



## 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)

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### NAESB RETAIL GAS & ELECTRIC QUADRANTS EXECUTIVE COMMITTEE MEETING

#### ASSEMBLED MEETING MATERIALS

**FEBRUARY 3, 2010**



# North American Energy Standards Board

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## NAESB WHOLESALE ELECTRIC QUADRANT EXECUTIVE COMMITTEE MEETING

PERA Club, Tempe, AZ Wednesday, February 3, 2010 - 10:00 am to 4:00 pm M

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Agenda Description	Meeting Materials	Page
1. Welcome		
• Antitrust Guidelines <a href="http://www.naesb.org/misc/antitrust_guidance.doc">http://www.naesb.org/misc/antitrust_guidance.doc</a> (Guidance)	Antitrust Guidelines	1
• Welcome to members and attendees		
• Quorum Establishment: Roll Call of Retail 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)	EC Roster EC Alternates Roster	2 7
• Adoption of Retail Agenda (simple majority) <a href="http://www.naesb.org/pdf4/ec020210a.doc">http://www.naesb.org/pdf4/ec020210a.doc</a>	Agenda	12
2. Retail Quadrants Draft Minutes (simple majority to approve)		
• Adoption of the Retail EC Meeting Minutes: • October 28, 2009: <a href="http://www.naesb.org/pdf4/retail_ec102809dm.doc">http://www.naesb.org/pdf4/retail_ec102809dm.doc</a>	Draft 10-28-09 Minutes	19
3. Review, Discuss and Vote on 2009 Retail Annual Plan Item 1/R05016 – Develop Technical Electronic Implementation Standards and Data Dictionaries (Book 9: Customer Billing and Payment Notification via Uniform Electronic Transaction)		
• Recommendation – Part A with Revised Attachments: <a href="http://www.naesb.org/pdf4/retail_2009_api1_r05016_rev_rec.doc">http://www.naesb.org/pdf4/retail_2009_api1_r05016_rev_rec.doc</a>	Recommendation	22
• Revised Attachment 1 – Data Dictionaries: <a href="http://www.naesb.org/pdf4/retail_2009_api1_r05016_rev_rec_attach1.doc">http://www.naesb.org/pdf4/retail_2009_api1_r05016_rev_rec_attach1.doc</a>	Revised Attachment 1	24
• Revised Attachment 2 – X12 Technical Implementation Guidelines: <a href="http://www.naesb.org/pdf4/retail_2009_api1_r05016_rev_rec_attach2.doc">http://www.naesb.org/pdf4/retail_2009_api1_r05016_rev_rec_attach2.doc</a>	Revised Attachment 2	26
• Comments due 12/16/09 – none received		
4. Discussion on Retail Version 1.2, published December 31, 2009		
5. Subcommittee Updates (meeting materials for updates will be provided by leadership as they are available):		
• Triage Subcommittee: <a href="http://www.naesb.org/pdf4/tr012510disposition.doc">http://www.naesb.org/pdf4/tr012510disposition.doc</a> (report), <a href="http://www.naesb.org/pdf4/tr012710agenda.doc">http://www.naesb.org/pdf4/tr012710agenda.doc</a> (new requests)	Triage Report Triage New Requests	50 52
• Business Practices Subcommittee (BPS) and Texas Task Force		
• DSM-EE Subcommittee		
• Information Requirements Subcommittee (IR )		
• Technical Electronic Implementation Subcommittee (TEIS)		
• Glossary Efforts		
6. Review, discuss, identify changes and vote to approve changes to the 2010 Annual Plan to be proposed to the Board of Directors: <a href="http://www.naesb.org/pdf4/retail_2010_annual_plan.doc">http://www.naesb.org/pdf4/retail_2010_annual_plan.doc</a> (simple majority vote for EC endorsement of proposed changes to be forwarded for Board approval)	2010 Annual Plan	54
7. Board of Directors, Board Committee and Regulatory Updates (no votes or action to be taken):		
• Board Updates – Board Meeting December 10, 2009:	Board Minutes	60



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## NAESB WHOLESALE ELECTRIC QUADRANT EXECUTIVE COMMITTEE MEETING

PERA Club, Tempe, AZ Wednesday, February 3, 2010 - 10:00 am to 4:00 pm M

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<a href="http://www.naesb.org/pdf4/bd121009dm.doc">http://www.naesb.org/pdf4/bd121009dm.doc</a>		
<ul style="list-style-type: none"><li>Wholesale Gas and Retail key activities – WGQ Annual Plan, Retail Annual Plan <a href="http://www.naesb.org/pdf4/wgq_2010_annual_plan.doc">http://www.naesb.org/pdf4/wgq_2010_annual_plan.doc</a> (WGQ), ), <a href="http://www.naesb.org/pdf4/retail_2010_annual_plan.doc">http://www.naesb.org/pdf4/retail_2010_annual_plan.doc</a> (Retail)</li></ul>	2010 WGQ Annual Plan 2010 WEQ Annual Plan	68
8. Other Business	Schedule	82
<ul style="list-style-type: none"><li>2010 Schedule: <a href="http://www.naesb.org/misc/2010_schedule.pdf">http://www.naesb.org/misc/2010_schedule.pdf</a></li></ul>		
9. Adjourn		



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### 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.



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### NORTH AMERICAN ENERGY STANDARDS BOARD 2010 EXECUTIVE COMMITTEE TERMS – Wholesale Gas Quadrant

PRODUCERS SEGMENT		TERM END:
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	12-31-2011
Richard D. Smith	Regulatory & Compliance Manager, Noble Energy, Inc.	12-31-2011
Mike Shepard	General Counsel, Mewbourne Oil Company	12-31-2011
PIPELINE SEGMENT		
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	12-31-2012
Kim Van Pelt	Regulatory Compliance Manager, Panhandle Eastern Pipe Line	12-31-2012
LOCAL DISTRIBUTION COMPANY (LDC) SEGMENT		
Rodger Schwecke	Director – Energy Markets and Capacity Products, Sempra Energy - Southern California Gas	12-31-2011
Phil Precht	Management Consultant – Pricing & Regulatory Services Department, Baltimore Gas and Electric Company	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	12-31-2012
Craig Colombo	Energy Trader III, Dominion Resources	12-31-2012
END USERS SEGMENT		
Norm Spooner	Supply Chain Manager – Fuel & Term Trading Department, Arizona Public Service Company	12-31-2010
Valerie Crockett	Senior Program Manager - Energy Markets & Policy, Tennessee Valley Authority	12-31-2010
Lori-Lynn C. Pennock	Senior Fuel Supply Analyst, Salt River Project	12-31-2011
Dona Gussow	Manager, Contract Administration, Florida Power and Light Company	12-31-2011
Tina Burnett	Natural Gas Operations Administrator, The Boeing Company	12-31-2011
SERVICES SEGMENT		
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.	12-31-2011
<b>Jim Buccigross</b>	Vice President, 8760 Inc.	12-31-2011
Jeff Jarvis	Senior Counsel, EnCana Marketing (USA), Inc.	12-31-2011



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### NORTH AMERICAN ENERGY STANDARDS BOARD 2010 EXECUTIVE COMMITTEE TERMS – Retail Electric Quadrant

<b>SERVICE PROVIDERS/SUPPLIERS SEGMENT</b>		<b>TERM END:</b>
Bill Barkas	Manager of Retail State Government Relations, Dominion Retail, Inc.	12-31-2011
Jim Minneman	Controller, PPL Solutions, LLC	12-31-2011
Jennifer Teel	Vice President of Client Services, E:SO ( <i>Formerly EC Power</i> )	12-31-2010
Susan Munson	ERCOT Retail Market Liaison, Electric Reliability Council of Texas (ERCOT)	12-31-2010
<b>UTILITIES SEGMENT</b>		
Phil Precht	Management Consultant - Pricing and Regulatory Services Department, Baltimore Gas & Electric Company	12-31-2011
Patrick Eynon	Supervisor – Retail Access, Ameren Services	12-31-2011
Judy Ray	Industrial Segment Manager – Contract Administrator, Alabama Power Company	12-31-2010
Michael J. Jesensky	Director – Demand –Side Analysis, Dominion Resources Services, Inc. (representing Dominion Virginia Power)	12-31-2010
<b>END USERS/PUBLIC AGENCIES SEGMENT</b>		
V A C A N C Y		12-31-2011
V A C A N C Y		12-31-2011
Annunciata E. Marino	Utility Energy Policy and Technology Analyst, Pennsylvania Public Utility Commission	12-31-2010
V A C A N C Y		12-31-2010



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TRANSMISSION SEGMENT		TERM END:	SUBSEGMENT:
Patrick McGovern	Manager - System Services, Georgia Transmission Corporation	12-31-20011	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.	12-31-2011	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	12-31-2011	at large
Michelle Mizumori	Director of Market – Operations Interface, Western Electricity Coordinating Council (WECC)	12-31-2011	At-Large
GENERATION SEGMENT			
William J. Gallagher	Special Contracts Chief, Vermont Public Power Supply Authority	12-31-2011	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	12-31-2011	IOU
Alan Johnson	Director Regulatory Compliance – Commercial Operations & Commodities, NRG Energy, Inc.	12-31-2010	Merchant
Trent Carlson	Vice President – Regulatory Affairs, RRI Energy Services, Inc.	12-31-2011	at large
Shah Hossain	Senior Regulatory Specialist, Westar Energy, Inc.	12-31-2011	at large
MARKETERS/BROKERS SEGMENT			
Chris Norton	Director of Market Regulatory Affairs, American Municipal Power, Inc.	12-31-2010	Muni/Coop
Belinda Thornton	General Manager - Energy Origination, Tennessee Valley Authority	12-31-2011	Fed/State/Prov.
V A C A N C Y		12-31-2010	Not IOU Affiliated
Richard Lehman	Supply and Trading, Salt River Project	12-31-2011	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	12-31-2011	at large
Barry Green	Barry Green Consulting (representing Electric Power Supply Association (EPSA))	12-31-2011	at large



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<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		12-31-2011	Muni/Coop
Alan Pritchard	Senior Engineer, Duke Energy Corporation	12-31-2010	IOU
Rufus D. Gladney	Executive Manager of Energy Services West, Consumers Energy Company	12-31-2011	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	12-31-2011	Other
Andy Rodriguez	Manager of Business Practice Coordination, NERC	12-31-2011	At-Large
<b>END USERS SEGMENT</b>			
V A C A N C Y		12-31-2011	End Use (Also in another segment)
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		12-31-2011	Residential/Commercial
V A C A N C Y		12-31-2010	Large Industrial
V A C A N C Y		12-31-2011	Large Industrial
Paul Sorenson	Director - Central Markets Strategy, Open Access Technology International, Inc.	12-31-2011	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	Director of Grid Operations, Electric Reliability Council of Texas	12-31-2011	
Ed Skiba	Consulting Advisor, Standards Compliance & Strategy, Midwest ISO	12-31-2011	
Charles Yeung	Executive Director Interregional Affairs, Southwest Power Pool	12-31-2011	



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### NORTH AMERICAN ENERGY STANDARDS BOARD 2010 EXECUTIVE COMMITTEE TERMS – Retail Gas Quadrant

<b>SERVICE PROVIDERS/SUPPLIERS SEGMENT</b>		<b>TERM END:</b>
V A C A N C Y		12-31-2011
V A C A N C Y		12-31-2011
Richard Zollars	Director - Data and Billing, Dominion Retail, Inc.	12-31-2010
V A C A N C Y		12-31-2010
<b>DISTRIBUTORS SEGMENT</b>		
Dan Jones	Supervisor - Certified Supplier Business Center, Duke Energy	12-31-2011
Leslie H. Nishida	Manager Gas Regulatory Services, Wisconsin Public Service Corporation	12-31-2011
<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
<b>END USERS/PUBLIC AGENCIES 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		12-31-2011
V A C A N C Y		12-31-2011



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### NORTH AMERICAN ENERGY STANDARDS BOARD 2010 EXECUTIVE COMMITTEE ALTERNATES – Wholesale Gas Quadrant

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#### END USER SEGMENT

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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

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#### DISTRIBUTION SEGMENT

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Rick Ishikawa	Interconnect Account Manager in Capacity Products Group, Southern California Gas 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.

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#### PIPELINE SEGMENT

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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

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#### PRODUCER SEGMENT

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

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#### SERVICES SEGMENT

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Keith Sappenfield	Director, US Regulatory Affairs, Midstream and Marketing, EnCana Oil and Gas (USA), Inc.
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### NORTH AMERICAN ENERGY STANDARDS BOARD 2010 EXECUTIVE COMMITTEE ALTERNATES – Retail Electric Quadrant

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#### UTILITIES SEGMENT

Keith P. Hock	Director ARES Business Center, Ameren Services Company
Ripley Newcomb	Manager – Conservation and Load Management Program, Dominion
H. Neal Allen	Profitability & Economic Analysis Manager, Alabama Power Company
William J. Welzant	Principal Supplier Services Analyst, Supplier Account Management, Baltimore Gas and Electric

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#### END USERS/PUBLIC AGENCIES SEGMENT

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#### SERVICE PRODUCERS/SUPPLIERS SEGMENT

Brandon S. Siegel	Manager – Market Management, E:SO
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END USER SEGMENT		SUB-SEGMENT
Robert Schwermann	Manager – Customer Care, Open Access Technology International, Inc.	At-Large
DISTRIBUTION/LSE SEGMENT		SUB-SEGMENT
Gerry Adamski	Vice President of Standards, NERC	At-Large
Paul K. Jett	Director – RTO Activities, Duke Energy Corporation	IOU
Lee Hall	Coordination Manager – Power Services, Bonneville Power Administration	Other
GENERATION SEGMENT		SUB-SEGMENT
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.
MARKETER/BROKER SEGMENT		SUB-SEGMENT
Jeff Ackerman	Manager, CRSP-Energy Mgmt., Western Area Power Administration	Fed/State/Prov
Brenda Anderson	Bonneville Power Administration	Fed/State/Prov
Valerie Crockett	Senior Program Manager, Energy Markets & Policy, Tennessee Valley Authority	Fed/State/Prov
TRANSMISSION SEGMENT		SUB-SEGMENT
Barbara Rehman	Policy Development & Analysis, Bonneville Power Administration	Fed/State/Prov.
Chuck Feagans	Tennessee Valley Authority	Fed/State/Prov.
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
Hasnah Mat-Amin	Market Interface Manager, Western Electricity Coordinating Council	At Large
Ross Kovacs	Transmission Strategic Coordinator, Georgia Transmission Corporation	Muni/Coop



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<b>INDEPENDENT GRID OPERATORS/PLANNERS SEGMENT</b>	<b>SUB-SEGMENT</b>
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
Marie Knox	Sr. Standards Compliance Analyst, 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
Robin Smutny-Jones	Senior Policy Advisor, California ISO (CAISO)
Terry Bilke	Director Standards Compliance and Strategy, Midwest ISO



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### NORTH AMERICAN ENERGY STANDARDS BOARD 2010 EXECUTIVE COMMITTEE ALTERNATES – Retail Gas Quadrant

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#### DISTRIBUTORS SEGMENT

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

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#### END USERS/PUBLIC AGENCIES SEGMENT

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#### SERVICE PROVIDERS/SUPPLIERS SEGMENT

Paul Cherevka	Project Manager Data Warehouse, Dominion Retail
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January 29, 2010

**TO:** NAESB Quadrant Executive Committee Members, Alternates and Interested Industry Participants  
**FROM:** Rae McQuade, NAESB President  
**RE:** Quadrant Executive Committee Meeting Announcements and **Revised** Draft Agendas with links to Meeting Materials

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### NORTH AMERICAN ENERGY STANDARDS BOARD EXECUTIVE COMMITTEE MEETINGS Hosted by Salt River Project in Phoenix, AZ

Please note this is a revised agenda with supplemental information highlighted in yellow.

First, let me thank SRP for its generosity and commitment to the NAESB organization through hosting this series of meetings. 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 Executive Committee (EC) will meet in Phoenix, AZ hosted by Salt River Project. Below are the meeting arrangements:

Where: PERA Club: 1 E. Continental Drive, Tempe, AZ 85281-1053  
Contact: Veronica Thomason, 713-356-0060  
When: Tuesday, February 2 -- 10:00 a.m. to 4:00 p.m. Mountain – Wholesale Electric Quadrant  
Wednesday, February 3 -- 10:00 a.m. to 4:00 p.m. Mountain – Retail Gas Quadrant and Retail Electric Quadrant  
Thursday, February 4 -- 10:00 a.m. to 4:00 p.m. Mountain – Wholesale Gas Quadrant

If you plan to attend any of the above EC meetings and have not already RSVPed to our office through the other announcements, please do so 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. Travel information is posted on the NAESB web site on the EC pages and can be directly accessed from the following link: [http://www.naesb.org/weq/weq\\_ec.asp](http://www.naesb.org/weq/weq_ec.asp). If you plan to participate by conference call, the information to do so is provided in this document. The EC meetings will be web cast as well. 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 each quadrant meeting, in addition to the links to the native formatted documents provided in the agendas. 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 meetings. 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.

Please note that in discussions with the Retail Quadrants EC chairs and vice chairs, it has been determined that all Retail EC meetings for 2010 will be conference call/web casts in recognition of the small number of in-person attendance from the 2009 records, and also in recognition of the reduced travel budgets for 2010 of many of the Retail EC members. However, since NAESB staff will be on location to provide support for the retail EC meetings, any Retail EC participant may choose to join the staff and participate in-person.

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)

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There are other NAESB subcommittee meetings being held in conjunction with the EC meetings. They are held in various locations, and available via conference call and web cast, and upon advance request<sup>1</sup> for WGQ Joint IR/Technical subcommittee meetings. The details are:

Date	Time	Meeting/Location
Tues Feb 2	10 am to 4 pm M	WEQ EC Meeting/PERA Club Conference Call Number: 866-740-1260 Access Code: 3560060 Security Code: 1022 Web Cast: <a href="http://www.readytalk.com">http://www.readytalk.com</a> (please use same codes)
	9 am to 4 pm M	Day 1 of WGQ Joint IR & Technical//PERA Club No conference calling requested
Wed Feb 3	10 am to 4 pm M	Retail EC Meeting by phone/web cast/ for in person attendance, please join NAESB staff at PERA Club Conference Call Number: 866-740-1260 Access Code: :3560060 Security Code: 8035 Web Cast: <a href="http://www.readytalk.com">http://www.readytalk.com</a> (please use same codes)
	9 am to 4 pm M	Day 2 of WGQ Joint IR & Technical//PERA Club No conference calling requested
	9 am to 4 pm M	Day 1 of WEQ OASIS Subcommittee/ PERA Club Conference Call Number: 866-740-1260 Access Code: : 3560061 Security Code: 2501 Web Cast: <a href="http://www.readytalk.com">http://www.readytalk.com</a> (please use same codes)
Thu Feb 4	10 am to 4 pm M	WGQ EC Meeting/PERA Club Conference Call Number: 866-740-1260 Access Code: :3560060 Security Code: 6425 Web Cast: <a href="http://www.readytalk.com">http://www.readytalk.com</a> (please use same codes)
	9 am to 4 pm M	Day 2 of WEQ OASIS Subcommittee/ PERA Club Conference Call Number: 866-740-1260 Access Code: : 3560061 Security Code: 2501 Web Cast: <a href="http://www.readytalk.com">http://www.readytalk.com</a> (please use same codes)

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

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

Best Regards, *Rae*

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<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.



