APRIL 14, 2022

NERC CIP Standards Update

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Active NERC SDTs

Project 2016-02 CIP Mods SDT posted Draft 3 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 2 of proposed changes to CIP-012 to address FERC Order 866 – availability of communications links for real-time monitoring/ assessments.

Project 2020-03 SDT Supply Chain Low Impact SDT – Posted Ballot 2 of proposed changes associated with remote vendor access at Low Impact BES Cyber Systems

Active NERC SDTs

Project 2021-03 SDT TOCC CIP-002 – changes to address Transmission Owner Control Centers that perform functions of a Transmission Operator. NERC running BES security studies to determine appropriate impact rating methodology

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

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Project 2016-02 SDT CIP Modifications

- This project address changes to support virtualization and issues raised by the CIP V5 VTAG around External Routable Connectivity and Interactive Remote Access.
- Draft 3 was posted for ballot - closes April 11, 2022
- Definitions were updated to simplify the complexity of requirement changes
- Virtualization infrastructure in scope narrowed to only that which supports NERC related functions
- External Routable Connectivity and Interactive Remote Access more narrowly defined
- Move away from prescriptive baselines to objective language

Project 2020-04 CIP-012 Mods SDT

- This project adds availability requirements to the existing confidentiality and integrity requirements. This standard builds on NERC Standards TOP-001 and IRO-010 requirements that address data availability within Control Centers
- Draft 2 was posted for ballot - closed Jan 22, 2022 and failed = 34%
- Comments noted – "availability" needs a formal definition
- IESO voted to affirm Draft 2 because the wording allowed for flexibility on how availability is addressed (i.e. redundancy or other techniques) which might not be possible if "availability" is formally defined

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
- Draft 2 has been issued and has addressed many of the negative comments . Ballot for Draft 2 closes on April 15, 2022
- Detection of malicious communications – more onerous than Medium Impact, but is now specific to “vendor remote communications” – suggest further refining to “malicious network connectivity based communications”
- “Electronic vendor remote access” language is now consistent

Project 2021-03 SDT TOCC CIP-002

- CIP-002-6 was withdrawn in early 2021
- NERC has studies underway to determine the impact of any proposed TOCC changes
- This mostly affects entities within WECC and TRE . Both Regions currently have local guidelines covering the affected TOCCs

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New CIP Requirements

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

CIP-013-2, CIP-005-7 and CIP-010-4 standards to address supply chain requirements for PACS, EACMS comes into effect Oct 1, 2022

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)

Thank You

ieso.ca

1.888.448.7777

customer.relations@ieso.ca

engagement@ieso.ca

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