

Meeting Notes

Project 2016-02 Modifications to CIP Standards | Drafting Team Conference Call

July 22, 2020 | 3:00 – 5:00 p.m. Eastern

Administrative

Jordan Mallory reviewed the NERC Antitrust Compliance Guidelines, noted that the meeting was public, and called roll. See Attachment 1 for the meeting attendance.

Matt Hyatt welcomed everyone and reviewed the goals for the meeting. The goals were to discuss and outline details for the upcoming virtualization workshop.

Agenda Items

1. Status Update

No status updates were provided.

2. Virtual Workshop

The team discussed the upcoming virtualization workshop in detail. An outline was developed (see Attachment 2). Next steps will be to set-up conference calls to draft the presentation. The standard drafting team (SDT or team) is anticipating an August 27, 2020 date for the workshop. J. Mallory will send a doodle poll to the SDT regarding availability.

3. Mini webinar Development

Norman Dang will be the point person for the August 6, 2020 System Management webinar. The team reviewed the slides during their last conference call. No edits were made and no concerns were raised.

4. CIP-011 and Virtual Storage Discussion

No discussion during this meeting.

5. ERC/IRA Q&A Document Discussion – Are changes necessary to accommodate the following four bullets?

No discussion during this meeting.

6. Review of CIP-005, CIP-007, and CIP-010

No discussion during this meeting.

7. Outreach Opportunities

No discussion during this meeting.

8. Review Parking Lot Items

No discussion during this meeting.

9. CIP Strategy

No discussion during this meeting.

10. Future Meeting(s)

J. Mallory informed the SDT and observers that the July 29, 2020 conference call calendar invite was sent out. In addition, NERC staff will add the meeting to the NERC calendar and distribute an announcement.

11. Adjourn

The meeting adjourned at 4:59 p.m. Eastern.

Parking Lot Items	
Discussion Item	Comments
IRA discussion. Should system-to-system be excluded or included from the definition and/or Requirement R language. See notes from January 14, 2020 meeting.	CIP Leadership.
With the Multi-Site Data Center Extension discussion, I thought about the scenario of two distinct Control Centers using a single data center, and CIP-012 forcing encryption of data passed between a single locations. Also this will cause a hall of mirrors like scenario with the Data Center inclusion in the Control Center definition... with the single data center being a part of both control centers.	Scott Klauminzer
Consider removing the word “Documented” from the across all the CIP standards language.	Scott Klauminzer
How serial relates to ESZ and ESP / scoping of serial analysis	CIP Leadership
CIP-005 Serially connected to an IP converter. Is this forced into the ESZ? Cannot be an ESP bc they are not routable. CIP-005 R1 Part 1.1. Relationship to R2.	CIP-005 breakout team to review and address.
Third Party Cyber Assets within the exemption language. Do we need to ensure third party cyber assets are included in the exemption language?	Robert Garcia
Potential scope creep from word monitoring in the word PAMS (PAALS) Double check EAMS as well	Sharon Koller
Concept on R2 for hardening – consider thinking CIP-7 as hardening and staging and CIP-010 as maintaining	Will send comments to the SER team.
Decide if the team wants to handle M in EAMS in CIP-011 and remove from applicability. Needs to be discussed with BCSI SDT.	Matt and Mike

Parking Lot Items	
Discussion Item	Comments
Duplicate new SCI applicability from CIP-007 2.1 and add where applicable throughout CIP-005, CIP-007, and CIP-010. Need to review CIP-005. CIP-007 and CIP-010 completed at September in-person meeting.	Jordan
Security patch applied. 1.1.5. concern about patching being removed such as Microsoft.	Scott
Add SCI to CIP-002 Part 2.1 or 2.2. (stemmed from BCA excluding SCI.) Was a CIP-003 concern that SCI is not a BCS? Caused by the exclusion from the BCA definition.)	Scott/Matt
Review all conforming changes needed within CIP-004 and definitions.	Mike K.
Fix CIP-006 R1 Part 1.10 for geographic location.	Scott K.

Attachment 1 (July 22, 2020)

Name	Company	Member/ Observer	Straw Vote (X)	Conference Call/Web (Y/N)
Jay Cribb	Southern Company	Co-Chair		Y
Matthew Hyatt	Georgia System Operations Corporation	Co-Chair		Y
Jake Brown	ERCOT	Member		N
Norman Dang	Independent Electricity System Operator of Ontario	Member		Y
Robert Garcia	SPP, Inc.	Member		Y
Scott Klauminzer	Tacoma Public Utilities	Member		Y
Sharon Koller	ATC, LLC	Member		Y
Forrest Krigbaum	Bonneville Power Administration	Member		Y
Heather Morgan	EDP Renewables	Member		N
Mark Riley	Calpine	Member		Y
Jordan Mallory	NERC	NERC Staff		Y
Marisa Hecht	NERC	NERC Staff		N
Lonnie Ratliff	NERC	NERC Staff		Y
Brian Allen	NERC	NERC Staff		N
Mike Keane	FERC	FERC		Y
Jorge Reig	FERC	FERC		Y
Jen Rinaldi	FERC	FERC		Y
Ken Lanehome	Bonneville Power Administration	PMOS		Y
Kirk Rosener	CPS Energy	PMOS		Y

Attachment 2 2016-02 Virtual Workshop Outline

Purpose of workshop (JAY)

- Announcement
- Get industry feedback on current direction.
- Ensure SDT is good to move forward with the rest of the standards development.

Audience interaction (SHARON)

- Slido instructions. Thumbs up or thumbs down questions.
- Poll questions

Virtualization walk-thru

- Establish that CIP-002 has already been run. (MATT)
- A pair of geographically distributed physical servers configured as a hypervisor and a storage array (Named roles as a physical field device, EMS server, EACMS, Remote Access, PACS, historian, container, etc.) (MATT)
- New definitions – make sure one of them meets two definitions (MATT)
- CIP-005, -007, -010 – SMEs for each device (Panel style): Matt (MC)
 - High Control Center:
 - SCI Hypervisor geographically distributed cluster (SCOTT)
 - SCI Storage array (SCOTT)
 - VCA EMS server geographically distributed (ROBERT)
 - SCA Containerized Historian (JAY)
 - Medium Substation:
 - VCA EACMS/ Jump Host (JAKE)
 - VCA PACS (JAKE)
 - 500kv Relay (NORM)
- Questions via slido.
- Prepare poll questions throughout the slides. (e.g., are you virtualized, are you going virtualization, you think these changes are backwards compatible, etc.)