

## Agenda Standards Oversight and Technology Committee

August 12, 2015 | 11:15 a.m.–12:15 p.m. Eastern

The Ritz-Carlton, Toronto  
181 Wellington Street West  
Toronto, Ontario M5V 3G7  
Canada

### Call to Order

### Introductions and Chair's Remarks

### NERC Antitrust Compliance Guidelines—Public Announcement

### Agenda Items

1. **Minutes\* – Approve**
  - a. May 6, 2015 Meeting
2. **ERO Enterprise IT Application Strategy\* – Update**
3. **2016-2018 Reliability Standards Development Plan\* – Discussion**
4. **Reliability Standards Quarterly Status Report and Standards Committee Report\* – Review**
5. **Adjournment**

\*Background materials included.

# Antitrust Compliance Guidelines

## I. General

It is NERC's policy and practice to obey the antitrust laws and to avoid all conduct that unreasonably restrains competition. This policy requires the avoidance of any conduct that violates, or that might appear to violate, the antitrust laws. Among other things, the antitrust laws forbid any agreement between or among competitors regarding prices, availability of service, product design, terms of sale, division of markets, allocation of customers or any other activity that unreasonably restrains competition.

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

Antitrust laws are complex and subject to court interpretation that can vary over time and from one court to another. The purpose of these guidelines is to alert NERC participants and employees to potential antitrust problems and to set forth policies to be followed with respect to activities that may involve antitrust considerations. In some instances, the NERC policy contained in these guidelines is stricter than the applicable antitrust laws. Any NERC participant or employee who is uncertain about the legal ramifications of a particular course of conduct or who has doubts or concerns about whether NERC's antitrust compliance policy is implicated in any situation should consult NERC's General Counsel immediately.

## II. Prohibited Activities

Participants in NERC activities (including those of its committees and subgroups) should refrain from the following when acting in their capacity as participants in NERC activities (e.g., at NERC meetings, conference calls and in informal discussions):

- Discussions involving pricing information, especially margin (profit) and internal cost information and participants' expectations as to their future prices or internal costs.
- Discussions of a participant's marketing strategies.
- Discussions regarding how customers and geographical areas are to be divided among competitors.
- Discussions concerning the exclusion of competitors from markets.
- Discussions concerning boycotting or group refusals to deal with competitors, vendors or suppliers.

- Any other matters that do not clearly fall within these guidelines should be reviewed with NERC's General Counsel before being discussed.

### **III. Activities That Are Permitted**

From time to time decisions or actions of NERC (including those of its committees and subgroups) may have a negative impact on particular entities and thus in that sense adversely impact competition. Decisions and actions by NERC (including its committees and subgroups) should only be undertaken for the purpose of promoting and maintaining the reliability and adequacy of the bulk power system. If you do not have a legitimate purpose consistent with this objective for discussing a matter, please refrain from discussing the matter during NERC meetings and in other NERC-related communications.

You should also ensure that NERC procedures, including those set forth in NERC's Certificate of Incorporation, Bylaws, and Rules of Procedure are followed in conducting NERC business.

In addition, all discussions in NERC meetings and other NERC-related communications should be within the scope of the mandate for or assignment to the particular NERC committee or subgroup, as well as within the scope of the published agenda for the meeting.

No decisions should be made nor any actions taken in NERC activities for the purpose of giving an industry participant or group of participants a competitive advantage over other participants. In particular, decisions with respect to setting, revising, or assessing compliance with NERC reliability standards should not be influenced by anti-competitive motivations.

Subject to the foregoing restrictions, participants in NERC activities may discuss:

- Reliability matters relating to the bulk power system, including operation and planning matters such as establishing or revising reliability standards, special operating procedures, operating transfer capabilities, and plans for new facilities.
- Matters relating to the impact of reliability standards for the bulk power system on electricity markets, and the impact of electricity market operations on the reliability of the bulk power system.
- Proposed filings or other communications with state or federal regulatory authorities or other governmental entities.
- Matters relating to the internal governance, management and operation of NERC, such as nominations for vacant committee positions, budgeting and assessments, and employment matters; and procedural matters such as planning and scheduling meetings.

