

This appendix establishes modifications to the FERC approved NERC standard CIP-010-2 for its specific application in New Brunswick. This appendix must be read with CIP-010-2 to determine a full understanding of the requirements of the standard for New Brunswick. Where the standard and appendix differ, the appendix shall prevail.

For the purpose of this standard the term "Bulk Electric System" and its acronym, "BES" shall mean the "bulk power system" (BPS) as defined in the New Brunswick Reliability Standards Regulation - Electricity Act.

The term "BES Cyber Asset" as used in this Appendix or CIP-010-2 means "BPS Cyber Asset" as defined in section G.

The term "BES Cyber System" as used in this Appendix or CIP-010-2 means "BPS Cyber System" as defined in section G.

The term "BES Cyber System Information" as used in this Appendix or CIP-010-2 means "BPS Cyber System Information" as defined in section G.

## A. Introduction

1. **Title:** Cyber Security – Configuration Change Management and Vulnerability Assessments
2. **Number:** CIP-010-2
3. **Purpose:** No New Brunswick modifications
4. **Applicability:**
  - 4.1. **Functional Entities:** No New Brunswick modifications
    - 4.1.1 **Balancing Authority**
    - 4.1.2 **Distribution Provider** No New Brunswick modifications
      - 4.1.2.1 No New Brunswick modifications
        - 4.1.2.1.1 is part of a Load shedding program that is subject to one or more requirements in a New Brunswick Energy and Utilities Board approved reliability standard or Regional Reliability Standard; and

**4.1.2.1.2** No New Brunswick modifications

**4.1.2.2** Each Special Protection System (SPS) or Remedial Action Scheme (RAS) where the SPS or RAS is subject to one or more requirements in a New Brunswick Energy and Utilities Board approved reliability standard or Regional Reliability Standard.

**4.1.2.3** Each Protection System (excluding UFLS and UVLS) that applies to Transmission where the Protection System is subject to one or more requirements in a New Brunswick Energy and Utilities Board approved reliability standard or Regional Reliability Standard.

**4.1.2.4** No New Brunswick modifications

**4.1.3** Generator Operator

**4.1.4** Generator Owner

**4.1.5** Interchange Coordinator or Interchange Authority

**4.1.6** Reliability Coordinator

**4.1.7** Transmission Operator

**4.1.8** Transmission Owner

**4.2. Facilities:** No New Brunswick modifications

**4.2.1 Distribution Provider:** No New Brunswick modifications

**4.2.1.1** No New Brunswick modifications

**4.2.1.1.1** is part of a Load shedding program that is subject to one or more requirements in a New Brunswick Energy and Utilities Board approved reliability standard or Regional Reliability Standard; and

**4.2.1.1.2** No New Brunswick modifications

**4.2.1.2** Each SPS or RAS where the SPS or RAS is subject to one or more requirements in a New Brunswick Energy and Utilities

Board approved reliability standard or Regional Reliability Standard.

**4.2.1.3** Each Protection System (excluding UFLS and UVLS) that applies to Transmission where the Protection System is subject to one or more requirements in a New Brunswick Energy and Utilities Board approved reliability standard or Regional Reliability Standard.

**4.2.1.4** No New Brunswick modifications

**4.2.2 Responsible Entities listed in 4.1 other than Distribution Providers:**

No New Brunswick modifications

**4.2.3 Exemptions:** No New Brunswick modifications

**4.2.3.1** No New Brunswick modifications

**4.2.3.2** No New Brunswick modifications

**4.2.3.3** No New Brunswick modifications

**4.2.3.4** No New Brunswick modifications

**4.2.3.5** No New Brunswick modifications

**5. Effective Dates:**

No New Brunswick modifications

**6. Background:**

No New Brunswick modifications

NB Appendix  
CIP-010-2-NB-0 – Cyber Security – Configuration Change Management and Vulnerability Assessments

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**B. Requirements and Measures**