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**NORTH AMERICAN ENERGY STANDARDS BOARD EXECUTIVE COMMITTEE MEETING  
WHOLESALE ELECTRIC QUADRANT **REVISED** DRAFT AGENDA  
Tuesday, February 2, 2010 – 10:00 am to 4:00 pm M  
PERA Club, Tempe, AZ**

- 
- | # | Agenda Item |
|---|-------------|
|---|-------------|
- 
1. Welcome
    - Antitrust Guidelines [http://www.naesb.org/misc/antitrust\\_guidance.doc](http://www.naesb.org/misc/antitrust_guidance.doc)
    - 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/ec020210a.doc>
  2. Wholesale Electric Quadrant Draft Minutes (simple majority to approve)
    - Adoption of the WEQ EC Meeting Minutes:
      - October 27, 2009: [http://www.naesb.org/pdf4/weq\\_ec102709dm.doc](http://www.naesb.org/pdf4/weq_ec102709dm.doc) **(Corrected)**
      - December 3, 2009: [http://www.naesb.org/pdf4/weq\\_ec120309dm.doc](http://www.naesb.org/pdf4/weq_ec120309dm.doc)
  3. Review and vote on 2009 WEQ Annual Plan Items 3(a)(ii)(1)/R07013: Develop a Confidentiality Agreement – (simple-majority vote)
    - Recommendation: [http://www.naesb.org/pdf4/weq\\_2009\\_api\\_3a11\\_r07013\\_rec.doc](http://www.naesb.org/pdf4/weq_2009_api_3a11_r07013_rec.doc)
    - Formal Comment Period ended January 15, 2010:
      - A. Rodriquez, NERC: [http://www.naesb.org/pdf4/weq\\_121609\\_nerc.pdf](http://www.naesb.org/pdf4/weq_121609_nerc.pdf)
      - E. Davis, Entergy: [http://www.naesb.org/pdf4/weq\\_121609\\_entergy.doc](http://www.naesb.org/pdf4/weq_121609_entergy.doc)
      - M. Mizumori, WECC: [http://www.naesb.org/pdf4/weq\\_121609\\_wecc.doc](http://www.naesb.org/pdf4/weq_121609_wecc.doc)
      - R. Martinko, FirstEnergy Service Company: [http://www.naesb.org/pdf4/weq\\_121609\\_firstenergy.doc](http://www.naesb.org/pdf4/weq_121609_firstenergy.doc)
      - E. Skiba, Midwest ISO: [http://www.naesb.org/pdf4/weq\\_121609\\_midwestiso.doc](http://www.naesb.org/pdf4/weq_121609_midwestiso.doc)
      - B. Huey, BC Transmission Corporation: [http://www.naesb.org/pdf4/weq\\_121609\\_bctc.doc](http://www.naesb.org/pdf4/weq_121609_bctc.doc)
      - B. Rehman, Bonneville Power Administration: [http://www.naesb.org/pdf4/weq\\_121609\\_bpa.doc](http://www.naesb.org/pdf4/weq_121609_bpa.doc)
      - NAESB WEQ SRS: [http://www.naesb.org/pdf4/weq\\_121609\\_weq-srs.doc](http://www.naesb.org/pdf4/weq_121609_weq-srs.doc)
      - ISO/RTO Council: [http://www.naesb.org/pdf4/weq\\_121609\\_iso-rto.pdf](http://www.naesb.org/pdf4/weq_121609_iso-rto.pdf)
  4. 2009 WEQ Annual Plan Item 5(b) Modify NAESB definitions for consistency– (super-majority vote)
    - Recommendation: [http://www.naesb.org/pdf4/weq\\_2009\\_api\\_5b\\_rec.doc](http://www.naesb.org/pdf4/weq_2009_api_5b_rec.doc)
    - Comments due December 14, 2009:
      - B. Kedrowski, We Energies: [http://www.naesb.org/pdf4/weq\\_111209\\_we\\_energies.doc](http://www.naesb.org/pdf4/weq_111209_we_energies.doc)
      - E. Skiba, Midwest ISO: [http://www.naesb.org/pdf4/weq\\_111209\\_miso.doc](http://www.naesb.org/pdf4/weq_111209_miso.doc)
      - ERCOT, MISO, NE-ISO, PJM and SPP: [http://www.naesb.org/pdf4/weq\\_111209\\_joint\\_ercot\\_miso\\_neiso\\_pjm\\_spp.doc](http://www.naesb.org/pdf4/weq_111209_joint_ercot_miso_neiso_pjm_spp.doc)
      - NAESB SRS: [http://www.naesb.org/pdf4/weq\\_111209\\_weq\\_srs\\_late.doc](http://www.naesb.org/pdf4/weq_111209_weq_srs_late.doc)
  5. 2009 WEQ Annual Plan Items 5(a)(2), 5(i)/R08004/R09011 Affecting WEQ-011 Gas/Electric Coordination – (review only)
    - Recommendation: [http://www.naesb.org/pdf4/weq\\_2009\\_api\\_5a2\\_5i\\_r08004\\_r09011\\_rec.doc](http://www.naesb.org/pdf4/weq_2009_api_5a2_5i_r08004_r09011_rec.doc)
    - Attachment WEQ-011 – Redline: [http://www.naesb.org/pdf4/weq\\_2009\\_api\\_5a2\\_5i\\_r08004\\_r09011\\_rec\\_attach1.doc](http://www.naesb.org/pdf4/weq_2009_api_5a2_5i_r08004_r09011_rec_attach1.doc)
    - Attachment WEQ-011 – Clean: [http://www.naesb.org/pdf4/weq\\_2009\\_api\\_5a2\\_5i\\_r08004\\_r09011\\_rec\\_attach2.doc](http://www.naesb.org/pdf4/weq_2009_api_5a2_5i_r08004_r09011_rec_attach2.doc)
    - Comments Due November 2, 2009:
      - NAESB SRS: [http://www.naesb.org/pdf4/weq\\_100209weq\\_srs.doc](http://www.naesb.org/pdf4/weq_100209weq_srs.doc)
      - M. Kulas, Consumers Energy Company: [http://www.naesb.org/pdf4/weq\\_100209consumers.doc](http://www.naesb.org/pdf4/weq_100209consumers.doc)



## North American Energy Standards Board

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### NORTH AMERICAN ENERGY STANDARDS BOARD EXECUTIVE COMMITTEE MEETING WHOLESALE ELECTRIC QUADRANT **REVISED** DRAFT AGENDA

Tuesday, February 2, 2010 – 10:00 am to 4:00 pm M  
PERA Club, Tempe, AZ

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- | #   | Agenda Item  |
|-----|--|
|     | <ul style="list-style-type: none"><li>• Response to Consumers Energy Company by the WEQ and WGQ BPS Co-Chairs:<br/><a href="http://www.naesb.org/pdf4/weq_100209_weq_wgq_bps_late.doc">http://www.naesb.org/pdf4/weq_100209_weq_wgq_bps_late.doc</a></li></ul>   |
| 6.  | Subcommittee Updates (meeting materials for updates will be provided by leadership as they are available): <ul style="list-style-type: none"><li>• Triage Subcommittee: <a href="http://www.naesb.org/pdf4/tr012510disposition.doc">http://www.naesb.org/pdf4/tr012510disposition.doc</a> (report),<br/><a href="http://www.naesb.org/pdf4/tr012710agenda.doc">http://www.naesb.org/pdf4/tr012710agenda.doc</a> (new requests)</li><li>• Business Practices Subcommittee (BPS): <a href="http://www.naesb.org/pdf4/weq_ec020210w2.ppt">http://www.naesb.org/pdf4/weq_ec020210w2.ppt</a></li><li>• DSM-EE Subcommittee – Discussion on WEQ Phase 2 effort and scope:<br/><a href="http://www.naesb.org/pdf4/dsmee_group3_121709w1.doc">http://www.naesb.org/pdf4/dsmee_group3_121709w1.doc</a></li><li>• OASIS Subcommittee: Report - <a href="http://www.naesb.org/pdf4/weq_oasis_012110_progress_report.xls">http://www.naesb.org/pdf4/weq_oasis_012110_progress_report.xls</a></li><li>• Joint Electric Scheduling Subcommittee (JESS)</li><li>• Standards Review Subcommittee (SRS): <a href="http://www.naesb.org/pdf4/weq_ec020210w1.ppt">http://www.naesb.org/pdf4/weq_ec020210w1.ppt</a></li><li>• Glossary Efforts</li></ul>   |
| 7.  | Review, discuss, identify changes and vote to approve changes to the 2010 Annual Plan to be proposed to the Board of Directors:<br><a href="http://www.naesb.org/pdf4/weq_2010_annual_plan.doc">http://www.naesb.org/pdf4/weq_2010_annual_plan.doc</a> (simple majority vote for EC endorsement of proposed changes to be forwarded for Board approval)  |
| 8.  | Board of Directors, Board Committee and Regulatory Updates (no votes or action to be taken): <ul style="list-style-type: none"><li>• Board Updates – Board Meeting December 10, 2009: <a href="http://www.naesb.org/pdf4/bd121009dm.doc">http://www.naesb.org/pdf4/bd121009dm.doc</a></li><li>• Wholesale Gas and Retail key activities – WGQ Annual Plan, Retail Annual Plan<br/><a href="http://www.naesb.org/pdf4/wgq_2010_annual_plan.doc">http://www.naesb.org/pdf4/wgq_2010_annual_plan.doc</a> (WGQ),<br/><a href="http://www.naesb.org/pdf4/retail_2010_annual_plan.doc">http://www.naesb.org/pdf4/retail_2010_annual_plan.doc</a> (Retail)</li><li>• Update on WEQ Board Deliberations on Segment Structure</li><li>• Regulatory Efforts:<ul style="list-style-type: none"><li>• December 16, 2009, NAESB Report to FERC on WEQ Version 2.1 Errata Filing – (Docket No. RM05-5 et al):<br/><a href="http://www.naesb.org/pdf4/ferc121609_weq_version2.1_errata.pdf">http://www.naesb.org/pdf4/ferc121609_weq_version2.1_errata.pdf</a></li><li>• November 24, 2009, FERC Final Rule Docket No. RM08-19-000, et al.; Order No. 729:<br/><a href="http://www.naesb.org/pdf4/ferc112409_final_rule_order729.pdf">http://www.naesb.org/pdf4/ferc112409_final_rule_order729.pdf</a></li><li>• November 24, 2009, FERC Final Rule Docket No. RM05-5-013; Order No. 676-E – FERC Action on NAESB WEQ Version 002.1 standards: <a href="http://www.naesb.org/pdf4/ferc112409_order_676E.doc">http://www.naesb.org/pdf4/ferc112409_order_676E.doc</a></li><li>• November 19, 2009, FERC Order on Clarification – Docket Nos. RM05-17-005 and RM05-25-005; Order No. 890-D:<br/><a href="http://www.naesb.org/pdf4/ferc111909_order_on_clarification_order890d.doc">http://www.naesb.org/pdf4/ferc111909_order_on_clarification_order890d.doc</a></li></ul></li></ul> |
| 9.  | Other Business <ul style="list-style-type: none"><li>• 2010 Schedule: <a href="http://www.naesb.org/misc/2010_schedule.pdf">http://www.naesb.org/misc/2010_schedule.pdf</a></li></ul>  |
| 10. | Adjourn  |

*Attire – Business Casual*



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### NORTH AMERICAN ENERGY STANDARDS BOARD EXECUTIVE COMMITTEE MEETING RETAIL QUADRANTS DRAFT AGENDA

Wednesday, February 3 – 10:00 am to 4:00 pm M  
Web Cast and Conference Call, for in person attendance – PERA Club, Tempe, AZ

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- | #  | Agenda Item  |
|----|--|
| 1. | Welcome <ul style="list-style-type: none"><li>• Antitrust Guidelines <a href="http://www.naesb.org/misc/antitrust_guidance.doc">http://www.naesb.org/misc/antitrust_guidance.doc</a> (Guidance)</li><li>• Welcome to members and attendees</li><li>• Quorum Establishment: Roll Call of Retail 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)</li><li>• Adoption of Retail Agenda (simple majority) <a href="http://www.naesb.org/pdf4/ec020210a.doc">http://www.naesb.org/pdf4/ec020210a.doc</a></li></ul>  |
| 2. | Retail Quadrants Draft Minutes (simple majority to approve) <ul style="list-style-type: none"><li>• Adoption of the Retail EC Meeting Minutes:<ul style="list-style-type: none"><li>• October 28, 2009: <a href="http://www.naesb.org/pdf4/retail_ec102809dm.doc">http://www.naesb.org/pdf4/retail_ec102809dm.doc</a></li></ul></li></ul>  |
| 3. | Review, Discuss and Vote on 2009 Retail Annual Plan Item 1/R05016 – Develop Technical Electronic Implementation Standards and Data Dictionaries (Book 9: Customer Billing and Payment Notification via Uniform Electronic Transaction) <ul style="list-style-type: none"><li>• Recommendation – Part A with Revised Attachments: <a href="http://www.naesb.org/pdf4/retail_2009_api1_r05016_rev_rec.doc">http://www.naesb.org/pdf4/retail_2009_api1_r05016_rev_rec.doc</a></li><li>• Revised Attachment 1 – Data Dictionaries: <a href="http://www.naesb.org/pdf4/retail_2009_api1_r05016_rev_rec_attach1.doc">http://www.naesb.org/pdf4/retail_2009_api1_r05016_rev_rec_attach1.doc</a></li><li>• Revised Attachment 2 – X12 Technical Implementation Guidelines: <a href="http://www.naesb.org/pdf4/retail_2009_api1_r05016_rev_rec_attach2.doc">http://www.naesb.org/pdf4/retail_2009_api1_r05016_rev_rec_attach2.doc</a></li><li>• Comments due 12/16/09 – none received</li></ul> |
| 4. | Discussion on Retail Version 1.2, published December 31, 2009: <a href="http://www.naesb.org/retail_standards.asp">http://www.naesb.org/retail_standards.asp</a>   |
| 5. | Subcommittee Updates (meeting materials for updates will be provided by leadership as they are available): <ul style="list-style-type: none"><li>• Triage Subcommittee: <a href="http://www.naesb.org/pdf4/tr012510disposition.doc">http://www.naesb.org/pdf4/tr012510disposition.doc</a> (report), <a href="http://www.naesb.org/pdf4/tr012710agenda.doc">http://www.naesb.org/pdf4/tr012710agenda.doc</a> (new requests)</li><li>• Business Practices Subcommittee (BPS) and Texas Task Force</li><li>• DSM-EE Subcommittee</li><li>• Information Requirements Subcommittee (IR )</li><li>• Technical Electronic Implementation Subcommittee (TEIS)</li><li>• Glossary Efforts</li></ul>   |
| 6. | Review, discuss, identify changes and vote to approve changes to the 2010 Annual Plan to be proposed to the Board of Directors: <a href="http://www.naesb.org/pdf4/retail_2010_annual_plan.doc">http://www.naesb.org/pdf4/retail_2010_annual_plan.doc</a> (simple majority vote for EC endorsement of proposed changes to be forwarded for Board approval)   |
| 7. | Board of Directors, Board Committee and Regulatory Updates (no votes or action to be taken): <ul style="list-style-type: none"><li>• Board Updates - Board Meeting December 10, 2009: <a href="http://www.naesb.org/pdf4/bd121009dm.doc">http://www.naesb.org/pdf4/bd121009dm.doc</a></li><li>• Wholesale Gas and Wholesale Electric key activities – WGQ Annual Plan, WEQ Annual Plan - <a href="http://www.naesb.org/pdf4/wgq_2010_annual_plan.doc">http://www.naesb.org/pdf4/wgq_2010_annual_plan.doc</a> (WGQ), <a href="http://www.naesb.org/pdf4/weq_2010_annual_plan.doc">http://www.naesb.org/pdf4/weq_2010_annual_plan.doc</a> (WEQ)</li></ul>  |
| 8. | Other Business <ul style="list-style-type: none"><li>• 2010 Schedule: <a href="http://www.naesb.org/misc/2010_schedule.pdf">http://www.naesb.org/misc/2010_schedule.pdf</a></li></ul>  |
| 9. | Adjourn  |

*Attire – Business Casual*



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**NORTH AMERICAN ENERGY STANDARDS BOARD EXECUTIVE COMMITTEE MEETING**  
**WHOLESALE GAS QUADRANT **REVISED** DRAFT AGENDA**  
**Thursday, February 4, 2009 – 10:00 am to 4:00 pm M**  
**PERA Club, Phoenix, AZ**