## Draft Minutes

# Standards Oversight and Technology Committee

May 6, 2015 | 8:00 a.m. – 9:00 a.m. Eastern

The Ritz-Carlton, Pentagon City  
1250 S Hayes Street  
Arlington, VA 22202

Kenneth G. Peterson, Chair, called to order a duly noticed meeting of the Standards Oversight and Technology Committee (the “Committee”) of the Board of Trustees of the North American Electric Reliability Corporation (“NERC”) on May 6, 2015, at 8:00 a.m. Eastern, and a quorum was declared present. The agenda is attached as **Exhibit A**.

Present at the meeting were:

### **Committee Members**

Kenneth G. Peterson, Chair  
Paul F. Barber  
Frederick W. Gorbet  
David Goulding  
Douglas Jaeger

### **Board of Trustees Members**

Janice B. Case  
Gerald W. Cauley  
Robert Clarke  
George Hawkins  
Jan Schori  
Roy Thilly

### **NERC Staff:**

Valerie Agnew, Senior Director of Standards  
Charles A. Berardesco, Senior Vice President, General Counsel, and Corporate Secretary  
Thomas Burgess, Vice President and Director of Reliability Assessment and Performance  
Stan Hoptroff, Vice President and Chief Technology Officer  
Mark G. Lauby, Senior Vice President and Chief Reliability Officer  
Marcus Sachs, Senior Vice President and Chief Security Officer  
Janet Sena, Senior Vice President and Director Policy and External Affairs  
Brady Walker, Associate Counsel  
Michael Walker, Senior Vice President, Chief Financial and Administrative Officer, and Corporate Treasurer

### **Other:**

Brian Murphy, Chair, Standards Committee

**NERC Antitrust Compliance Guidelines**

Mr. Peterson directed the participants' attention to the NERC Antitrust Compliance Guidelines included with the agenda materials, and stated that any additional questions regarding these guidelines may be directed to Mr. Berardesco.

**Minutes**

Upon motion duly made and seconded, the Committee approved the minutes of the February 11, 2015 meeting as presented to the Committee at the meeting.

**ERO Enterprise IT Application Strategy**

Mr. Hoptroff provided an update on the ERO Enterprise IT Application Strategy. He reviewed the status of development and implementation of several programs, including the reliability assessment data system, the events analysis application based on the Microsoft host platform, enterprise reporting phase I which allows for direct access to certain data used for various reporting purposes, tools for use with the Compliance Monitoring and Enforcement Program ("CMEP"), the ES-ISAC portal, and the document management program. With regard to ES-ISAC-related initiatives, Mr. Hoptroff noted the commitment of his department to conforming to the ES-ISAC Code of Conduct.

Mr. Hoptroff provided an overview of progress on major initiatives for 2015 and those projected for 2016, and discussed the associated priorities moving forward.

Mr. Hoptroff stated that NERC plans to continue to monitor the development of new technologies as a way to improve business processes, and that NERC IT would continue to work with the ERO Enterprise Technology Leadership Team to determine necessary resources, taking into account current business processes and available financial resources.

**FAC-003: Research and Development Results of Gap Factor Verification**

Mr. Burgess provided an overview of the history of Reliability Standard FAC-003 and FERC's recommendations to undertake additional testing to validate the process for calculating a "gap factor" used in determining the Minimum Vegetation Clearance Distances ("MVCD") with which entities must comply. He stated that NERC contracted with the Electric Power Research Institute ("EPRI") to conduct the testing, and that EPRI had formed an advisory group which provided guidance on the scope and development of the test plan, and assisted in validating the test results.

Mr. Burgess described the testing procedures and stated that most of testing was complete by Fall 2014. He indicated that NERC and EPRI staff had conducted an in-depth analysis of the results. That analysis, he said, revealed that the "gap factor" used in the calculation of MVCD should be adjusted from 1.3, as it appears in the currently-effective version of the Reliability Standard, to 1.0. The effect of that adjustment would be an increase in the MVCD.

Mr. Burgess stated that NERC and EPRI will conduct further testing to verify the gap factor adjustment and had been engaged in several activities to alert industry of the impending revision, including webinars, briefings, and the preparation of an alert advisory. Once testing is complete, he indicated that NERC would seek to initiate a Standard Authorization Request to make appropriate revisions to the FAC standard.

