices, maintenance, etc. will help level the playing field across the participants and support a dynamic, competitive, and efficient environment.</p> <p>ICALENDAR (IETF RFC 2445) [19] is a calendar exchange specification for time intervals. It is used for appointment and meeting invitations in personal calendars. This same functionality is needed for pricing, market bidding, weather predictions, building management, and other decisions.</p> <p>A web services standard, or WS-Calendar, could provide calendar functions to the Smart Grid. Development of the WS-Calendar standard could be quick since the requirements are well understood. WS-Calendar should be developed outside the Smart Grid effort as its anticipated uses extend into many business interactions. Development in a larger e-commerce sphere will lead to wider adoption and more benefit.</p> <p><b>Key Actions:</b></p> <p>(1) Communicate with Smart Grid stakeholders on scheduling standard – NIST shall communicate with Smart Grid stakeholders to determine if existing scheduling specifications may be used or whether new standards need to be created.</p>
Page 93, Section 6.1.3.2	



# North American Energy Standards Board

1301 Fannin, Suite 2350, Houston, Texas 77002  
 Phone: (713) 356-0060, Fax: (713) 356-0067, E-mail: [naesb@naesb.org](mailto:naesb@naesb.org)  
 Home Page: [www.naesb.org](http://www.naesb.org)

BACKGROUND INFORMATION FOR THE COMMON PRICING MODEL AND SCHEDULING MECHANISM		
SOURCE	CITE	TEXT
NIST Priority Action Plans – Illustrative Versions – July 30, 2009	Page 14, Section 4	<p>(2.a) If existing specifications may be used, than Create a scheduling standard – NIST to communicate with specification owner and coordinate activities necessary to make it a Smart Grid standard. SDO shall convert specification into a Smart Grid standard.</p> <p>(2.b) On the other hand, if new standards are needed, identify a SDO to create a new Smart Grid scheduling model – NIST communicate with IEEE, IEC, UCA, OASIS, OpenADR to identify and select scheduling model SDO. NIST shall choose a SDO based on meeting results. SDO shall develop requirements for scheduling standard. Chosen SDO develop common scheduling model that meets Smart Grid requirements.</p> <p><b>What: Develop Common Specification for Schedules and Coordination</b></p> <p><b>Abstract:</b> The coordination of supply and demand is already of critical importance on the grid; tomorrow, with the increase of distributed energy resources, this coordination becomes more critical. The coordination must involve more than electromechanical coordination; it also involves enterprise activities, home operations and family schedules, and market operations. A common specification, developed for other domains as well as in smart grid, would better support interactions with those other domains and get broader adoption.</p> <p><b>Description:</b> For human interactions and human scheduling, the well-known ICalendar format is used.. There is no equivalent standard for web services. As an increasing number of physical processes are managed by web services, the lack of a similar standard for calendaring of services becomes critical.</p> <p>The goal of this action plan is to survey the existing specifications for calendaring and develop a standard for how schedule and event information is passed between and within services. The standard should support all of the functionality currently supported by ICalendar for application to the completion of a web service contract.</p> <p>The scheduling specification will be a micro-specification, and then a micro-standard. A calendar event without associated contract is of little use. The micro-specification can then be incorporated into other specifications through composition, bringing a common scheduling operation to diverse contracts in different domains.</p> <p><b>Objectives:</b></p> <ul style="list-style-type: none"> <li>• Survey work to date and determine short-list precursors.</li> <li>• Determine plan to expedite development of specifications to standards.</li> <li>• Develop a plan for cross-referencing schedules and other documents/contracts in a message.</li> </ul> <p><b>Why:</b> One of the most fundamental components of negotiating services is agreeing when something should occur. Short running services have traditionally been handled as if they were instantaneous, and thereby dodged this requirement through just-in-time requests. Longer running processes may require significant lead times. When multiple long-running services participate in the same business process, it may be more important to negotiate a common completion time than a common start time. Central coordination of such services reduces interoperability as it requires the coordinating agent to know the lead time of each service. As we reach out to multiple processes with the span of the grid, coordination must take into</p>



# North American Energy Standards Board

1301 Fannin, Suite 2350, Houston, Texas 77002  
 Phone: (713) 356-0060, Fax: (713) 356-0067, E-mail: [naesb@naesb.org](mailto:naesb@naesb.org)  
 Home Page: [www.naesb.org](http://www.naesb.org)

SOURCE	CITE	TEXT
		<p>account local time zones as well.</p> <p>A growing number of specifications envision synchronization of processes through broadcast scheduling. The smart grid relies on coordinating processes in homes, offices, and industry with projected and actual power availability, including different prices at different times. Weather reports including time are becoming increasingly important to projecting energy availability. Emergency management coordinators wish to inform geographic regions of future events, such as a projected tornado touchdown. These efforts would benefit from a common standard for transmitting calendaring.</p> <p>Web services are meeting increased acceptance to interact with the low level [control] systems world. Business systems can interact with building systems using web services specifications such as oBIX, BACnet/WS, and a number of proprietary specifications including LON-WS, TAC-WS, and others. Energy use in buildings can be reduced while improving performance if building system operation is coordinated with the schedules of the buildings occupants.</p> <p>Coordination of energy supply and demand requires a common understanding of supply and demand. Future energy markets will see greater variability than today. Consumer interests in green power, parallel markets for energy, and carbon regulations may create increased interest in energy sources. Distributed energy resources introduce new market focuses and new market sources. A scheduling component within energy market operations coordinates both short-lead and long-lead-time activities. This will promote the development of autonomous agents to drive performance while reducing costs for implementation.</p> <p><b>Where:</b> Coordination is a common component of information exchange across almost every domain. In the evolving transactive power grid market communications will involve energy consumers, producers, transmission and distribution systems, and must enable aggregation for both consumption and curtailment resources. Market makers, such as Independent System Operators (ISOs), Regional Transmission Operators (RTOs), utilities, and other energy services providers. With information in consistent formats, building and facility agents can make decisions on energy production, sale, purchase, and use that fit the goals and requirements of their home, business, or industrial facility.</p> <p><b>How:</b></p> <ul style="list-style-type: none"> <li>• Identify pre-existing work from enterprise domains. _The Calendar Consortium (<a href="http://www.calconnect.org">www.calconnect.org</a>) and the ISO20022 financial schedule elements are likely candidates.. _</li> <li>• Seek agreement from those who have existing work as to completion, submission as a standard, IP assertions, etc.</li> <li>• Expedite completion to deliver as component of developing specifications for DR (Energy Interoperation), Market Information (EMIX) and other specifications</li> </ul>



# North American Energy Standards Board

1301 Fannin, Suite 2350, Houston, Texas 77002  
 Phone: (713) 356-0060, Fax: (713) 356-0067, E-mail: [naesb@naesb.org](mailto:naesb@naesb.org)  
 Home Page: [www.naesb.org](http://www.naesb.org)