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- | # | Agenda Item |
|---|-------------|
|---|-------------|
- 
1. Welcome
    - Antitrust Guidelines [http://www.naesb.org/misc/antitrust\\_guidance.doc](http://www.naesb.org/misc/antitrust_guidance.doc) (Guidance)
    - Welcome to members and attendees
    - Quorum Establishment: Roll Call of WGQ 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 WGQ Agenda (simple majority) <http://www.naesb.org/pdf4/ec020210a.doc>
  2. WGQ Quadrants Draft Minutes (simple majority to approve)
    - Adoption of the WGQ EC Meeting Minutes:  
October 29, 2009: [http://www.naesb.org/pdf4/wgq\\_ec102909dm.doc](http://www.naesb.org/pdf4/wgq_ec102909dm.doc), [http://www.naesb.org/pdf4/wgq\\_ec020410w1.doc](http://www.naesb.org/pdf4/wgq_ec020410w1.doc)  
(redlined supplied by D. Davis)
  3. Discuss, Consider and Vote on Minor Corrections (simple majority):
    - MC10001 - Revised - Minor Correction Submitted by M. Stender, El Paso Natural Gas to NAESB standard 5.4.1, 5.4.2 and 5.4.17 version 1.9: [http://www.naesb.org/pdf4/wgq\\_mc10001\\_revised011210.doc](http://www.naesb.org/pdf4/wgq_mc10001_revised011210.doc)
    - MC10002/R09019 - Minor Correction (errata to Version 1.9) to modify three and add one new Allocation Transaction Type Code Values and modify the Allocation Transaction Type Matrix accordingly in the following data set: Allocation, NAESB WGQ Standard No. 2.4.3 (Note: This recommendation corrects the actions taken for R05028 which were published in Version 1.9.): [http://www.naesb.org/pdf4/wgq\\_mc10002.doc](http://www.naesb.org/pdf4/wgq_mc10002.doc)
    - MC10003 - Minor Correction to Version 1.9 NAESB WGQ Standard No. 2.2.4 – Shipper Imbalance (EDI Implementation: ASC X12 Mapping Guidelines and Data Element Cross Reference): [http://www.naesb.org/pdf4/wgq\\_mc10003.doc](http://www.naesb.org/pdf4/wgq_mc10003.doc)
    - MC09024 Recommendation - Submitted by M. Schmitz, Northern Natural Gas - This request proposes the addition of 1 code values for the data element “Validation Code (Detail)” in the following datasets for the NAESB WGQ Version 1.9 release: NAESB WGQ Standard 1.4.2 - Nomination Quick Response [http://www.naesb.org/pdf4/wgq\\_mc09024\\_rec\\_011810.doc](http://www.naesb.org/pdf4/wgq_mc09024_rec_011810.doc)
    - MC09033 Recommendation - Submitted by M. Schmitz, Northern Natural Gas - This request proposes the addition of 4 code values for the data element “Charge Type” in the following datasets for the NAESB WGQ Version 1.9 release: NAESB WGQ Standard 3.4.1 – Transportation / Sales Invoice: [http://www.naesb.org/pdf4/wgq\\_mc09033\\_rec\\_011910.doc](http://www.naesb.org/pdf4/wgq_mc09033_rec_011910.doc)
    - MC10005 Recommendation – Submitted by C. Burden, Williams Gas Pipeline – This request proposes the correction of language for the NAESB WGQ Version 1.9 release: NAESB WGQ Standard 4.3.16: [http://www.naesb.org/pdf4/wgq\\_mc10005.doc](http://www.naesb.org/pdf4/wgq_mc10005.doc)
    - MC10006 Recommendation – Submitted by C. Burden, Williams Gas Pipeline – This request proposes corrections to NAESB WGQ Standards Booklet 1 of 2, NAESB WGQ QEDM Standards Manual and NAESB WGQ Capacity Release Standards Manual to correct an error in wording: [http://www.naesb.org/pdf4/wgq\\_mc10006.doc](http://www.naesb.org/pdf4/wgq_mc10006.doc)
    - MC10007 Recommendation – Submitted by C. Burden, Williams Gas Pipeline – This request proposes corrections to NAESB WGQ QEDM Standards Manual, Version 1.9 to correct browser and plug-in information and a spelling correction: [http://www.naesb.org/pdf4/wgq\\_mc10007.doc](http://www.naesb.org/pdf4/wgq_mc10007.doc)
  4. Review, Discuss and Vote on R08020 – Provide for enhanced granularity for public utilities identifying critical operational flow orders
    - Recommendation: [http://www.naesb.org/pdf4/r08020\\_rec.doc](http://www.naesb.org/pdf4/r08020_rec.doc)
    - Comments due January 29, 2010 – none received
  5. Review, Discuss and Vote on R09001 – Add two data elements to the Transactional Reporting – Interruptible Transportation Document (5.4.22)
    - Recommendation: [http://www.naesb.org/pdf4/r09001\\_rec.doc](http://www.naesb.org/pdf4/r09001_rec.doc)
    - Comments due January 20, 2010



## North American Energy Standards Board

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**NORTH AMERICAN ENERGY STANDARDS BOARD EXECUTIVE COMMITTEE MEETING**  
**WHOLESALE GAS QUADRANT **REVISED** DRAFT AGENDA**  
**Thursday, February 4, 2009 – 10:00 am to 4:00 pm M**  
**PERA Club, Phoenix, AZ**

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- | # | Agenda Item |
|---|-------------|
|---|-------------|
- 
- Comments submitted by I. King, Dominion Transmission: [http://www.naesb.org/pdf4/wgq\\_122109\\_dominion.doc](http://www.naesb.org/pdf4/wgq_122109_dominion.doc)
6. Subcommittee Updates (meeting materials for updates will be provided by leadership as they are available):
    - Triage Subcommittee: <http://www.naesb.org/pdf4/tr012510disposition.doc> (report),  
<http://www.naesb.org/pdf4/tr012710agenda.doc> (new requests)
    - Business Practices Subcommittee (BPS)
    - Electronic Delivery Mechanisms Subcommittee (EDM)
    - Information Requirements Subcommittee (IR)/Technical Subcommittee
    - Interpretations Subcommittee
    - Contracts Subcommittee
  7. Review, discuss, identify changes and vote to approve changes to the 2010 Annual Plan to be proposed to the Board of Directors:  
[http://www.naesb.org/pdf4/wgq\\_2010\\_annual\\_plan.doc](http://www.naesb.org/pdf4/wgq_2010_annual_plan.doc) (simple majority vote for EC endorsement of proposed changes to be forwarded for Board approval)
  8. Board of Directors, Board Committee and Regulatory Updates (no votes or action to be taken):
    - Board Updates: Board Meeting September 24, 2009:
    - Retail and Wholesale Electric key activities – Retail Annual Plan, WEQ Annual Plan -  
[http://www.naesb.org/pdf4/retail\\_2010\\_annual\\_plan.doc](http://www.naesb.org/pdf4/retail_2010_annual_plan.doc) (Retail),  
[http://www.naesb.org/pdf4/weq\\_2010\\_annual\\_plan.doc](http://www.naesb.org/pdf4/weq_2010_annual_plan.doc) (WEQ)
    - Update on Board Retail Structure Review Committee efforts
    - FERC Efforts:
      - FERC NOPR on NAESB WGQ Version 1.9 Standards (Docket No. RM96-1-036):  
[http://www.naesb.org/pdf4/ferc111909\\_nopr\\_wgq\\_1.9.pdf](http://www.naesb.org/pdf4/ferc111909_nopr_wgq_1.9.pdf)
  9. Other Business:
    - 2010 Schedule: [http://www.naesb.org/misc/2010\\_schedule.pdf](http://www.naesb.org/misc/2010_schedule.pdf)
  10. Adjourn

*Attire – Business Casual*



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October 28, 2009

**TO:** NAESB Quadrant Executive Committee Members, Alternates and Interested Industry Participants  
**FROM:** Cory Galik Cummings, Staff Attorney  
**RE:** Retail Executive Committee Meeting Draft Minutes

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**NORTH AMERICAN ENERGY STANDARDS BOARD  
RETAIL EXECUTIVE COMMITTEE MEETING  
October 28, 2009  
DRAFT MINUTES**

### 1. Welcome

Ms. Kiselewich called the meeting to order at 10:00 am Eastern and welcomed the Retail Electric (REQ) and Retail Gas (RGQ) Executive Committee (EC) members and other participants. Ms. Cummings gave the antitrust guidance and REQ and RGQ members and other participants introduced themselves. Quorum was established. Ms. Kiselewich reviewed the agenda. Mr. Jones moved to adopt the agenda and Ms. Marino seconded the motion. The motion passed without opposition.

### 2. Retail Quadrant Draft Minutes

The May 13, 2009 Retail EC meeting minutes were reviewed. Mr. Jones moved to adopt the minutes and Ms. Munson seconded the motion. The motion passed unanimously.

The October 2, 2009 Retail EC meeting minutes were reviewed. Mr. Jones moved to adopt the minutes and Mr. Eynon seconded the motion. The motion passed unanimously.

### 3. Discussion for the next Retail Publication Schedule

Retail publication version 1.1 was published on June 30, 2009 and the next retail publication was scheduled for late summer, 2010. Mr. Novak asked if the retail quadrant would publish a supplement to version 1.1 at the end of the year to include the items that missed the deadline for the June publication. Ms. McQuade noted that a publication would be possible at the end of 2009 as long as participants volunteered to proof the publication with Ms. Rager. To be included in the supplemental publication would be book 0 – the glossary, book 12 – Customer Inquiries and Book 13- Demand Response, none of which include technical implementation guides.

### 4. Subcommittee Updates and Plan Updates

Triage Subcommittee: Ms. Mcquade noted that there were no [trriage requests](#) for the retail quadrants, one request for the WEQ, which modifies the OASIS standards and the remaining triage requests were for the WGQ. Comments on the triage items are due October 30.

Business Practice Subcommittee: Mr. Jones provided the update. Annual plan item 4, Customer Inquiries, has been ratified and is ready for publication. Annual plan item 4(b) is also complete as there were no technical implementations needed for Customer Inquiries. The subcommittee has also reviewed annual plan item 8, Billing and Payments and has worked to re-create the flow diagrams for the model business practices. While they were unable to meet the 3<sup>rd</sup> quarter, 2009 deadline, they have been making progress on this item. The subcommittee plans to vote out Registration Agent Processes at the December 3 BPS meeting, which will create Book 14.

DSM-EE Subcommittee: Mr. Precht provided the update. At the Retail EC call to vote out the retail demand response recommendation some non-substantive comments were accepted as friendly amendments and the standards were approved by the EC. They are currently out for ratification, which will conclude on November 16, 2009. The



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EC voted to send the bulk of the formal comments back to the retail demand response work group for further review. The next DSM-EE subcommittee meeting will be held on November 2 in Baltimore, Maryland.

Technical Electronic Implementation Subcommittee (TEIS) and Information Requirements Subcommittee (IR): Ms. Munson has completed work on Book 9 and made changes based on comments from Southern Company. The work will go out for another formal comment period before the EC votes on it.

Texas Task Force: Ms. Munson noted that she and Ms. McKeever were working with the BPS on Book 14 to be voted out of subcommittee in December.

Glossary Subcommittee: Mr. Eynon provided the update. The glossary subcommittee has met four times since the last Retail EC meeting. Three of those meetings were held to discuss the 49 retail demand response terms. Some of the terms were defined but not used in the standards. The glossary subcommittee agreed to keep those terms in until the retail demand response work group completes the work that the EC assigned them after approving the first retail DR recommendation. If, after that work is complete, the terms are still not used in the model business practices they will be deleted. The fourth meeting was held to review 11 terms for Book 14, Registration Agent Processes.

The glossary subcommittee has also been tasked with reviewing the terms defined in Book 0 to determine if they apply to the expanded scope of the retail quadrants, most significantly to demand side management and Smart Grid.

### **5. Discuss 2010 Annual Plan effort**

A conference call is scheduled for Friday November 6, 2009 to discuss the 2010 Retail Quadrants Annual Plan. Some of the work on the 2009 plan will carry over into next year. Participants were encouraged to send any suggested items to the NAESB office prior to the November 6 call.

### **6. Board of Directors, Board Committee and Regulatory Updates**

Board Updates: Ms. McQuade urged participants to review the [minutes from the September 24, 2009](#) Board meeting.

Regulatory Efforts: On October 2, 2009 NAESB [filed comments with the FCC](#) on NBP Public Notice #2, GN Docket Nos. 09-47, 09-51 and 09-137. The NAESB office also filed similar comments with FERC and NIST. The filings were submitted to highlight the need for transparency in decision making, identification of the decision makers and the process by which decisions are made. It is questionable whether the transparency outlined in the comments has been achieved.

### **7. Other Business**

Election of Officers for 2010: Various Retail EC members have terms ending at the close of 2009. Ms. McQuade hoped that those participants would run for another terms. Because so many EC terms are ending this year an election will be held to elect EC members prior to the election of officers. Ms. Edwards noted that she would be resigning her EC position at the end of the year.

### **8. Adjourn**

Mr. Jones moved to adjourn the meeting. The meeting adjourned at 1:34 PM Eastern.



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### 9. Attendance and Vote Record

RETAIL GAS QUADRANT EXECUTIVE COMMITTEE		ATTENDANCE
<b>SERVICE PROVIDERS/SUPPLIERS SEGMENT</b>		
Richard Zollars	Dominion Retail, Inc.	
<b>DISTRIBUTION SEGMENT</b>		
Dan Jones	Duke Energy	In Person
Leslie H. Nishida	Wisconsin Public Service Corporation	Phone
<b>Michael Novak</b>	National Fuel Gas Distribution Corporation	Phone
<b>END USER SEGMENT/PUBLIC AGENCIES SEGMENT</b>		
RETAIL ELECTRIC QUADRANT EXECUTIVE COMMITTEE		ATTENDANCE
<b>SERVICE PROVIDERS/SUPPLIERS SEGMENT</b>		
Bill Barkas	Dominion Retail, Inc.	In Person
Jim Minneman	PPL Solutions, LLC	Phone
Jennifer Teel	EC Power	
Susan Munson	Electric Reliability Council of Texas	Phone
<b>UTILITIES SEGMENT</b>		
Ruth Kiselewich	Baltimore Gas and Electric Company	Phone
Patrick Eynon	Ameren Services	In Person
Judy Ray	Alabama Power Company	Phone
Mary Edwards	Dominion Virginia Power	In Person
<b>END USER/PUBLIC AGENCIES SEGMENT</b>		
Annunciata Marino	Pennsylvania Public Utility Commission	Phone

#### Other Participant Attendance

Participant	Organization	Attendance
Cory Cummings	NAESB	In Person
Mike Jesensky	Dominion	In Person
Deanna Kirn	Dominion	In Person
Debbie McKeever	Oncor	Phone
Rae McQuade	NAESB	In Person
Rip Newcomb	Dominion	Phone
Phil Precht	BGE	In Person
Denise Rager	NAESB	Phone
Veronica Thomason	NAESB	In Person
Jill Vaughn	Court Reporter	In Person



**RECOMMENDATION TO NAESB EXECUTIVE COMMITTEE**  
**With Revised Attachments – Part A**  
**For Quadrant: Retail Electric and Retail Gas Quadrants**

**Requesters:** Retail Texas Task Force  
**Request No.:** 2009 Annual Plan Item 1 / R05016:  
**Request Title:** Develop Technical Electronic Implementation Standards and Data Dictionaries – Book 9: Customer Billing and Payment Notification via Uniform Electronic Transactions

**1. RECOMMENDED ACTION:**

- Accept as requested
- Accept as modified below
- Decline

**EFFECT OF EC VOTE TO ACCEPT RECOMMENDED ACTION:**

- Change to Existing Practice
- Status Quo

**2. TYPE OF DEVELOPMENT/MAINTENANCE**

**Per Request:**

- Initiation
- Modification
- Interpretation
- Withdrawal
  
- Principle
- Definition
- Business Practice Standard
- Document
- Data Element
- Code Value
- X12 Implementation Guide
- Business Process Documentation

**Per Recommendation:**

- Initiation
- Modification
- Interpretation
- Withdrawal
  
- Principle
- Definition
- Business Practice Standard
- Document
- Data Element
- Code Value
- X12 Implementation Guide
- Business Process Documentation

**3. RECOMMENDATION**

**SUMMARY:**

The Joint Retail Electric and Retail Gas Quadrants' Retail Texas Task Force submits this Recommendation for the 2009 Annual Plan Item 1/R05016: Develop Technical Electronic Implementation Standards and Data Dictionaries – Book 9: Customer Billing and Payment Notification via Uniform Electronic Transactions. The Technical X12 Implementation Guidelines and Data Dictionaries support the Model Business Practices: [R05016 - Customer Billing and Payment Notification via Uniform Electronic Transactions](#).



## RECOMMENDATION TO NAESB EXECUTIVE COMMITTEE

With Revised Attachments – Part A

For Quadrant: Retail Electric and Retail Gas Quadrants

<b>Requesters:</b>	<b>Retail Texas Task Force</b>
<b>Request No.:</b>	<b>2009 Annual Plan Item 1 / R05016:</b>
<b>Request Title:</b>	<b>Develop Technical Electronic Implementation Standards and Data Dictionaries – Book 9: Customer Billing and Payment Notification via Uniform Electronic Transactions</b>

### RECOMMENDED STANDARDS:

The recommended technical X12 implementation guidelines and data dictionaries for RXQ.9.6.2 Customer Payment (Order/Remittance Advice) have been revised to include changes as submitted in comments during the initial request for formal comment period which ended April 1, 2009. The revised documents are provided as attachments to the recommendation below:

**Attachment 1 - Data Dictionaries** (RXQ.9.6.2 Customer Payment (Order/Remittance Advice)):

Link - [http://naesb.org/pdf4/retail\\_2009\\_api1\\_r05016\\_rev\\_rec\\_attach1.doc](http://naesb.org/pdf4/retail_2009_api1_r05016_rev_rec_attach1.doc)

**Attachment 2 - Technical X12 Implementation Guidelines** (RXQ.9.6.2 Customer Payment (Order/Remittance Advice)):

Link - [http://naesb.org/pdf4/retail\\_2009\\_api1\\_r05016\\_rev\\_rec\\_attach2.doc](http://naesb.org/pdf4/retail_2009_api1_r05016_rev_rec_attach2.doc)

### 4. SUPPORTING DOCUMENTATION

**a. Description of Request:**

Develop Technical Electronic Implementation Standards and Data Dictionaries (Book 9) - Customer Billing and Payment Notification via Uniform Electronic Transactions

**b. Description of Recommendation:**

See Summary

**c. Business Purpose:**

To support Model Business Practices: [R05016 - Customer Billing and Payment Notification via Uniform Electronic Transactions](#).

**d. Commentary/Rationale of Subcommittee(s)/Task Force(s):**

## RXQ.9.6.2 Customer Payment

### Data Dictionary

Data Elem. Name	Description	Use	Condition	Comments [Options]
Transaction Handling Code	Code identify if remittance and dollars are sent or just remittance	M		[I,C]
Payment Amount	Total amount of Payment	M		
Credit/Debit Flag	Identifies payment as Credit	M		[C]
Payment Method Code	Identifies the type of Payment made	M		[ACH, CHK, FWT]
Payment Format Code	Identifies the type of ACH payment; used only when Payment Method Code is ACH	C		[CCP, CTX]
DFI ID Number	Payer's or Payee's Bank ABA Number	O		
Account Number	Payer's or Payee's Bank Account Number	O		
Originating Company ID	Identifying number for the payer	O		
Originating Company Supplemental Code	Code that uniquely identifies the Payer (defined by Payer and Bank)	O		
Funds Transfer Date	Identifies the date the payment is effective	M		
Trace Number	Unique ID identifying this transaction, created by the originator, enabling cross-reference to ACH or wire payments.	M		
Payee Name	Identifies the receiver of the payment	M		
Payee DUNS	Identifies the DUNS or DUNS plus 4 for the Payee	O		
Payer Name	Identifies the originator of the payment	M		
Payer DUNS	Identifies the DUNS or DUNS plus 4 for the Payer	O		
Payer Contact Name	Identifies the contact name for the Payer	O		
Payer primary Phone Number	Identifies the payer contact's primary phone number	O		
Payer Secondary Phone Number	Identifies the payer contact's secondary phone number	O		
Agent Identifier	Name or identifier for the payment agent when a payment is made by a payment agent (i.e. Checkfree)	O		
Bill To Name	Identifies the customer name when the payment is from a payment agent	O		
Bill To Address1	Customer billing address line 1	O		
Bill To Address2	Customer billing address line 2	O		
Bill to City	Customer Billing address city	O		
Bill to State	Customer Billing Address State	O		
Bill to Zip	Customer Billing Address Zip	O		
Customer Contact Name	Contact name for Customer	O		
Customer Primary Phone Number	Customer Contact Primary Phone Number	O		

Use Legend: M = Mandatory; C = Conditional; SO = Sender's Option; BC = Business Conditional; RBC = Retail Business Conditional

Data Elem. Name	Description	Use	Condition	Comments [Options]
Customer Secondary Phone Number	Customer Contact Secondary Phone Number	O		
Invoice Number	Identifies the unique invoice number that the payment refers to	M		
Payment Action Code	Identifies the payment as either a payment or an adjustment	M		[PO, AJ]
Net Payment Amount	Amount of detail payment	M		
Adjustment Reason Code	Identifies the reason for the Adjustment	O		[26, 72, CS, IF]
Adjustment Amount	Amount of Adjustment	O		
Payment Note	Provide general details about a customer payment	O		
Customer Reference Number	Additional Customer payment identification information	O		
Customer Account ID	Identifies the Customer's Account Number or Service Delivery Point	M		
Supplier Customer ID	Identifies the Supplier's identification number for the Customer	M		
Commodity Service Type	Identifies the type of service the payment is for	O		[ELECTRIC, GAS]
Invoice Date	Identifies the date of the invoice being paid	O		

Use Legend: M = Mandatory; C = Conditional; SO = Sender's Option; BC = Business Conditional; RBC = Retail Business Conditional

# 820 NAESB RXQ.9.6.2 Customer Payment Order/Remittance Advice

Functional Group ID=**RA**

## Introduction:

This Draft Standard for Trial Use contains the format and establishes the data contents of the Payment Order/Remittance Advice Transaction Set (820) for use within the context of an Electronic Data Interchange (EDI) environment. The transaction set can be used to make a payment, send a remittance advice, or make a payment and send a remittance advice. This transaction set can be an order to a financial institution to make a payment to a payee. It can also be a remittance advice identifying the detail needed to perform cash application to the payee's accounts receivable system. The remittance advice can go directly from payer to payee, through a financial institution, or through a third party agent.