**Future of Standards Development**

Mr. Peterson provided an overview of the policy input that had been received from the MRC and that his goal from the discussion would be for the Committee to come to a consensus on direction to provide to NERC staff and the Standards Committee as to how standards development should progress over time. He emphasized the importance of determining the best course of action to ensure a robust and high quality set of standards.

Ms. Agnew led a discussion of reliability standards development over the last several years and presented several options for the future. She stated that, consistent with the policy input responses, NERC staff is pleased with the level of achievement in standards development but feels that there are some areas in which standards can be improved. To that end, NERC staff is supportive of a measure approach to periodic reviews of standards moving forward.

Mr. Murphy offered comments supportive of that approach and encouraged the use of a data driven approach in identifying standards for enhanced periodic review, pointing to valuable information available through CMEP, RAPA, and from the industry's practical application of the standards.

Committee members and Trustees engaged in a discussion of the issue and the various options. Several Committee members offered comments supportive of moving ahead with enhanced periodic reviews in a measured way. Mr. Gorbet asked that Ms. Agnew, Mr. Murphy, and staff as appropriate take into consideration the range of policy input comments received in an effort to determine the best and most effective way forward, and to include their recommendations in the Reliability Standards Development Plan ("RSDP") scheduled to be reviewed by the Board later this year.

**Periodic Review of NERC ANSI Accreditation**

Mr. Berardesco reviewed NERC's ANSI Accreditation status as required by the Committee mandate. NERC received its original accreditation in 2003. NERC was recertified most recently in May 2013 and continues to operate in accordance with ANSI requirements.

**Reliability Standards Quarterly Status Report and Standards Committee Report**

Ms. Agnew presented the Reliability Standards Quarterly Status Report which (i) outlined Reliability Standards that will be presented to the Board for approval, (ii) updated the number of outstanding FERC directives, and (iii) provided an update on projects slated for development as outlined in the 2015-2017 RSDP. Mr. Murphy presented a summary of the policy input letter that had been submitted on behalf of the Standards Committee.

**Adjournment**

There being no further business, and upon motion duly made and seconded, the meeting was adjourned at 9:00 a.m. Eastern.

Submitted by,



Charles A. Berardesco  
Secretary

## **ERO Enterprise IT Application Strategy Update**

### **Action**

Information

### **Background**

During 2014, NERC and the Regional Entities reached a consensus on prioritizing the development and implementation of software applications supporting common NERC and Regional Entity operations including data collection, management, and analysis. This strategy (ERO Enterprise IT Application Strategy) and associated application development and configuration, continues to be a multi-year initiative that should improve productivity and visibility to data, while reducing the complexity of managing multiple applications. Detailed information regarding the ERO Enterprise IT Strategy, applications, and budget was included in NERC's 2015 Business Plan and Budget (BP&B) and will be included in NERC's 2016 BP&B.

The Standards Oversight and Technology Committee (SOTC) subgroup, comprised of three SOTC members, continues to provide additional oversight to this effort, as well as deliver feedback to the SOTC on the development and execution of the ERO Enterprise IT Strategy. During the May 2015 SOTC meeting, NERC management provided an update on the ERO Enterprise IT Strategy, which included an update on six ERO IT Guiding Principles including a bias for proven off-the-shelf solutions and ensuring the right information is provided to the right people at the right locations. Updates were also provided on the priority ERO applications including Standards Balloting Applications, Reliability Assessment Data, Events Analysis, and Compliance Tools Assessment.

A presentation will be made at the August 2015 meeting providing progress of the ERO Enterprise IT Strategy and its guiding principles, updates on the development of key applications, plans for Compliance Monitoring and Evaluation Program (CMEP) tools, an update on ES-ISAC and the Cybersecurity Risk Information Sharing Program technologies, NERC's Document Management Program, and the ERO Project Management Office. In addition, an overview of future priorities for 2015 and 2016 will be provided.

## Draft 2016-2018 Reliability Standards Development Plan

### Action

Discussion

### Background

The draft 2016-2018 Reliability Standards Development Plan (RSDP) addresses emerging risks, FERC directives, and Standard Authorization Requests to develop or modify Reliability Standards, and presents a plan to carry out Enhanced Periodic Reviews. The draft RSDP specifically considers the recommendations from the Integration of Variable Generation Task Force (IVGTF), Essential Reliability Services Task Force (ERSTF), and Reliability Issues Steering Committee (RISC), as well as any FERC directives that may be issued.

