



NORTHEAST POWER COORDINATING COUNCIL, INC.  
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## NPCC REGIONAL STANDARDS COMMITTEE

### AGENDA FOR MEETING #15-3

June 23, 2015 10:00 a.m. – 5:00 p.m. EST

June 24, 2015 8:00 a.m. – 3:00 p.m. EST

Hampton Inn & Suites Saratoga Springs Downtown Hotel  
25 Lake Avenue  
Saratoga Springs, New York  
Attire: Business Casual

**Dial-In: 415-655-0003 (USA) / 416-915-6530 (Canada)**

**Guest Code: 28840965**

#### For Reference:

[Glossary of Terms Used in NERC Reliability Standards](#), dated April 29, 2015

[NPCC Glossary of Terms](#), dated January 18, 2012

#### Attendees:

	<b>Name</b>	<b>Organization</b>	<b>Sector (s)</b>	<b>Day(s)</b>	<b>Comment</b>
1.	Kal Ayoub	FERC	Guest	1 & 2	
2.	Guy Zito	Northeast Power Coordinating Council		1 & 2	
3.	Lee Pedowicz	Northeast Power Coordinating Council		1 & 2	
4.	Gerry Dunbar	Northeast Power Coordinating Council		1 & 2	
5.	RuiDa Shu	Northeast Power Coordinating Council		1 & 2	
6.	Herb Schrayshuen	Power Advisors, LLC - Proxy for NextEra Energy, LLC	4	1 & 2	
7.	Mark J. Kenny	Eversource Energy	1	1 & 2	
8.	Jim Grant	New York Independent System Operator	2	1 & 2	
9.	Greg Campoli	New York Independent System Operator	2	1	
10.	Kelly Dash	Consolidated Edison Co. of New York, Inc.	3	1 & 2	
11.	Ben Wu	Orange and Rockland Utilities	3	1 & 2	
12.	Tom Neglia	Orange and Rockland Utilities	Guest	1 & 2	Via Phone
13.	Bruce Metruck	New York Power Authority	5	1 & 2	
14.	Kathleen	ISO-NE	2	1 & 2	

	Goodman				
15.	Si Truc Phan Sector 1 Proxy for Sylvain Clermont	Hydro-Québec TransÉnergie	1/2	1 & 2	
16.	Brian Robinson	Utility Services	5	1 & 2	
17.	Brian Shanahan	National Grid	1	1 & 2	
18.	Michael Jones	National Grid	3	1 & 2	
19.	Payam Farahbakhsh	Hydro One Networks	1	1 & 2	
20.	Helen Lainis	Independent Electricity System Operator	2	1	Via Phone
21.	Glen Smith	Entergy Services, Inc.	4	1 & 2	
22.	Ron Falsetti	AESI	Guest	1 & 2	Via Phone
23.	Vijay Puran	New York State Department of Public Service	6	1 & 2	Day 2 Via Phone
24.	Robert Pellegrini	United Illuminating Company	Guest	1	Via Phone
25.	Lacey Ourso	NERC	Guest	1	Via Phone
26.	Glen Stevens	BAL SDT Member	Guest	1	Via Phone
27.	Ben Li	Contractor for IESO	Guest	1	Via Phone
28.	Darrel Richardson	NERC	Guest	1	Via Phone

### **Introductions and Chair's Remarks**

Guy Zito called the meeting in order at 10:00AM June 23<sup>rd</sup>, 2015, he provided an update on the CC meeting and NPCC involvements with NERC Drafting Teams. The CC feels that there is no need for them to review RSAWs that are posted for comments.

Guy Zito mentioned that he spoke to NERC Standards Staff about a variance for Quebec (see Agenda Item 5.2). He reported that NERC Legal will allow NPCC to pursue any Quebec variances or revisions to variances using the NPCC Regional Standards process.

Guy Zito told the meeting that NERC's Gerry Cauley will be at NPCC's offices July 8, 2015 to discuss team building. How Regions can work better with NERC will be discussed.

### **NPCC Antitrust Compliance Guidelines**

The NPCC Antitrust Compliance Guidelines were read by Lee Pedowicz.

## **Agenda Items:**

### **1.0 Review of Agenda**

Guy Zito moved Section 13.7 to Section 5.7 State of Reliability 2015.

