OCT 2021

NERC CIP Standards Update

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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

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 – is currently in ballot for Draft 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)

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
- The combined CIP-004 and CIP-011 changes will be submitted to FERC for approval shortly

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-001-4 and IRO-010 that address data availability within Control Centers
- 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
- A ballot for Draft 1 is in progress, closes October 11

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.

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 TRO Regions

SDT nominations have closed

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 to be submitted to FERC for approval . Likely effective date is mid-late 2024 (24 month implementation time)

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