Based on the policy input and the discussion at the Board in May 2015, there is support to conduct the Enhanced Periodic Reviews in 2016-2018 at a measured and deliberate pace and initiating a set number of reviews each year. The understanding is that the reviews should be aligned with strategic considerations of reviewing standard family(ies) that are inter-related. The draft RSDP calls for the Enhanced Periodic Reviews to start with a period of study and data evaluation of three to six months to inform the reviews.

Industry feedback is critical to this measured and deliberate pace of standards development. The factors for consideration of risk include:

- Emerging risks and changing technologies
- Events analysis and compliance violation statistics
- Lessons learned and frequently asked questions
- Requests for interpretations
- Reliability Standard Audit Worksheet (RSAW) development, measures, and compliance input
- Regional variances
- Construct of standards
- Surveys and polls

The [draft RSDP](#) was posted in mid-July for a 30-day industry comment period and will then be circulated through the Standards Committee. NERC will present the draft RSDP to the NERC Board of Trustees for adoption at its November 2015 meeting.



## Reliability Standards Quarterly Status Report

### Action

Information

### Background

Attached is the Reliability Standards Quarterly Status Report. Highlights include:

- **2015-2017 Reliability Standard Development Plan (RSDP) Progress**
  - Provides the status of progress made by NERC staff, the Project Management and Oversight Subcommittee, and standards drafting teams in standard development and project scheduling coordination anticipated by the 2015-2017 RSDP.
- **Standards Development Forecast**
  - Provides a forecast of the standards anticipated for completion and submission to the NERC Board of Trustees (Board) for adoption through May 2016.
- **Paragraph 81 and Independent Experts' Quarterly Update**
  - Provides an update on the status of the Paragraph 81 and Independent Expert Review Panel's recommendations for standard requirement retirement and the total number of resolutions made pursuant to these recommendations.
- **Regulatory Directives Update**
  - Provides a report on the progress made in addressing outstanding FERC directives and guidance.
- **Standards Committee (SC) Report**
  - SC overview of key activities and progress from the previous quarter, including the continued activity and progress of the SC subcommittees.

**NERC**

NORTH AMERICAN ELECTRIC  
RELIABILITY CORPORATION

# Reliability Standards

Standards Oversight and Technology Quarterly  
Report

August 12, 2015

**RELIABILITY | ACCOUNTABILITY**



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# Preface

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The North American Electric Reliability Corporation (NERC) is a not-for-profit international regulatory authority whose mission is to ensure the reliability of the bulk power system (BPS) in North America. NERC develops and enforces Reliability Standards; annually assesses seasonal and long-term reliability; monitors the BPS through system awareness; and educates, trains, and certifies industry personnel. NERC’s area of responsibility spans the continental United States, Canada, and the northern portion of Baja California, Mexico. NERC is the electric reliability organization (ERO) for North America, subject to oversight by the Federal Energy Regulatory Commission (FERC) and governmental authorities in Canada. NERC’s jurisdiction includes users, owners, and operators of the BPS, which serves more than 334 million people.

The North American BPS is divided into the eight Regional Entity (RE) boundaries, as shown in the map and corresponding table below.



FRCC	Florida Reliability Coordinating Council
MRO	Midwest Reliability Organization
NPCC	Northeast Power Coordinating Council
RF	ReliabilityFirst
SERC	SERC Reliability Corporation
SPP-RE	Southwest Power Pool Regional Entity
TRE	Texas Reliability Entity
WECC	Western Electricity Coordinating Council

## 2015-2017 Reliability Standards Development Plan Progress

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The [2015-2017 RSDP](#), developed by NERC staff in conjunction with members of the Standards Committee (SC), is a continuation of the approach set forth in the [2013-2015 RSDP](#) and [2014-2016 RSDP](#). It outlines a plan to complete the majority of the work necessary to bring the NERC Reliability Standards to “steady-state” by addressing FERC directives, Paragraph 81 (P81) and the Independent Experts’ Review Panel (IERP) recommendations for retirement and quality improvement, and considering other initiatives such as results-based standards. This RSDP was adopted by the NERC Board of Trustees (Board) at its November meeting and was filed with FERC on December 31, 2014.

