

Meeting Notes

Project 2016-02 Modifications to CIP Standards Drafting Team

September 19-20, 2017 | 9:00 a.m. – 5:00 p.m.

September 21, 2017 | 8:30 a.m. – Noon

Administrative

1. Review NERC Antitrust Compliance Guidelines and Public Announcement

Mat Bunch reviewed antitrust guidelines and public announcement.

2. Safety briefing

A representative from KCPL reviewed the safety information and welcomed the attendees.

3. Introductions / Determination of Quorum

Individuals attending the meeting in-person and remotely introduced themselves. Quorum was achieved with at least six of the nine Standards Drafting Team members in attendance each day of the meeting. Attendance and straw votes for each day are included in the attachments herein.

4. Chair's remarks / Review meeting agenda and objectives

Co-chair David Revill welcomed attendees to the meeting and thanked KCPL for hosting. The agenda items were also reviewed.

Agenda Items

1. Review industry comments for CIP-012-1 and Control Center definition

The SDT extensively reviewed and drafted responses to the comments received from the ballot and comment period that closed on 9/11/2017. Major comment themes (for CIP-012-1) were related to:

- Applicability to Operational Planning Analysis data;
- Roles and responsibilities;
- Demarcation points;
- Implementation timeline;
- Need for implementation guidance.

Based on the comments received, the SDT made the following modifications to CIP-012-1 to align with industry feedback:

Applicable Functional Entities: *For this standard, any of the functional entities listed below that own or operate a Control Center will be referred to as "Responsible Entities."*

Requirement R1. *The Responsible Entity shall develop one or more documented plan(s) to mitigate the risk of the unauthorized disclosure or modification of data, excluding*

oral communications, while being transmitted between any Control Centers. The plan shall include: [Violation Risk Factor: Medium] [Time Horizon: Operations Planning]

- *Identification of demarcation point(s) inside a PSP for high and medium impact BES Cyber Systems where security controls are applied to protect the data during transmission between Control Centers;*
- *Identification of demarcation point security controls for access management and data confidentiality/integrity.*
- *When multiple Responsible Entities are involved, the documented plan shall include a mutually agreed upon demarcation for inclusion in the appropriate Responsible Entities' plan;*
- *Identification of the protection used to mitigate the risk;*

Requirement R2. *The Responsible Entity shall implement the plan(s) specified in Requirement R1, except under CIP Exceptional Circumstances.*

The Controls Center definition themes were as follows:

- Capability vs. authority of the facility;
- Modification could cause Operations & Planning issues;
- Should consider the reliability impact of the controlled facilities;
- Issue with Real-time reliability-related tasks;
- Could expand the scope of CIP-002;
- Manned vs. unmanned data centers/Control Centers.

2. Review Next Steps and Outreach Plan

The SDT discussed the Outreach Plan and reviewed the next steps in the project, which are as follows:

- Post formal ballot and comment for CIP-012-1;
 - Posting tentatively scheduled for mid-October;
- Draft Implementation Guidance for CIP-012-1;
- Determine approach for Control Center definition;
- Review formal ballot and comment for CIP-002-6;
 - Comment and ballot closes 10/30/2017;
- Post second informal comment for Virtualization;
 - Posting tentatively scheduled for early October; and
- Prepare formal ballot and comment for CIP Exceptional Circumstances (CEC) in alignment with virtualization.

3. Future meetings

SDT leadership informed the team that no October in-person meeting is necessary due to the timing of postings. All meetings in 2017 and beyond will be scheduled based on posting timelines.

4. Adjourned

September 19, 2017

Straw Vote: Implementation Plan timeline for CIP-012 - No phased-in date; 18; or 24