He added Section 5.8 Clean Power Plan, and to Section 6.1 Project 2010-14.1 for BAL-002-2 Darrel Richardson and Glen Stevens calling in to the RSC Meeting at 2:30PM.

There were no additional changes to the Agenda offered by the Meeting.

### **2.0 RSC Meeting Minutes**

Approval of Minutes--there were no revisions to the Final Meeting Minutes 4-22-15.

Herb Schrayshuen made a motion for approval of the minutes.

Bruce Metruck seconded the motion.

The Meeting Minutes were approved (all in favor) as read.

### **3.0 Drafting Team Members and Executive Tracking Summary**

#### 3.1 NPCC Members on NERC Drafting Teams

RuiDa Shu updated the RSC Members on the NERC Drafting Teams spreadsheet. Updates will be made.

Action Item: RuiDa Shu will remove the finished Project information.

#### 3.2 Executive Tracking Summary

RuiDa Shu provided updates on the Executive Tracking Summary which is posted on the NPCC Website.

Action Item: RuiDa Shu will make an active and inactive column so the inactive Projects can be filtered out.

#### 3.3 NERC [Project Tracking Spreadsheet](#)

Guy Zito provided a brief update on the NERC Project Tracking Spreadsheet.

### **4.0 Open Action Items**

#### 4.1 Open Action Items List

Guy Zito provided updates on the Open Action Items list. Open Action Items 4.3 and 4.4 are removed from the Open Action Items List.

### **5.0 Items Requiring RSC Discussion / Approval**

#### 5.1 [NERC Weekly Standards Bulletin](#)

Guy Zito mentioned this was an item for information only.

#### 5.2 Approval of RSAR Regional Variance -PRC-006-3--Automatic Underfrequency Load Shedding - Variance for the Quebec Interconnection

Si Truc Phan updated the RSC Members on the Quebec Regional Variance.

Quebec system is designed so that they will not be able to load shed if they are down to last 25 percent of generation.

Si Truc Phan suggested to submit this RSAR separately so it's a clean process even though there are many items in common with Brian Robinson's RSAR.

Guy Zito will discuss with NPCC Legal staff on the appropriate form of submittal (SAR or RSAR) of the Quebec Variance. The text will not change.

Guy Zito also mentioned that priority should be given to the continent-wide standard.

Guy Zito made a motion to approve.

Herb Schrayshuen made a motion of approval of the RSAR.

Kathleen Goodman seconded the motion.

The RSAR of Automatic Underfrequency Load Shedding – Variance for the Quebec Interconnection was approved (all in favor) as read.

### 5.3 NERC IVGTF Report

Guy Zito made a presentation on IVGTF to the RSC Members. He doesn't know if the report will be made public.

### 5.4 2010-05.3 Phase 3 of Protection Systems: Remedial Action Schemes (RAS)

PRC-012 was filed with FERC but not accepted. It is considered to be a fill-in-the-blank standard.

Type III SPSs within NPCC Region needs to be re-evaluated.

Guy Zito is asking TFCP to gather more information on the Type 3 SPS (RAS) and if it presents any issues.

FERC views the single component failure as having to be in the continent-wide standard.

Gerry made an additional point that the survey is focusing on the Type 3 SPS (RAS) that was installed for the compliance with the TPL standards.

Si Truc Phan said that the increase in maintenance will be a significant problem.

Kathleen Goodman asked if NPCC had to maintain SPSs that didn't fall under the RAS definition, and Guy Zito responded that it had to. Only Type III SPSs that don't fall under the RAS definition can be SPSs. Kathleen Goodman also noted that, at least for New England, there was a Type I SPS that did not meet the RAS definition and that is a concern for ISO-NE.

Guy Zito said that changes will probably have to be made to the Criteria.

Herb Schrayshuen reported that a NOPR was issued proposing acceptance of the RAS definition.

Guy Zito raised the question of just how much of a problem was the single component failure.

### 5.5 FERC NOPR of GMD HQT Presentation

Si Truc Phan made a presentation to the RSC Members on GMD studies made by Hydro-Quebec.

The data is still in the early research stages. SiTruc will have additional information at the next RSC Meeting.

