

NB Appendix
CIP-004-6-NB-o - Cyber Security — Personnel & Training

This appendix establishes modifications to the FERC approved NERC standard CIP-004-6 for its specific application in New Brunswick. This appendix must be read with CIP-004-6 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" (BPS) as defined in the New Brunswick *Reliability Standards Regulation - Electricity Act*.

The term "BES Cyber Asset" as used in this Appendix or CIP-004-6 means "BPS Cyber Asset" as defined in section G.

The term "BES Cyber System" as used in this Appendix or CIP-004-6 means "BPS Cyber System" as defined in section G.

The term "BES Cyber System Information" as used in this Appendix or CIP-004-6 means "BPS Cyber System Information" as defined in section G.

A. Introduction

1. **Title:** Cyber Security — Personnel & Training
2. **Number:** CIP-004-6
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. 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

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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

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B. Requirements and Measures

R1. No New Brunswick modifications

M1. No New Brunswick modifications

CIP-004-6 Table R1 – Security Awareness Program			
Part	Applicable Systems	Requirements	Measures
1.1	No New Brunswick modifications		

R2. No New Brunswick modifications

M2. No New Brunswick modifications

CIP-004-6 Table R2 – Cyber Security Training Program			
Part	Applicable Systems	Requirements	Measures
2.1	No New Brunswick modifications		
2.2			
2.3			

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R3. No New Brunswick modifications

M3. No New Brunswick modifications

CIP-004-6 Table R3 – Personnel Risk Assessment Program			
Part	Applicable Systems	Requirements	Measures
3.1	No New Brunswick modifications		
3.2			
3.3			
3.4			
3.5			

R4. No New Brunswick modifications

M4. No New Brunswick modifications

CIP-004-6 Table R4 – Access Management Program			
Part	Applicable Systems	Requirements	Measures
4.1	No New Brunswick modifications		
4.2			
4.3			
4.4			

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R5. No New Brunswick modifications

M5. No New Brunswick modifications

CIP-004-6 Table R5 – Access Revocation			
Part	Applicable Systems	Requirements	Measures
5.1	No New Brunswick modifications		
5.2			
5.3			
5.4			
5.5			

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:

No New Brunswick modifications

1.3. Compliance Monitoring and Assessment Processes:

No New Brunswick modifications

1.4. Additional Compliance Information:

No New Brunswick modifications

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2. Table of Compliance Elements

R #	Time Horizon	VRF	Violation Severity Levels (CIP-004-6)			
			Lower VSL	Moderate VSL	High VSL	Severe VSL
R1	No New Brunswick modifications					
R2						
R3						
R4						
R5						

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

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

Version History (maintained by the NBEUB)

Version	NBEUB Approval Date	NB Appendix Effective Date	Change Tracking	Comments
o	09/07/16	01/01/17	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 Section C to clarify the NBEUB as the entity having the compliance enforcement authority for NB 4. Revised the Guidelines to remove reference to NERC for functional entities	Approved Under NBEUB Matter 325

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 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

Requirement R5:

No New Brunswick modifications

Scenario	Possible Process
No New Brunswick modifications	

Rationale:

No New Brunswick modifications