MARCH 11, 2021

NERC CIP Standards Update

RSSC Meeting

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Updates

2016-02 SDT CIP Modifications - Virtualization Update

2019-02 SDT BCSI Access Management ("BCSI in the Cloud")

2019-03 SDT Cyber Security Supply Chain Risks

CIP-008-6 Proposed Implementation Guidance

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Coordination Between CIP SDTs

In order to prevent confusion due to the large number of CIP Standards being changed placeholder numbering is being introduced:

BCSI Access Management SDT will be posting proposed changes as CIP-004-X and CIP-011-X

CIP Modifications - Virtualization SDT will be posting changes in the future as CIP-004-Y and CIP-011-Y

Both SDTs are anticipated to be completed by end of 2021

It is expected that the BCSI effort will be completed first and the Virtualization SDT will need to make conforming changes

2016-02 SDT CIP Modifications - Virtualization Update

Project 2016-02 SDT CIP Modifications - Withdrawal of Proposed NERC CIP Standard CIP-002-6

- CIP-002-6 included changes for TO Control Centers
- Petition for approval was submitted to FERC June 12, 2020
- Notice of Withdrawal was submitted Feb 16, 2021

".. In light of recent cybersecurity events (SolarWinds) and the evolving threat landscape, NERC asserts that additional caution is warranted regarding any criteria that may permit more entities to categorize BES Cyber Systems as low impact, such as the revisions proposed in CIP-002-6, and recommends further study…"

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…continued
Withdrawal of Proposed NERC CIP Standard CIP-002-6

What about the Existing Ballot for CIP-002-7 ?

- The proposed CIP-002-7 was built upon CIP-002-6
- Ballot for CIP-002-7 will proceed as posted
- On the next ballot of CIP-002-7, the previous TOCC changes that were proposed under CIP-002-6 will be reverted back to CIP-002-5.1a and the virtualization changes will be reapplied
- CIP-002-Y numbering sequence will likely be used in the future

…continued (2)
Withdrawal of Proposed NERC CIP Standard CIP-002-6

What is the future for TOCC Changes?

- Further study being done by NERC with entities within the WECC and TRO Regions
- Because much of the CIP-002 expertise has left the original 2016-02 SDT, it is likely TOCC changes will be proposed by a new SDT
- New SDT will likely be working under the existing or a modified SAR for Project 2016-02

Project 2016-02 SDT CIP Modifications – Virtualization Changes Schedule for 2021

- Initial posting Jan 22, 2021 of proposed changes to CIP-002 to CIP-011 as well as CIP-013. CIP-012 minor conforming changes will be left for the future Project 2020-04 SDT CIP-012 Modifications
- Initial ballots for the proposed standards due March 22, 2021
- Planned subsequent ballots May 11-June 24 and Aug 8-Sept 16
- Planned final ballot Oct 19-28, 2021
- Planned board adoption on Nov 4, 2021

Project 2016-02 SDT CIP Modifications – Virtualization

- Webinars outlining the proposed changes given on Feb 23 and Mar 3:
- "High Level of Change" to Definitions, CIP-005-7 and CIP-010-5
- "Moderate Level of Change" to CIP-002-7, CIP-004-7, CIP-006-7, CIP-007-7, CIP-011-3
- "Minor Level of Change" to CIP-003-9, CIP-008-7, CIP-009-7, CIP-013-3

Project 2016-02 SDT CIP Modifications – Virtualization

Discussed at Mar 10 IESO CIP Standards Sub Committee Meeting:

- Proposed virtualization related changes
- Low Impact BES Cyber Systems that wish to use virtualization may be impacted by off-site use of Shared Cyber Infrastructure (CIP-003-9) No backwards compatibility for V5TAG changes requested to Interactive Remote Access (IRA) and serial connectivity in proposed changes to CIP-005 Requirements R2 and R3
- In particular, Medium Impact BES Cyber Systems without External Routable Connectivity that have serial connection based IRA impacted with additional proposed changes to CIP-004 Requirements R2 to R5

Project 2019-02 SDT BCSI in the Cloud

Project 2019-02 SDT BCSI in the Cloud

- The Project 2019-02 SDT is scheduled to post Draft 3 during the week of March 22
- Draft 3 has been simplified by removing the proposed highly prescriptive technical requirements
- Comments received on Draft 2 have been incorporated
- It is anticipated that the 2019-02 SDT will be completed it's work prior the end of 2021 and likely ahead of the Project 2016-02 SDT

Project 2019-03 SDT Cyber Security Supply Chain Risks

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Project 2019-03 SDT Cyber Security Supply Chain Risks

NERC submitted its petition to FERC for approval of proposed Reliability Standards CIP-013-2, CIP-005-7, and CIP-010-4 addressing supply chain cybersecurity risk management on Dec 14, 2020

CIP-008-6 Cyber Security Incident Reporting - Proposed Implementation Guidance

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CIP-008-6 Cyber Security Incident Reporting - Proposed Implementation Guidance

- The Project 2018-02 SDT - Modifications to CIP-008 Cyber Security Incident Reporting produced proposed implementation guidance
- The initial draft was rejected for ERO endorsement
- Comments where incorporated and the 2nd draft was resubmitted
- In the interim, NERC produced a new policy on Implementation Guidance
- Draft 2 was rejected for ERO endorsement
- The 2018-02 SDT is awaiting further direction on the additional changes need (mostly minor in nature)

Questions ?

Thank You

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