network perception

Have you Prepared the Right Evidence for your Upcoming Audit

+1 (872) 245-4100

info@network-perception.com

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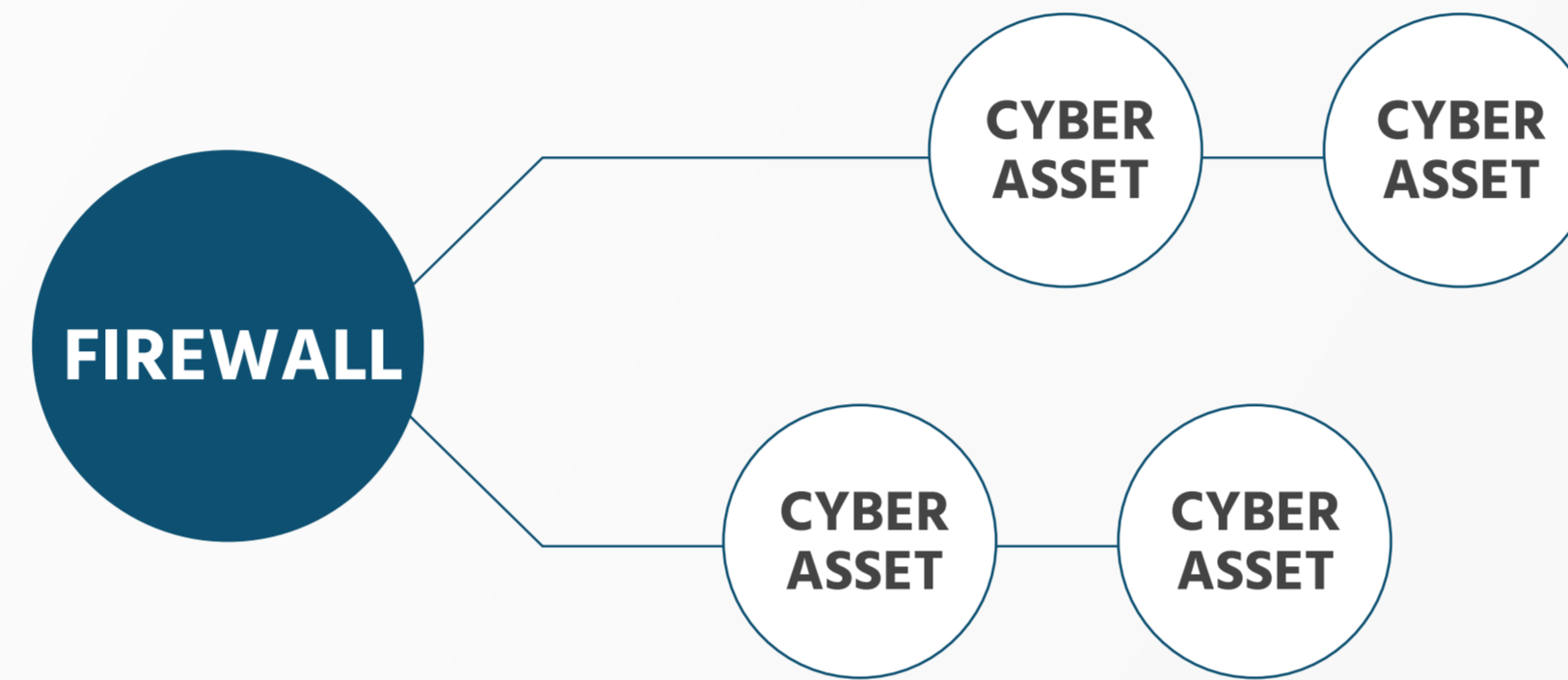
Why being Compliant
is important:

NERC CIP compliance is important for ensuring the **reliability** and **security** of the electric grid, meeting regulatory requirements, and improving risk management practices.

Compliance teams in charge of verifying network configurations are meeting the dual challenge of highly technical and dynamic environments. On the one hand, networks are becoming larger and more complex. On the other hand, organizations are continuously evolving their technology, use cases, and personnel. As a result, disruptions can impact the ability of compliance teams to ensure that their regulatory framework is properly followed.