COMMON PRICING MODEL AND SCHEDULING MECHANISM ASSIGNMENTS GIVEN TO NAESB AT THE AUGUST 3-4, 2009 NIST SMART GRID WORKSHOP		
TASK	ORGANIZATIONS ASSIGNED	DEADLINE
Convene Cross-Domain Group Price + (Gather and process all work products resulting from other tasks)	Lead: NAESB and OASIS Others Involved: NIST Domain Expert Working Groups ("DEWGs"), FIX Protocols, others	November 2009
Survey existing price communication (The existing price communication models will serve as a starting point for the draft pricing specification)	Lead: NAESB and FIX Protocols Others Involved: JP Morgan, Financial Industry Services Division ("FISD"), NARUC, ISO/RTO Council, EEL, AHAM, ZigBee, Open HAN, OASIS	October 2009
Draft pricing specification (The draft pricing specification will be created by OASIS and processed through NAESB to ensure functionality in the energy market)	Lead: OASIS Reviewed by: IEC, FIX Protocols, CalConnect, NAESB, FIATECH, NIBS, DEWGs, others	April 2010
Define Attributes (NAESB will coordinate with OASIS to determine what product characteristics will be included in dynamic pricing)	Lead: NAESB and OASIS	Deferred until other parts are complete
Convene Schedule Group (NAESB will coordinate with the work of CalConnect to ensure that the scheduling application developed does not affect the scheduling of power through OASIS)	Lead: CalConnect, NAESB and OASIS Others Involved: DEWGs, FIATECH, others	December 2009



# North American Energy Standards Board

1301 Fannin, Suite 2350, Houston, Texas 77002  
 Phone: (713) 356-0060, Fax: (713) 356-0067, E-mail: [naesb@naesb.org](mailto:naesb@naesb.org)  
 Home Page: [www.naesb.org](http://www.naesb.org)

## Demand Response and Distributed Energy Resource Signal Semantics

SOURCE	CITE	TEXT
Report to NIST on the Smart Grid Interoperability Standards Roadmap	Page 95, Section 6.2.1	<p><b>6.2.1 Demand Response &amp; Consumer Energy Efficiency (DRCEE)</b></p> <p>There are 3 key gaps or issues (other than the pricing model, which was discussed in 6.1.1) within DRCEE. The first gap is in standardizing the DR signals to DER devices. There are competing standards and specifications that include OpenADR, NAESB, and others. A common standard for communicating to both load control and supply control devices will help accelerate DR implementations at the utilities and DER device manufacturing with products.</p> <p>Market information is currently not available to the customer domain. Without this information, customers cannot participate in the wholesale or retail markets. In order to include customers in the electricity marketplace, they need to understand when opportunities present themselves to bid into the marketplace and how much electricity is needed. Once a bid is made, the contractual obligation to commit the accepted amount of electricity for the set period of time needs to also be communicated in a standard way.</p> <p>As DER devices become pervasive and consumers can buy them at retail stores, the complexity of provisioning and tracking all the DER devices must be automated. The DERs may be provisioned at the premise energy management system (EMS) and allow the EMS to aggregate and report total premise DER baseline capabilities. Or the DERs may announce themselves to the service provider or utility or perhaps even the ISO. Both of these approaches use device discovery and profiles. Regardless, these reporting and management issues need to be resolved and an automated mechanism for announcing, configuring, and removing devices must be standardized or we limit opportunities for wide-spread adoption of DER and limit the amount of efficiency we can create in the system. Measurement and verification of demand reduction is of growing importance, with many issues such as what is the baseline, or is the device actually off.</p> <p><b>Key Actions:</b></p> <ol style="list-style-type: none"> <li>(1) <b>Develop or adopt standard DR signals</b> – NIST shall organize a meeting with IEC TC57, OASIS, NAESB, and AMI-ENT to specify a process for developing a common semantic model for standard DR signals. The effort shall ensure DR signal standards support load control, supply control, and environmental DERs.</li> <li>Report to NIST on the Smart Grid Interoperability Standards Roadmap <i>June 17, 2009</i> 6 5BPrioritized Actions</li> <li>(2) <b>Develop market signal standards</b> – NIST shall organize a meeting with policy makers, market operators/ISOs, and standards committees to develop common syntax and semantics for communicating market opportunities through the value chain and all the way to the customer. The effort shall develop policies that protect customers, but allow them to participate in the market. This is not an immediate need, but is something that requires a lot of thought and situational analysis.</li> <li>(3) <b>Develop DER discovery and profiling standards</b> – NIST shall coordinate a meeting with IEC TC57, OASIS, NAESB, and AMI-ENT for developing standard mechanisms for DER device discovery and profiling, persistence checks, and registry updates. The effort shall develop standard mechanisms for DER device discovery and profiling, persistence checks, and registry updates.</li> </ol>



# North American Energy Standards Board

1301 Fannin, Suite 2350, Houston, Texas 77002  
 Phone: (713) 356-0060, Fax: (713) 356-0067, E-mail: [naesb@naesb.org](mailto:naesb@naesb.org)  
 Home Page: [www.naesb.org](http://www.naesb.org)

SOURCE	CITE	TEXT
<p>NIST Priority Action Plans – Illustrative Versions – July 30, 2009</p>	<p>Page 9, Section 9</p>	<p><b>9 What: Standard DR Signals (6.2.1)</b></p> <p><b>9.1 Abstract:</b> Develop or adopt standard DR and DER signals – NIST shall organize a meeting with IEC TC57, OASIS, NAESB, and AMI-ENT to specify a process for developing a common semantic model for standard DR signals. The effort shall ensure DR signal standards support load control, supply control, and environmental signals.</p> <p><b>9.2 Description:</b> The semantics of Demand Response are generally well understood, but the information that is conveyed varies. Signals range from price, optionally with time of effectiveness, grid integrity, to proposed environmental signals (e.g. air quality).</p> <p>Defining consistent signals for Demand Response will make the information conveyed more consistent as a signal flows from grid management through aggregators to customers and within premises networks. Some of the standards define business processes, while others define XML or other data models with a variety of delivery mechanisms.</p> <p>The semantics for Distributed Energy Resources should fit into the same sort of signaling framework. This group will also develop a plan for DER signal definition.</p> <p><b>9.3 Objectives:</b> Define a framework and common terminology for:</p> <ul style="list-style-type: none"> <li>• Price communication,</li> <li>• Grid safety or integrity signals,</li> <li>• DER support, and</li> <li>• Other signals and/or an extensibility mechanism.</li> </ul> <p><b>9.4 Why:</b> Demand Response has evolved over the years; previous mechanisms included phone calls, pagers, and other messaging to plant managers; current mechanisms support varying levels of automation.</p> <p>As technologies, such as Open Automated Demand Response, allow rapid and un-attended automation of curtailment based on price or grid integrity, consistent signals across the entire Demand Response signaling and validation chain have raised in importance. Consistent signals will allow further automation of the Demand Response chain, and improve the responsiveness as well as the value to all stakeholders.</p> <p>Renewable and other intermittent resource integration increases the need for balancing reserve, spinning reserve, and other techniques for successful integration to take advantage of lower operating cost for renewables. However, the responsiveness of the entire power generation and delivery system needs to improve in correspondence with the extent and degree of intermittency.</p> <p>Distributed Energy Resource integration raises interoperation issues related to distribution automation, signals and information exchanges, and profiles; some of these (e.g. storage) are being addressed specifically in other action plans.</p> <p>Markets, Operations, Distribution, distribution-related capital costs, and the Customer domain are the primary areas affected, though all are affected to</p>



