

This appendix establishes modifications to the FERC approved NERC standard CIP-005-6 for its specific application in New Brunswick. This appendix must be read with CIP-005-6 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" as defined in the New Brunswick *Reliability Standards Regulation - Electricity Act*.

The term "BES Cyber Asset" as used in this Appendix or CIP-005-6 means "BPS Cyber Asset" as defined in section F.

The term "BES Cyber System" as used in this Appendix or CIP-005-6 means "BPS Cyber System" as defined in section F.

A. Introduction

- 1. Title:** Cyber Security — Electronic Security Perimeter(s)
- 2. Number:** CIP-005-6
- 3. Purpose:** No New Brunswick modifications
- 4. Applicability:**
 - 4.1. Functional Entities:** No New Brunswick modifications
 - 4.1.1** No New Brunswick modifications
 - 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 Remedial Action Scheme (RAS) where the 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 No New Brunswick modifications

4.1.4 No New Brunswick modifications

4.1.5 No New Brunswick modifications

4.1.6 No New Brunswick modifications

4.1.7 No New Brunswick modifications

4.1.8 No New Brunswick modifications

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 RAS where the 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 Date

April 1, 2021

6. Background:

No New Brunswick modifications

NB Appendix
CIP-005-6-NB-1 - Cyber Security — Electronic Security Perimeter(s)

B. Requirements and Measures

R1. No New Brunswick modifications

M1. No New Brunswick modifications

CIP-005-6 Table R1 – Electronic Security Perimeter			
Part	Applicable Systems	Requirements	Measures
1.1	No New Brunswick modifications		
1.2			
1.3			
1.4	No New Brunswick modifications	Where technically feasible, perform authentication when establishing Dial-up Connectivity with applicable Cyber Assets. 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”.	No New Brunswick modifications
1.5	No New Brunswick modifications		

NB Appendix
CIP-005-6-NB-1 - Cyber Security – Electronic Security Perimeter(s)

- R2.** Each Responsible Entity shall implement one or more documented processes that collectively include the applicable requirement parts, where technically feasible, in CIP-005-6 Table R2 –Remote Access Management. [Violation Risk Factor: Medium] [Time Horizon: Operations Planning and Same Day Operations].

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”.

- M2.** No New Brunswick modifications

CIP-005-6 Table R2 –Remote Access Management			
Part	Applicable Systems	Requirements	Measures
2.1			
2.2			
2.3			
2.4			
2.5			

C. Compliance

1. Compliance Monitoring Process:

1.1. Compliance Enforcement Authority:

No New Brunswick modifications

1.2. Evidence Retention:

No New Brunswick modifications

1.3. Compliance Monitoring and Enforcement Program:

“Compliance Monitoring and Enforcement Program” refers to the identification of the processes that will be used to evaluate data or information for the purpose of assessing performance or outcomes with the associated Reliability Standard as set out in the New Brunswick Compliance Monitoring and Enforcement Program.

NB Appendix
CIP-005-6-NB-1 - Cyber Security – Electronic Security Perimeter(s)

Violation Severity Levels

R #	Violation Severity Levels (CIP-005-6)			
	Lower VSL	Moderate VSL	High VSL	Severe VSL
R1	No New Brunswick modifications			
R2				

D. Regional Variances

No New Brunswick modifications

E. Associated Documents

No New Brunswick modifications

F. 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 non-operation, 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.

Version History (maintained by NBEUB)

Version	NBEUB Approval Date	NB Appendix Effective Date	Change Tracking	Comments
0	05/15/19	01/01/21	1. Bulk Electric System (BES) replaced with “bulk power system” throughout 2. Revised Section A to replace “NERC” with “New Brunswick Energy and Utilities Board approved reliability standard” 3. Revised the Guidelines to remove reference to NERC for functional entities 4. Add a requirement to comply with the NBEUB Board approved Technical Feasibility Exception (TFE) process in R1 and R2 where strict adherence to the requirement is not technically feasible. 5. Where the acronym “BES” is used in a term that is defined in the NERC Glossary of Terms it is redefined as a New Brunswick specific definition.	Approved by NBEUB under Matter 434.

NB Appendix
CIP-005-6-NB-1 - Cyber Security – Electronic Security Perimeter(s)

			6. Add NB definitions for BPS Cyber System and BPS Cyber Assets. 7. Replace references to the NERC Rules of Procedure with the NB CMEP.	
1	08/19/20	04/01/21	Updated the deferred effective dates based on New Brunswick implementation of <<Cyber Security – Electronic Security Perimeter(s) PRC-005-6.>>	Approved by NBEUB, Matter 472.

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. Furthermore,

No New Brunswick modifications

Requirement R1:

No New Brunswick modifications

Requirement R2:

No New Brunswick modifications

Rationale:

Rationale for R1:

No New Brunswick modifications

Rationale for R2:

No New Brunswick modifications