NERC staff, the Project Management Oversight Committee, and standards development teams have worked closely together to spread the project completion dates and presentations to the NERC Board evenly throughout the year. As project timelines shift due to complexities or issues that need to achieve consensus, every effort is being made to pull some projects forward as others that need additional time are shifted further back in the year. Industry support in being able to maintain the target delivery dates is critical, and industry’s efforts to have open discussions to resolve issues is appreciated.

# Standards Development Forecast (Continent-wide)

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## Board Forecast for Standard Projects in Active Development

### August 2015

- Project 2015-06: Interconnection Reliability Operations and Coordination (IRO-006-East, IRO-009)

### November 2015

- Project 2007-06: System Protection Coordination (PRC-027-1)
- Project 2007-06.2: System Protection Coordination (PRC-001)
- Project 2007-17.4 PRC-005-3 Directive<sup>1</sup>
- Project 2010-04.1 MOD-031 Directives (MOD C)<sup>2</sup>
- Project 2010-07.1 Vegetation Management (FAC-003)
- Project 2010-14.1: Phase 1 of Balancing Authority Reliability-based Controls: Reserves (BAL-002)
- Project 2010-14.2.1: Phase 2 – Balancing Authority Reliability-based Controls Project 2012-09: BAL-005 and BAL-006
- Project 2010-14.2.2: Phase 2 – Balancing Authority Reliability-based Controls: BAL-004
- Project 2015-04: Alignment of NERC Glossary of Terms used in NERC Reliability Standards and the Definitions Used in the Rules of Procedure

### February 2016

- Project 2009-02: Reliability Monitoring and Analysis Capabilities
- Project 2010-05.3: Phase 3 of Protection System Misoperations: SPS/RAS

### May 2016

- Project 2015-07: Internal Communications Capabilities (COM-001)<sup>3</sup>
- Project 2010-05.3: Phase 3 of Protection System Misoperations: SPS/RAS

## Projects with Regulatory Deadlines

There are currently no projects with a regulatory deadlines.

**Table 1: Projects with Regulatory Deadlines**

Project	Regulatory Deadline
none	

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<sup>1</sup> See FERC Order No. 803 issued January 22, 2015

<sup>2</sup> See FERC Order No. 804 issued February 19, 2015

<sup>3</sup> See FERC Order No. 808 issued April 16, 2015

## Paragraph 81 and Independent Experts' Quarterly Update

### Progress to Date

In Table 2 below, a summary of the progress that has been made in addressing the P81 Phase 2 concerns and the IERP recommendations for retirement is provided. A spreadsheet outlining the specific requirements that are the subject of the P81 revision or the IERP recommendations, the projects that addressed them, and the resolutions of those projects have been posted to the standards page on the [NERC website](#).

### Background

On November 21, 2013, FERC issued Order No. 788 approving the retirement of the requirements proposed for retirement under Phase 1 of the P81 project. At the conclusion of Phase 1, 217 requirements remained for consideration in Phase 2 of the project. In addition, the IERP recommended a total of 257 requirements for retirement. Some requirements were included in both sets of recommendations, and eliminating these duplications resulted in a total of 281 requirements proposed for retirement. Of these, all except eight candidates have either been addressed or are in the process of being addressed in either a current project or five-year review.

Table 2: Progress Addressing P81 and IERP Recommendations for Retirement		
	Current Status	P81 and IERP Recommendations for Retirement
Total*		281
Addressed	238	
In current projects	35	
Not assigned	8	
*Unique requirements		

There are three possible ways in which the requirements proposed for retirement (above) may have been addressed: 1) The standard drafting teams may have retired the requirement in its entirety, 2) the requirement may have been modified, or 3) the requirement may have been retained in its entirety. The analysis is qualitative and was conducted with a conservative approach; thus a categorization of "modified" indicates that a portion, but not all, of the requirement, sub-requirement or part was retired. If any action in the original requirement was retained, the requirement received a categorization of "modified." Table 3 provides a summary of the 238 requirements that have been addressed to date:

Table 3: Resolutions for P81 and IERP Recommendations for Retirement		
Resolution	Number	Percent
Retired <sup>4</sup>	110	46%
Modified	103	43%
Retained	25	11%
Total	238	

<sup>4</sup>Twelve of these were retired in the P81 Phase 1, but were included on the list as they were recommended for retirement by the Independent Expert Review Panel.