# North American Energy Standards Board

1301 Fannin, Suite 2350, Houston, Texas 77002  
 Phone: (713) 356-0060, Fax: (713) 356-0067, E-mail: [naesb@naesb.org](mailto:naesb@naesb.org)  
 Home Page: [www.naesb.org](http://www.naesb.org)

BACKGROUND INFORMATION FOR DEMAND RESPONSE AND DISTRIBUTED ENERGY RESOURCE SIGNAL SEMANTICS	
SOURCE	CITE
	TEXT
	<p>some extent.</p> <p><b>9.5 Where:</b> This is primarily levels 4 (Semantic Understanding), 5 (Business Context) and 6 (Business Procedures) of the GWAC stack, though it involves most of the cross-cutting issues.</p> <p>Security and privacy can be composed in; the focus of this activity is consistent semantics that work with business processes of today and those we cannot specify that may develop in the future.</p> <p><b>9.6 How:</b> A broad range of stakeholders need to be involved, broadly from the distribution management and markets area, building automation, industrial automation, home automation and energy management, and vehicles.<sup>3</sup></p> <p>There are several formalized or standardized specifications in these areas that need to share common semantics where they overlap; we should aim at a high level rather than details that may not be relevant in cross-domain interactions and interoperation.</p> <p>Since there are a number of existing bodies of work, a survey of relevant efforts and their overlap and gaps relative to DR/DER signaling would seem to be a good starting point.</p> <p>Other issues:</p> <ul style="list-style-type: none"> <li>• Should requirements analysis—what information needs to be exchanged for which use cases—be done as part of this process?</li> <li>• When do we need a high-level light interface, versus deep integration?</li> <li>• What are differences between ISO/RTO Demand Response and Distributed Energy Resource integration and the local utility counterparts?</li> <li>• Can we incorporate ancillary (fast-DR) services in the signaling approach? Or is fast DR only applicable to deep integration that will support the short time scales?</li> <li>• Measurement and verification need to be addressed for both curtailment and DER. How should we address in this process?</li> </ul> <p><b>9.6.1 Task Descriptions</b>            Develop along with project team.</p> <p><b>9.6.2 Deliverables</b>            Develop along with project team.</p>



# North American Energy Standards Board

1301 Fannin, Suite 2350, Houston, Texas 77002  
 Phone: (713) 356-0060, Fax: (713) 356-0067, E-mail: [naesb@naesb.org](mailto:naesb@naesb.org)  
 Home Page: [www.naesb.org](http://www.naesb.org)

DEMAND RESPONSE AND DISTRIBUTED ENERGY RESOURCE ASSIGNMENTS GIVEN TO NAESB AT THE AUGUST 3-4, 2009 NIST SMART GRID WORKSHOP		
TASK	ORGANIZATIONS ASSIGNED	DEADLINE
Define proper DER Interaction, Scope (Determine the process and scope of DER transactions)	Lead: No Lead Assigned Involved: NAESB, x2G DEWG, IEC TC57 Storage Models, IEEE 1547.3, Outcomes of PAP07	TBD
Collect, Analyze and Consolidate Use Cases and deliver UML (include DER) (Gather and document requirements for DR/DER among all actors in the business process)	Lead: NAESB and Utility Communications Architecture International User Group ("UCAIug") Others Involved: Incorporating OpenADR use as a starting point for OASIS	October 2009
Message Semantics Work DR (Determine the information to be conveyed related to DR signals)	Lead: OASIS Energy Interoperation Technical Committee ("EITC") Review by: NAESB, UNClug, BAE, SEP, TC57 CIM, Multispeak	Underway
Message Semantics Work DER (Determine the information to be conveyed related to DER signals)	Lead: OASIS EITC Review by: NAESB, UNClug, BAE, SEP, TC57 CIM, Multispeak	Convene October 2009
Message Semantics Calendar and Price (Determine the information related to scheduling and price as DR/DER signals)	Lead: OASIS EITC and CalConnect Review by: NAESB, UNClug, BAE, SEP, TC57 CIM, Multispeak	TBD contingent on work from PAP03 and PAP04
Resale and process for safety and interconnection and resale (Determine the process and scope of DER transactions)	Lead: NAESB Others Involved: UL	October 2009
Common Vocabulary – Normalize OpenADR, NAESB, UCAIug, definitions (Review terminology for consistency)	Lead: NAESB, UCAIug, BACNET, LonMark Others Involved: NIST	ASAP



# North American Energy Standards Board

1301 Fannin, Suite 2350, Houston, Texas 77002  
 Phone: (713) 356-0060, Fax: (713) 356-0067, E-mail: [naesb@naesb.org](mailto:naesb@naesb.org)  
 Home Page: [www.naesb.org](http://www.naesb.org)

