

## Meeting Notes

# Project 2016-02 Modifications to CIP Standards Drafting Team

February 13-15, 2018

### **Review NERC Antitrust Compliance Guidelines and Public Announcement**

Mat Bunch reviewed the NERC Antitrust Compliance Guidelines and noted that the meeting was public.

### **Safety briefing**

Rich Kinasclo welcomed the CIP standard drafting team (SDT) and observers to OUC and reviewed safety protocols.

### **Introductions, determination of quorum, chairs' remarks**

Christine Hasha and David Revill welcomed the group and reviewed the meeting agenda and objectives. All SDT members were present either in-person or by phone.

### **NERC staff's remarks**

Soo Jin Kim introduced herself and Jordan Mallory (NERC standards developer) to the project, gave a high-level review of project deliverable deadlines (anticipated completion date: Q3 2018).

### **SAR Review**

David Revill reviewed the Project 2016-02 SAR status, which includes (i) completed items; (ii) outstanding FERC directives; (iii) V5TAG transfer items; and (iv) items for future consideration. The SDT mentioned that when addressing virtualization, discussion is necessary on whether CIP-applicable systems and non-CIP-applicable systems may reside on the same shared infrastructure. This issue area could benefit from being broken down into specific tasks identified by the SDT.

The SDT members requested that NERC staff provide public data available (e.g. audit recommendations from "near miss" issues, etc.). The SDT also inquired about information on the (latest) most frequently violated requirements, given that the process for most violations span 1+ 2+ years. The group discussed manners in which to address this information requests, among which may include potential SDT feedback, NERC compliance monitoring, or by other means (further discussion necessary). NERC staff to consider this request and provide feedback to the SDT at a future meeting.

The team discussed the issues tracking of security updates and patching in CIP-010, noting that the requirements would benefit if written in a more results-oriented (broader, less prescriptive) manner. Specifically, although it is possible to mitigate certain vulnerabilities without applying patches, patching is still a requirement under CIP-010.

The team discussed the Remote Access filing; Christine Hasha and Steve Brain to work with NERC Standards and Compliance staff on writing a new SAR for a future standards development project.

### **Recap Issue Areas and Definitions**

#### **Control Center**

Jay Cribb reviewed various scenarios. A FERC staff member mentioned that the “two of more *geographic* locations,” noted that justification and statistics would need to be provided with the number of affected entities, and addressed the fact that other standards containing Control Center may need to be revisited. Jennifer Flandermeyer noted the Functional Model (guidance document) and the NERC registry criteria both address Control Center and also suggested that NERC provide a CMEP Practice Guide for the Control Definition. The SDT discussed providing some sort of technical rationale behind the words chosen in the definition. A member of FERC staff agreed that it would be useful for balloting purposes.

The SDT debated having lower-case ‘r’ versus capital ‘R’ in ‘Real-time’ and decided unanimously on capitalizing the term.

### **CIP-012-1**

The SDT voted unanimously on February 13, 2018 to send CIP-012 to Quality Review

### **CIP-002-6 Posting**

The SDT addressed a webinar questions regarding the “commissioning date” language in the planned and unplanned changes section in the standard. Majority of the SDT members agreed to replace the “in service dates” with “commissioning date.” The SDT unanimously approved the following modifications:

*For Planned Changes resulting in a new BES Cyber System or a change in categorization for an existing BES Cyber System, the Responsible Entity shall comply with all newly applicable requirements in this Reliability Standard upon the commissioned date of the Planned Change. For this provision, the commissioned date is the date a new or modified Bulk Electric System asset or Cyber Asset is capable of impacting the BES. For requirements that contain periodic obligations, initial performance of those obligations following a Planned Change shall occur within the first period following the commissioned date of the Planned Change.*

### **Virtualization**

A FERC staff member noted that at this point, staff has concerns about using virtualization in mixed trust environments. The risks of the type of infrastructure should be taken into account when addressing the CIP standards. Some SDT members pointed out that these issues are not address in the current standards, which is why the team needs to address the issue. An SDT ask the question regarding exactly what defines “mix trust” or “mixed mode.” FERC staff if you have a certain level of trust on that asset on that hypervisor, the protection would have to be brought up to that level.

### **Definitions (CA, BCA, ERC, ESP, IRA)**

A FERC staff member noted that if something is not included as a BES cyber system, it does not

**Planned and Unplanned Changes [Webinar](#)**

- a. Wednesday, February 14, 2018 – 1:00 p.m. Eastern
- b. Dial-in: 1-415-655-0002 (US Toll); 1-416-915-8942 (Canada Toll)  
Access code: 736 352 790 | Password: CIPMOD

**Future In-person Meetings**

- c. March 27-29, 2018 (Atlanta, GA)
- d. April 17-19, 2018 (Location TBD—tentative—Ft. Worth, TX)
- e. May 22-24, 2018 (AEP – Columbus, OH)
- f. June 19-21, 2018 (Location TBD)
- g. July (TBD)

**Outreach plan**

- h. Review events attended (since previous meeting) and recap feedback
- i. Review / update future event schedule - assignments

**Adjourn**

The meeting adjourned at 11:30 a.m. eastern.