Attachment 1				
Name	Company	Member/ Observer	Straw Vote (18/24)	Conference Call/Web (Y/N)
Christine Hasha	Electric Reliability Council of Texas	Co-Chair	24	Y
David Revill	GSOC	Co-Chair		Y
Steven Brain	Dominion Energy	Member	24	Y
Jay Cribb	Southern Company	Member	24	Y
Jennifer Flandermeyer	Kansas City Power and Light	Member	24	Y
Tom Foster	PJM Interconnection	Member		
Richard Kinas	Orlando Utilities Commission	Member		Y
Forrest Krigbaum	Bonneville Power Administration	Member		
Philippe Labrosse	Hydro-Quebec TransEnergie	Member	24	Y
Mark Riley	Associated Electric Cooperative, Inc.	Member		N
Katherine Street	NERC	NERC Staff		Y
Mat Bunch	NERC	NERC Staff		Y
Shamai Elstein	NERC	NERC Staff		Y
Marisa Hecht	NERC	NERC Staff		N
Sean Cavote	NERC	NERC Staff		N
Howard Gugel	NERC	NERC Staff		

Attachment 1

Name	Company	Member/ Observer	Straw Vote (18/24)	Conference Call/Web (Y/N)
Steve Noess	NERC	NERC Staff		
Tom Hofstetter	NERC	NERC Staff		
Tobias Whitney	NERC	NERC Staff		
Mike Keane	FERC	FERC Staff		
Dave Norton	FERC	FERC Staff		
Ken Lanehome	Bonneville Power Administration	PMOS		
Ash Mayfield	Grand River Dam Authority	PMOS		

September 20, 2017

Straw Vote: Do we need a separate Control Center definition for CIP?

Attachment 1				
Name	Company	Member/ Observer	Straw Vote (Y/N)	Conference Call/Web (Y/N)
Christine Hasha	Electric Reliability Council of Texas	Co-Chair	N	Y
David Revill	GSOC	Co-Chair	N	Y
Steven Brain	Dominion Energy	Member	N	Y
Jay Cribb	Southern Company	Member	N	Y
Jennifer Flandermeyer	Kansas City Power and Light	Member	N	Y
Tom Foster	PJM Interconnection	Member	N	Y
Richard Kinias	Orlando Utilities Commission	Member		
Forrest Krigbaum	Bonneville Power Administration	Member		
Philippe Labrosse	Hydro-Quebec TransEnergie	Member	N	Y
Mark Riley	Associated Electric Cooperative, Inc.	Member		Y
Katherine Street	NERC	NERC Staff		Y
Mat Bunch	NERC	NERC Staff		Y
Shamai Elstein	NERC	NERC Staff		Y
Marisa Hecht	NERC	NERC Staff		N
Sean Cavote	NERC	NERC Staff		Y
Howard Gugel	NERC	NERC Staff		

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Name	Company	Member/ Observer	Straw Vote (Y/N)	Conference Call/Web (Y/N)
Steve Noess	NERC	NERC Staff		
Tom Hofstetter	NERC	NERC Staff		
Tobias Whitney	NERC	NERC Staff		
Mike Keane	FERC	FERC Staff		
Dave Norton	FERC	FERC Staff		
Ken Lanehome	Bonneville Power Administration	PMOS		
Ash Mayfield	Grand River Dam Authority	PMOS		

September 21, 2017

Attachment 3				
Name	Company	Member/ Observer	Straw Vote (Y/N)	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
Richard Kinas	Orlando Utilities Commission	Member		
Forrest Krigbaum	Bonneville Power Administration	Member		
Philippe Labrosse	Hydro-Quebec TransEnergie	Member		Y
Mark Riley	Associated Electric Cooperative, Inc.	Member		N
Katherine Street	NERC	NERC Staff		Y
Mat Bunch	NERC	NERC Staff		Y
Shamai Elstein	NERC	NERC Staff		Y
Marisa Hecht	NERC	NERC Staff		N
Sean Cavote	NERC	NERC Staff		Y
Howard Gugel	NERC	NERC Staff		

Attachment 3

Name	Company	Member/ Observer	Straw Vote (Y/N)	Conference Call/Web (Y/N)
Steve Noess	NERC	NERC Staff		
Tom Hofstetter	NERC	NERC Staff		
Tobias Whitney	NERC	NERC Staff		
Mike Keane	FERC	FERC Staff		
Dave Norton	FERC	FERC Staff		
Jan Bargaen	FERC	FERC		Y
Ken Lanehome	Bonneville Power Administration	PMOS		
Ash Mayfield	Grand River Dam Authority	PMOS		

NERC Antitrust Guidelines

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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

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NERC Email Listserv Policy

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