## Regulatory Directives Update

### Directives Filed in 2015

The responses to directives filed with FERC in 2015 are:

- Q1
  - § Project 2013-03 Geomagnetic Disturbance Mitigation (14 directives)
  - § Project 2014-02 Critical Infrastructure Protection Version 5 Revisions (6 directives)
  - § Project 2014-03 TOP/IRO Revisions (39 directives)
  - § Project 2008-02 Undervoltage Load Shedding PRC-010 (2 directives)
- Q2
  - § Project 2014-04 Physical Security (1 directive)
  - § Project 2008-02.2 Phase 2 of Undervoltage Load Shedding (UVLS): Misoperations (1 directive)

### Directives Issued in 2015

The directives issued by FERC in 2015 are:

- Q1
  - § Order No. 803 pertaining to PRC-005-3 (2 directives)
  - § Order No. 804 pertaining to MOD-031 (2 directives)
- Q2
  - § Order pertaining to PRC-004-3 (1 directive)
  - § Order No. 808 pertaining to COM-001 (1 directives)
  - § Order No. 810 pertaining to BAL-001 (2 directives)

### Summary of Total Directives

As of June 30 2015, there were 35 standards-related directives, including FERC guidances, to be resolved. Table 4 below illustrates the progress to address FERC directives issued prior to 2013, post-2012, and in total. It does not include non-standards related directives.

Table 4: Summary of Total Directives			
	Pre-2013 Directives*	Post 2012 Directives*	Total
Issued prior to year-end 2012	191		
Issued since year-end 2012		56	
Resolved as of March 31, 2015	168	44	
Remaining	23	12	35
Projected to be resolved in 2015	18	6	25
Projected remaining at year-end 2015	5	6	10

\*Does not include directives for other NERC departments



### Trend in Number of Requirements

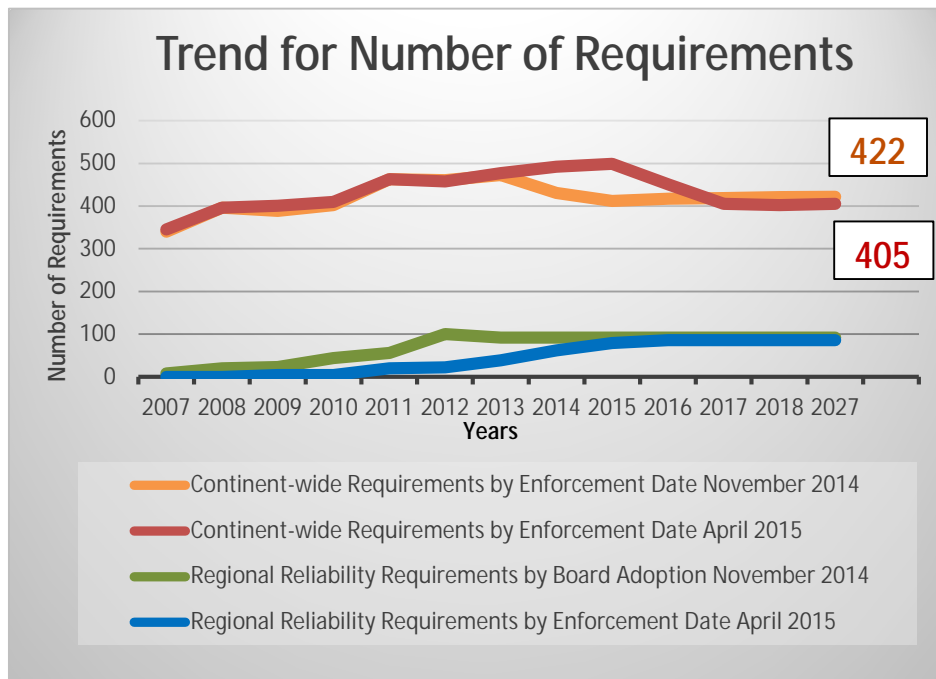
As the NERC Reliability Standards become steady-state there is an expectation that the total number of requirements subject to enforcement will be reduced. To measure the accuracy of NERC’s expectation, NERC staff used the *US Enforcement Status/Functional Applicability spreadsheet*<sup>5</sup> to analyze the trend in the total number of Board-approved requirements at the end of each year since standards became enforceable in the United States in 2007.