## February 13, 2018

### Straw Vote (if applicable):

- Team vote – send CIP-012 to Quality Review (Unanimously approved)

Attachment 1				
Name	Company	Member/ Observer	Straw Vote (X)	Conference Call/Web (Y/N)
Christine Hasha	Electric Reliability Council of Texas	Co-Chair	X	Y
David Revill	GSOC	Co-Chair	X	Y
Steven Brain	Dominion Energy	Member	X	Y
Jay Cribb	Southern Company	Member	X	Y
Jennifer Flandermeyer	Kansas City Power and Light	Member	X	Y
Tom Foster	PJM Interconnection	Member	X	Y
Rich Kinas	OUC	Member	X	Y
Forrest Krigbaum	Bonneville Power Administration	Member	X	Y
Mark Riley	Calpine	Member		Y
Jordan Mallory	NERC	NERC Staff		Y
Mat Bunch	NERC	NERC Staff		Y
Soo Jin Kim	NERC	NERC Staff		Y
Marisa Hecht	NERC	NERC Staff		Y
Shamai Elstein	NERC	NERC Staff		
Tom Hofstetter	NERC	NERC Staff		
Tobias Whitney	NERC	NERC Staff		Y

Lonnie Ratliff	NERC	NERC Staff		
Mike Keane	FERC	FERC		Y
Jen	FERC			
Jan Bargaen	FERC	FERC		Y
Dave Norton	FERC	FERC		
Margaret Scott	FERC	FERC		
Ken Lanehome	Bonneville Power Administration	PMOS		Y
Kirk Rosener	CPS Energy	PMOS		Y

February 14, 2018

**Straw Vote (if applicable):**

- Do you agree with modifying the definition of Control Center

## Attachment 2

Name	Company	Member/ Observer	Straw Vote (X)	Conference Call/Web (Y/N)
Christine Hasha	Electric Reliability Council of Texas	Co-Chair	Y	Y
David Revill	GSOC	Co-Chair	Y	Y
Steven Brain	Dominion Energy	Member	Y	Y
Jay Cribb	Southern Company	Member	Y	Y
Jennifer Flandermeyer	Kansas City Power and Light	Member	Y	Y
Tom Foster	PJM Interconnection	Member		Y
Rich Kinas	OUC	Member		
Forrest Krigbaum	Bonneville Power Administration	Member	Y	Y
Mark Riley	Calpine	Member		Y
Jordan Mallory	NERC	NERC Staff		Y
Mat Bunch	NERC	NERC Staff		Y
Soo Jin Kim	NERC	NERC Staff		Y
Marisa Hecht	NERC	NERC Staff		
Shamai Elstein	NERC	NERC Staff		
Tom Hofstetter	NERC	NERC Staff		
Tobias Whitney	NERC	NERC Staff		
Lonnie Ratliff	NERC	NERC Staff		

Mike Keane	FERC	FERC		Y
Jan Bargaen	FERC	FERC		Y
Dave Norton	FERC	FERC		Y
Margaret Scott	FERC	FERC		Y
Ken Lanehome	Bonneville Power Administration	PMOS		
Kirk Rosener	CPS Energy	PMOS		
				Y
				Y

February 15, 2018

Straw Vote (if applicable):

- a

Attachment 3				
Name	Company	Member/ Observer	Straw Vote (X)	Conference Call/Web (Y/N)
Christine Hasha	Electric Reliability Council of Texas	Co-Chair		Y
David Revill	GSOC	Co-Chair		Y
Steven Brain	Dominion Energy	Member		Y
Jay Cribb	Southern Company	Member		Y
Jennifer Flandermeyer	Kansas City Power and Light	Member		Y
Tom Foster	PJM Interconnection	Member		Y
Rich Kinas	OUC	Member		
Forrest Krigbaum	Bonneville Power Administration	Member		Y
Mark Riley	Calpine	Member		Y
Jordan Mallory	NERC	NERC Staff		Y
Soo Jin Kim	NERC	NERC Staff		Y
Mat Bunch	NERC	NERC Staff		Y
Marisa Hecht	NERC	NERC Staff		Y
Shamai Elstein	NERC	NERC Staff		
Tom Hofstetter	NERC	NERC Staff		
Tobias Whitney	NERC	NERC Staff		
Lonnie Ratliff	NERC	NERC Staff		



Mike Keane	FERC	FERC		Y
Jen	FERC			Y
Jan Bargaen	FERC	FERC		Y
Matt Dale	FERC	FERC		Y
Dave Norton	FERC	FERC		
Margaret Scott	FERC	FERC		
Ken Lanehome	Bonneville Power Administration	PMOS		Y
Kirk Rosener	CPS Energy	PMOS		

### **NERC Antitrust Guidelines**

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.

### **Disclaimer**

Participants are reminded that this meeting is public. Notice of the meeting was posted on the NERC website and widely distributed. The notice included the number for dial-in participation. Participants should keep in mind that the audience may include members of the press and representatives of various governmental authorities, in addition to the expected participation by industry stakeholders.

### **NERC Standards Development Process-Participant Conduct Policy**

<http://www.nerc.com/pa/Stand/Documents/Standards%20Development%20Process-Participant%20Conduct%20Policy.pdf>

### **NERC Email Listserv Policy**

<http://www.nerc.com/pa/Stand/Documents/Email%20Listserv%20Policy%2004012013.pdf>