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## Project QC-2019-05

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### CIP-003-8 – Cyber Security – Security Management Controls

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#### 1. OVERVIEW OF THE STANDARD

##### 1.1. Applicability

###### Functions covered:

- Generator Operator (GOP)
- Generator Owner (GO)
- Balancing Authority (BA)
- Reliability Coordinator (RC)
- Transmission Operator (TOP)
- Transmission Owner (TO)
- Certain Distribution Providers (DP)

###### Facilities covered:

- RTP facilities that meet the criteria established in the “Applicability” section.
- Specific facilities for Distribution Providers<sup>1</sup>

##### 1.2. Purpose of the Reliability Standard

The purpose of the CIP-003 standard is to specify consistent and sustainable security management controls that establish responsibility and accountability to protect BES Cyber Systems against compromise that could lead to misoperation or instability in the Bulk Electric System (BES)

##### 1.3. Regulatory Context

CIP-003-6 is currently in effect in Québec. The Régie de l'énergie (hereinafter “the Régie”) adopted CIP-003-7 and its appendix in Decision D-2019-033<sup>2</sup>. The standard comes into effect on January 1, 2020.

The NERC Board of Trustees adopted CIP-003-8 on May 9<sup>th</sup>, 2019. FERC subsequently approved the standard on July 31<sup>st</sup>, 2019 in Docket No. RD19-5-000.<sup>3</sup>

##### 1.4. Specific Provisions for Québec

The Reliability Coordinator (hereinafter called “the Coordinator”) is proposing to renew the Québec specific provisions, particularly in the applicability and the specific provisions already adopted by the Régie in its ruling D-2016-119, which exempts certain facilities and their step-up substation. The standards apply to the facilities of the Main Transmission System (RTP) and to the facilities specified for the Distribution Provider. In addition, the following specific provisions apply:

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<sup>1</sup> See section “Applicability” in the CIP standards for details concerning the applicability of the Distribution Providers

<sup>2</sup> Régie de l'Énergie, Decision D-2019-033, consulted online on October 8th, 2019, at: [http://publicsde.regie-energie.qc.ca/projets/461/DocPrj/R-4050-2018-A-0014-Dec-Dec-2019\\_03\\_15.pdf](http://publicsde.regie-energie.qc.ca/projets/461/DocPrj/R-4050-2018-A-0014-Dec-Dec-2019_03_15.pdf)

<sup>3</sup> FERC, Docket No. RD19-5-000, consulted online on October 9th, 2019, at <https://www.nerc.com/FilingsOrders/us/FERCOrdersRules/RD19-5-000%20Letter%20Order%20CIP-003-8.pdf>

- Any generating facility and its step-up substation that meets the two following conditions (1) the nameplate capacity of the facility is 300 MVA or less, and (2) no unit of the facility can be synchronized with a neighbouring system are exempt from the standards.
- Step-up substations of generating facilities identified in the preceding point are exempt.

### 1.5. Proposed Effective Dates

The CIP-003-8 standard will come into effect in the United States on April 1, 2020. In the United States, the NERC Implementation Plan<sup>4</sup> allows for a period of six months between regulatory approval and the implementation of the standard.

In Québec, the Coordinator proposes an effective date which is six months after the adoption of the CIP-003-8 standard by the Régie.

### 1.6. Standards or Requirements to Retire

The CIP-003-7 standard is to be retired when CIP-003-8 comes into effect.

### 1.7. Modifications to the Glossary

The coming into effect of the standards is contingent upon the changes to the definitions of the terms Remedial Action Scheme and Special Protection System as requested to the Régie in docket R-4070-2018.

## 2. ASSESSMENT OF RELEVANCE

The modifications made to Attachment 1, Section 5.2 of the CIP-003-8 standard address the objectives detailed in FERC Order 843 including its concerns that responsible entities implement controls to mitigate the risk of malicious code that could result from a third-party transient electronic devices. These modifications are as relevant to Québec as to the rest of North America.

In accordance with the agreement made in 2009 between the Régie, NERC and the NPCC and with the authorization of the Québec government,<sup>5</sup> this standard was developed and approved by external agencies for North America, including Québec. In the opinion of the Reliability Coordinator, this standard is relevant for system reliability in Québec and the standard contributes to harmonization with neighboring systems.

## 3. PRELIMINARY IMPACT ASSESSMENT

This section presents the Reliability Coordinator's preliminary impact assessment.

	Low	Moderate	High
Implementation of the standard	X		
Enforcement of the standard	X		
Compliance monitoring	X		

<sup>4</sup> NERC Implementation Plan, consulted online on October 9th, 2019, at:  
[https://www.nerc.com/pa/Stand/Project%20201602%20Modifications%20to%20CIP%20Standards%20DL/2016-02\\_CIP\\_003-8\\_Implementation\\_Plan\\_Clean\\_04182019.pdf](https://www.nerc.com/pa/Stand/Project%20201602%20Modifications%20to%20CIP%20Standards%20DL/2016-02_CIP_003-8_Implementation_Plan_Clean_04182019.pdf)

<sup>5</sup> Agreement entered into in accordance with Order-in-Council 443-21009 dated April 8, 2019.

**Legend:**

- Low:** Normal industry practice that only requires minor adjustments to existing processes or practices.
- Moderate:** Change that requires allocation of some physical, human or financial resources to implement the proposed standard, maintain it or monitor its compliance.
- High:** Change that requires allocation of significant physical, human or financial resources to plan and implement the proposed standard, maintain it or monitor its compliance.

**4. FINAL IMPACT ASSESSMENT**

This section shall be completed upon receipt of the impact assessment forms and at the conclusion of the consultation process prior to filing of reliability standards with the Régie de l'énergie.