## Heading:

	<u>Pos. No.</u>	<u>Seg. ID</u>	<u>Name</u>	<u>Req. Des.</u>	<u>Max.Use</u>	<u>Loop Repeat</u>	<u>Notes and Comments</u>
M	010	ST	Transaction Set Header	M	1		
M	020	BPR	Beginning Segment for Payment Order/Remittance Advice	M	1		
M	035	TRN	Trace Number (TRN~1)	M	1		c1
						LOOP ID - N1	>1
M	070	N1	Name: Payee (N1~PE)	M	1		c2
						LOOP ID - N1	>1
M	070	N1	Name: Payer (N1~PR)	M	1		
	120	PER	Payer Contact (PER~IC)	O	>1		

## Detail:

	<u>Pos. No.</u>	<u>Seg. ID</u>	<u>Name</u>	<u>Req. Des.</u>	<u>Max.Use</u>	<u>Loop Repeat</u>	<u>Notes and Comments</u>
						LOOP ID - ENT	>1
M	010	ENT	Entity	M	1		n1, c3
						LOOP ID - NM1	>1
	020	NM1	Name: Bill To Customer (N1~BT)	O	1		c4
	040	N3	Address Information	O	>1		
	050	N4	Geographic Location	O	1		
	070	PER	Customer Contact (PER~IC)	O	>1		
						LOOP ID - RMR	>1
M	150	RMR	Remittance Advice Accounts Receivable Open Item Reference	M	1		c5
	160	NTE	Payment Notes (NTE~GEN)	O	>1		
	170	REF	Customer Reference Nr (REF~CR)	C	1		
M	170	REF	Customer Account ID (REF~12/Q5)	M	1		
M	170	REF	Supplier Account Number (REF~11)	M	1		
M	170	REF	Commodity Service Type (REF~QY)	M	1		
	180	DTM	Invoice Date (DTM~003)	O	1		

## Summary:

	<u>Pos.</u>	<u>Seg.</u>	<u>Req.</u>	<u>Loop</u>	<u>Notes and</u>
RXQ.9.6.2 (004010)			1	September 30, 2009	

	<u>No.</u>	<u>ID</u>	<u>Name</u>	<u>Des.</u>	<u>Max.Use</u>	<u>Repeat</u>	<u>Comments</u>
M	010	SE	Transaction Set Trailer	M	1		

### Transaction Set Notes

1. The ENT loop is for vendor or consumer third party consolidated payments.

### Transaction Set Comments

1. The TRN segment is used to uniquely identify a payment order/remittance advice.
2. The N1 loop allows for name/address information for the payer and payee which would be utilized to address remittance(s) for delivery.
3. ENT09 may contain the payee's accounts receivable customer number.
4. Allowing the NM1 segment to repeat in this area allows the paying entity within a payer and the paid entity within a payee to be identified (not the payer and payee).
5. Loop RMR is for open items being referenced or for payment on account.

**Segment:** **ST** Transaction Set Header  
**Position:** 010  
**Loop:**  
**Level:** Heading  
**Usage:** Mandatory  
**Max Use:** 1  
**Purpose:** To indicate the start of a transaction set and to assign a control number  
**Syntax Notes:**  
**Semantic Notes:** 1 The transaction set identifier (ST01) is used by the translation routines of the interchange partners to select the appropriate transaction set definition (e.g., 810 selects the Invoice Transaction Set).  
**Comments:**  
**Notes:** REQUIRED  
 ST~820~000000001

**Data Element Summary**

	<b>Ref.</b>	<b>Data</b>	<b>Attributes</b>
	<b>Des.</b>	<b>Element Name</b>	
<b>Must Use</b>	<b>ST01</b>	<b>143 Transaction Set Identifier Code</b> Code uniquely identifying a Transaction Set 820 Payment Order/Remittance Advice	<b>M ID 3/3</b>
<b>Must Use</b>	<b>ST02</b>	<b>329 Transaction Set Control Number</b> Identifying control number that must be unique within the transaction set functional group assigned by the originator for a transaction set	<b>M AN 4/9</b>

**Segment:** **BPR** Beginning Segment for Payment Order/Remittance Advice  
**Position:** 020  
**Loop:**  
**Level:** Heading  
**Usage:** Mandatory  
**Max Use:** 1  
**Purpose:** To indicate the beginning of a Payment Order/Remittance Advice Transaction Set and total payment amount, or to enable related transfer of funds and/or information from payer to payee to occur

- Syntax Notes:**
- 1 If either BPR06 or BPR07 is present, then the other is required.
  - 2 If BPR08 is present, then BPR09 is required.
  - 3 If either BPR12 or BPR13 is present, then the other is required.
  - 4 If BPR14 is present, then BPR15 is required.
  - 5 If either BPR18 or BPR19 is present, then the other is required.
  - 6 If BPR20 is present, then BPR21 is required.

- Semantic Notes:**
- 1 BPR02 specifies the payment amount.
  - 2 When using this transaction set to initiate a payment, all or some of BPR06 through BPR16 may be required, depending on the conventions of the specific financial channel being used.  
BPR06 and BPR07 relate to the originating depository financial institution (ODFI).
  - 3 BPR08 is a code identifying the type of bank account or other financial asset.
  - 4 BPR09 is the account of the company originating the payment. This account may be debited or credited depending on the type of payment order.
  - 5 BPR12 and BPR13 relate to the receiving depository financial institution (RDFI).
  - 6 BPR14 is a code identifying the type of bank account or other financial asset.
  - 7 BPR15 is the account number of the receiving company to be debited or credited with the payment order.
  - 8 BPR16 is the date the originating company intends for the transaction to be settled (i.e., Payment Effective Date).
  - 9 BPR17 is a code identifying the business reason for this payment.
  - 10 BPR18, BPR19, BPR20 and BPR21, if used, identify a third bank identification number and account to be used for return items only.
  - 11 BPR20 is a code identifying the type of bank account or other financial asset.

**Comments:**  
**Notes:**

**REQUIRED**  
 Negative remittances cannot be sent, must hold remittance until balance can be offset with a zero or positive payment.  
  
 BPR~I~1000.00~C~ACH~CTX~~~~~~20080731

**Data Element Summary**

Ref. Des.	Data Element	Name	Attributes
Must Use	BPR01	305 Transaction Handling Code	M ID 1/2
		Code designating the action to be taken by all parties	
		C Payment Accompanies Remittance Advice	Used when Payment and Remittance are sent together to the bank.
		I Remittance Information Only	Used when remittance data is sent separate from payment.
Must Use	BPR02	782 Monetary Amount	M R 1/18
		Monetary amount	
		The total positive amount (including zero) being sent to Payee. Monetary Amount must equal the sum of all Detail Position 150 RMR04 elements.	
Must Use	BPR03	478 Credit/Debit Flag Code	M ID 1/1
		Code indicating whether amount is positive or negative	
		C Credit	

<b>Must Use</b>	<b>BPR04</b>	<b>591</b>	<b>Payment Method Code</b>	<b>M ID 3/3</b>
			Code identifying the method for transmitting the payment	
			ACH Automated Clearing House (ACH)	
			CHK Check	
			FWT Federal Reserve Funds/Wire Transfer - Nonrepetitive	
<b>Must Use</b>	<b>BPR05</b>	<b>812</b>	<b>Payment Format Code</b>	<b>M ID 1/10</b>
			Code identifying the payment format to be used	
			Used when BPR04 is ACH	
			CCP Cash Concentration/Disbursement plus Addenda (CCD+) (ACH)	
			CTX Corporate Trade Exchange (CTX) (ACH)	
<b>Used</b>	<b>BPR06</b>	<b>506</b>	<b>(DFI) ID Number Qualifier</b>	<b>C ID 2/2</b>
			Code identifying the type of identification number of Depository Financial Institution (DFI)	
			Used when 820 Payment is sent to Bank	
			01 ABA Transit Routing Number Including Check Digits (9 digits)	
			Used to identify Payer's financial institution	
<b>Used</b>	<b>BPR07</b>	<b>507</b>	<b>(DFI) Identification Number</b>	<b>O AN 3/12</b>
			Depository Financial Institution (DFI) identification number	
			Originating Bank Identification Value	
			Used when 820 Payment is sent to Bank	
<b>Used</b>	<b>BPR08</b>	<b>569</b>	<b>Account Number Qualifier</b>	<b>C ID 1/3</b>
			Code indicating the type of account	
			Used when 820 Payment is sent to Bank	
			DA Demand Deposit	
<b>Used</b>	<b>BPR09</b>	<b>508</b>	<b>Account Number</b>	<b>O AN 1/35</b>
			Account number assigned	
			Used when 820 Payment is sent to Bank	
			Payer's account number	
<b>Used</b>	<b>BPR10</b>	<b>509</b>	<b>Originating Company Identifier</b>	<b>O AN 10/10</b>
			A unique identifier designating the company initiating the funds transfer instructions. The first character is one-digit ANSI identification code designation (ICD) followed by the nine-digit identification number which may be an IRS employer identification number (EIN), data universal numbering system (DUNS), or a user assigned number; the ICD for an EIN is 1, DUNS is 3, user assigned number is 9	
			Used when 820 Payment is sent to Bank	
<b>Used</b>	<b>BPR11</b>	<b>510</b>	<b>Originating Company Supplemental Code</b>	<b>O AN 9/9</b>
			A code defined between the originating company and the originating depository financial institution (ODFI) that uniquely identifies the company initiating the transfer instructions	
			Used when 820 Payment is sent to Bank	
<b>Used</b>	<b>BPR12</b>	<b>506</b>	<b>(DFI) ID Number Qualifier</b>	<b>C ID 2/2</b>
			Code identifying the type of identification number of Depository Financial Institution (DFI)	
			Receiving Bank identification value	
			Used when 820 Payment is sent to Bank	
			01 ABA Transit Routing Number Including Check Digits (9 digits)	
			Used to identify Payee's financial institution	
<b>Used</b>	<b>BPR13</b>	<b>507</b>	<b>(DFI) Identification Number</b>	<b>O AN 3/12</b>

			Depository Financial Institution (DFI) identification number	
			Used when 820 Payment is sent to Bank	
<b>Used</b>	<b>BPR14</b>	<b>569</b>	<b>Account Number Qualifier</b>	<b>O ID 1/3</b>
			Code indicating the type of account	
			Used when 820 Payment is sent to Bank	
			DA Demand Deposit	
<b>Used</b>	<b>BPR15</b>	<b>508</b>	<b>Account Number</b>	<b>O AN 1/35</b>
			Account number assigned	
			Payee's Bank Account Number	
			Used when 820 Payment is sent to Bank	
			Payee's account number	
<b>Must Use</b>	<b>BPR16</b>	<b>373</b>	<b>Funds Transfer Date</b>	<b>M DT 8/8</b>
			Date [CCYYMMDD] when Payee intends for the transaction to be settled	
			The date the originating company intends for the transaction to be settled (i.e., Payment Effective Date).	

**Segment:** **TRN** Trace Number (TRN~1)  
**Position:** 035  
**Loop:**  
**Level:** Heading  
**Usage:** Mandatory  
**Max Use:** 1  
**Purpose:** To uniquely identify a transaction to an application  
**Syntax Notes:**  
**Semantic Notes:**

- 1 TRN02 provides unique identification for the transaction.
- 2 TRN03 identifies an organization.
- 3 TRN04 identifies a further subdivision within the organization.

**Comments:**  
**Notes:**

**REQUIRED**  
 Unique ID identifying this transaction, created by the originator, enabling cross-reference to ACH or wire payments.  
  
 TRN~1~UCP103941

**Data Element Summary**

	<u>Ref. Des.</u>	<u>Data Element</u>	<u>Name</u>	<u>Attributes</u>
Must Use	TRN01	481	Trace Type Code Code identifying which transaction is being referenced 1 Current Transaction Trace Numbers	M ID 1/2
Must Use	TRN02	127	Payment Reference ID Reference information as defined for a particular Transaction Set or as specified by the Reference Identification Qualifier	M AN 1/30

**Segment:** **N1** **Name: Payee (N1~PE)**  
**Position:** 070  
**Loop:** N1 Mandatory  
**Level:** Heading  
**Usage:** Mandatory  
**Max Use:** 1  
**Purpose:** To identify a party by type of organization, name, and code  
**Syntax Notes:**  
**1** At least one of N102 or N103 is required.  
**2** If either N103 or N104 is present, then the other is required.  
**Semantic Notes:**  
**Comments:**  
**1** This segment, used alone, provides the most efficient method of providing organizational identification. To obtain this efficiency the "ID Code" (N104) must provide a key to the table maintained by the transaction processing party.  
**2** N105 and N106 further define the type of entity in N101.  
**Notes:**  
 REQUIRED  
 Receiver of the payment/remittance advice  
 N1~PE~PAYEE COMPANY~1~007191969

**Data Element Summary**

	<u>Ref. Des.</u>	<u>Data Element</u>	<u>Name</u>	<u>Attributes</u>
Must Use	N101	98	Entity Identifier Code Code identifying an organizational entity, a physical location, property or an individual PE Payee	M ID 2/3
Must Use	N102	93	Name Free-form name Payee Name	M AN 1/60
Must Use	N103	66	Identification Code Qualifier Code designating the system/method of code structure used for Identification Code (67) 1 D-U-N-S Number, Dun & Bradstreet 9 D-U-N-S+4, D-U-N-S Number with Four Character Suffix	M ID 1/2
Must Use	N104	67	Identification Code Code identifying a party or other code Payee D-U-N-S Number or D-U-N-S + 4 Number	M AN 2/80

**Segment:** **N1** **Name: Payer (N1~PR)**  
**Position:** 070  
**Loop:** N1 Mandatory  
**Level:** Heading  
**Usage:** Mandatory  
**Max Use:** 1  
**Purpose:** To identify a party by type of organization, name, and code  
**Syntax Notes:**  
**1** At least one of N102 or N103 is required.  
**2** If either N103 or N104 is present, then the other is required.  
**Semantic Notes:**  
**Comments:**  
**1** This segment, used alone, provides the most efficient method of providing organizational identification. To obtain this efficiency the "ID Code" (N104) must provide a key to the table maintained by the transaction processing party.  
**2** N105 and N106 further define the type of entity in N101.  
**Notes:**  
 REQUIRED  
 Initiator of the payment/remittance advice  
 N1~PR~PAYER CO~9~0079111957CRN1

**Data Element Summary**

	<b>Ref.</b>	<b>Data</b>	<b>Attributes</b>
	<b>Des.</b>	<b>Element Name</b>	
<b>Must Use</b>	<b>N101</b>	<b>98 Entity Identifier Code</b> Code identifying an organizational entity, a physical location, property or an individual PR Payer	<b>M ID 2/3</b>
<b>Must Use</b>	<b>N102</b>	<b>93 Name</b> Free-form name Payer Name	<b>M AN 1/60</b>
<b>Must Use</b>	<b>N103</b>	<b>66 Identification Code Qualifier</b> Code designating the system/method of code structure used for Identification Code (67) 1 D-U-N-S Number, Dun & Bradstreet 9 D-U-N-S+4, D-U-N-S Number with Four Character Suffix	<b>M ID 1/2</b>
<b>Must Use</b>	<b>N104</b>	<b>67 Identification Code</b> Code identifying a party or other code Payer D-U-N-S Number or D-U-N-S + 4 Number	<b>M AN 2/80</b>

**Segment:** **PER** Payer Contact (PER~IC)  
**Position:** 120  
**Loop:** N1 Mandatory  
**Level:** Heading  
**Usage:** Optional  
**Max Use:** >1  
**Purpose:** To identify a person or office to whom administrative communications should be directed  
**Syntax Notes:**

- 1 If either PER03 or PER04 is present, then the other is required.
- 2 If either PER05 or PER06 is present, then the other is required.
- 3 If either PER07 or PER08 is present, then the other is required.

**Semantic Notes:**  
**Comments:**  
**Notes:**

OPTIONAL  
Payer Contact Information  
PER~IC~PAYER CONTACT~TE~7705588989~TE~4049872929

**Data Element Summary**

	<u>Ref. Des.</u>	<u>Data Element</u>	<u>Name</u>	<u>Attributes</u>
Must Use	PER01	366	<b>Contact Function Code</b> Code identifying the major duty or responsibility of the person or group named IC Information Contact	M ID 2/2
Must Use	PER02	93	<b>Name</b> Free-form name	M AN 1/60
Used	PER03	365	<b>Communication Number Qualifier</b> Code identifying the type of communication number TE Telephone	X ID 2/2
			Primary Contact Phone Number	
Used	PER04	364	<b>Communication Number</b> Complete communications number including country or area code when applicable	O AN 1/80
Used	PER05	365	<b>Communication Number Qualifier</b> Code identifying the type of communication number TE Telephone	X ID 2/2
			Secondary Contact Phone Number	
Used	PER06	364	<b>Communication Number</b> Complete communications number including country or area code when applicable	O AN 1/80

**Segment:** **ENT** Entity  
**Position:** 010  
**Loop:** ENT Mandatory  
**Level:** Detail  
**Usage:** Mandatory  
**Max Use:** 1  
**Purpose:** To designate the entities which are parties to a transaction and specify a reference meaningful to those entities

**Syntax Notes:**  
**1** If any of ENT02 ENT03 or ENT04 is present, then all are required.  
**2** If any of ENT05 ENT06 or ENT07 is present, then all are required.  
**3** If either ENT08 or ENT09 is present, then the other is required.