## Appendix A: NIST Smart Grid Priority Action Plans

PRIORITY ACTION PLANS DISCUSSED AT THE AUGUST 3-4, 2009 NIST SMART GRID MEETING			
PRIORITY ACTION PLAN	GROUP LEAD	NAESB ASSIGNMENT	INFORMATION
<a href="#">PAP01: Role of Internet in the Smart Grid</a>	NIST Lead: David Su EPRI Lead: Joe Hughes	No Assignments	This PAP addresses the development of the Internet Protocol suite that will be used for all smart grid applications. Networking profiles will have to be developed in response to the smart grid applications and requirements that are created.
<a href="#">PAP02: Wireless Communications for the Smart Grid</a>	NIST Lead: David Su EPRI Lead: Joe Hughes, Francis Cleveland	No Assignments	This PAP addresses the identification and development of guidelines and requirements for wireless communications for the smart grid
<a href="#">PAP03: Common Pricing Model</a>	NIST Lead: David Holmberg EPRI Lead: Toby Considine, William Cox	NAESB Serving as Primary Co-Lead	NAESB has been tasked with coordinating with OASIS to serve as a convener of all work products assigned as a result of this PAP. NAESB will work with FIX Protocol to survey all pricing models and develop requirements that will serve as starting point for the draft pricing specification. NAESB has also been tasked with developing the attributes that will be included in the pricing specification and reviewing the document upon completion.
<a href="#">PAP04: Common Scheduling Mechanism</a>	NIST Lead: David Holmberg EPRI Lead: Toby Considine, William Cox	NAESB Serving as Primary Co-Lead	NAESB has been assigned the task of convening a group to address this PAP in coordination with OASIS and CalConnect. NAESB will participate to identify where if any, there are relationships to the federal regulations for scheduling power on the grid through OASIS.
<a href="#">PAP05: Standard Meter Data Profiles</a>	NIST Lead: Tom Nelson EPRI Lead: Aaron Snyder, Ben Rankin	No Assignments	This PAP addresses the design of one or more standard meter profiles using ANSI C12.19 Exchange Data Language
<a href="#">PAP06: Data Tables Common Semantic Model for Meter Data Tables</a>	NIST Lead: Tom Nelson EPRI Lead: Aaron Snyder, Eric Gunther	No Assignments	This PAP addresses the need to translate the ANSI C12.19 end device meter data model into a common form to facilitate the harmonization of other end device models.



# North American Energy Standards Board

1301 Fannin, Suite 2350, Houston, Texas 77002  
 Phone: (713) 356-0060, Fax: (713) 356-0067, E-mail: [naesb@naesb.org](mailto:naesb@naesb.org)  
 Home Page: [www.naesb.org](http://www.naesb.org)

## Appendix A: NIST Smart Grid Priority Action Plans

### PRIORITY ACTION PLANS DISCUSSED AT THE AUGUST 3-4, 2009 NIST SMART GRID MEETING

PRIORITY ACTION PLAN	GROUP LEAD	NAESB ASSIGNMENT	INFORMATION
<a href="#">PAP07: Electric Storage Interconnection Guidelines</a>	NIST Lead: Al Hefner EPRI Lead: Francis Cleveland, Mark McGranaghan	No Assignments	This PAP addresses the development of storage device electrical interconnection guidelines. Coordination with NERC and FERC would be advisable regarding related regulatory and reliability requirements.
<a href="#">PAP08: CIM for Distribution Grid Management</a>	NIST Lead: Jerry Fitzpatrick EPRI Lead: Grant Gilchrist, Francis Cleveland	No Assignments	This PAP addresses the development of the Common Information Model for Distribution Grid Management including CIM and Multispeak harmonization. The PAP calls for the development of key requirements and use cases that define the type of integration needed across IEC 61968, IEC 61850 and Multispeak.
<a href="#">PAP09: Standard DR Signals</a>	NIST Lead: David Holmberg EPRI Lead: Toby Considine, William Cox	NAESB Serving as Primary Co-Lead	NAESB has been assigned the task of collecting and analyzing use cases and requirements for DR and DER transactions and delivering a Unified Modeling Language (UML) to be used for DER and DER message semantics. NAESB will participate to review the message semantics that are developed related to DR and DER and Calendaring and Price signals. NAESB will also participate in the definition of the scope and process of DER transactions for resale and the process of ensuring interconnection safety. NAESB will also participate in review to ensure consistent terminology is used for transactions related to DR and DER.
<a href="#">PAP10: Standard Energy Usage Information</a>	NIST Lead: David Wollman, Tom Nelson EPRI Lead: Marty Burns, Toby Considine	No Assignments	This PAP addresses the standardization of information that will be provided to customers' energy management systems to enable informed consumer decisions. This includes access to information provided for metering and billing.
<a href="#">PAP11: Common Object Models for Electric Transportation</a>	NIST Lead: Eric Simmon EPRI Lead: Stuart McCafferty, Francis Cleveland	No Assignments	This PAP addresses the development and standardization of common object models for electric transportation.



# North American Energy Standards Board

1301 Fannin, Suite 2350, Houston, Texas 77002  
 Phone: (713) 356-0060, Fax: (713) 356-0067, E-mail: [naesb@naesb.org](mailto:naesb@naesb.org)  
 Home Page: [www.naesb.org](http://www.naesb.org)

## Appendix A: NIST Smart Grid Priority Action Plans PRIORITY ACTION PLANS DISCUSSED AT THE AUGUST 3-4, 2009 NIST SMART GRID MEETING

PRIORITY ACTION PLAN	GROUP LEAD	NAESB ASSIGNMENT	INFORMATION
<a href="#">PAP12: IEC 61850 Objects/DNP3 Mapping</a>	NIST: Jerry Fitzpatrick, Tom Nelson EPRI Lead: Bruce Muschlitz, Christoph Brunner	No Assignments	The purpose of this PAP is to enable the use of smart grid management functions over legacy DNP3 networks. To this end a method to map DNP3 objects onto IEC 61850 objects must be developed.
<a href="#">PAP13: Time Synchronization, IEC 61850 Objects/IEEE C37.118</a>	NIST Lead: Jerry Fitzpatrick EPRI Lead: Joe Hughes	No Assignments	The purpose of this PAP is to integrate phasor measurement unit (PMU) data based on IEEE C37.118 into use through IEC 61850.
<a href="#">PAP14: Transmission and Distribution Power Systems Model Mapping</a>	NIST Lead: Jerry Fitzpatrick EPRI Lead: Joe Hughes	No Assignments	The purpose of this PAP is to identify and/or develop key requirements and use cases for different smart grid applications and the mapping of that information on the existing models.
<a href="#">Cyber Security Coordination Task Group</a>	NIST Lead: Annabelle Lee	Unclear – awaiting response from Annabelle Lee	This Task Group is created as an inter-agency effort to address the cross-cutting cyber security issues that will result from the development of the smart grid. The groups task is to address the major high-level vulnerabilities of the smart grid and develop a comprehensive set of cyber security requirements.



