OCTOBER 2021

NERC CIP Standards Update

ieso
Connecting Today. Powering Tomorrow.

Active NERC SDTs

Project 2019-02 BCSI in Cloud SDT changes to CIP-004 and CIP-011 have been approved by NERC Board of Trustees in August and submitted to FERC Sep 15, 2021

Project 2016-02 CIP Mods SDT failed the ballot of Draft 2 of the V5TAG issues (Virtualization and External Routable Connectivity / Interactive Remote Access) changes to CIP-002 to CIP-013.

Project 2020-04 CIP-012 Mods SDT failed ballot of Draft 1 of proposed changes to CIP-012-1 to address FERC Order 866 – availability of communications links for real-time monitoring/ assessments.

Active NERC SDTs

Project 2020-03 SDT Supply Chain Low Impact SDT – failed Ballot 1 of proposed changes associated with remote vendor access at Low Impact BES Cyber Systems

Project 2021-03 SDT TOCC CIP-002 – nominations for SDT closed . This SDT will address changes to CIP-002 associated with Transmission Owner Control Centers that perform functions of a Transmission Operator. This SDT will use the SAR approved for the 2016-02 SDT.

Note: The updated Supply Chain Standards CIP-013-2, CIP-005-7 and CIP-010-3 were submitted to FERC in March, 2021 (Project 2019-03 SDT Supply Chain Risk Management adding EACMS and PACS)

ieso
Connecting Today. Powering Tomorrow.

Project 2019-02 BCSI in the Cloud SDT

- The proposed changes made to CIP-004 and CIP-011 were accepted at final ballot on May 10, 2021 and by NERC BOT at the Aug meeting.
- The BCSI changes allow an entity to add provisioned users and eliminates the dependency on known physical storage locations.
- These changes allows for BCSI to stored off physical premises and into cloud provider services
- CIP-004-7 and CIP-011-3 were submitted to FERC for approval Sept 21, 2021

ieso
Connecting Today. Powering Tomorrow.

Project 2016-02 SDT CIP Modifications

- Draft 2 ballot failed (closed Sept 1, 2020). Comments centered around the issues related to proposed changes in CIP-002. These changes would have allowed entities to combine any virtualization infrastructure into their BES Cyber Systems
- Other comments were in regards proposed changes to definitions of External Routable Connectivity and Interactive Remote Access
- The proposed changes for reinstatement of Electronic Security Perimeter and expansion to cover zero trust were well received
- SDT will not meet the proposed December 2020 FERC deadline and will likely target approval at the Feb 2022 NERC BOT meeting with FERC submission shortly afterwards

Project 2020-04 CIP-012 Mods SDT

- Initial ballot failed for Draft 1 of CIP-012-2. This draft includes requirements for availability of communications and data (used for real-time monitoring and real-time assessments) between Control Centers
- These proposed changes build on to previous changes to NERC Standards TOP-001 and IRO-010 that address data availability within Control Centers
- Comments noted – new requirement should be addressed in TOP-001 and IRO-010 requirements, “redundancy” implications, “identification” vs “availability”
- Draft 2 is likely to be issued for ballot prior to Dec 2021

Project 2020-03 Supply Chain Low Impact SDT

- The NERC Board of Trustees approved the creation of a SDT to change CIP-003 to cover remote vendor access as well as detection of malicious communications for Low Impact BES Cyber Systems
- Ballot 1 closed Oct 11 - failed
- Comments – around detection of malicious communications – needs to be specific to “vendor remote communications” and be required “where possible”
- Draft 2 is likely to be issued for ballot prior to Dec 2021

Project 2021-03 SDT TOCC CIP-002

- CIP-002-6 was withdrawn. It proposed changes to criterion designating BES Cyber Systems at certain Transmission Owner Control Centers as either Low or Medium Impact.
- SDT nominations have closed
- NERC decided that further study on the impact of the proposed TOCC changes needed to be done. This is underway with entities within the WECC and TRE Regions
- This mostly affects entities within WECC and TRE . Both Regions currently have local guidelines covering the affected TOCCs

ieso
Connecting Today. Powering Tomorrow.

New CIP Requirements

CIP-013-1, CIP-005-6 and CIP-010-3 standards to address supply chain requirements came into effect Oct 1, 2020

CIP-008-6 changes to address reporting of attempted Cyber Security Incidents came into effect Jan 1, 2021

CIP-012-1 changes to address encryption of data communications for real-time monitoring and real-time assessment data will come into effect July 1, 2022

New CIP Requirements

Notes:

CIP-013-2, CIP-005-7 and CIP-010-4 to add EACMS and PACS to the supply chain requirements have been submitted for FERC approval. Likely effective date is mid-late 2023 (18 month implementation time)

CIP-004-7 and CIP-011-3 BCSI in the Cloud changes have been submitted to FERC for approval (Sept 15, 2021). Likely effective date is mid-late 2024 (24 month implementation time)

ieso
Connecting Today. Powering Tomorrow.

Thank You

ieso.ca

1.888.448.7777

customer.relations@ieso.ca

engagement@ieso.ca

@IESO_Tweets

facebook.com/OntarioIESO

linkedin.com/company/IESO

ieso
Connecting Today. Powering Tomorrow.