**Semantic Notes:**  
**Comments:**  
**1** This segment allows for the grouping of data by entity/entities at or within a master/masters. A master (e.g., an organization) can be comprised of numerous subgroups (e.g., entities). This master may send grouped data to another master (e.g., an organization) which is comprised of one or more entities. Groupings are as follows:  
 (1) Single/Single: Only ENT01 is necessary, because there is a single entity (the sending master) communicating with a single entity (the receiving master).  
 (2) Single/Multiple: ENT05, ENT06, and ENT07 would be used to identify the entities within the receiving master. The sending master is a single entity, so no other data elements need be used.  
 (3) Multiple/Single: ENT02, ENT03, and ENT04 would be used to identify the entities within the sending master. The receiving master is a single entity, so no other data elements need be used.  
 (4) Multiple/Multiple: ENT02, ENT03, and ENT04 would be used to identify the entities within the sending master. ENT05, ENT06, and ENT07 would be used to identify the entities within the receiving master.  
 This segment also allows for the transmission of a unique reference number that is meaningful between the entities.

**Notes:** REQUIRED  
 ENT~1

**Data Element Summary**

	<b>Ref. Des.</b>	<b>Data Element</b>	<b>Name</b>	<b>Attributes</b>
<b>Must Use</b>	<b>ENT01</b>	<b>554</b>	<b>Assigned Number</b> Number assigned for differentiation within a transaction set	<b>O N0 1/6</b>
<b>Used</b>	<b>ENT02</b>	<b>98</b>	<b>Entity Identifier Code</b> Code identifying an organizational entity, a physical location, property or an individual AG Agent/Agency	<b>O ID 2/3</b>
<b>Used</b>	<b>ENT03</b>	<b>66</b>	<b>Identification Code Qualifier</b> Code designating the system/method of code structure used for Identification Code (67) 94 Code assigned by the organization that is the ultimate destination of the transaction set	<b>X ID 1/2</b>
<b>Used</b>	<b>ENT04</b>	<b>67</b>	<b>Identification Code</b> Code identifying a party or other code Identifier for the Payment Agent	<b>O AN 2/80</b>

**Segment:** **NM1** Name: **Bill To Customer (N1~BT)**  
**Position:** 020  
**Loop:** NM1 Optional  
**Level:** Detail  
**Usage:** Optional  
**Max Use:** 1  
**Purpose:** To supply the full name of an individual or organizational entity  
**Syntax Notes:** 1 If either NM108 or NM109 is present, then the other is required.  
 2 If NM111 is present, then NM110 is required.  
**Semantic Notes:** 1 NM102 qualifies NM103.  
**Comments:** 1 NM110 and NM111 further define the type of entity in NM101.  
**Notes:** OPTIONAL  
 NM1~BT~3~Customer Name

**Data Element Summary**

	<u>Ref. Des.</u>	<u>Data Element</u>	<u>Name</u>	<u>Attributes</u>
Must Use	NM101	98	<b>Entity Identifier Code</b> Code identifying an organizational entity, a physical location, property or an individual BT Bill-to-Party Identifies the customer the payment is for; Used primary in payments from Payment Agents (i.e. Checkfree)	<b>M ID 2/3</b>
Must Use	NM102	1065	<b>Entity Type Qualifier</b> Code qualifying the type of entity 3 Unknown	<b>M ID 1/1</b>
Used	NM103	1035	<b>Name Last or Organization Name</b> Individual last name or organizational name Customer Name	<b>O AN 1/35</b>

**Segment:** **N3** Address Information  
**Position:** 040  
**Loop:** NM1 Optional  
**Level:** Detail  
**Usage:** Optional  
**Max Use:** >1  
**Purpose:** To specify the location of the named party  
**Syntax Notes:**  
**Semantic Notes:**  
**Comments:**  
**Notes:**

OPTIONAL  
 N3~123 SOMEWHERE RD

**Data Element Summary**

	<u>Ref. Des.</u>	<u>Data Element</u>	<u>Name</u>	<u>Attributes</u>
Must Use	N301	166	Address Information Address information	M AN 1/55
Used	N302	166	Address Information Address information	O AN 1/55

**Segment:** **N4 Geographic Location**  
**Position:** 050  
**Loop:** NM1 Optional  
**Level:** Detail  
**Usage:** Optional  
**Max Use:** 1  
**Purpose:** To specify the geographic place of the named party  
**Syntax Notes:** 1 If N406 is present, then N405 is required.  
**Semantic Notes:**  
**Comments:** 1 A combination of either N401 through N404, or N405 and N406 may be adequate to specify a location.  
2 N402 is required only if city name (N401) is in the U.S. or Canada.  
**Notes:** OPTIONAL  
N4~Anywhere~TX~12345

**Data Element Summary**

	<b>Ref.</b>	<b>Data</b>		<b>Attributes</b>
	<b>Des.</b>	<b>Element</b>	<b>Name</b>	
<b>Must Use</b>	<b>N401</b>	<b>19</b>	<b>City Name</b> Free-form text for city name	<b>M AN 2/30</b>
<b>Must Use</b>	<b>N402</b>	<b>156</b>	<b>State or Province Code</b> Code (Standard State/Province) as defined by appropriate government agency	<b>M ID 2/2</b>
<b>Must Use</b>	<b>N403</b>	<b>116</b>	<b>Postal Code</b> Code defining international postal zone code excluding punctuation and blanks (zip code for United States)	<b>M ID 3/15</b>

**Segment:** **PER** Customer Contact (PER~IC)  
**Position:** 070  
**Loop:** NM1 Optional  
**Level:** Detail  
**Usage:** Optional  
**Max Use:** >1  
**Purpose:** To identify a person or office to whom administrative communications should be directed  
**Syntax Notes:**

- 1 If either PER03 or PER04 is present, then the other is required.
- 2 If either PER05 or PER06 is present, then the other is required.
- 3 If either PER07 or PER08 is present, then the other is required.

**Semantic Notes:**  
**Comments:**  
**Notes:**

OPTIONAL  
Customer Contact Information  
PER~IC~CUSTOMER CONTACT~TE~7134583838~7139990000

**Data Element Summary**

	<b>Ref. Des.</b>	<b>Data Element</b>	<b>Name</b>	<b>Attributes</b>
Must Use	PER01	366	<b>Contact Function Code</b> Code identifying the major duty or responsibility of the person or group named IC Information Contact	M ID 2/2
Must Use	PER02	93	<b>Name</b> Free-form name Customer Contact Name	M AN 1/60
Used	PER03	365	<b>Communication Number Qualifier</b> Code identifying the type of communication number TE Telephone	X ID 2/2
Used	PER04	364	<b>Communication Number</b> Complete communications number including country or area code when applicable Customer Contact Primary Phone Number	O AN 1/80
Used	PER05	365	<b>Communication Number Qualifier</b> Code identifying the type of communication number TE Telephone	X ID 2/2
Used	PER06	364	<b>Communication Number</b> Complete communications number including country or area code when applicable Customer Contact Secondary Phone Number	O AN 1/80

**Segment:** **RMR** **Remittance Advice Accounts Receivable Open Item Reference**

**Position:** 150

**Loop:** RMR Mandatory

**Level:** Detail

**Usage:** Mandatory

**Max Use:** 1

**Purpose:** To specify the accounts receivable open item(s) to be included in the cash application and to convey the appropriate detail

**Syntax Notes:**

- 1 If either RMR01 or RMR02 is present, then the other is required.
- 2 If either RMR07 or RMR08 is present, then the other is required.

**Semantic Notes:**

- 1 If RMR03 is present, it specifies how the cash is to be applied.
- 2 RMR04 is the amount paid.
- 3 RMR05 is the amount of invoice (including charges, less allowance) before terms discount (if discount is applicable) or debit amount or credit amount of referenced items.
- 4 RMR06 is the amount of discount taken.
- 5 RMR08, if present, represents an interest penalty payment, amount late interest paid, or amount anticipation.

**Comments:**

- 1 Parties using this segment should agree on the content of RMR01 and RMR02 prior to initiating communication.
- 2 If RMR03 is not present, this is a payment for an open item. If paying an open item, RMR02 must be present. If not paying a specific open item, RMR04 must be present.
- 3 RMR05 may be needed by some payees to distinguish between duplicate reference numbers.

**Notes:**

**REQUIRED**

A separate RMR loop is required for each Customer ID or Invoice remittance is being reported on

RMR~IK~123455~PO~1000.00 (using Invoice ID in RMR02)

RMR~12~6789012345~PO~-1000.00 (using Customer Account ID in RMR02)

**Data Element Summary**

	<b>Ref. Des.</b>	<b>Data Element</b>	<b>Name</b>	<b>Attributes</b>
<b>Must Use</b>	<b>RMR01</b>	<b>128</b>	<b>Reference Identification Qualifier</b> Code qualifying the Reference Identification 12 Billing Account Account number under which billing is rendered Account number assigned by Distribution or Billing Company IK Invoice Number Invoice ID from the BIG02 of the 810 Invoice	<b>M ID 2/3</b>
<b>Must Use</b>	<b>RMR02</b>	<b>127</b>	<b>Reference Identification</b> Reference information as defined for a particular Transaction Set or as specified by the Reference Identification Qualifier	<b>M AN 1/30</b>
<b>Must Use</b>	<b>RMR03</b>	<b>482</b>	<b>Payment Action Code</b> Code specifying the accounts receivable open item(s), if any, to be included in the cash application. AJ Adjustment PO Payment on Account	<b>M ID 2/2</b>
<b>Must Use</b>	<b>RMR04</b>	<b>782</b>	<b>Net Amount Paid</b> Monetary amount Payment amount - the sum of all Detail Position 150 RMR04 elements and RMR08 elements must equal the amount in Header Position 020 BPR02. Please see the Notes section in the BPR Segment for instructions on how to handle a negative remittance.	<b>M R 1/18</b>
<b>Used</b>	<b>RMR07</b>	<b>426</b>	<b>Adjustment Reason Code</b> Code indicating reason for debit or credit memo or adjustment to invoice, debit	<b>O ID 2/2</b>

or credit memo, or payment  
26 Invoice Cancelled  
72 Authorized Return  
CS Adjustment  
IF Insufficient Funds

**Used RMR08 782 Adjustment Amount O R 1/18**

Monetary amount

Signed if negative. The adjustment amount is only populated if RMR03=AJ.

**Segment:** **NTE** Payment Notes (NTE~GEN)  
**Position:** 160  
**Loop:** RMR Mandatory  
**Level:** Detail  
**Usage:** Optional  
**Max Use:** >1  
**Purpose:** To transmit information in a free-form format, if necessary, for comment or special instruction

**Syntax Notes:**

**Semantic Notes:**

**Comments:** 1 The NTE segment permits free-form information/data which, under ANSI X12 standard implementations, is not machine processable. The use of the NTE segment should therefore be avoided, if at all possible, in an automated environment.

**Notes:** OPTIONAL  
 Used to provide more details regarding Customer Payment.  
 NTE~GEN~CUSTOMER MAKING PAYMENT

**Data Element Summary**

	<u>Ref. Des.</u>	<u>Data Element</u>	<u>Name</u>	<u>Attributes</u>
Must Use	NTE01	363	Note Reference Code Code identifying the functional area or purpose for which the note applies GEN Entire Transaction Set	M ID 3/3
Must Use	NTE02	352	Description A free-form description to clarify the related data elements and their content	M AN 1/80

**Segment:** **REF** Customer Reference Nr (REF~CR)  
**Position:** 170  
**Loop:** RMR Mandatory  
**Level:** Detail  
**Usage:** Conditional  
**Max Use:** 1  
**Purpose:** To specify identifying information  
**Syntax Notes:** 1 At least one of REF02 or REF03 is required.  
 2 If either C04003 or C04004 is present, then the other is required.  
 3 If either C04005 or C04006 is present, then the other is required.  
**Semantic Notes:** 1 REF04 contains data relating to the value cited in REF02.  
**Comments:**  
**Notes:**

OPTIONAL  
 other Customer Payment identifying information  
 REF~CR~REFERENCE123

**Data Element Summary**

	<u>Ref. Des.</u>	<u>Data Element</u>	<u>Name</u>	<u>Attributes</u>
Must Use	REF01	128	Reference Identification Qualifier Code qualifying the Reference Identification CR Customer Reference Number	M ID 2/3
Must Use	REF02	127	Reference Identification Reference information as defined for a particular Transaction Set or as specified by the Reference Identification Qualifier Used for additional Customer Payment Reference Information	M AN 1/30

**Segment:** **REF** Customer Account ID (REF~12/Q5)  
**Position:** 170  
**Loop:** RMR Mandatory  
**Level:** Detail  
**Usage:** Mandatory  
**Max Use:** 1  
**Purpose:** To specify identifying information  
**Syntax Notes:** 1 At least one of REF02 or REF03 is required.  
 2 If either C04003 or C04004 is present, then the other is required.  
 3 If either C04005 or C04006 is present, then the other is required.  
**Semantic Notes:** 1 REF04 contains data relating to the value cited in REF02.  
**Comments:**  
**Notes:**

**REQUIRED**  
 Distribution Company ID that identifies the Customer. In a deregulated marketplace, governing documents define whether REF~12 or REF~Q5 is required.

- REF~12 uses REF02 for Distribution Company Account Number  
 - REF~Q5 uses REF03 for Service Delivery ID (ERCOT)

REF~12~1234567890  
 REF~Q5~~10111111234567890ABCDEFGHIJKLMNOPS

**Data Element Summary**

	<u>Ref. Des.</u>	<u>Data Element</u>	<u>Name</u>	<u>Attributes</u>
Must Use	REF01	128	<b>Reference Identification Qualifier</b> Code qualifying the Reference Identification 12 Billing Account Account number under which billing is rendered Account number assigned by the Distribution Company Q5 Property Control Number Service Delivery ID	M ID 2/3
Must Use	REF02	127	<b>Reference Identification</b> Reference information as defined for a particular Transaction Set or as specified by the Reference Identification Qualifier REF01 = 12: Distribution Company Account Number REF01 = Q5: Not Used	M AN 1/30
Must Use	REF03	352	<b>Description</b> A free-form description to clarify the related data elements and their content REF01 = 12: Not Used REF01 = Q5: Service Delivery ID	O AN 1/80

**Segment:** **REF** **Supplier Account Number (REF~11)**  
**Position:** 170  
**Loop:** RMR Mandatory  
**Level:** Detail  
**Usage:** Mandatory  
**Max Use:** 1  
**Purpose:** To specify identifying information  
**Syntax Notes:**

- 1 At least one of REF02 or REF03 is required.
- 2 If either C04003 or C04004 is present, then the other is required.
- 3 If either C04005 or C04006 is present, then the other is required.

**Semantic Notes:**

- 1 REF04 contains data relating to the value cited in REF02.

**Comments:**  
**Notes:** REQUIRED if available and supplier charges are on the bill.  
REF~11~3940193248

**Data Element Summary**

	<u>Ref. Des.</u>	<u>Data Element</u>	<u>Name</u>	<u>Attributes</u>
Must Use	REF01	128	Reference Identification Qualifier Code qualifying the Reference Identification 11 Account Number Number identifies a telecommunications industry account Customers Account number assigned by the Supplier	M ID 2/3
Must Use	REF02	127	Reference Identification Reference information as defined for a particular Transaction Set or as specified by the Reference Identification Qualifier Supplier Account Number	M AN 1/30

**Segment:** **REF** Commodity Service Type (REF~QY)  
**Position:** 170  
**Loop:** RMR Mandatory  
**Level:** Detail  
**Usage:** Mandatory  
**Max Use:** 1  
**Purpose:** To specify identifying information  
**Syntax Notes:** 1 At least one of REF02 or REF03 is required.  
 2 If either C04003 or C04004 is present, then the other is required.  
 3 If either C04005 or C04006 is present, then the other is required.  
**Semantic Notes:** 1 REF04 contains data relating to the value cited in REF02.  
**Comments:**  
**Notes:**

OPTIONAL  
 Identifies type of commodity service (electric or natural gas)  
 REF~QY~ELECTRIC

**Data Element Summary**

	<u>Ref. Des.</u>	<u>Data Element</u>	<u>Name</u>	<u>Attributes</u>
Must Use	REF01	128	Reference Identification Qualifier Code qualifying the Reference Identification QY Service Performed Code Number indicating the type of service performed to repair a product	M ID 2/3
Must Use	REF02	127	Reference Identification Reference information as defined for a particular Transaction Set or as specified by the Reference Identification Qualifier ELECTRIC Electric Commodity Service GAS Natural Gas Commodity Service	M AN 1/30

**Segment:** **DTM Invoice Date (DTM~003)**  
**Position:** 180  
**Loop:** RMR Mandatory  
**Level:** Detail  
**Usage:** Optional  
**Max Use:** 1  
**Purpose:** To specify pertinent dates and times  
**Syntax Notes:**

- 1 At least one of DTM02 DTM03 or DTM05 is required.
- 2 If DTM04 is present, then DTM03 is required.
- 3 If either DTM05 or DTM06 is present, then the other is required.

**Semantic Notes:**

**Comments:**

**Notes:**

OPTIONAL  
DTM~003~20091111

**Data Element Summary**

	<u>Ref.</u>	<u>Data</u>	<u>Attributes</u>
	<u>Des.</u>	<u>Element</u> <u>Name</u>	
Must Use	DTM01	374 Date/Time Qualifier Code specifying type of date or time, or both date and time 003 Invoice Invoice Date	M ID 3/3
Must Use	DTM02	373 Date Date expressed as CCYYMMDD	M DT 8/8

**Segment:** **SE** Transaction Set Trailer  
**Position:** 010  
**Loop:**  
**Level:** Summary  
**Usage:** Mandatory  
**Max Use:** 1  
**Purpose:** To indicate the end of the transaction set and provide the count of the transmitted segments (including the beginning (ST) and ending (SE) segments)

**Syntax Notes:**

**Semantic Notes:**

**Comments:** 1 SE is the last segment of each transaction set.

**Notes:**

REQUIRED

SE~28~00000001

**Data Element Summary**

	<u>Ref. Des.</u>	<u>Data Element</u>	<u>Name</u>	<u>Attributes</u>
Must Use	SE01	96	Number of Included Segments Total number of segments included in a transaction set including ST and SE segments	M N0 1/10
Must Use	SE02	329	Transaction Set Control Number Identifying control number that must be unique within the transaction set functional group assigned by the originator for a transaction set	M AN 4/9



## North American Energy Standards Board

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**January 25, 2010**

**Via email and posting**

**TO:** NAESB Executive Committee (EC) Members  
**Submitters:** Valerie Crocket, Bob Harshbarger, Micki Schmitz, Keith Sappenfield, Mike Schisler  
**Subcommittee Chairs for notification:** Valerie Crockett, Richard Smith, Kim Van Pelt, Steve Abbey  
(WGQ BPS), Marcie Otondo, Paul Sorenson, J.T. Wood (WEQ OASIS), Keith Sappenfield (WGQ Contracts)  
**FROM:** NAESB Office  
**cc:** EC Alternates  
**RE:** NAESB Triage Actions Taken for R09014 to R09019

---

Dear Triage Subcommittee and EC members,

Several requests were sent out for review and determination of disposition on October 15, 2009 – R09014 to R09019 -- all provided below as hyperlinks. There were no requests for conference call for discussion. A submitter modified her request for R09016, for which the modifications were made and redistributed for consideration. The requests were triaged as follows:

For [R09014](#), submitted by [Valerie Crockett](#) on behalf of Tennessee Valley Authority:

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 create a section/heading under Informational Postings called Regulatory to include all filings made to the FERC, 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 [R09015](#), submitted by [Robert Harshbarger](#) on behalf of Puget Sound Energy:

This request is (1) found within scope; (2) to be assigned to the Wholesale Electric Quadrant (WEQ); and (3) because it is a request to create a new OASIS mechanism that allows for the merger of like reservations without the use of the resale mechanism, the request should be assigned to the WEQ OASIS Subcommittee (OASIS). 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 OASIS.

