

NERC

NORTH AMERICAN ELECTRIC
RELIABILITY CORPORATION

Project 2020-03 – Supply Chain Low Impact Revisions

Tony Hall – Chair (LG&E and KU Energy)

July 27, 2021

RELIABILITY | ACCOUNTABILITY



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Name	Organization/ Company
Tony Hall(Chair)	LG&E and KU Energy
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Joseph Gatten	Xcel Energy
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Barry Jones	WAPA
Roy Kiser	Southern Company
Ida Mauricio	CPS Energy
Karl Perman	CIP Corps
Harold Sherrill	RWE Renewables Americas
Jeffery Sweet	AEP

- Project 2020-03 Supply Chain Modifications for Low Impact
 - Kick off team meeting in March 2021
 - First draft completed in April 2021
 - Draft Language has been approved by the Standards Committee for posting
 - Projected posting date is August 23

- Attachment 1 changes – Adding Section 6
- **Section 6:** Vendor remote access: For assets containing low impact BES Cyber System(s) identified pursuant to CIP-002, the Responsible Entity shall implement a process to mitigate risks associated with vendor remote access (including interactive and system-to-system access) to low impact BES Cyber Systems that includes:
 - **6.1** Having one or more method(s) for determining vendor remote access sessions;
 - **6.2** Having one or more method(s) for detecting known or suspected malicious communications for both inbound and outbound communications; and
 - **6.3** Having one or more method(s) for disabling vendor remote access.



Questions and Answers



MIDWEST
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Project 2020-04 Update

CIP-012-2

“Availability” of RTA and RTM data

Robert Kracke, Chair, Project 2020-04 SDT

Project 2020-04 SDT

	Name	Entity
Chair	Robert Kracke	Southern Company
Standards Developer	Alison Oswald	North American Electric Reliability Corporation (NERC)
Members	Eric Howell	Southeastern Electric Reliability Corporation (SERC)
	Robert Melis	California Independent Systems Operator
	Joseph Gatten	Xcel Energy
	Derek Cherneski	Saskatchewan Power Corporation
	Jodi Jensen	Western Area Power Administration (WAPA)
	David Gatson	Arizona Public Service (APS)
	Christopher White	Duke Energy



Background

- 2017 – 2018 NERC Project 2016-02 drafted CIP-012-1
- January 23, 2020, the Federal Energy Regulatory Commission (FERC) issued Order No. 866 approving CIP-012-1
- The Order approving CIP-012 also included an additional directive
 - Develop one or more plan(s) to implement protections for the *availability* of communications links and data communicated between the Bulk Electric System (BES) Control Centers
 - Include recovery and continuity of operations in the CIP-012 plan
- NERC Project 2020-04 was started to work toward CIP-012-2
 - In the end, CIP-012 will cover Confidentiality, Integrity, and Availability of RTA and RTM data while in motion between applicable Control Centers



Availability

- **What is it?**

- *Availability* is “Ensuring timely and reliable access to and use of information”
- Borrowed from [NIST SP 800-59](#) under *Availability* from [44 U.S.C., Sec. 3542 \(b\)\(1\)\(C\)](#)



Project 2020-04 Status

- **SAR approved December 09, 2020**
- **Draft 1 language, ballot and non-binding poll closed 06/09/21**
- **Now reviewing comments, drafting a response and revising language based on feedback**
 - Working to incorporate *availability* language into existing R1 language – “see if it fits”
 - Revising Technical Rationale
 - Drafting Implementation Guidance – examples including redundancy, diversity or combination of both
 - Redundancy: providing multiple protected instances of critical resources
 - Diversity: using heterogeneity to minimize common mode failures



Next Steps

- **Respond to comments**
 - Lots of great, actionable comments
 - Keep them coming!
- **Modifications based on comments**
 - Expand Implementation Guidance
 - Adjust Technical Rationale
 - Revised CIP-012 Requirement language
- **Looking toward early Q4 for second posting**
 - Coordinating timing with other Projects also posting



Questions?



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