Guy Zito commented that Hydro-Quebec wants to take a more preventative approach, rather than a reactionary approach.

Guy Zito will discuss with Si Truc Phan what strategy should be followed.

Greg Campoli said that there is a NOPR posted with comments due by the end of July, 2015.

Helen Lainis said that she gave comments to the Canadian Electricity Association, and will share with the RSC.

Guy Zito mentioned that Florida has expressed concern because no Cost Effective Analysis was done.

5.6 [TOP-IRO NOPR RM15-16-000](#)

Ben Li will called in at 2PM to discuss his concerns with the RSC Members.

The SDT believes there is no longer a need for the unknown operating state requirement; that it is redundant with the requirement to operate within limits.

Entities should always have a set of limits.

Ben Li has a concern regarding the proposed deletion of this requirement.

5.7 [State of Reliability 2015](#)

Guy Zito provided a presentation to the RSC Members on the State of Reliability 2015.

SOR 2015 provided an independent view of trends on the BPS for 2014, quantified risk and performance, identified areas needing improvement, measured success in controlling risks to reliability, developed a set of security performance metrics, and provided a foundation for risk assessment.

There are many key findings to the report and recommendations to NERC.

5.8 Proposed Clean Power Plan

Guy Zito gave a presentation to the RSC Members on the Potential Impacts of CPP.

The goals and objectives are resource and transmission adequacy evaluations driven by gas prices, identified reliability risks, identified lead time constraints, access to industry analysis and studies, to determine if unique reliability issues may arise, and provide an independent assessment of reliability that informs policy discussions on risk.

**6.0 NERC Reliability Standards**

<http://www.nerc.com/pa/Stand/Pages/Standards-Under-Development.aspx>

6.1 Currently Posted Projects

Project	Comment Period End Date	Ballot Period End Date	Standards Developer	6/23/15 Call-In
<u><a href="#">2015-06 Interconnection Reliability Operations and Coordination - IRO-006-East, IRO-009</a></u>	7/8/15 (F)	7/8/15 (I)	Katherine Street Greg Campoli	1:00PM
<u><a href="#">Project 2015-04 Alignment of Terms</a></u>	7/13/15 (F)	7/13/15 (I)	Lacey Ourso	1:15PM
<u><a href="#">Project 2007-17.4 PRC-005 FERC Order No. 803 Directive</a></u>	7/10/15 (I)			
<u><a href="#">Project 2014-01 Standards Applicability for Dispersed Generation Resources</a></u>	7/13/15 (I)			
<u><a href="#">Project 2015-07 Internal Communications Capabilities</a></u>	7/15/15 (I)			
<b>Comments:</b> (I) – Informal; (F) – Formal <b>Ballots:</b> (I) – Initial; (A) – Additional; (F) – Final				

Project 2015-06:

Greg Campoli discussed the project with the RSC Members. He hasn't heard about the feasibility of retiring Requirement R1.

The RSC Members reviewed and provided inputs to all the comments on Project 2015-06.

The RSC Members did not agree to some of the comments submitted to Lee Pedowicz.

Lee Pedowicz will get back to the commenters and discuss the rejected comments.

Project 2015-04:

Lacey Ourso mentioned that the deadline for the comment submission is July 27<sup>th</sup>, 2015.

The team came up with four different groupings and went through everything individually.

The SDT went through all the terms and made updates on capitalizations on all the terms.

Every time an update is made the SDT will go through all standards to ensure all documents are consistent.

Glossary of Terms are the only terms will be balloted. Rules of Procedure terms will be handled separately.

Si Truc Phan asked for a clarification of Generator Owner. Kathleen Goodman suggested that any changes made should not change registrations.

Project 2015-07:

Guy Zito provided a brief update on Project 2015-07.

Project 2010-14.1 Phase 1 of Balancing Authority Reliability-based Controls - BAL-002-2:

Glen Stevens provided an update on the project. Darrel Richardson also called in.

FERC has a few concerns on this project.

One of its main concerns is regarding Requirement 3 and the 105 minute recovery time, and the recovery option to trip load.

One suggestion offered is to modify the contingency reserves.

Proposal is to add load reduction to the definition of contingency reserves. Shedding load to maintain reserves does not contribute to reliability.