For [R09016](#), submitted by [Micki Schmitz](#) on behalf of Northern Natural Gas:

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 Rate Schedule data element to the Bid Upload and Bid Download datasets, 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 [R09017](#), submitted by [Keith Sappenfield](#) on behalf of the WGQ Contracts Subcommittee:

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 develop a new ISDA Gas Confirmation Form for use with the ISDA Gas Annex based on the current Confirmation Form under the NAESB Base Contract for Sale and Purchase of Natural Gas, the request should be assigned to the WGQ Contracts Subcommittee. 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 Contracts Subcommittee.

For [R09018](#), submitted by [Mike Schisler](#) on behalf of NGPL:

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 new MA data element to the Nominations dataset for Model "T" called "Path Rank", the request should be assigned to the WGQ BPS. There was nothing in the request indicating



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that it should be assigned a high priority, therefore, it should be addressed in the normal course of business of the WGQ BPS.

For [R09019](#), submitted by [Mike Schisler](#) on behalf of NGPL:

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 create two additional Allocation Transaction Type codes to improve the reporting of Pathed Non-Threaded levels of detail in the Allocation Statement, 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 above. The noted dispositions for the requests and the requests themselves were forwarded to the Triage Subcommittee and the EC members on October 15, 2009. There were no dissenting comments received. As such, the requests are considered in scope and assigned to the indicated subcommittees for development. Please note that this communication serves as notice to the subcommittee chairs of the subcommittees to which the requests are assigned.



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**January 25, 2010**  
**Via email and posting**

**TO:** NAESB Executive Committee (EC) Members  
**FROM:** NAESB Office  
**cc:** EC Alternates  
**RE:** NAESB Triage Actions Pending for R09020 to R09025

---

Dear Triage Subcommittee and EC members,

We have several requests to triage – R09020 – R09025 -- all provided below as hyperlinks. The NAESB office recommends the following actions:

For [R09020](#), submitted by [Paul Love](#) on behalf of Natural Gas Pipeline Company of America, LLC:

This request was submitted to add additional charge type and service requester level charge/allowance amount descriptor code values to NAESB WGQ Standard 3.4.. As such it has been forwarded to the Information Requirements Subcommittee leadership and has been reassigned as a minor correction, MC10004 to be addressed by the WGQ.

For [R09021](#), submitted by [Paul Love](#) on behalf of Gas Pipeline Company of America, LLC:

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 Sender's Optional (S/O) data element to NAESB WGQ Standard No. 3.4.1-Transportation/Sales Invoice, Miscellaneous Notes, which would contain textual information associated with an invoice Line Number, 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 [R09022](#), submitted by [Paul Love](#) on behalf of Gas Pipeline Company of America, LLC

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 change the Change Charge Type conditionality in NAESB WGQ Standard 3.4.1 Transportation/Sales Invoice from Mutually Agreeable (MA) to Sender's Option (SO), 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 [R09023](#) and [attachment](#), submitted by [Barbara Rehman](#) on behalf of Bonneville Power Administration:

This request is (1) found within scope; (2) to be assigned to the Wholesale Electric Quadrant (WEQ); and (3) because it is a request to revise WEQ 001-21 language to accommodate the Transmission Provider's right to extend the performance of a Biennial Reassessment, the request should be assigned to the WEQ OASIS Subcommittee. The submitter has requested that the request be assigned a high priority, to be addressed as an urgent action by the WEQ OASIS Subcommittee.

For [R09024](#) and [attachment](#), submitted by [Barbara Rehman](#) on behalf of Bonneville Power Administration:

This request is (1) found within scope; (2) to be assigned to the Wholesale Electric Quadrant (WEQ); and (3) because it is a request to revise WEQ 001-14.1.3 and 001-15.1.2 to accommodate more timely ATC Narrative postings on OASIS, the request should be assigned to the WEQ OASIS Subcommittee. The submitter has requested that the request be assigned a high priority, to be addressed as an urgent action by the WEQ OASIS Subcommittee.

For [R09025](#), submitted by [Jim Buccigross](#) on behalf of 8760 Inc.:

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 new business practice to the Electronic Delivery Mechanisms (EDM) standards, the request should be assigned jointly to the WGQ Business Practices Subcommittee (BPS) and



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EDM Subcommittee 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 and WGQ EDM Subcommittees.

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 February 15, 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.



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**NORTH AMERICAN ENERGY STANDARDS BOARD  
2010 ANNUAL PLAN for the RETAIL GAS and ELECTRIC QUADRANTS  
As Approved by the NAESB Board of Directors on December 10, 2009**

Item Number & Description <sup>1</sup>	Completion <sup>2</sup>	Assignment <sup>34</sup>
1. Develop Technical Electronic Implementation Standards and Data Dictionaries – Book 10: Customer Enrollment, Drop and Account Information Change (Non Texas Model)		
a.. For the Non-Texas Registration Agent Model Status: Not Started for non-Texas Registration Agent	4 <sup>th</sup> Q, 2010	TEIS
2. 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.	2 <sup>nd</sup> Q, 2010	Ad Hoc EC Certification Group
3. 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. The wholesale and retail demand response work groups and the Smart Grid task force should actively and timely communicate and coordinate work products to ensure consistency between the three work groups. Each work group should take into account the work products developed by the other.		Joint WEQ/REQ DSM Subcommittee
a. Develop glossary for business practice standards Status: Ongoing	Ongoing	Joint WEQ/REQ DSM Subcommittee
b. Develop business practice standards used to measure and verify reductions in energy and demand from energy efficiency in wholesale and retail markets. <sup>5</sup> This includes developing 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: Underway (An estimated completion date will be established in 1 <sup>st</sup> Q, 2010 after the new subcommittee has been formalized)	2010	Joint WEQ/REQ DSM-EE Subcommittee
c. Support the second phase of retail development of model business practice standards for demand response programs Status: Not started (noted as provisional in WEQ 2010 AP)	2010	REQ Section of the Joint WEQ/REQ DSM Subcommittee
4. Billing and Payments		
a. Develop Process Flows to be included as models in book 3 – billing and payments Status: Underway	2 <sup>nd</sup> Q, 2010	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	2 <sup>nd</sup> Q, 2010	BPS



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**NORTH AMERICAN ENERGY STANDARDS BOARD  
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As Approved by the NAESB Board of Directors on December 10, 2009**

Item Number & Description <sup>1</sup>	Completion <sup>2</sup>	Assignment <sup>34</sup>
5. 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: Started	3 <sup>rd</sup> Q, 2010	BPS
6. Additional Registration Agent Processes		
a. Review all existing Model Business Practices to determine if the Customer Information process is already covered, and if necessary develop any new Model Business Practices required Status: Underway	1 <sup>st</sup> Q, 2010	BPS
b. 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		
i. Create MBPs for disconnection/reconnection initiated by the supplier Status: Underway	4 <sup>th</sup> Q, 2009	BPS
ii. Create MBPs for disconnection/reconnection initiated by the distribution company Status: Underway	2 <sup>nd</sup> Q, 2010	BPS
7. 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, 2010	BPS
8. 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, 2010	BPS
9. Develop Smart Grid Wholesale and Retail Electric Standards		
a. Develop Requirements and Use Cases for PAP 03 – Pricing Model	1 <sup>st</sup> Q, 2010	Joint WEQ/REQ SGS Task Force
b. Develop Requirements and Use Cases for PAP 04 – Scheduling Model	1 <sup>st</sup> Q, 2010	Joint WEQ/REQ SGS Task Force



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**NORTH AMERICAN ENERGY STANDARDS BOARD  
2010 ANNUAL PLAN for the RETAIL GAS and ELECTRIC QUADRANTS  
As Approved by the NAESB Board of Directors on December 10, 2009**

Item Number & Description <sup>1</sup>	Completion <sup>2</sup>	Assignment <sup>34</sup>
c. Develop Requirements and Use Cases for PAP 09 – Demand Response/Distributed Energy Resources	1 <sup>st</sup> Q, 2010	Joint WEQ/REQ SGS Task Force
d. Act as a convener (develop and implement a plan to expedite harmonized standards development and adoption within the associated standards bodies) and develop business practice standards as needed and assigned to NAESB for PAP 10 – Standard Energy Usage Information Status: Not Started	2010	Joint WEQ/REQ SGS Task Force
10. Additional Registration Agent Model Processes		
a. Review all existing Model Business Practices to determine if there are other Registration Agent Model processes not covered, and develop a prioritized list of those processes, if any.	3 <sup>rd</sup> Q, 2010	BPS
b. Develop Model Business Practices and Process Flows for those Registration Agent Model processes on the prioritized list developed in (a) above, if any.	4 <sup>th</sup> Q, 2010	BPS
c. Develop Technical Electronic Implementation Standards and Data Dictionaries to support Model Business Practices of Book 14 – Service Requests, Disconnections and Reconnections in the registration Agent Model	2 <sup>nd</sup> Q, 2010	IR/TEIS
d. Develop Technical Electronic Implementation Standards and Data Dictionaries to support any Model Business Practices developed in (b) above	4 <sup>th</sup> Q, 2010	IR/TEIS
11. Master List of Defined Terms: Review the definitions of all Defined Terms in Book 0 – Master List of Defined Terms, including other Ratified Terms not yet published, and revise the definitions of all Defined Terms not specifically related solely to the competitive marketplace to broaden their applicability to conform to NAESB’s expanded scope.	2 <sup>nd</sup> Q, 2010	Glossary

**Program of Standards Maintenance & Fully Staffed Standards Work<sup>6</sup>**

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).



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2010 ANNUAL PLAN for the RETAIL GAS and ELECTRIC QUADRANTS  
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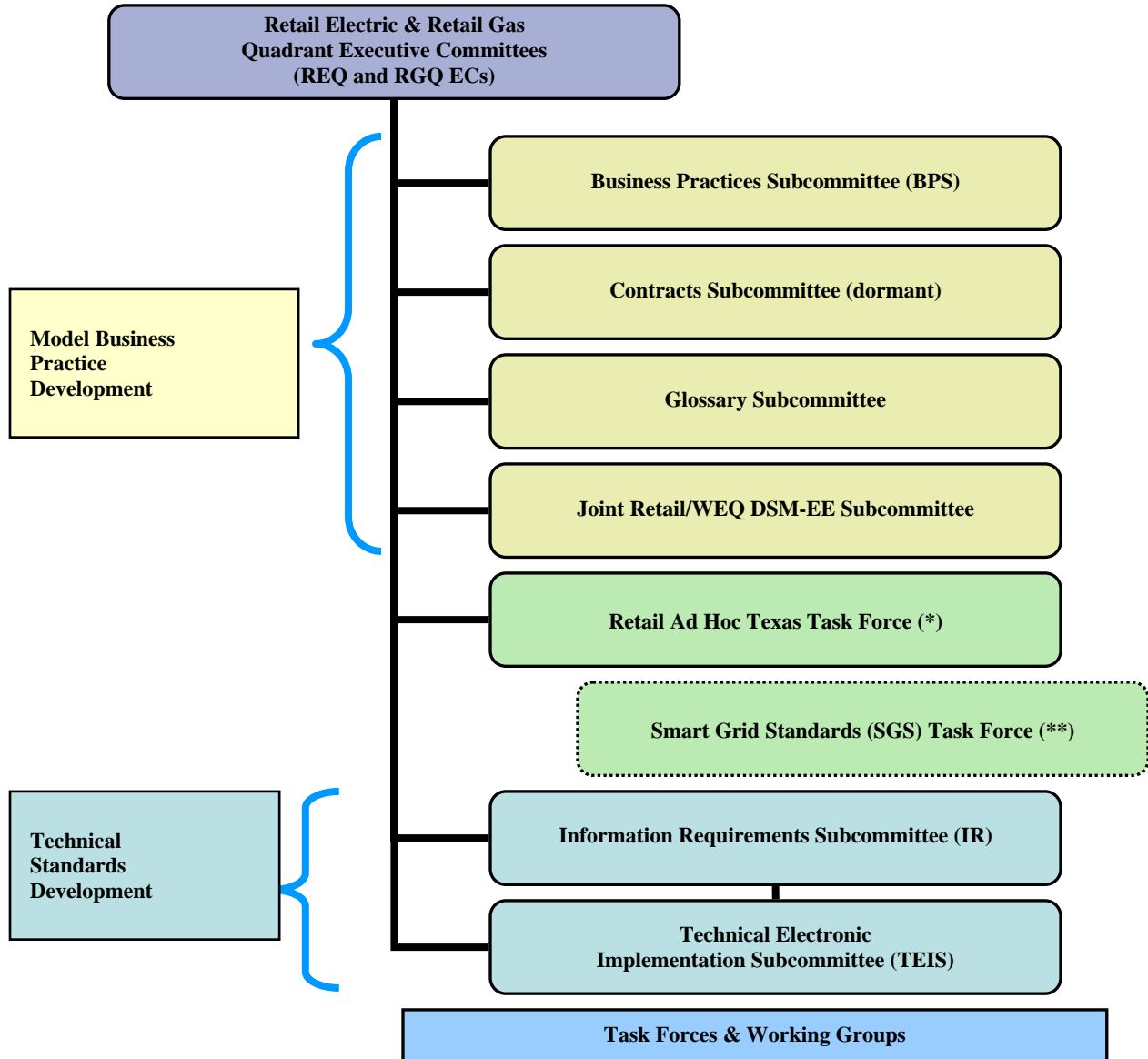
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<b>Item Number &amp; Description<sup>1</sup></b>	<b>Completion<sup>2</sup></b>	<b>Assignment<sup>34</sup></b>
Review existing body of model business practices for consistency and develop or modify model business practices as needed.		
<b>Retail Electric Quadrant Effort Only:</b>		
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.		
Develop business practice standards for cap and trade programs for green house gas (See action item 6h).		
<b>Retail Gas Quadrant Effort Only:</b>		
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.		



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**NAESB Retail Subcommittee Leadership:** <sup>7</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) 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. The group is chaired by Debbie McKeever and Susan Munson.

(\*\*) The Smart Grid Task Force is a joint group of the retail electric and wholesale electric quadrants with other standards development groups such as OASIS, CalConnect, FIX and UCAIug, and includes other groups. Direction may be given from NIST, DoE or FERC and the group reports to the NAESB Board Smart Grid Strategic Steering Committee. The group is chaired by Brent Hodges, Wayne Longcore, Joe Zhou and Robert Burke.



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### Retail 2010 Annual Plan End Notes:

<sup>1</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>2</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>3</sup> The assignments are abbreviated. The abbreviations and committee structure can be found at the end of the annual plan document.

<sup>4</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>5</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.

<sup>6</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>7</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.



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December 10, 2009

**TO:** NAESB Board of Directors, Executive Committee (EC) Members, EC Alternates, and Invited Guests  
**FROM:** Cory Galik Cummings, NAESB Staff Attorney  
**RE:** Draft Minutes of the NAESB Board Meeting – December 10, 2009

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**NAESB BOARD OF DIRECTORS MEETING**  
**Marriott IAH Airport Hotel, Houston, Texas**  
**Thursday, December 10, 2009 – 9:00 a.m. to 1:00 pm Central**  
**DRAFT MINUTES**

### 1. Administration and Welcome

Ms. Crockett welcomed the Board members and guests in the room and on the phone. Mr. Boswell read the antitrust guidelines. Ms. Cummings called the roll of the NAESB Board members. Quorum was established.

### 2. Adoption of the Agenda and Minutes

The Board members reviewed the draft agenda. Agenda item 6 – Special Report from NIST on Cybersecurity Standards and the Smart Grid was moved after agenda item 9 – 2010 Executive Committee Reports. Mr. Hossain moved to adopt the agenda as revised and Mr. Oberski seconded the motion. The motion passed without objection. Next, the draft minutes from the September 24 board meeting were reviewed. Mr. Hossain moved, seconded by Mr. Lucas to adopt the minutes as drafted.

### 3. Membership and Financial Report

Membership Report: Ms. McQuade reviewed the [membership report](#). NAESB continues to lose memberships, with the majority of the losses in the WEQ and WGQ quadrants. The creation of a new WEQ segment in January should increase membership as more companies become involved in NAESB's smart grid activities. As reported previously, 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 cited as due to the increase in dues.

Financial Report: Ms. Wishart provided an account of the [financial report](#) and [financial chart](#). The meeting statistics show the number of meetings held by conference call, in person and the number of hours allocated for these meetings for 2009. The report also lists the number of products sold, a month-by-month accounting of membership, and membership changes by segments and quadrants. In reviewing the balance sheet, it shows an increase in expenses which are directly related to the increase in the number of meetings held, particularly related to smart grid, but the increase in expenses is offset by the increase in revenues collected resulting from the dues increases, sales of work products and revenues from courses.

### 4. Presentation of 2010 Budget Proposal for Vote for Adoption

Budget Proposal for 2010: Ms. McQuade reviewed the [2010 budget proposal](#). It describes the proposal in terms of the 2009 year end estimate and is based on the September 2009 actuals. The budget assumes an increase in membership as a result of the new WEQ quadrant and the addition of one new staff member in 2010 to ensure the NAESB office can provide adequate meeting coverage. The NAESB office anticipates moving to another building in April 2010, which will either reduce the lease cost or delete the increase in lease cost projected by Griffin Partners should we stay in our current building. Travel and meeting expenses will decrease slightly with more reliance on conference calling to support the industry's travel limitations. The Managing Committee met on November 30, 2009 to review this budget and an alternative budget. Mr. Morris moved, seconded by Mr. Gent to approve the budget. The motion unanimously passed a simple majority vote.



## North American Energy Standards Board

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### 5. Reports from Board Committees

**Resources:** Mr. Brown provided the [report](#). He called for more participation at the Board Resources meetings, noting that only a few board members are actively involved. Five new members have joined NAESB since the September Board meeting but 15 members were lost. Many of those losses were due to companies consolidating multiple memberships. Some companies withdrew their membership completely, including one that contained a board member. The Board Resources Committee has a list of short term prospects that have received membership packets, including companies involved in demand side management (DSM), smart grid, wind and solar projects. He asked board members to get involved in outreach to these companies. Mr. Brown will work with Ms. McQuade to create a list of top candidates for membership for board members to contact. The WEQ has several board openings; Ms. McQuade, Mr. Desselle and Mr. Brown will meet to identify people in the fill those board positions. There are also a number of openings in the retail quadrants. Mr. Novak has been working with Ms. Rager to identify potential members for the retail seats.

