
THE MANITOBA HYDRO ACT
(C.C.S.M. c. H190)

Reliability Standards Regulation, amendment

Regulation 146/2020
Registered December 17, 2020

Manitoba Regulation 25/2012 amended

1 The *Reliability Standards Regulation*, Manitoba Regulation 25/2012, is amended by this regulation.

2 Schedule 1 is replaced with Schedule 1 to this regulation.

Coming into force

3 This regulation comes into force on January 1, 2021.

LOI SUR L'HYDRO-MANITOBA
(c. H190 de la C.P.L.M.)

Règlement modifiant le Règlement sur les normes de fiabilité

Règlement 146/2020
Date d'enregistrement : le 17 décembre 2020

Modification du R.M. 25/2012

1 Le présent règlement modifie le *Règlement sur les normes de fiabilité*, R.M. 25/2012.

2 L'annexe 1 est remplacée par l'annexe 1 du présent règlement.

Entrée en vigueur

3 Le présent règlement entre en vigueur le 1^{er} janvier 2021.

SCHEDULE 1
(Section 2)

RELIABILITY STANDARDS

Standard Number	Standard Name	Effective Date
BAL-001-2	Real Balancing Control Performance	July 1, 2017
BAL-002-3	Disturbance Control Standard — Contingency Reserve for Recovery from a Balancing Contingency Event	January 1, 2021
BAL-003-1.1	Frequency Response and Frequency Bias Setting	July 1, 2017
BAL-005-1	Balancing Authority Control	January 1, 2021
CIP-002-5.1a	Cyber Security — BES Cyber System Categorization	July 1, 2018
CIP-003-6 (Excl. R2)	Cyber Security — Security Management Controls	July 1, 2017
CIP-004-6	Cyber Security — Personnel & Training	July 1, 2017
CIP-005-5	Cyber Security — Electronic Security Perimeter(s)	July 1, 2017
CIP-006-6	Cyber Security — Physical Security of BES Cyber Systems	July 1, 2017
CIP-007-6	Cyber Security — System Security Management	July 1, 2017
CIP-008-5	Cyber Security — Incident Reporting and Response Planning	July 1, 2017
CIP-009-6	Cyber Security — Recovery Plans for BES Cyber Systems	July 1, 2017
CIP-010-2	Cyber Security — Configuration Change Management and Vulnerability Assessments	July 1, 2017
CIP-011-2	Cyber Security — Information Protection	July 1, 2017
CIP-014-2	Physical Security	July 1, 2017
COM-001-3	Communications	July 1, 2019
COM-002-4	Operating Personnel Communications Protocols	July 1, 2017
EOP-004-4	Event Reporting	January 1, 2021
EOP-005-3	System Restoration from Blackstart Resources	January 1, 2021
EOP-006-3	System Restoration Coordination	January 1, 2021
EOP-008-2	Loss of Control Center Functionality	January 1, 2021
EOP-010-1	Geomagnetic Disturbance Operations	July 1, 2016
EOP-011-1	Emergency Operations	July 1, 2017
FAC-001-3	Facility Interconnection Requirements	January 1, 2021
FAC-002-2	Facility Interconnection Studies	July 1, 2017
FAC-003-4	Transmission Vegetation Management	July 1, 2017
FAC-008-3 (Excl. R4, R5)	Facility Ratings	July 1, 2016
FAC-010-3 (Excl. R5)	System Operating Limits Methodology for the Planning Horizon	July 1, 2018
FAC-011-3	System Operating Limits Methodology for the Operations Horizon	July 1, 2018