# North American Energy Standards Board

1301 Fannin, Suite 2350, Houston, Texas 77002  
 Phone: (713) 356-0060, Fax: (713) 356-0067, E-mail: [naesb@naesb.org](mailto:naesb@naesb.org)  
 Home Page: [www.naesb.org](http://www.naesb.org)

## Appendix B: NIST Recognized Standards for Inclusion in the Smart Grid Interoperability Standards Framework, Release 1.0

### REVIEW OF NIST RECOGNIZED STANDARDS FOR INCLUSION IN THE SMART GRID INTEROPERABILITY STANDARDS FRAMEWORK, RELEASE 1.0

STANDARD	ORGANIZATION	APPLICATION / DESCRIPTION	RELATIONSHIP TO NAESB/ LOCATION OF STANDARDS/COST
AMI-SEC System Security Requirements	Open SG Users Group	<p><u>Application:</u> Advanced metering infrastructure (AMI) and Smart Grid end-to-end security</p> <p><u>Description:</u> This document provides the utility industry and vendors with a set of security requirements for Advanced Metering Infrastructure (AMI). These requirements are intended to be used in the procurement process, and represent a superset of requirements gathered from current cross-industry accepted security standards and best practice guidance documents.</p> <p>This document provides substantial supporting information for the use of these requirements including scope, context, constraints, objectives, user characteristics, assumptions, and dependencies. This document also introduces the concept of requirements for security states and modes, with requirements delineated for security states.</p> <p>These requirements are categorized into three areas: 1) Primary Security Services, 2) Supporting Security Services and 3) Assurance Services. The requirements will change over time corresponding with current security threats and countermeasures they represent. The AMI-SEC Task Force presents the current set as a benchmark, and the authors expect utilities and vendors to tailor the set to individual environments and deployments.</p> <p>While these requirements are capable of standing on their own, this document is intended to be used in conjunction with other 2008 deliverables from the AMI-SEC Task Force, specifically the Risk Assessment, the Architectural Description, the Component Catalog (in development as of this writing), and the Implementation Guide (to be developed late 2008). This document also discusses the overall process for usage of this suite."</p>	This standard may have a tangential relationship to the NAESB PKI standards
ANSI C12.19 – 2008	American National Standards Institute (formal standards body)	<p><u>Application:</u> Revenue metering information model</p> <p><u>Description:</u> This Standard defines a Table structure for utility application data to be passed between an End Device and any other device</p>	Metering information that is created or mandated by utilities may have an impact on the NAESB OASIS S&CP or the Data Dictionary. It may also have dependence on the data that is being maintained in the NAESB Energy Industry Registry ("EIR")



# North American Energy Standards Board

1301 Fannin, Suite 2350, Houston, Texas 77002  
 Phone: (713) 356-0060, Fax: (713) 356-0067, E-mail: naesb@naesb.org  
 Home Page: [www.naesb.org](http://www.naesb.org)

## Appendix B: NIST Recognized Standards for Inclusion in the Smart Grid Interoperability Standards Framework, Release 1.0

REVIEW OF NIST RECOGNIZED STANDARDS FOR INCLUSION IN THE SMART GRID INTEROPERABILITY STANDARDS FRAMEWORK, RELEASE 1.0			RELATIONSHIP TO NAESB/ LOCATION OF STANDARDS/COST
STANDARD	ORGANIZATION	APPLICATION / DESCRIPTION	
BACnet ANSI ASHRAE 135-2008	American Society of Heating, Refrigerating and Air-Conditioning Engineers (formal standards body)	<p><u>Application:</u> Building automation</p> <p><u>Description:</u> The purpose of this standard is to define data communication services and protocols for computer equipment used for monitoring and control of HVAC&amp;R and other building systems and to define, in addition, an abstract, object-oriented representation of information communicated between such equipment, thereby facilitating the application and use of digital control technology in buildings.</p>	No Direct Relationship to NAESB Standards Identified
DNP3	Distributed Network Protocol	<p><u>Application:</u> Substation and feeder device automation</p> <p><u>Description:</u> The development of DNP3 was a comprehensive effort to achieve open, standards-based Interoperability between substation computers, RTUs, IEDs (Intelligent Electronic Devices) and master stations (except inter-master station communications) for the electric utility industry. Also important was the time frame; the need for a solution to meet today's requirements. As ambitious an undertaking as this was, we reached this objective. And since the inception of DNP, the protocol has also become widely utilized in adjacent industries such as water / waste water, transportation and the oil and gas industry.</p> <p>DNP3 is based on the standards of the International Electrotechnical Commission (IEC) Technical Committee 57, Working Group 03 who have been working on an OSI 3 layer "Enhanced Performance Architecture" (EPA) protocol standard for telecontrol applications. DNP3 has been designed to be as close to compliant as possible to the standards as they existed at time of development with the addition of functionality not identified in Europe but needed for current and future North American applications (e.g. limited transport layer functions to support 2K block transfers for IEDs, RF and fiber support). DNP3 has been selected as a Recommended Practice by the IEEE C.2 Task Force; RTU to IED Communications Protocol.</p> <p>DNP3 was developed by Harris, Distributed Automation Products. In November 1993, responsibility for defining further DNP3 specifications and ownership of the DNP3 specifications was turned over to the DNP3 Users Group, a group composed of utilities and vendors who are utilizing the protocol.</p> <p>DNP3 is an open and public protocol. In order to ensure interoperability, longevity and upgradeability of, protocol the DNP3 Users Group has taken ownership of the protocol and</p>	No Direct Relationship to NAESB Standards Identified



# North American Energy Standards Board

1301 Fannin, Suite 2350, Houston, Texas 77002  
 Phone: (713) 356-0060, Fax: (713) 356-0067, E-mail: [naesb@naesb.org](mailto:naesb@naesb.org)  
 Home Page: [www.naesb.org](http://www.naesb.org)

## Appendix B: NIST Recognized Standards for Inclusion in the Smart Grid Interoperability Standards Framework, Release 1.0

STANDARD	ORGANIZATION	APPLICATION / DESCRIPTION	RELATIONSHIP TO NAESB/ LOCATION OF STANDARDS/COST
IEC 60870-6 / TASE.2	International Electrotechnical Commission (formal standards body)	<p>assumes responsibility for its evolution. The DNP3 Users Group Technical Committee evaluates suggested modifications or additions to the protocol and then amends the protocol description as directed by the Users Group members.</p> <p>Complete documentation of the protocol is available to the public. The four core documents that define DNP3 are: Data Link Layer Protocol Description, Transport Functions, Application Layer Protocol Description and Data Object Library (referred to as the "Basic 4 Document"). The Users Group also has available to members the document "DNP3 Subset Definitions" which will help implementers to identify protocol elements that should be implemented.</p> <p><u>Application:</u> Inter-control center communications (ICCP)</p> <p><u>Description:</u> Specifies a method of exchanging time-critical control centre data through wide-area and local-area networks using a full ISO compliant protocol stack. Both centralized and distributed architectures are supported. Includes the exchange of real-time data indications, control operations, time-series data, scheduling and accounting information, remote program control and event notification.</p>	No Direct Relationship to NAESB Standards Identified
IEC 61850	International Electrotechnical Commission (formal standards body)	<p><u>Application:</u> Substation automation and protection</p> <p><u>Description:</u> Communication networks and systems in substations is a technical report applicable to substation automation systems. Defines the communication between intelligent electronic devices in the substation and the related system requirements.</p>	No Direct Relationship to NAESB Standards Identified
IEC 61968	International Electrotechnical Commission (formal standards body)	<p><u>Application:</u> Application level energy management system interfaces</p> <p><u>Description:</u> Application integration at electric utilities – System interfaces for distribution management is a series of standards that define interfaces for the major elements of an interface architecture for Distribution Management Systems. Identifies and establishes requirements for standard interfaces based on an Interface Reference Model. This set of standards is limited to the definition of interfaces and is implementation independent; it provides for interoperability among different computer systems, platforms, and languages.</p>	Metering information that is created or mandated by utilities may have an impact on the NAESB OASIS S&CP or the Data Dictionary. It may also have dependence on the data that is being maintained in the NAESB Energy Industry Registry ("EIR")