NERC CIP
ESP Requirements

ELECTRONIC SECURITY PERIMITER

BES CYBER ASSET

CYBER ASSET

CYBER ASSET

CYBER ASSET

FIREWALL

CYBER ASSET

CYBER ASSET

CYBER ASSET

CYBER ASSET

CIP-002 R1: Identify each of the medium and high impact bulk electronic system cyber assets.

CIP-005 R1.2: All External Routable Connectivity must be through an identified Electronic Access Point (EAP).

CIP-005 R2.1: Utilize an Intermediate Syatem such that Cyber Asset initiating Interactive Remote Access does not directly accessanapplicable Cyber Asset.

CIP-005 R1.1: All applicable Cyber Assets connected to a network via a routable protocal shall reside within a defined ESP.

CIP-005 R1.3: Require inbound and outbound access permissions, including the reason for granting access, and deny all other access by default.

CIP-005 R2.2: Interactive Remote Access sessions must be encrypted to the Intermediate System to protect the confidentiality and integrity of the communications.

Compliance with
NERC CIP Reliability Standards

Compliance with NERC CIP Reliability standards requires electric utilities to adopt precise procedures and verify their implementation. Here are ways to help you with preparing the proper documentation, compiling the right evidence and artifacts, along with being more efficient, ultimately giving you more confidence going into your upcoming audit, while being compliant.

1

Develop and maintain robust policies and procedures:

Compliance with NERC CIP Reliability standards requires electric utilities to adopt precise procedures and verify their implementation. Here are ways to help you with preparing the proper documentation, compiling the right evidence and artifacts, along with being more efficient, ultimately giving you more confidence going into your upcoming audit, while being compliant

2

Conduct regular internal assessments:

Conduct regular internal assessments to identify gaps in your compliance program and to address any issues before they become a problem. Ensure that your assessments cover all relevant areas of your compliance program, including physical security, cyber security, and training.

3

Conduct regular training and awareness programs:

Train your employees on the NERC CIP requirements and conduct regular awareness programs to keep them up to date with any changes in the regulations. Ensure that your employees are aware of the importance of compliance and understand the consequences of non-compliance.

Compliance with
NERC CIP Reliability Standards (cont)
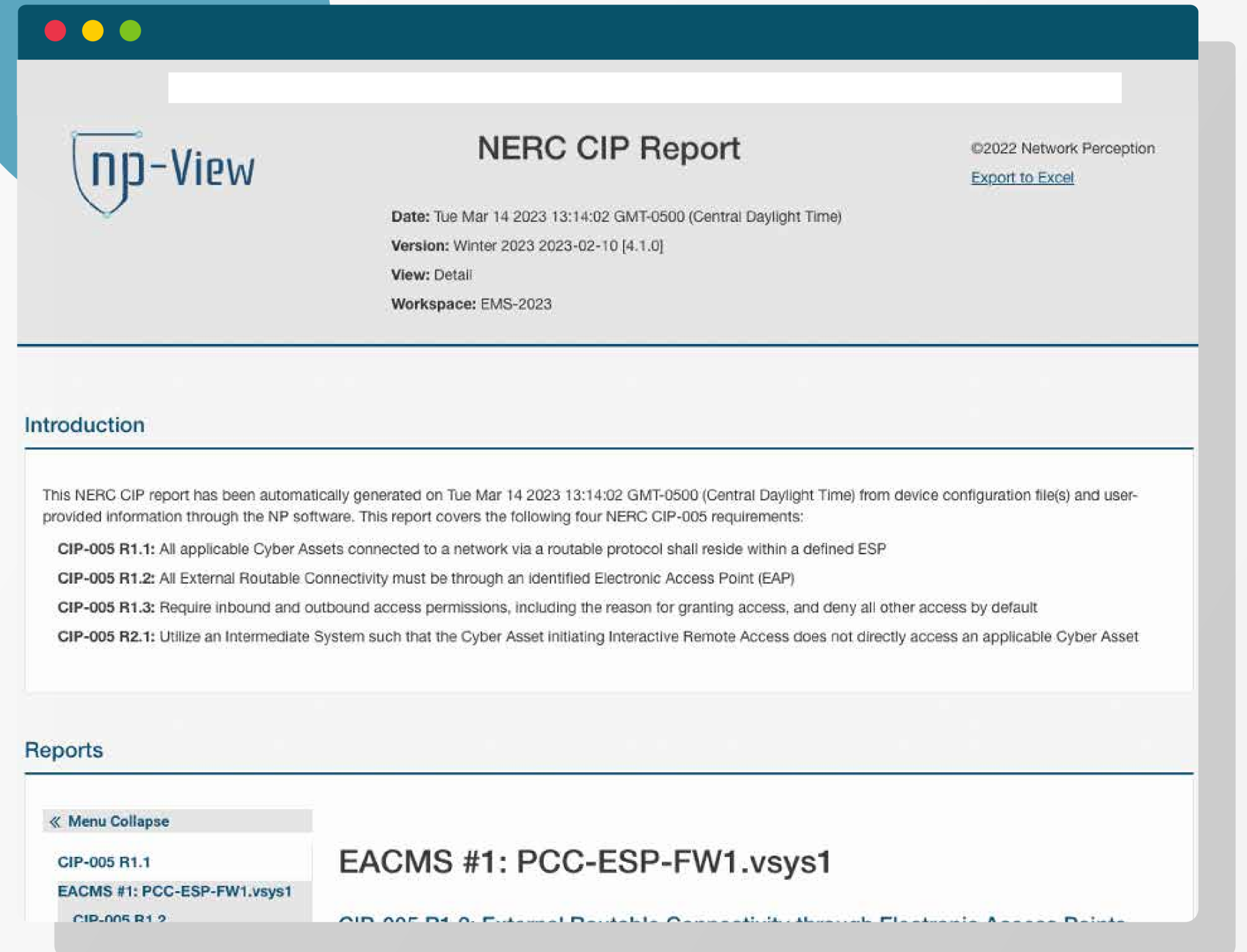
4