The below chart (Chart 1: Trend for Number of Requirements) was created<sup>6</sup> for the November 2014 SOTC meeting and was based on each requirement’s U.S. enforcement date in the *US Enforcement Status/Functional Applicability spreadsheet*. For comparison, this chart has been updated with information contained in the spreadsheet as of June 30, 2015. This chart updates the projection for 1) pending continent-wide retirements and 2) the number of regional reliability standards. The variances within continent-wide standards were removed from the regional reliability standards line.

The line indicating the number of retirements using the November 2014 data shows a downward slope in 2014 - 2015. This downward trend was anticipated as pending projects were filed. The line indicating the number of requirements using the June 2015 data shows the downward trend in 2016 - 2017 to more accurately reflect the anticipated enforcement dates. The projects pending that have significant reductions in the number of requirements include Project 2014-03 TOP/IRO Revisions with a net reduction of 57 requirements, Project 2012-05, Available Transmission System Capability (MOD A) with a net reduction of 50 requirements and Project 2009-03 Emergency Operations with a net reduction of 17 requirements. Table 5 below provides the list of projects pending approval. Overall, the total pending projects reflect a potential reduction of 108 requirements.

The chart below also includes the projected number of requirements at the end of each of the data lines. In November 2014, it was anticipated that the number of enforceable standards, once all projects were implemented, would be 422. At this time, the projection is 405 requirements.

Chart 1: Trend for Number of Requirements



<sup>5</sup>Available from the Standards section of the NERC website: <http://www.nerc.com/pa/Stand/Pages/default.aspx>.

<sup>6</sup>This chart was developed using Q2 2014 data.

**Table 5: Projection of Projects Pending Regulatory Approval**

Project	Title	Board Adoption	Filing Date	Projected FERC Approval Year	Projected Enforcement Year	Net Requirements
2006-06	Reliability Coordination	11/7/2012	5/14/2014	2015	2016	5
2007-11	Disturbance Monitoring	11/13/2014	12/15/2014	2015	2016	0
2007-17.3	Protection System Maintenance and Testing – Phase 3 (Sudden Pressure Relays)	11/13/2014	12/18/2014	2015	2016	0
2008-02	Undervoltage Load Shedding	11/13/2014	2/6/2015	2015	2016	4
2009-03	Emergency Operations	11/13/2014	12/29/2014	2015	2016	-17
2010.13.3	Phase 3 of Relay Loadability: Stable Power Swings	12/17/2014	12/31/2014	2015	2018	4
2010-05.1	Protection System Misoperations	8/14/2014	9/15/2014	2015	2016	0
2010-14.1	Phase 1 of Balancing Authority Reliability-based Controls: Reserves	8/15/2013	4/2/2014	2015	2016	-2
2012-05	ATC Revisions (MOD A)	2/6/2014	2/10/2014	2015	2017	-50
2014-02	Critical Infrastructure Protection Standards Version 5 Revisions	11/13/2014	2/13/2015	2015	2016/2017	1
2014-03	Revisions to TOP and IRO Standards	8/16/2012	4/16/2013	2015	2016	-57

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# Standards Committee Report

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## Background and Summary

### Draft Reliability Standards Development Plan

At the July 2015 Standards Committee meeting, the Committee endorsed for stakeholder comment a [draft 2016-2018 Reliability Standards Development Plan](#) (Plan). The Plan includes a list of Standard projects that are expected to be completed either this year or early next year, as well as proposed Enhanced Periodic Review projects. After consideration of stakeholder comments, the Standards Committee and NERC Staff will work together to finalize the Plan. NERC Staff and the Standards Committee will bring the Plan to the Board for approval in November.

The Plan also references the Standards metric, which is separately under consideration by the Standards Committee and NERC Staff. NERC Staff and the Standards Committee plan to bring a draft metric to the Board for consideration in November.