# North American Energy Standards Board

1301 Fannin, Suite 2350, Houston, Texas 77002  
 Phone: (713) 356-0060, Fax: (713) 356-0067, E-mail: [naesb@naesb.org](mailto:naesb@naesb.org)  
 Home Page: [www.naesb.org](http://www.naesb.org)

## Appendix B: NIST Recognized Standards for Inclusion in the Smart Grid Interoperability Standards Framework, Release 1.0

REVIEW OF NIST RECOGNIZED STANDARDS FOR INCLUSION IN THE SMART GRID INTEROPERABILITY STANDARDS FRAMEWORK, RELEASE 1.0		RELATIONSHIP TO NAESB/ LOCATION OF STANDARDS/COST
STANDARD	ORGANIZATION	APPLICATION / DESCRIPTION
IEC 61970	International Electrotechnical Commission (formal standards body)	<p><u>Application:</u> Application level energy management system interfaces</p> <p><u>Description:</u> Energy management system application program interface is a set of guidelines and general infrastructure capabilities required for the application of the EMS-API interface standards. Describes typical integration scenarios where these standards are to be applied and the types of applications to be integrated. Defines a reference model and provides a framework for the application of the other parts of these EMS-API standards.</p>
IEC 62351 Parts 1-8	International Electrotechnical Commission (formal standards body)	<p><u>Application:</u> Information security for power system control operations</p> <p><u>Description:</u> The scope of the IEC 62351 series is information security for power system control operations. Its primary objective is to undertake the development of standards for security of the communication protocols defined by IEC TC 57, specifically the IEC 60870-5 series, the IEC 60870-6 series, the IEC 61850 series, the IEC 61970 series, and the IEC 61968 series.</p>
IEEE C37.118	IEEE (formal standards body)	<p><u>Application:</u> Phasor measurement unit (PMU) communications</p> <p><u>Description:</u> This standard defines synchronized phasor measurements used in power system applications. It provides a method to quantify the measurement, tests to be sure the measurement conforms to the definition, and error limits for the test. It also defines a data communication protocol including message formats for communicating this data in a real-time system. Explanation, examples, and supporting information are also provided.</p>
IEEE 1547	IEEE (formal standards body)	<p><u>Application:</u> Physical and electrical interconnections between utility and distributed generation (DG)</p> <p><u>Description:</u> This standard is the first in the 1547 series of interconnection standards and is a benchmark milestone demonstrating the open consensus process for standards development. Traditionally, utility electric power systems (EPS--grid or utility grid) were not designed to accommodate active generation and storage at the distribution level. As a result, there are major issues and obstacles to an orderly transition to using and integrating distributed power resources with the grid. The lack of uniform national interconnection standards and tests for interconnection operation and certification, as well as the lack of uniform national building, electrical, and safety</p>



# North American Energy Standards Board

1301 Fannin, Suite 2350, Houston, Texas 77002  
 Phone: (713) 356-0060, Fax: (713) 356-0067, E-mail: [naesb@naesb.org](mailto:naesb@naesb.org)  
 Home Page: [www.naesb.org](http://www.naesb.org)

## Appendix B: NIST Recognized Standards for Inclusion in the Smart Grid Interoperability Standards Framework, Release 1.0

REVIEW OF NIST RECOGNIZED STANDARDS FOR INCLUSION IN THE SMART GRID INTEROPERABILITY STANDARDS FRAMEWORK, RELEASE 1.0		RELATIONSHIP TO NAESB/ LOCATION OF STANDARDS/COST
STANDARD	ORGANIZATION	APPLICATION / DESCRIPTION
IEEE 1686-2007	IEEE (formal standards body)	codes, are understood. IEEE Std 1547 and its development demonstrate a model for ongoing success in establishing additional interconnection agreements, rules, and standards, on a national, regional, and state level. IEEE Std 1547 has the potential to be used in federal legislation and rule making and state public utilities commission (PUC) deliberations, and by over 3000 utilities in formulating technical requirements for interconnection agreements for distributed generators powering the electric grid. This standard focuses on the technical specifications for, and testing of, the interconnection itself. It provides requirements relevant to the performance, operation, testing, safety considerations, and maintenance of the interconnection. It includes general requirements, response to abnormal conditions, power quality, islanding, and test specifications and requirements for design, production, installation evaluation, commissioning, and periodic tests. The stated requirements are universally needed for interconnection of distributed resources (DR), including synchronous machines, induction machines, or power inverters/converters and will be sufficient for most installations. The criteria and requirements are applicable to all DR technologies.
NERC CIP 002-009	North American Electric Reliability Corporation (formal standards body)	<p><u>Application:</u> Security for intelligent electronic devices (IED)</p> <p><u>Description:</u> The functions and features to be provided in substation intelligent electronic devices (IEDs) to accommodate critical infrastructure protection programs are defined in this standard. Security regarding the access, operation, configuration, firmware revision, and data retrieval from an IED is addressed in this standard. Communications for the purpose of power system protection (teleprotection) is not addressed. Encryption for the secure transmission of data both within and external to the substation, including supervisory control and data acquisition, is not part of this standard as this is addressed in other efforts.</p> <p><u>Application:</u> Cyber security standards for the bulk power system</p> <p><u>Description:</u> NERC Standards CIP-002 through CIP-009 provides a cyber security framework for the identification and protection of Critical Cyber Assets to support reliable operation of the Bulk Electric System.</p> <p>These standards recognize the differing roles of each entity in the operation of the Bulk Electric System, the criticality and vulnerability of the assets needed to manage Bulk Electric System reliability, and the risks to which they are exposed. Responsible Entities should interpret and apply Standards CIP-002 through CIP-009 using reasonable business judgment.</p>
		No Direct Relationship to NAESB Standards Identified
		This standard may have a tangential relationship to the NAESB PKI standards. NAESB is already fully coordinated with NERC

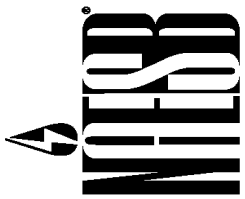


# North American Energy Standards Board

1301 Fannin, Suite 2350, Houston, Texas 77002  
 Phone: (713) 356-0060, Fax: (713) 356-0067, E-mail: [naesb@naesb.org](mailto:naesb@naesb.org)  
 Home Page: [www.naesb.org](http://www.naesb.org)