The goal is to have a plan or procedure for the operator if they need to shed load in order to maintain reserves that they can do so. The goal is to post this project for comments by the end of next week.

After posting, Glen offered outreach.

6.2 Ballot History (Since last RSC Meeting)

RuiDa Shu reviewed the Ballot History.

6.3 Comment Form History (Since last RSC Meeting)

RuiDa Shu reviewed the Comment Form History document in the meeting.

## **7.0 NERC Drafting Team Nominations**

<http://www.nerc.com/pa/Stand/Pages/Drafting-Team-Vacancies.aspx>

7.1 Currently Posted Drafting Team Vacancies

7.1.1 None at this time

7.2 Closed Drafting Team Nominations (Since last RSC Meeting)

7.2.1 None at this time

### 7.3 Solicitation For Informal Development Teams

#### 7.3.1 None at this time

Nothing to report for Item 7.0.

## 8.0 **NPCC Regional Reliability Standards**

<https://www.npcc.org/Standards/default.aspx>

### 8.1 Current Activities:

#### 8.1.1 Disturbance Monitoring Standard PRC-002-NPCC-01 Comparison

NOPR for the continent-wide PRC-002-2 Disturbance Monitoring standard is posted.

Three comments were submitted on the NOPR. APPA, Bonneville Power and NERC were the three entities that submitted comments.

Lee Pedowicz will follow up with Steve Crutchfield from NERC and develop responses to those three comments.

Lee Pedowicz presented the comparison table document to the RSC Members. Because PRC-018-1 addresses maintenance, it should be included in the comparison table.

The deadline to submit comments on the comparison table to Lee Pedowicz is July 9<sup>th</sup>, 2015.

#### 8.1.2 Approval of RSAR for Automatic Underfrequency Load Shedding PRC-006-NPCC-1. Requester: Brian Robinson.

Brian Robinson discussed the RSAR with the RSC Members.

All the changes are updated since last RSC Meeting.

Herb Schrayshuen made the motion for approval.

Jim Grant seconded the motion.

The RSAR for Automatic Underfrequency Load Shedding PRC-006-NPCC-1 was approved (all in favor) as read.

As per the NPCC Regional Standard Processes Manual, the NPCC Manager of Reliability Standards will draft a letter and submit it to RCC for Drafting Team assignment. Will suggest that the RCC task TFSS to form a SDT to address the RSAR.

### 8.2 Activities on Hold: Regional Standard BAL-002-NPCC-01: Regional Reserve Sharing

## 9.0 **NPCC Non-Standards**

<https://www.npcc.org/Standards/SitePages/NonStandardsList.aspx>

### 9.1 Directories:

#### 9.1.1 Directory #1 Design and Operation of the Bulk Power System (Status of CO7/CP11 Review).

The TFCO and TFCP have approved language revisions that further define the scope of the document and have posted Directory#1 to the Open Process for a third posting.

Pending the resolution of any additional non-substantive comments Directory#1 and an implementation plan developed to complete protection system upgrades will be presented to the RCC in September, 2015.

9.1.2 Directory #7 SPS (Status of NERC RAS)

RSC continued the discussion begun as part of Agenda Item 5.4 above. NERC is currently on an aggressive development schedule for PRC-012-2 and NPCC is working with the Task Forces in order to assess the standards impact on NPCC Members.

Based on the draft standard NPCC criteria will remain more stringent or specific than the requirements in the proposed NERC standard.

However, the term SPS will likely be retired within NPCC and replaced with RAS in all NPCC documents along with some revisions to the criteria in Directory#7 as a result of the approval of PRC-012-2.

9.1.3 Directory #9 and #10 Generator Verification (status of TFCO Review)

TFCO has established a Working Group (CO7) to review a preliminary comparison of D#9 and D#10 with MOD-25-2 which is enforceable on 7/1/2016.

9.1.4 Directory #4 System Protection Criteria (status of TFSP Review)

Directory#4 posted to the Open Process through July, 2015 for a second posting to consider proposed TFSP revisions

9.1.5 Directory#8 System Restoration (status CO11 Review)

TFCO Working Group CO-11 reviewing battery testing requirements in D#8 with PRC-005-2.