**WEQ Segment Restructuring:** Ms. McQuade provided the update on the [WEQ segment restructuring](#) and the addition of a technology/services segment. The WEQ Board approved moving forward with the new segment. The new segment will allow technology companies to work with NAESB on the current smart grid activities. Members in the end user and transmission segment that provide technical services are also eligible to move to the new segment. The seats that have become “at large” will return to their original subsegment at the expiration of the term in an effort to preserve the intended balance in the quadrant.

**Retail Membership Update:** Mr. Minneman provided the update. The retail quadrants restructured in the third quarter of 2009. Under the new structure the quadrants are divided into three segments; 1) the Suppliers/Services Providers segment, 2) the Utilities segment, and 3) the End Users/Public Agencies segment. The number of Board members and Executive Committee seats in both quadrants was set at four per segment. Both retail quadrants are still below the minimum number of required members as set in the bylaws and there will be a board level review of the quadrants in 2010. New members are anticipated with the retail Demand Side Management and Energy Efficiency (DSM-EE) and smart grid efforts.

**Managing Committee Update:** Ms. McQuade provided the update. The Managing Committee met via conference call to review the options for the 2010 budget and unanimously approved the budget that was approved by the board earlier in the meeting. The notes for that meeting can be found at the following link: <http://www.naesb.org/pdf4/managing113009notes.doc>.

### 6. Special Report from NIST on Cybersecurity Standards and the Smart Grid

Ms. Lee from NIST provided a [power point presentation](#) for her report on the Cybersecurity Coordination Task Force. She reviewed President Obama’s Cyberspace Policy and noted the quick pace for the program. The Smart Grid Cybersecurity Strategy group has over 270 volunteer participants that have been meeting via weekly teleconference since March of this year. The group has divided into several working groups, all of which have a Twiki site to keep all participants up to date with the working group activities. She encouraged any interested participants to contact her. The strategy of the group is to select use cases with cyber security considerations, perform risk assessments of the Smart Grid development of security architecture linked to the Smart Grid interface diagrams, and identify cyber security requirements and risk mitigation measures to provide adequate protection. The goal of the group is create recommended cyber security requirements. NIST is not a regulatory body and cannot mandate its work. There is a time limit on their work due to the Energy Independence and Security Act that mandates NIST’s smart grid efforts.

### 7. Updates on Specific Efforts

**Publications:** Ms. McQuade provided an update for all the quadrant publications. Ms. Rager is completing the [Retail Version 1.2](#) and it will be published by the end of the year. The WEQ has scheduled the [Version 2.2](#) publication for first quarter of 2010 to accommodate FERC Order No. 890. The [WGQ Version 2.0](#) will be published in late 2010 after the quadrant voted to change to an annual publication schedule.



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WEQ, Update on FERC Order No. 890 efforts: Ms York provided an [update on recent Order 890 efforts](#). She noted that the WEQ OASIS subcommittee has been working hard to complete the standards related to FERC Order No. 890. They anticipate completion of the work related to Network Integration Transmission Services (NITS) by the end of the year with a draft of the standards out for comment in the first quarter of 2010. The next item to be addressed will be transmission across multiple transmission services.

WEQ/Retail Electric, Update on Demand Response and Demand Side Management: Mr. True provided the [update on the DSM efforts](#). FERC released its Notice of Proposed Rulemaking (NOPR) on the WEQ Demand Response (DR) standards in September. Since the last board meeting the WEQ DR work group has met four times to address the second phase of DR standards development. In October the WEQ EC created a task force to provide direction to the work group on its phase II efforts. This task force met six times and made the following recommendations to the EC; 1) direct the subcommittee to review the business practices for measurement and verification (M&V) of wholesale electricity demand response (the Phase I standards) and identify standards that could be enhanced; and 2) investigate and develop additional information specific to performance evaluation type and associated service type. The two co-chairs of the work group resigned due to other commitments and to be able to better advocate in the meetings. Mr. True volunteered to chair the work group in the interim.

WEQ/Retail Electric, Smart Grid Update: Mr. Booe provided the update for these efforts. Since the last board meeting the smart grid task force has worked hard to complete the responsibilities assigned to them; 1) [Priority Action Plan 03](#) – The Development of a Common Price Communication Model; 2) [Priority Action Plan 04](#) – The Development of a Common Scheduling Mechanism; and 3) [Priority Action Plan 09](#) – The Development of Standard Demand Response Signals. The task force and task force work group have held 14 conference calls and held one 3 day face-to-face meeting to develop the work products requested by NIST. In response to Priority Action Plan 09 The Task Force has created three documents; 1) A Framework Document for Integrated Demand Response and Distributed Energy Resource Models – which describes at a high level the various transactions related to demand response and DER events); 2) A set of Wholesale Market Use Cases – which for the most part were contributed by the ISO-RTO members and are being expanded by the Task Force; and 3) A set of Retail Market Use Cases. In response to Priority Action Plan 03 the task force created a set of use cases for price communication transactions and also a requirements document in response to Action Plan 04. These five documents were posted for an informal comment period on November 17, 2009 and presented at the Grid Interop meeting in Denver that same week. The task force received a number of comments and is reviewing them to further develop the posted documents. The task force tentatively scheduled to vote these Phase 1 documents out of the subcommittee for the 30 day formal comment period in mid-January. The goal is to have these documents ratified by the membership and filed with NIST and FERC by the end of March or early April, although that timeline may be extended. NAESB was informed this week that it has been assigned some responsibilities related to [Priority Action Plan 10 – Standard Energy Usage Information](#). Mr. Lucas asked what board members could do to help with the smart grid activities. Members were encouraged to look to see which technical experts in their companies could help develop use cases. There is some concern with the process NIST is using to develop standards and with transparency for the way in which the standards are adopted. It was asked if the board could sponsor an outreach to NIST to have NAESB provide input on the process to create standards that have industry consensus and transparency. Mr. Boswell noted that this issue was discussed and NAESB plans to name a board committee to coordinate this effort. It is critical that participants believe in the process and that the needs of the stakeholders are met.

### **8. 2009 Executive Committee Reports**

Mr. Buccigross reviewed the [2009 WGQ Annual Plan](#) and noted the items that were completed. Mr. Novak reviewed the [2009 Retail Annual Plan](#) and noted the items that would be carried over to the 2010 plan. Ms. York reviewed the [2009 WEQ Annual Plan](#). The motion to approve all three annual plans was made by Mr. Hurley and seconded by Mr. Oberski. The motion unanimously passed a simple majority vote.

### **9. 2010 Executive Committee Reports**

Mr. Buccigross reviewed the 2010 WGQ Annual Plan; Mr. Novak reviewed the 2010 Retail Annual Plan; and Ms. York provided the review for the 2010 WEQ Annual Plan.



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In discussion on the WEQ 2010 plan, Mr. Phillips asked how item 4(e) was added to the WEQ Annual Plan. Ms. McQuade answered that Mr. Breidenbaugh, a board member, asked that it be included when the plans were sent out for comment with requests for additions. Mr. Breidenbaugh noted that the item was developed from discussion on FERC's strategy for the next five years and discussion on scope for the DSM-EE subcommittee. If this is an item the FERC would like to see addressed he thought it best to allow the industry to have an opportunity to develop it. Mr. Phillips stated that Midwest ISO and the other ISOs have not had an opportunity to discuss the issue but he believed that it infringed upon market design activities, which is a function of the FERC. He noted that the EC did not approve this annual plan item. Mr. Boswell noted that it was not a requirement for the EC to approve the annual plan, as that was the responsibility of the board. Mr. Phillips stated he valued the EC's input and noted that it was important to know which annual plan items had been discussed by the EC and which had been submitted by individual board members. Mr. Breidenbaugh moved to approve all three annual plans and Mr. Ellsworth seconded the motion. In discussing the motion, Mr. Phillips asked that item 4(e) be removed from the WEQ Annual Plan. Mr. Breidenbaugh did not agree with the amendment to the motion. Mr. True asked, in the interest of better understanding the item, to move the annual plan item in question to the provisional items section. Mr. Novak agreed and suggested that the item be revisited at the March board meeting to allow participants time to review the item before voting on it. Mr. Breidenbaugh and Mr. Ellsworth agreed with Mr. Novak's suggestion. Mr. Phillips stated that he would prefer striking the item altogether from the plan. Ms. McQuade noted that Mr. Phillips' concern goes to the heart of discussions on standards and program design, and whether or not this item should be considered for development by NAESB. She recommended that board determine how to best resolve whether to add the item as it may become an issue for future smart grid and DR work. Mr. Desselle asked Mr. Breidenbaugh and Mr. Ellsworth to accept a modification to the motion to approve the annual plan without this particular item and to discuss it at the March board meeting. Mr. Breidenbaugh and Mr. Ellsworth agreed. This item will be placed on the agenda for the March 2010 NAESB Board of Directors meeting.

### 10. Plan for March 2010 Board Meeting

Ms. McQuade noted that the March 25, 2010 board meeting will be held in Houston, Texas. Ms. Crockett asked Board and EC members to fly in the day before the meeting to attend the leadership meetings as they allow leadership an opportunity to discuss quadrant issues in greater detail than can be addressed during the board meeting. The 2010 Board meeting schedule can be found at the following link:  
[http://www.naesb.org/misc/2010\\_schedule.doc](http://www.naesb.org/misc/2010_schedule.doc).

### 11. Old and New Business

Ms. McQuade noted that eleven different filings have been made by the NAESB office. See the government activities page for more information on regulatory actions that may have an impact on NAESB:  
<http://www.naesb.org/Noprs.asp>

### 12. Adjourn

Mr. Hurley moved to adjourn the meeting, seconded by Mr. Hossain. The meeting adjourned at 11:54 a.m. Central on December 10, 2009.

### 13. 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.	Phone
Marty Patterson	Vice President – Commercial Operations, Foothills Energy Ventures LLC	
Pete Frost	Director - Regulatory Affairs, ConocoPhillips Gas and Power Marketing	
<b>WGQ PIPELINE SEGMENT</b>		
Cathie Legge	Manager – Customer Service, Alliance Pipeline LP	In Person
Bill Grygar	Vice President, Panhandle Eastern Pipe Line	In Person



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		ATTENDANCE
Susanna B. Barry	Vice President – Commercial Operations, Tennessee Gas Pipeline Company	In Person
Machelle Grim	Director – Regulatory Affairs ConocoPhillips Gas and Power Marketing	Phone
Richard Kruse	Senior Vice President, Spectra Energy Transmission	
<b>WGQ LOCAL DISTRIBUTION COMPANY (LDC) SEGMENT</b>		
Craig Colombo	Energy Trader III, Dominion Resources	Phone
Adrian Chapman	Vice President, Regulatory Affairs & Energy Acquisition, Washington Gas	Phone
Carlos Thillet	Manager, Gas Supply & Transportation, PECO Energy Co.	
Mike Novak	Asst. General Manager, National Fuel Gas Distribution Corporation	In Person
Lee Stewart	Senior Vice President, Gas Transmission, Southern California Gas Company	
<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	
Tina Burnett	Natural Gas Resources Administrator, The Boeing Co.	
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	
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 SERVICE PROVIDERS/SUPPLIERS SEGMENT</b>		
Robert K. Koger	President, North Carolina Advanced Energy Corporation	
Jim Minneman	Controller, PPL Solutions LLC	Phone
J Cade Burks	President, EC Power	
Austin Morris	Managing Partner – Energy, Sungard Consulting Services, LLC	
<b>REQ UTILITIES 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	
Debbie McKeever	Market Advocate, Oncor	In Person
<b>REQ END USERS/PUBLIC AGENCIES SEGMENT</b>		
Sonny Popowsky	Consumer Advocate, Pennsylvania Office of Consumer Advocate	
James P. Cargas	Senior Assistant City Attorney, City of Houston	
<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
Edward J. Davis	Policy Consultant, Entergy Services, Inc.	at large In Person
Michelle Mizumori	Market Interface Manager, Western Electricity Coordinating Council (WECC)	At-Large
<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 In Person



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			ATTENDANCE
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.	
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	
R. Scott Brown	Vice President and Director, Exelon Generation Power Team	IOU	Phone
<b>WEQ DISTRIBUTION/LOAD SERVING ENTITIES (LSE) SEGMENT</b>			
Arthur G. Fusco	Vice President and General Counsel, Central Electric Power Cooperative Inc.	Muni/Coop	In Person
Paul McCurley	Manager – Power Supply, National Rural Electric Cooperative Association	Muni/Coop	
Frank Johnson	Senior Vice President Electric Transmission and Distribution, Consumers Energy	IOU	
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>			
Jesse D. Hurley	Chief Executive Office, Shift Research , LLC	at large	In Person
Aaron Breidenbaugh	Senior Manager – Regulatory Affairs and Public Policy – New York, EnerNOC, Inc.		Phone
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	In Person
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		Phone
Kent Saathoff	Vice President of System Operations, ERCOT		Phone
Kevin Kirby	Vice President Market Operations, ISO New England, Inc.		Phone
Rana Mukerji	Vice President Market Structures, New York Independent System Operator, Inc. (NYISO)		
Andy Ott	Senior Vice President Marketing, PJM Interconnection		
Bill Phillips	Vice President Standards Compliance & Strategy, Midwest ISO (MISO)		In Person
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)		
Ralph Cleveland	Senior Vice President – Engineering and Operations, AGL Resources, Inc.		Phone
<b>RGQ SERVICE PROVIDERS/SERVICE PROVIDERS SEGMENT</b>			
Leigh Spangler	President, Latitude Technologies Inc.		In Person
Dave Darnell	President & CEO, Systrends USA		
Greg Lander	President, Capacity Center		
The WEQ 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)	



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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.



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### 14. Other Attendance

Name	Organization	Attendance
Jonathan Booe	NAESB	In Person
Bill Boswell	NAESB	In Person
Kathryn Burch	Spectra Energy Transmission	In Person
Christopher Burden	Williams Gas Pipeline	In Person
James Culliton	NAESB	In Person
Cory Cummings	NAESB	In Person
Dale Davis	Williams Gas Pipeline	In Person
Mark Gracey	El Paso Gas Pipeline Company	In Person
Barry Green	Barry Green Consulting	In Person
Bill Griffith	El Paso Natural Gas	In Person
Alan Johnson	NRG Energy	Phone
Iris King	Dominion	Phone
Annabelle Lee	NIST	Phone
Rick Lisenbe	Self Employed	In Person
Bruce McAllister	FERC	Phone
Susan Munson	ERCOT	Phone
Sylvia Munson	ERCOT	In Person
Rae McQuade	NAESB	In Person
Shawntae Nix	Spectra Energy	In Person
Joelle Ogg	Brunenkant & Cross, LLP	In Person
Denise Rager	NAESB	In Person
Andy Rodriguez	NERC	In Person
Lisa Simpkins	Constellation Energy Resources	Phone
Ed Skiba	Midwest ISO	In Person
Veronica Thomason	NAESB	In Person
Ronald Tomlinson	Dominion	In Person
Kim Van Pelt	Panhandle Eastern Pipeline	In Person
Jill Vaughn	Preferred Legal Services	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
Randy Young	Boardwalk Pipelines, LP	Phone



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## NORTH AMERICAN ENERGY STANDARDS BOARD

2010 Annual Plan for the Wholesale Gas Quadrant as Approved by the Board of Directors on 12-10-09

Item Description	Completion <sup>1</sup>	Assignment <sup>2</sup>
<b>1. 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 and RM96-1-027</a> as related to the NAESB reports submitted in Docket No. <a href="#">RM05-28-000</a> :		
a. Provide for Enhanced Granularity for Public Utilities in Identifying Critical Operational Flow Orders. ( <a href="#">R08020</a> ) Status: Underway	4th Q, 2009	BPS, IR/Tech jointly with WEQ BPS
<b>2. 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. Review recent FERC order on flow-through of Discounted or Negotiated Rates (RP09-70 et al, October 15, 2009) and develop business practice standards as appropriate Status: Not Started	2 <sup>nd</sup> Q, 2010	BPS/Interpretations
<b>3. Capacity Release EDI Review</b>		
Review capacity release transactions upload and related responses to determine suitability for EDI		
a.. Develop Business Practice Standards as appropriate Status: Underway	4 <sup>th</sup> Q, 2009	BPS
b. Prepare fully staffed recommendation Status: Not Started (Adjustments may be made to Completion Dates based on report from Item 3.a)	3 <sup>rd</sup> Q, 2010	BPS, IR/Technical
<b>4. 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 1 <sup>st</sup> Q, 2010 after which a Completion Date will be set)		
<b>5. 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: Not Started		
<b>6. FERC Strategic Plan FY2009-2014</b>		
a. For the <a href="#">FERC Strategic Plan</a> , under the section “Promote efficient design and operation of natural gas facilities”, review and develop standards as needed to support EBB posting requirements regarding waste heat feasibility (NAESB Standard No. 4.2.23)	2010	BPS
<b>7. Common Codes</b>		
a. Review common code specifications for common location codes and determine if changes are necessary to the existing specifications to support both intrastate and interstate pipelines	4 <sup>th</sup> Q, 2010	BPS



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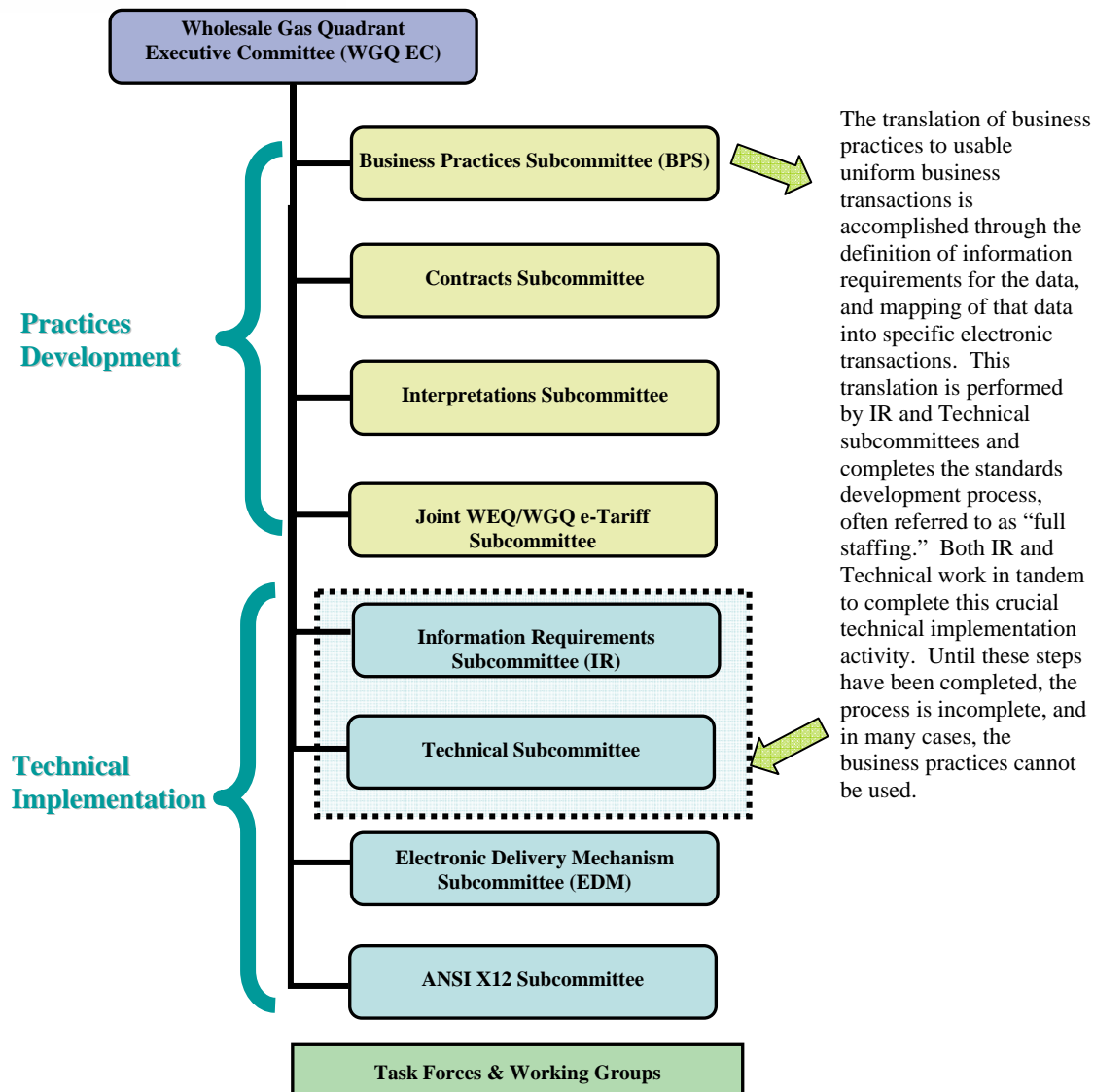
### NORTH AMERICAN ENERGY STANDARDS BOARD