FAC-014-2	Establish and Communicate System Operating Limits	April 1, 2012
INT-006-4	Evaluation of Interchange Transactions	July 1, 2016
INT-009-2.1	Implementation of Interchange	July 1, 2016
IRO-001-4	Reliability Coordination — Responsibilities	July 1, 2017
IRO-002-5	Reliability Coordination — Monitoring and Analysis	July 1, 2019
IRO-006-5	Reliability Coordination — Transmission Loading Relief (TLR)	April 1, 2012
IRO-006-EAST-2	Transmission Loading Relief Procedure for the Eastern Interconnection	July 1, 2017
IRO-008-2	Reliability Coordinator Operational Analyses and Real-time Assessments	July 1, 2017
IRO-009-2	Reliability Coordinator Actions to Operate Within IROLs	July 1, 2017
IRO-010-2	Reliability Coordinator Data Specification and Collection	July 1, 2017
IRO-014-3	Coordination Among Reliability Coordinators	July 1, 2017
IRO-017-1	Outage Coordination	July 1, 2017
IRO-018-1(i)	Reliability Coordinator Real-time Reliability Monitoring and Analysis Capabilities	July 1, 2019
MOD-025-2	Verification and Data Reporting of Generator Real and Reactive Power Capability and Synchronous Condenser Reactive Power Capability	January 1, 2021
MOD-031-2	Demand and Energy Data	July 1, 2017
MOD-032-1	Data for Power System Modeling and Analysis	July 1, 2016
MOD-033-1	Steady-State and Dynamic System Model Validation	July 1, 2018
PER-003-2	Operating Personnel Credentials	January 1, 2021
PER-005-2	Operations Personnel Training	July 1, 2017
PRC-001-1.1(ii)	System Protection Coordination	July 1, 2016
PRC-004-5(i)	Protection System Misoperation Identification and Correction	July 1, 2018
PRC-005-1.1b	Transmission and Generation Protection System Maintenance and Testing	July 1, 2016
PRC-006-3	Automatic Underfrequency Load Shedding	July 1, 2019
PRC-008-0	Implementation and Documentation of Underfrequency Load Shedding Equipment Maintenance Program	April 1, 2012
PRC-010-2	Undervoltage Load Shedding	July 1, 2018
PRC-011-0	Undervoltage Load Shedding System Maintenance and Testing	April 1, 2012
PRC-012-2	Remedial Action Schemes	January 1, 2021
PRC-017-1	Remedial Action Scheme Maintenance and Testing	July 1, 2018
PRC-018-1	Disturbance Monitoring Equipment Installation and Data Reporting	April 1, 2012

PRC-019-2	Coordination of Generating Unit or Plant Capabilities, Voltage Regulating Controls, and Protection	January 1, 2021
PRC-023-4	Transmission Relay Loadability	July 1, 2018
PRC-024-2	Generator Frequency and Voltage Protective Relay Settings	January 1, 2021
TOP-001-4	Transmission Operations	July 1, 2019
TOP-002-4	Operations Planning	July 1, 2017
TOP-003-3	Operational Reliability Data	July 1, 2017
TOP-010-1(i)	Real-time Reliability Monitoring and Analysis Capabilities	July 1, 2019
VAR-001-5	Voltage and Reactive Control	January 1, 2021
VAR-002-4.1	Generator Operation for Maintaining Network Voltage Schedules	July 1, 2019

ANNEXE 1
(article 2)

NORMES DE FIABILITÉ

Numéro de la norme	Titre de la norme	Date d'entrée en vigueur
BAL-001-2	Real Balancing Control Performance	1 ^{er} juillet 2017
BAL-002-3	Disturbance Control Standard — Contingency Reserve for Recovery from a Balancing Contingency Event	1 ^{er} janvier 2021
BAL-003-1.1	Frequency Response and Frequency Bias Setting	1 ^{er} juillet 2017
BAL-005-1	Balancing Authority Control	1 ^{er} janvier 2021
CIP-002-5.1a	Cyber Security — BES Cyber System Categorization	1 ^{er} juillet 2018
CIP-003-6 (sauf R2)	Cyber Security — Security Management Controls	1 ^{er} juillet 2017
CIP-004-6	Cyber Security — Personnel & Training	1 ^{er} juillet 2017
CIP-005-5	Cyber Security — Electronic Security Perimeter(s)	1 ^{er} juillet 2017
CIP-006-6	Cyber Security — Physical Security of BES Cyber Systems	1 ^{er} juillet 2017
CIP-007-6	Cyber Security — System Security Management	1 ^{er} juillet 2017
CIP-008-5	Cyber Security — Incident Reporting and Response Planning	1 ^{er} juillet 2017
CIP-009-6	Cyber Security — Recovery Plans for BES Cyber Systems	1 ^{er} juillet 2017
CIP-010-2	Cyber Security — Configuration Change Management and Vulnerability Assessments	1 ^{er} juillet 2017
CIP-011-2	Cyber Security — Information Protection	1 ^{er} juillet 2017
CIP-014-2	Physical Security	1 ^{er} juillet 2017
COM-001-3	Communications	1 ^{er} juillet 2019
COM-002-4	Operating Personnel Communications Protocols	1 ^{er} juillet 2017
EOP-004-4	Event Reporting	1 ^{er} janvier 2021
EOP-005-3	System Restoration from Blackstart Resources	1 ^{er} janvier 2021
EOP-006-3	System Restoration Coordination	1 ^{er} janvier 2021
EOP-008-2	Loss of Control Center Functionality	1 ^{er} janvier 2021
EOP-010-1	Geomagnetic Disturbance Operations	1 ^{er} juillet 2016
EOP-011-1	Emergency Operations	1 ^{er} juillet 2017
FAC-001-3	Facility Interconnection Requirements	1 ^{er} janvier 2021
FAC-002-2	Facility Interconnection Studies	1 ^{er} juillet 2017
FAC-003-4	Transmission Vegetation Management	1 ^{er} juillet 2017
FAC-008-3 (sauf R4, R5)	Facility Ratings	1 ^{er} juillet 2016
FAC-010-3 (sauf R5)	System Operating Limits Methodology for the Planning Horizon	1 ^{er} juillet 2018
FAC-011-3	System Operating Limits Methodology for the Operations Horizon	1 ^{er} juillet 2018