9.2 Discussion topic: Criteria Considerations for Emerging Risks

Mr. Dunbar suggested that the NPCC criteria could be developed to mitigate emerging industry risks (behind the meter generation, variable generation) without the development of standards.

9.3 Update on Criteria Clarification:

Criteria Clarification for Ontario Power Generation on Directory#8 has been rendered and will be posted to the Open Process.

## **10.0 RSC Member Items of Interest**

10.1 RSC Roster

Action Item: Update Mark J. Kenny's contact information on the RSC Roster.

## **11.0 Standards Activity Post NERC BOT Approval**

(Since last RSC Meeting)

11.1 NERC Filings to FERC

<http://www.nerc.com/FilingsOrders/Pages/default.aspx>

11.2 FERC Orders / Rules

<http://www.nerc.com/FilingsOrders/Pages/default.aspx>



- 11.3 Federal Register  
<https://www.federalregister.gov/>
- 11.4 [FERC Sunshine Act Meeting Notice](#)
- 11.5 [FERC Open Meeting Summaries](#)

**12.0 NERC Meetings**

- 12.1 Standards Committee (SC)  
<http://www.nerc.com/comm/SC/Pages/default.aspx>

January 21 <sup>st</sup> - Call	February 18 <sup>th</sup> - Call	March 11 <sup>th</sup> - Meeting
April 15 <sup>th</sup> - Call	May 20 <sup>th</sup> - Call	June 10 <sup>th</sup> - Meeting
July 15 <sup>th</sup> - Call	August 19 <sup>th</sup> - Call	September 23 <sup>rd</sup> Meeting
October 21 <sup>st</sup> - Call	November 18 <sup>th</sup> - Call	December 9 <sup>th</sup> - Meeting

- 12.2 Standards Committee Process Subcommittee (SCPS)  
<http://www.nerc.com/comm/SC/Pages/Standards%20Committee%20Process%20Subcommittee%20SCPS/Standards-Committee-Process-Subcommittee-SCPS.aspx>

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- 12.3 Standards Committee Project Management and Oversight Subcommittee (PMOS)  
[http://www.nerc.com/comm/SC/Pages/ProjectManagementandOversightSubcommittee\(PMOS\).aspx](http://www.nerc.com/comm/SC/Pages/ProjectManagementandOversightSubcommittee(PMOS).aspx)

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- 12.4 Member Representatives Committee (MRC) Meeting  
<http://www.nerc.com/gov/bot/MRC/Pages/AgendaHighlightsandMinutes2013.aspx>

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- 12.5 Board of Trustees (BOT) Meeting  
<http://www.nerc.com/gov/bot/Pages/Agenda-Highlights-and-Minutes-.aspx>

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- 12.6 Reliability Issues Steering Committee (RISC)  
<http://www.nerc.com/comm/RISC/Pages/AgendasHighlightsandMinutes.aspx>

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**13.0 NERC Items of Interest (Since last RSC Meeting)**

- 13.1 Lessons Learned  
<http://www.nerc.com/pa/rrm/ea/Pages/Lessons-Learned.aspx>
  - 13.1.1 Two new Lessons Learned have been issued since the last RSC meeting.
- 13.2 Alerts  
<http://www.nerc.com/pa/rrm/bpsa/Pages/Alerts.aspx>  
There has been one new NERC Alert released since the last RSC meeting.
- 13.3 [2015 ERO CMEP Implementation Plan Version 1.1](#)
- 13.4 [Final CIP V5 RSAW Released; Transition Resources Updated](#)

- 13.5 [NOPR on Transmission System Planned Performance for GMD Events Reliability Standard](#)
- 13.6 [Notice of Proposed Revisions to NERC Rules of Procedure Section 302.1, 400, Appendices 2, 4C, 5A and 5B](#)

**14.0 Other Items of Interest**

14.1 [2015 Regional Entity Business Plans and Budgets](#)

This item was struck. The document for 2016 is not ready.