2010 Annual Plan for the Wholesale Gas Quadrant as Approved by the Board of Directors on 12-10-09

Item Description	Completion <sup>1</sup>	Assignment <sup>2</sup>
<b>Program of Standards Maintenance &amp; Fully Staffed Standards Work</b>		
Business Practice Requests	Ongoing	Assigned by the EC <sup>3</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>3</sup>
Interpretations for Clarifying Language Ambiguities	Ongoing	Assigned by the EC <sup>3</sup>
Maintenance of Code Values and Other Technical Matters	Ongoing	Assigned by the EC <sup>3</sup>
Maintenance of Contracts Standards	As Requested	Contracts Subcommittee
Maintenance of eTariff Standards	As Requested	Assigned by the EC <sup>3</sup>
<b>Provisional Activities</b>		
1	Review and develop standards as needed, related to Docket No. <a href="#">RM09-2-000</a> , (Contract Reporting Requirements of Intrastate Natural Gas Companies).	
2	Review and develop standards as needed related to the <a href="#">FERC Strategic Plan 2009-2014</a>	

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## NAESB 2010 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



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### End Notes, WGQ 2010 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 EC assigns maintenance of existing standards on a request-by-request basis.



# North American Energy Standards Board

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**NORTH AMERICAN ENERGY STANDARDS BOARD  
2010 ANNUAL PLAN for the WHOLESALE ELECTRIC QUADRANT  
As Approved by NAESB Board of Directors on December 10, 2009**

Item Description	Completion <sup>1</sup>	Assignment <sup>2</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) Parallel Flow Visualization/Mitigation for Reliability Coordinators in the Eastern Interconnection.	2010	BPS
Note: Consideration should be given to provisional item 4. Work is being coordinated with the NERC IDC Working Group.		
Status: Started		
b) Time Error and Inadvertent (BAL-004 and BAL-006) Coordination with NERC	TBD	TIMTF
Status: Monitor. (Upon initiation of this item by NAESB, a completion date will be determined. Based on discussions with NERC staff regarding the Balancing Authority Controls Standards Drafting Team's timeline the completion date has been changed to tbd.)		
c) DCS and AGC (BAL-002 and BAL-005) Coordination with NERC	TBD	TIMTF
Status Monitor. (Upon initiation of this item by NAESB, a completion date will be determined. Based on discussions with NERC staff regarding the Balancing Authority Controls Standards Drafting Team's timeline the completion date has been changed to tbd.)		
<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	1 <sup>st</sup> Q, 2010	OASIS
Status: Underway		



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	<b>Item Description</b>	<b>Completion<sup>1</sup></b>	<b>Assignment<sup>2</sup></b>
2)	Ability to Query Requests to Designate and Terminate Network Resources and Allow for Queries of All Information Provided with Designation Requests Status: Underway	1 <sup>st</sup> Q, 2010	OASIS
3)	Masking of Designated Network Resource Operating Restrictions and Generating Cost Information Status: Underway	1 <sup>st</sup> Q, 2010	OASIS
4)	Procedural Requirements for Submitting Designations over new OASIS Functionality Status: Underway	1 <sup>st</sup> Q, 2010	OASIS
5)	Specify How Designated Network Service Informational Postings are Posted on OASIS Status: Underway	1 <sup>st</sup> Q, 2010	OASIS
6)	Develop standards for the treatment of OASIS Requests when the Customer Fails to Provide the Necessary Attestation Status: Underway	1 <sup>st</sup> Q, 2010	OASIS
7)	Procedural Requirements for Submitting Both Temporary and Indefinite Terminations of Network Resources Status: Underway	1 <sup>st</sup> Q, 2010	OASIS
8)	Procedures for Submitting and Processing Requests for Concomitant Evaluations of Transmission Requests and Temporary Terminations Status: Underway	1 <sup>st</sup> Q, 2010	OASIS
ii)	Group 4: Pre-Emption; Request No. R05019		
1)	Pre-Emption Status: Not Started	3rd Q, 2010	OASIS
2)	Request No. R05019 Status: Not Started	3rd Q, 2010	OASIS
iii)	Group 5: Paragraph 1377 – Group 5 work should precede group 4 work		
1)	Paragraph 1377 Status: Not Started	2nd Q, 2010	OASIS
2)	Re-Bid Of Partial Service across Multiple Transmission Providers' Systems Status: Not Started	2nd Q, 2010	OASIS



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3) Group DNR requests from a system with point-to-point requests on other systems for synchronization Status: Not Started	2nd Q, 2010	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, 2010	OASIS
2) Paragraphs 1627 of Order 890 Status: Not Started	4 <sup>th</sup> Q, 2010	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, 2010	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> .		
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 Status: Underway	1 <sup>st</sup> Q, 2010	OASIS
<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)) Status: Underway	1 <sup>st</sup> Q, 2010	OASIS
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) Transition the TSIN Registry from NERC to NAESB as the enhanced Electric Industry Registry (EIR), ( <a href="#">R06027</a> ). Status: Underway	2010	NAESB/NERC Administration, JESS



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iii)	Document procedures used to implement the displacement/interruption terms of the Pro Forma tariff ( <a href="#">R05019</a> ).  Status: Deleted as a duplicate of 2009 AP item 2.a.ii.2	2011	OASIS
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 OASIS.		
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	2011	OASIS
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)	2011	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)	2011	OASIS
v)	Develop, coordinate interoperability testing, and implement e-Tag version 1.8.1  Status: Underway – 20090716 discussed rough time frames laid out needs test plans drafted	1 <sup>st</sup> Q, 2010	JESS
vi)	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)	2010	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)	2011	OASIS



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<p>iii) Develop Industry Implementation Plan for meeting PKI Standard requirements for e-tagging.</p> <p>Status: Underway. Full e-Tag implementation (server &amp; client side) is 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.</p>	TBD – dependent on item above (i) and EIR	JESS
<p><b>4 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>		
<p>a) Review the NAESB Business Practices for Measurement and Verification of Wholesale Electricity Demand Response (WEQ-015) in conjunction with the IRC developed Demand Response Matrix and identify business practice requirements that could be improved or made clearer through the addition of specific technical detail. The wholesale and retail demand response work groups and the Smart Grid task force should actively and timely communicate and coordinate work products to ensure consistency between the three work groups. Each work group should take into account the work products developed by the other.</p> <p>Status: In Progress</p>	Phase 2	WEQ Section of the Joint WEQ/REQ DSM-EE Subcommittee
<p>b) For each performance evaluation type/service type combination identified in WEQ-015, using the IRC matrix as a starting point, assess and determine what standards or guidelines, if any, should be developed to aid all participants in the use of measurement and verification methods for demand response programs in organized wholesale electric markets. If the determination is made that standards or guidelines will be developed, those items will be added as sub-items to 4(b).</p> <p>Status: In Progress</p>	Phase 2	WEQ Section of the Joint WEQ/REQ DSM-EE Subcommittee
<p>c) Develop glossary for business practice standards</p> <p>Status: Ongoing</p>	Ongoing	Joint WEQ/REQ DSM Subcommittee
<p>d) Develop business practice standards used to measure and verify reductions in energy and demand from energy efficiency in wholesale and retail markets.<sup>3</sup> This includes developing 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.</p> <p>Status: Underway (An estimated completion date will be established in 1<sup>st</sup> Q, 2010 after the new subcommittee has been formalized)</p>	2010	Joint WEQ/REQ DSM-EE Subcommittee



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Item Description	Completion <sup>1</sup>	Assignment <sup>2</sup>
<b>5 Maintain existing body of Version 2.x standards</b>		
a) Make consistency changes to Version 2.2 standards as directed by the WEQ Leadership Committee on December 12, 2007 OASIS Consistency Changes (R08001, R08002, R08003, R08005)  Status: Not Started (upon initiation of this item by NAESB, a completion date will be determined)	2011	OASIS
b) 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&CP Data Dictionaries. ( <a href="#">R08011</a> )  Status: Not Started  This Standards Request was assigned to the OASIS in May 2008.	2011	OASIS
c) Correct WEQ 013-2.6.7.2. – Resale off OASIS ( <a href="#">R08027</a> )	TBD	OASIS
d) Add language to WEQ-001-4 Online Negotiation and Confirmation process to clarify Table 4-3 ( <a href="#">R09003</a> )	TBD	OASIS
e) Create a new OASIS mechanism that allows for the merger of like reservations without the use of the resale mechanism ( <a href="#">R09015</a> )	TBD	OASIS
<b>6. Develop Smart Grid Wholesale and Retail Electric Standards - The wholesale and retail demand response work groups and the Smart Grid task force should actively and timely communicate and coordinate work products to ensure consistency between the three work groups. Each work group should take into account the work products developed by the other.</b>		
a) Develop requirements and use cases for PAP 03 – Pricing Model Status: Underway	1 <sup>st</sup> Q, 2010	Joint WEQ/REQ SGS Task Force
b) Develop requirements and use cases for PAP 04 – Scheduling Model Status: Underway	1 <sup>st</sup> Q, 2010	Joint WEQ/REQ SGS Task Force
c) Develop requirements and use cases for PAP 09 – Demand Response/Distributed Energy Resources Status: Underway	1 <sup>st</sup> Q, 2010	Joint WEQ/REQ SGS Task Force
d) Act as a convener (develop and implement a plan to expedite harmonized standards development and adoption within the associated standards bodies) and develop business practice standards as needed and assigned to NAESB for PAP 10 – Standard Energy Usage Information Status: Not Started	2010	Joint WEQ/REQ SGS Task Force



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Item Description	Completion <sup>1</sup>	Assignment <sup>2</sup>
<b>7. Develop or modify standards to Support <a href="#">FERC Order No. 676-E</a>, (Docket No. RM 05-5-013)</b>		
a) Review standards 001-14.1.3 and 001-15.1.2 based on FERC Order No. 676-E (See ¶ 39) Status: Not Started	TBD	OASIS
b) Develop standards to support the Transmission Provider right to reassess the availability of conditional firm (See ¶ 72) Status: Not Started	TBD	OASIS
c) Prepare status reports every six months regarding the development of standards for the coordination of transmission service requests across multiple transmission systems (See ¶ 105). This annual plan item is tied to Annual Plan Item 2(a)(iii) Status: Not Started	TBD	NAESB Office



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### PROVISIONAL ITEMS

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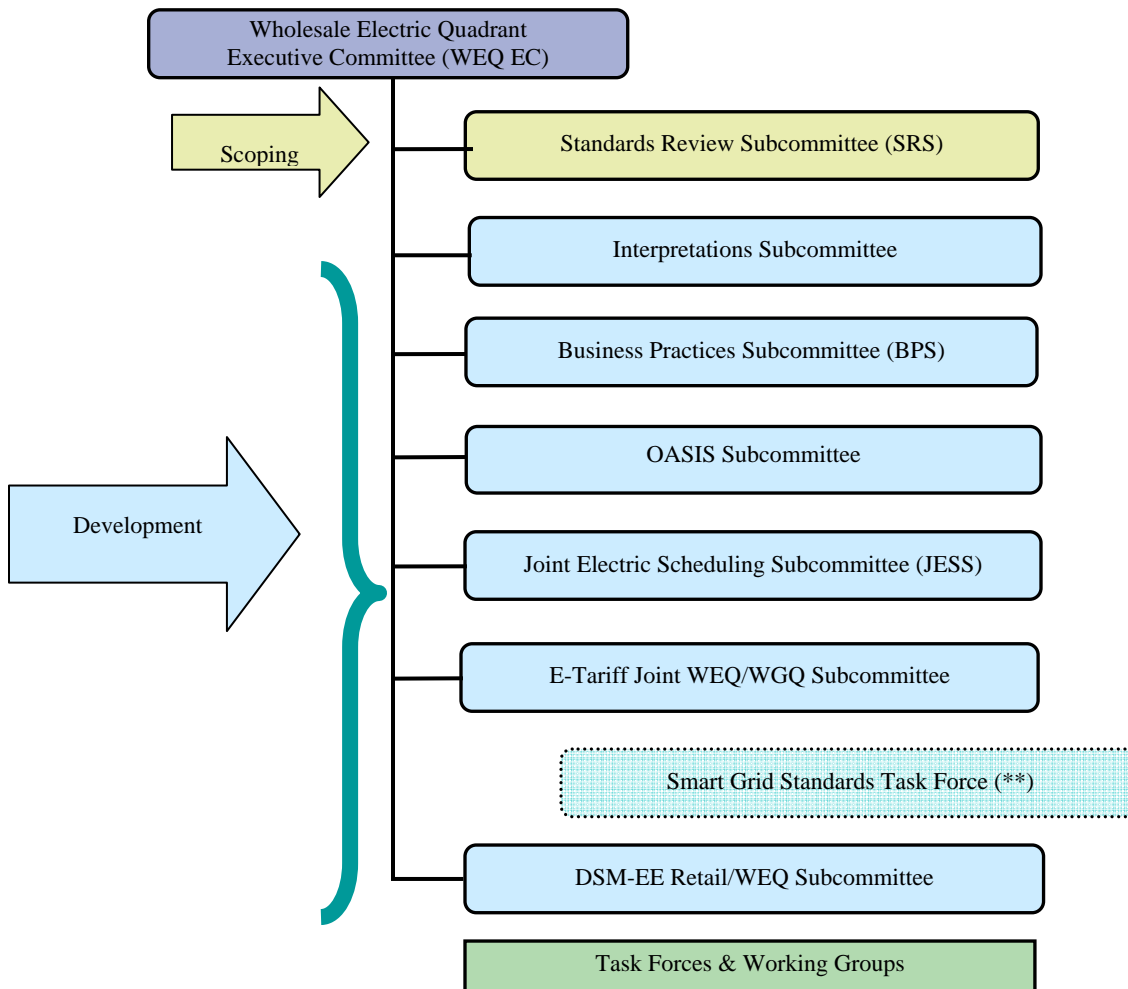
- 1 Develop and or modify business practices related to support of NERC effort on the NERC Resources and Transmission Adequacy (Project 2009-05 Resource Adequacy Assessment).
- 2 Develop business practices for allocating capacity among requests received during a submittal window Order 890-A ([Docket 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 2010 WEQ Annual Plan 1.a (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 SAR is authorized to proceed by the NERC Standards Committee.
- 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.
- 8 Develop business practice standards for cap and trade programs for green house gas
- 9 Conduct assessment to determine if Electric Industry Requirements documented in WEQ-011 Gas / Electric Coordination should be considered reliability requirements and transition to NERC.
- 10 Develop needed business practice standards for organization/company codes for NAESB standards – and address current issues on the use of DUNs numbers. Common code usage is linked to the transition of the Registry from NERC to NAESB.
- 11 Support the second phase of retail development of model business practice standards for demand response programs (Shown as Item 3e on the Retail 2010 Annual Plan).
- 12 Review the need for, and develop standards where appropriate, in response to issues raised by FERC's National Action Plan on Demand Response.



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## WHOLESALE ELECTRIC QUADRANT EXECUTIVE COMMITTEE AND SUBCOMMITTEE STRUCTURE



### 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 REQ/WEQ Subcommittee: Ruth Kiselewich and David Koogler (Retail), Roy True and Paul Wattles (WEQ)

(\*\*) The Smart Grid Task Force is a joint group of the retail electric and wholesale electric quadrants with other standards development groups such as OASIS (Organization for the Advancement of Structured Information Standards, not Open Access Same Time Information Systems related to NAESB standards and FERC actions), CalConnect, FIX and UCAlug, among others. Direction may be given from NIST, DoE or FERC and the group reports to the NAESB Board Smart Grid Strategic Steering Committee. The group is chaired by Brent Hodges, Joe Zhou, Wayne Longcore and Robert Burke.



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### End Notes WEQ 2010 Annual Plan:

<sup>1</sup> Dates in the completion column are by end of the quarter for completion by the assigned committee, sub-committee or task force. 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 sub-committee structure can be found at the end of the annual plan document.

<sup>3</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.

<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).



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December 10, 2009

**TO:** NAESB Executive Committee  
**FROM:** Rae McQuade  
**RE:** Schedule of 2010 Meetings

Below is the schedule of 2010 meetings for the Board of Directors, Advisory Council and Executive Committee.

### 2010 Calendar of Board and Advisory Council Meetings

Date	Meeting	Location
February 13	Advisory Council Meeting	Washington D.C. – Renaissance Washington Hotel (in conjunction with NARUC Winter Meeting)
March 25	Board of Directors	Houston – Marriott IAH
June 24	Board of Directors	Houston – Marriott IAH
September 23	Board of Directors, Meeting of the Members and Strategic Session	Houston – Marriott IAH
December 9	Board of Directors	Houston – Marriott IAH

### 2010 Calendar of Executive Committee Meetings

Date	Meeting	Location
February 2-4	Executive Committee (WEQ, Retail, WGQ)	Phoenix, AZ hosted by Salt River Project
May 4-6	Executive Committee (WEQ, Retail, WGQ)	Harrisburg, PA hosted by the Pennsylvania PUC
August 17-19	Executive Committee (WEQ, Retail, WGQ)	Colorado Springs, CO hosted El Paso Western Pipeline
October 26-28	Executive Committee (WEQ, Retail, WGQ)	Glen Allen, VA hosted by Dominion

The Retail Executive Committee meetings will be held by conference call and web cast unless otherwise determined by the retail leadership. The Wholesale Gas Executive committee meetings may be changed to only be held as a conference call/web cast dependent on the agenda items.