## Appendix B: NIST Recognized Standards for Inclusion in the Smart Grid Interoperability Standards Framework, Release 1.0

REVIEW OF NIST RECOGNIZED STANDARDS FOR INCLUSION IN THE SMART GRID INTEROPERABILITY STANDARDS FRAMEWORK, RELEASE 1.0			
STANDARD	ORGANIZATION	APPLICATION / DESCRIPTION	RELATIONSHIP TO NAESB/ LOCATION OF STANDARDS/COST
NIST SP 800-53	National Institute of Standards and Technology	<p>Business and operational demands for managing and maintaining a reliable Bulk Electric System increasingly rely on Cyber Assets supporting critical reliability functions and processes to communicate with each other, across functions and organizations, for services and data. This results in increased risks to these Cyber Assets.</p> <p><b>Application:</b> Cyber security standards and guidelines for federal information systems, including those for the bulk power system</p> <p><b>Description:</b> The purpose of this publication is to provide guidelines for selecting and specifying security controls for information systems supporting the executive agencies of the federal government. The guidelines apply to all components of an information system that process, store, or transmit federal information.</p>	This standard may have a tangential relationship to the NAESB PKI standards
NIST SP 800-82	National Institute of Standards and Technology	<p><b>Application:</b> Cyber security standards and guidelines for federal information systems, including those for the bulk power system</p> <p><b>Description:</b> The purpose of this document is to provide guidance for securing industrial control systems (ICS), including supervisory control and data acquisition (SCADA) systems, distributed control systems (DCS), and other systems performing control functions. The document provides an overview of ICS and typical system topologies, identifies typical threats and vulnerabilities to these systems, and provides recommended security countermeasures to mitigate the associated risks. Because there are many different types of ICS with varying levels of potential risk and impact, the document provides a list of many different methods and techniques for securing ICS. The document should not be used purely as a checklist to secure a specific system. Readers are encouraged to perform a risk-based assessment on their systems and to tailor the recommended guidelines and solutions to meet their specific security, business and operational requirements. The scope of this document includes ICS that are typically used in the electric, water and wastewater, oil and natural gas, chemical, pharmaceutical, pulp and paper, food and beverage, and discrete manufacturing (automotive, aerospace, and durable goods) industries.</p>	This standard may have a tangential relationship to the NAESB PKI standards
Open Automated Demand Response (Open ADR)	Lawrence Berkeley National Laboratory / Organization for the Advancement of Structured Information	<p><b>Application:</b> Price responsive and direct load control</p> <p><b>Description:</b> The Open Automated Demand Response Communications Specification defines the interface to the functions and features of a Demand Response Automation Server (DRAS) that is used to facilitate the automation of customer response to various Demand Response programs and dynamic pricing through a communicating client. This specification, referred to as OpenADR,</p>	This standard must be made compatible with the NAESB Wholesale and Retail Electric demand response measurement and verification standards. This



# North American Energy Standards Board

1301 Fannin, Suite 2350, Houston, Texas 77002  
 Phone: (713) 356-0060, Fax: (713) 356-0067, E-mail: [naesb@naesb.org](mailto:naesb@naesb.org)  
 Home Page: [www.naesb.org](http://www.naesb.org)

## Appendix B: NIST Recognized Standards for Inclusion in the Smart Grid Interoperability Standards Framework, Release 1.0

REVIEW OF NIST RECOGNIZED STANDARDS FOR INCLUSION IN THE SMART GRID INTEROPERABILITY STANDARDS FRAMEWORK, RELEASE 1.0			
STANDARD	ORGANIZATION	APPLICATION / DESCRIPTION	RELATIONSHIP TO NAESB/ LOCATION OF STANDARDS/COST
	Standards (OASIS) / UCA International Users Group (UCAIug)	also addresses how third parties such as utilities, ISOs, energy and facility managers, aggregators, and hardware and software manufacturers will interface to and utilize the functions of the DRAS in order to automate various aspects of demand response (DR) programs and dynamic pricing.	standard may also impact the NAESB OASIS standards suite and NAESB curtailment standard and may have dependence on the data that is being maintained in the NAESB Energy Industry Registry ("EIR")
OpenHAN	Open SG Users Group	<u>Application:</u> Home Area Network device communication, measurement, and control <u>Description:</u> The utility members of the Utility/AMI OpenHAN Task Force jointly drafted this system requirements specification. It represents the collaboration of more than nine investor-owned North American utilities serving more than 28 million electric and gas customers in 17 states and provinces. Although this document is a system requirements specification, it follows the IEEE 830-1998 Recommended Practice for Software Requirements Specification given the focus on Home Area Network (HAN) applications for utilities and consumers.	As this standard relates to measurement it should be reviewed for compatibility with the NAESB Wholesale and Retail Electric demand response measurement and verification standards.
ZigBee/HomePlug Smart Energy Profile	Zigbee Alliance	<u>Application:</u> Home Area Network (HAN) Device Communication and Information Model <u>Description:</u> The ZigBee Smart Energy public application profile provides standard interfaces and device definitions to allow easy interoperability among ZigBee Smart Energy devices produced by various manufacturers.	No Direct Relationship to NAESB Standards Identified



## North American Energy Standards Board

1301 Fannin, Suite 2350, Houston, Texas 77002  
Phone: (713) 356-0060, Fax: (713) 356-0067, E-mail: [naesb@naesb.org](mailto:naesb@naesb.org)  
Home Page: [www.naesb.org](http://www.naesb.org)

---

### Appendix C: NAESB Comments to NIST on the Initial Set of 16 Standards that Comprise the Smart Grid Interoperability Standards Framework submitted on July 9, 2009

Dr. George Arnold  
Deputy Director  
National Institute of Standards and Technology  
100 Bureau Drive, Stop 2000  
Gaithersburg, MD 20899-2000

Dear Dr. Arnold,

NAESB appreciates the opportunity to offer these comments to the initial set of standards and specifications proposed by NIST for inclusion in Release 1.0 of the Smart Grid Interoperability Standards Framework. We understand from NIST documentation that Release 1.0 is a work in progress with the recognition that it is not complete, nor is it exclusionary.