14.2 NPCC Compliance Committee (CC)

January 14 <sup>th</sup> – Call	February 18 <sup>th</sup> – Call	March 17-18 <sup>th</sup> Meeting
April 15 <sup>th</sup> – Call	May 13 <sup>th</sup> – Call	May 19-21 <sup>st</sup> Workshop
June 16-17 <sup>th</sup> Meeting	July 15 <sup>th</sup> – Call	August 19 <sup>th</sup> – Call
September 22-23 <sup>rd</sup> Meeting	October 14 <sup>th</sup> – Call	November 10-12 <sup>th</sup> Workshop
December 3-4 <sup>th</sup> Meeting		

14.3 NPCC Board of Directors Meeting (BOD)

February 3 <sup>rd</sup> -4 <sup>th</sup> Meeting	March 25 <sup>th</sup> – Call	April 29 <sup>th</sup> Meeting
June 4 <sup>th</sup> – Call	June 25 <sup>th</sup> Meeting	August 5 <sup>th</sup> - Call
September 8 <sup>th</sup> -9 <sup>th</sup> Meeting	October 28 <sup>th</sup> – Call	December 2 <sup>nd</sup> Meeting

14.4 NYPA’s SAR for Definition of Control Center (revised)

Bruce Metruck discussed inconsistencies and compliance risks in the NERC proposed compliance guidance. RSC Meeting participants asked to submit comments to Lee Pedowicz by July 10, 2015.

**15.0 Future RSC Meetings and Conference Calls**

15.1 RSC 2015 Meeting Dates

February 18 <sup>th</sup> -19 <sup>th</sup> , 2015 NextEra Energy Offices, Juno Beach FL
April 22 <sup>th</sup> & 23 <sup>th</sup> , 2015 Dominion Offices, Richmond VA
June 23 <sup>rd</sup> & 24 <sup>th</sup> , Saratoga NY
October 7 <sup>th</sup> & 8 <sup>th</sup> , Montreal Quebec
December 3 <sup>rd</sup> & 4 <sup>th</sup> , Albany NY

15.2 RSC 2015 Conference Call Schedule (calls can be scheduled as needed)

all Calls are planned to start at 10:00 a.m. (call: 415-655-0003 (USA) / 416-915-6530 (Canada), Guest Code 29086775)

January 16	January 30	February 13
March 6	March 20	April 2
May 1	May 15	May 29
June 12	July 10	July 23
August 14	August 28	September 11
September 25	October 23	November 6
November 20	December 18	

The meeting adjourned at 11:09AM Wednesday June 24, 2015.

Respectfully Submitted,

Guy V. Zito, Chair RSC  
Assistant Vice President-Standards  
Northeast Power Coordinating Council, Inc.

## **Northeast Power Coordinating Council, Inc. (NPCC)**

### **Antitrust Compliance Guidelines**

It is NPCC's policy and practice to obey the antitrust laws and to avoid all conduct that unreasonably restrains competition. The antitrust laws make it important that meeting participants avoid discussion of topics that could result in charges of anti-competitive behavior, including: restraint of trade and conspiracies to monopolize, unfair or deceptive business acts or practices, price discrimination, division of markets, allocation of production, imposition of boycotts, exclusive dealing arrangements, and any other activity that unreasonably restrains competition.

It is the responsibility of every NPCC participant and employee who may in any way affect NPCC's compliance with the antitrust laws to carry out this commitment.

Participants in NPCC activities (including those participating in its committees, task forces and subgroups) should refrain from discussing the following throughout any meeting or during any breaks (including NPCC meetings, conference calls and informal discussions):

- Industry-related topics considered sensitive or market intelligence in nature that are outside of their committee's scope or assignment, or the published agenda for the meeting;
- Their company's prices for products or services, or prices charged by their competitors;
- Costs, discounts, terms of sale, profit margins or anything else that might affect prices;
- The resale prices their customers should charge for products they sell them;
- Allocating markets, customers, territories or products with their competitors;
- Limiting production;
- Whether or not to deal with any company; and
- Any competitively sensitive information concerning their company or a competitor.

Any decisions or actions by NPCC as a result of such meetings will only be taken in the interest of promoting and maintaining the reliability and adequacy of the bulk power system.

Any NPCC meeting participant or employee who is uncertain about the legal ramifications of a particular course of conduct or who has doubts or concerns about whether NPCC's antitrust compliance policy is implicated in any situation should call NPCC's Secretary, Ruta Skučas, Esq. at 1-202-470-6428.