FAC-014-2	Establish and Communicate System Operating Limits	1 ^{er} avril 2012
INT-006-4	Evaluation of Interchange Transactions	1 ^{er} juillet 2016
INT-009-2.1	Implementation of Interchange	1 ^{er} juillet 2016
IRO-001-4	Reliability Coordination — Responsibilities	1 ^{er} juillet 2017
IRO-002-5	Reliability Coordination — Monitoring and Analysis	1 ^{er} juillet 2019
IRO-006-5	Reliability Coordination — Transmission Loading Relief (TLR)	1 ^{er} avril 2012
IRO-006-EAST-2	Transmission Loading Relief Procedure for the Eastern Interconnection	1 ^{er} juillet 2017
IRO-008-2	Reliability Coordinator Operational Analyses and Real-time Assessments	1 ^{er} juillet 2017
IRO-009-2	Reliability Coordinator Actions to Operate Within IROLs	1 ^{er} juillet 2017
IRO-010-2	Reliability Coordinator Data Specification and Collection	1 ^{er} juillet 2017
IRO-014-3	Coordination Among Reliability Coordinators	1 ^{er} juillet 2017
IRO-017-1	Outage Coordination	1 ^{er} juillet 2017
IRO-018-1(i)	Reliability Coordinator Real-time Reliability Monitoring and Analysis Capabilities	1 ^{er} juillet 2019
MOD-025-2	Verification and Data Reporting of Generator Real and Reactive Power Capability and Synchronous Condenser Reactive Power Capability	1 ^{er} janvier 2021
MOD-031-2	Demand and Energy Data	1 ^{er} juillet 2017
MOD-032-1	Data for Power System Modeling and Analysis	1 ^{er} juillet 2016
MOD-033-1	Steady-State and Dynamic System Model Validation	1 ^{er} juillet 2018
PER-003-2	Operating Personnel Credentials	1 ^{er} janvier 2021
PER-005-2	Operations Personnel Training	1 ^{er} juillet 2017
PRC-001-1.1(ii)	System Protection Coordination	1 ^{er} juillet 2016
PRC-004-5(i)	Protection System Misoperation Identification and Correction	1 ^{er} juillet 2018
PRC-005-1.1b	Transmission and Generation Protection System Maintenance and Testing	1 ^{er} juillet 2016
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PRC-018-1	Disturbance Monitoring Equipment Installation and Data Reporting	1 ^{er} avril 2012

PRC-019-2	Coordination of Generating Unit or Plant Capabilities, Voltage Regulating Controls, and Protection	1 ^{er} janvier 2021
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TOP-001-4	Transmission Operations	1 ^{er} juillet 2019
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TOP-003-3	Operational Reliability Data	1 ^{er} juillet 2017
TOP-010-1(i)	Real-time Reliability Monitoring and Analysis Capabilities	1 ^{er} juillet 2019
VAR-001-5	Voltage and Reactive Control	1 ^{er} janvier 2021
VAR-002-4.1	Generator Operation for Maintaining Network Voltage Schedules	1 ^{er} juillet 2019