**R1.** No New Brunswick modifications

**M1.** No New Brunswick modifications

| CIP-010-2 Table R1 – Configuration Change Management |                                |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |                                |
|------------------------------------------------------|--------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------|
| Part                                                 | Applicable Systems             | Requirements                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | Measures                       |
| 1.1                                                  | No New Brunswick modifications | No New Brunswick modifications                                                                                                                                                                                                                                                                                                                                                                                                                                                             |                                |
| 1.2                                                  |                                |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |                                |
| 1.3                                                  |                                |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |                                |
| 1.4                                                  |                                |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |                                |
| 1.5                                                  | No New Brunswick modifications | <p>Where technically feasible, for each change that deviates from the existing baseline configuration:</p> <p>1.5.1. No New Brunswick modifications.</p> <p>1.5.2. No New Brunswick modifications</p> <p>Where not technically feasible a Responsible Entity shall request an exception from strict compliance and comply with the New Brunswick Energy and Utilities Board procedure “Technical Feasibility Exceptions for Critical Infrastructure Protection Reliability Standards”.</p> | No New Brunswick modifications |

**NB Appendix**  
**CIP-010-2-NB-0 – Cyber Security – Configuration Change Management and Vulnerability Assessments**

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**R2.** No New Brunswick modifications

**M2.** No New Brunswick modifications

| CIP-010-2 Table R2 – Configuration Monitoring |                                |              |          |
|-----------------------------------------------|--------------------------------|--------------|----------|
| Part                                          | Applicable Systems             | Requirements | Measures |
| 2.1                                           | No New Brunswick modifications |              |          |

**R3.** No New Brunswick modifications

**M3.** No New Brunswick modifications

| CIP-010-2 Table R3 – Vulnerability Assessments |                                |                                                                                                                                                                                                                                                                                                                                                                                                                                                          |                                |
|------------------------------------------------|--------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------|
| Part                                           | Applicable Systems             | Requirements                                                                                                                                                                                                                                                                                                                                                                                                                                             | Measures                       |
| 3.1                                            | No New Brunswick modifications |                                                                                                                                                                                                                                                                                                                                                                                                                                                          |                                |
| 3.2                                            | No New Brunswick modifications | <p>Where technically feasible, at least once every 36 calendar months:</p> <p>3.2.1 No New Brunswick modifications</p> <p>3.2.2 No New Brunswick modifications.</p> <p>Where not technically feasible a Responsible Entity shall request an exception from strict compliance and comply with the New Brunswick Energy and Utilities Board procedure “Technical Feasibility Exceptions for Critical Infrastructure Protection Reliability Standards”.</p> | No New Brunswick modifications |
| 3.3                                            | No New Brunswick modifications |                                                                                                                                                                                                                                                                                                                                                                                                                                                          |                                |
| 3.4                                            |                                |                                                                                                                                                                                                                                                                                                                                                                                                                                                          |                                |

**R4.** No New Brunswick modifications

**M4.** No New Brunswick modifications

**C. Compliance**

**1. Compliance Monitoring Process:**

**1.1. Compliance Enforcement Authority:**

“Compliance Enforcement Authority” (CEA) means the New Brunswick Energy and Utilities Board.

**1.2. Evidence Retention:**

**1.3. Compliance Monitoring and Assessment Processes:**

No New Brunswick modifications

**1.4. Additional Compliance Information:**

No New Brunswick modifications

NB Appendix  
CIP-010-2-NB-0 – Cyber Security – Configuration Change Management and Vulnerability  
Assessments

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2. Table of Compliance Elements

| R # | Time Horizon                   | VRF | Violation Severity Levels (CIP-010-2) |              |          |            |
|-----|--------------------------------|-----|---------------------------------------|--------------|----------|------------|
|     |                                |     | Lower VSL                             | Moderate VSL | High VSL | Severe VSL |
| R1  | No New Brunswick modifications |     |                                       |              |          |            |
| R2  |                                |     |                                       |              |          |            |
| R3  |                                |     |                                       |              |          |            |
| R4  |                                |     |                                       |              |          |            |

**D. Regional Variances**

No New Brunswick modifications

**E. Interpretations**

No New Brunswick modifications

**F. Associated Documents**

No New Brunswick modifications

**G. New Brunswick Definitions**

**BPS Cyber Asset:** A Cyber Asset that if rendered unavailable, degraded, or misused would, within 15 minutes of its required operation, misoperation, or nonoperation, adversely impact one or more Facilities, systems, or equipment, which, if destroyed, degraded, or otherwise rendered unavailable when needed, would affect the reliable operation of the bulk power system. Redundancy of affected Facilities, systems, and equipment shall not be considered when determining adverse impact. Each BPS Cyber Asset is included in one or more BPS Cyber Systems.