Conduct regular testing and monitoring:

Test your compliance program regularly to ensure that it is working effectively and identify any potential vulnerabilities. Monitor your systems and networks for any unusual activity and respond quickly to any potential threats or incidents.

5

Document everything:

Document all your compliance activities, including policies, procedures, training, assessments, and testing. Keep accurate records and ensure that they are easily accessible in case of an audit.

CIP 005 Audit Report

np-View

NERC CIP Report

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Export to Excel

Date: Tue Mar 14 2023 13:14:02 GMT-0500 (Central Daylight Time)
Version: Winter 2023 2023-02-10 [4.1.0]
View: Detail
Workspace: EMS-2023

Introduction

This NERC CIP report has been automatically generated on Tue Mar 14 2023 13:14:02 GMT-0500 (Central Daylight Time) from device configuration file(s) and user-provided information through the NP software. This report covers the following four NERC CIP-005 requirements:

CIP-005 R1.1: All applicable Cyber Assets connected to a network via a routable protocol shall reside within a defined ESP

CIP-005 R1.2: All External Routable Connectivity must be through an identified Electronic Access Point (EAP)

CIP-005 R1.3: Require inbound and outbound access permissions, including the reason for granting access, and deny all other access by default

CIP-005 R2.1: Utilize an Intermediate System such that the Cyber Asset initiating Interactive Remote Access does not directly access an applicable Cyber Asset

Reports

« Menu Collapse

CIP-005 R1.1
EACMS #1: PCC-ESP-FW1.vsys1
CIP-005 R1.2

EACMS #1: PCC-ESP-FW1.vsys1

NP-View can be a valuable tool for NERC CIP Reliability Standards

1 Compliance Assessment:

NP-View can conduct automated assessments of your compliance with NERC CIP requirements, providing you with a detailed report of your compliance status. This can help you identify any gaps in your compliance program and take corrective action before an audit.

2 Evidence Collection:

NP-View can collect and store audit evidence automatically, including device configurations and change logs. This can help you prepare for an audit more efficiently, reduce the time and effort required to collect evidence manually, and reduce the risk of human errors.

3 Reporting:

NP-View can generate comprehensive reports on your compliance status, including compliance gaps, evidence collection, and audit trail reports. These reports can help you demonstrate your compliance with NERC CIP requirements to auditors.

Access Policy Review

Manual

Automated

NP network perception

NP-View can help you simplify the compliance process, reduce the risk of non-compliance, and prepare for audits more efficiently. It can also provide valuable insights into your network security posture and help you identify potential vulnerabilities before they become a problem.

SECURING THE
Connected World

📞 **+1 (872) 245-4100**

✉️ **info@network-perception.com**

🌐 **https://network-perception.com**

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