For the criteria upon which the standards and specifications are selected by NIST as industry consensus work products, we offer the following comments:

- Standards and specifications to be applied at a national level should be developed at a national level, or at a minimum vetted at a national level, where entities that will be expected to use the standards have had an opportunity to vote on the standards or otherwise provide input into their development and acceptance through an open and transparent process. We are unclear if all the standards and specifications noted in the list (see attached appendix) have undergone such review and national endorsement, and we understand that some of the items on the list are only now undergoing such a review. For those items that have not completed a national review and vote by a Standards Development Organization, we would recommend that it is premature to endorse the item as part of the initial list until the review and vote, including the incorporation of any changes endorsed by the SDO, is completed.
- Similarly, for standards and specifications that were developed for use regionally and in place for regional use, but that are now proposed to be applied nationally, we would again recommend that entities that will be expected to use the standards have an opportunity to vote on the standards or otherwise provide input into their development and acceptance. For those items that have not completed a national review by a SDO, we would recommend that it is premature to endorse the item as part of the initial list until the review and vote, including the incorporation of any changes endorsed by the SDO, is completed.
- Interoperability extends from the Smart Grid to the Power Grid, and for standards and specifications that interact with the bulk power system and may impact standards already in place that support reliability or market transactions, coordination should take place with either the North American Electric Reliability Corporation or NAESB.

We commend the groups that prepared the list of the initial set of standards and specifications, particularly considering the large industry meetings held to identify the list. We hope that you find our comments helpful in support of the development of an interoperable Smart Grid. We look forward to continuing to participate in your process as the needed Smart Grid suite of standards and specifications are adopted and put to use in the energy market.

With Best Regards,

*Rae McQuade*

---

Rae McQuade, President, NAESB

cc: Michael D. Desselle, Chairman of the NAESB Board of Directors  
William P. Boswell, NAESB General Counsel  
Jonathan Booe, NAESB Counsel



## North American Energy Standards Board

1301 Fannin, Suite 2350, Houston, Texas 77002  
Phone: (713) 356-0060, Fax: (713) 356-0067, E-mail: [naesb@naesb.org](mailto:naesb@naesb.org)  
Home Page: [www.naesb.org](http://www.naesb.org)

---

### Appendix D: NAESB Comments on the Report to NIST on the Smart Grid Interoperability Standards Roadmap submitted on July 30, 2009

Dr. George Arnold  
Deputy Director  
National Institute of Standards and Technology  
100 Bureau Drive, Stop 8100  
Gaithersburg, MD 20899-8100

Dear Dr. Arnold,

NAESB appreciates the opportunity to offer these comments to "Report to NIST on the Smart Grid Interoperability Standards Roadmap" (Contract No. SB1341-09-CN-0031-- Deliverable 7) prepared by the Electric Power Research Institute (EPRI). We commend EPRI for the considerable organizational effort put forth in a compressed schedule to produce the report.

We offer the following four general suggestions for consideration – which apply both to the creation and acceptance of the roadmap and the development of Smart Grid Interoperability standards:

- **Transparency.** Transparency in decision making is a key factor in garnering support. Transparency includes both the identification of the decision makers and how decisions are made. Transparency applies to standards development, standards selection and it also applies to the development of the plans and strategies. While providing adequate transparency can take time, it has been our experience that it expedites industry acceptance and support.
- **Inclusion.** Stakeholders should be given the opportunity to take part in the decision making and standards development. Reaching out to trade associations and industry organizations to encourage their stakeholders to participate has proven essential in assuring that diverse groups are made aware of the planned standards development activities. Trade associations, industry organizations, regional groups and the industry itself play key roles in soliciting a broad and regionally diverse group of participants. Regulatory staff, both state and federal should be encouraged to participate to ensure that directions taken support their policies.
- **Balance.** Decision making, particularly for standards that have broad applicability, should not only include the stakeholders who will be responsible for modifying their business processes to implement the standards, but also the service providers. The market interests should be balanced and there are a number of ways in which this balance can be achieved. Balance of geographic areas can be important when the decisions made or the standards developed are not specific to a given region, but rather are intended to apply more broadly. Equally important, those entities either politically accountable for the success or operationally accountable for the success of the standards and related decisions must have a strong voice in the overall planning and strategic sessions, and also in the identification of standards needed, the development of the standards and the ultimate adoption of the standards.
- **Documented and Accessible Process.** Participants should have access to the process by which the standards are developed and also the process by which related decisions are reached. Importantly, an appeal process should be defined not only as it pertains to endorsement of standards, but also to the standards development process itself.

The four suggestions made are particularly important when the standards may be the subject of regulatory action either at the state or federal level. Ensuring the broadest level of inclusion, balance of interests, transparency in all aspects and easily accessible documentation on the process strengthens the work products and supports building industry consensus – crucial when the work products are intended to be forwarded to regulators for their consideration.



## North American Energy Standards Board

1301 Fannin, Suite 2350, Houston, Texas 77002  
Phone: (713) 356-0060, Fax: (713) 356-0067, E-mail: [naesb@naesb.org](mailto:naesb@naesb.org)  
Home Page: [www.naesb.org](http://www.naesb.org)

---

### Appendix D: NAESB Comments on the Report to NIST on the Smart Grid Interoperability Standards Roadmap submitted on July 30, 2009

We look forward to continuing to participate in your process as the needed Smart Grid suite of standards and specifications are adopted and put to use in the energy market, and we are grateful for the opportunity to contribute as co-leaders in the panels and working sessions set for August 3 and 4, 2009.

With Best Regards,

*Rae M<sup>c</sup>Quade*

---

Rae McQuade, President, NAESB

cc: Michael D. Desselle, Chairman of the NAESB Board of Directors  
William P. Boswell, NAESB General Counsel  
Jonathan Booe, NAESB Counsel



## North American Energy Standards Board

1301 Fannin, Suite 2350, Houston, Texas 77002  
Phone: (713) 356-0060, Fax: (713) 356-0067, E-mail: [naesb@naesb.org](mailto:naesb@naesb.org)  
Home Page: [www.naesb.org](http://www.naesb.org)

January 28, 2009

**TO:** NAESB Executive Committee and Interested Industry Participants  
**FROM:** Rae McQuade, NAESB Executive Director  
**RE:** Schedule of 2009 Meetings

Below is the schedule of 2009 meetings for the Executive Committee, Board of Directors and Advisory Council.

### 2009 Calendar of Board and EC Meetings

Date	Meeting	Location
March 26	Board of Directors	Houston – Marriott IAH
June 25	Board of Directors Meeting and Meeting of the Members	Houston – Marriott IAH
September 24	Board of Directors	Houston – Marriott IAH
December 10	Board of Directors	Houston – Marriott IAH
February 3-5	Executive Committee (WEQ, Retail, WGQ)	Phoenix, Hosted by SRP
February 14	Advisory Council Meeting	Washington D.C. – Renaissance Washington Hotel (in conjunction with NARUC Winter Meeting)
May 12-14	Executive Committee (WEQ, Retail, WGQ)	Carmel, IN hosted by ACES Power
August 18-20	Executive Committee (WEQ, Retail, WGQ)	Colorado Springs hosted by El Paso Western Pipelines
October 27-29	Executive Committee (WEQ, Retail, WGQ)	Richmond, VA hosted by Dominion