**BPS Cyber System:** One or more BPS Cyber Assets logically grouped by a responsible entity to perform one or more reliability tasks for a functional entity.

**BPS Cyber Information:** Information about the BPS Cyber System that could be used to gain unauthorized access or pose a security threat to the BPS Cyber System. BPS Cyber System Information does not include individual pieces of information that by themselves do not pose a threat or could not be used to allow unauthorized access to BPS Cyber Systems, such as, but not limited to, device names, individual IP addresses without context, ESP names, or policy statements. Examples of BPS Cyber System Information may include, but are not limited to, security procedures or security information about BPS Cyber Systems, Physical Access Control Systems, and Electronic Access Control or Monitoring Systems that is not publicly available and could be used to allow

**NB Appendix**  
**CIP-010-2-NB-0 – Cyber Security – Configuration Change Management and Vulnerability Assessments**

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unauthorized access or unauthorized distribution; collections of network addresses; and network topology of the BPS Cyber System.

**Version History (maintained by NBEUB)**

| Version | NBEUB Approval Date | NB Appendix Effective Date | Change Tracking                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | Comments                        |
|---------|---------------------|----------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------|
| 0       | 09/07/16            | 01/01/17                   | <ul style="list-style-type: none"><li>1. Bulk Electric System(BES)replaced with “bulk power system” throughout</li><li>2. Revised Section A to replace “NERC” with “New Brunswick Energy and Utilities Board approved reliability standard”</li><li>3. Revised Section C to clarify the NBEUB as the entity having the compliance enforcement authority for NB</li><li>4. Revised the Guidelines to remove reference to NERC for functional entities</li><li>5. Add a requirement to comply with the NBEUB Board approved Technical Feasibility Exception (TFE) process in R1 and R3 where strict adherence to the</li></ul> | Approved Under NBEUB Matter 325 |

**NB Appendix**  
**CIP-010-2-NB-0 – Cyber Security – Configuration Change Management and Vulnerability Assessments**

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|   |          |          |                                                                  |                                                                              |
|---|----------|----------|------------------------------------------------------------------|------------------------------------------------------------------------------|
|   |          |          | requirement is not technically feasible.                         |                                                                              |
| 0 | 09/07/16 | 01/01/17 | 1. On 09/30/16 corrected the effective date for the NB Appendix. | Effective Dates:<br><br>R1, R2, R3<br><br>01/01/17<br><br>R4<br><br>09/01/17 |
| 0 | 09/07/16 | 01/01/17 | 1. On 04/11/17 corrected the effective date for the NB Appendix. | Effective Dates:<br><br>R1, R2, R3<br><br>01/01/17<br><br>R4<br><br>10/01/17 |

**CIP-010-2 - Attachment 1**

**Required Sections for Plans for Transient Cyber Assets and Removable Media**

No New Brunswick modifications

**CIP-010-2 - Attachment 2**

**Examples of Evidence for Plans for Transient Cyber Assets and Removable Media**

No New Brunswick modifications

## Guidelines and Technical Basis

### Section 4 – Scope of Applicability of the CIP Cyber Security Standards

No New Brunswick modifications

Section “4.1. Functional Entities” is a list of functional entities to which the standard applies. If the entity is registered as one or more of the functional entities listed in Section 4.1, then the CIP Cyber Security Standards apply. Note that there is a qualification in Section 4.1 that restricts the applicability in the case of Distribution Providers to only those that own certain types of systems and equipment listed in 4.2.

No New Brunswick modifications

#### **Requirement R1:**

No New Brunswick modifications

#### **Requirement R2:**

No New Brunswick modifications

#### **Requirement R3:**

No New Brunswick modifications

#### **Requirement R4:**

No New Brunswick modifications

## Rationale:

No New Brunswick modifications