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

Reliability Standards Regulation, amendment

Regulation 45/2017
Registered April 21, 2017

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 July 1, 2017.

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

Règlement modifiant le Règlement sur les normes de fiabilité

Règlement 45/2017
Date d'enregistrement : le 21 avril 2017

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} juillet 2017.

SCHEDULE 1
(Section 2)

RELIABILITY STANDARDS

Standard Number	Standard Name	Effective Date
BAL-001-2	Real Power Balancing Control Performance	July 1, 2017
BAL-002-1	Disturbance Control Performance	July 1, 2016
BAL-003-1.1	Frequency Response and Frequency Bias Setting	July 1, 2017
BAL-004-0	Time Error Correction	April 1, 2012
BAL-005-0.2b (Excl. R2)	Automatic Generation Control	July 1, 2016
BAL-006-2	Inadvertent Interchange	July 1, 2016
CIP-002-5.1	Cyber Security—BES Cyber System Categorization	July 1, 2017
CIP-003-6 (Excl. R1.2, R1.2.1, R1.2.2, R1.2.3, R1.2.4, 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 (Excl. R1.2)	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 (Excl. R4)	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-001-2.1	Communications	July 1, 2017
COM-002-4	Operating Personnel Communications Protocols	July 1, 2017
EOP-004-2	Event Reporting	July 1, 2016
EOP-005-2 (Excl. R3.1)	System Restoration from Blackstart Resources	July 1, 2016
EOP-006-2	System Restoration Coordination	July 1, 2016
EOP-008-1	Loss of Control Center Functionality	July 1, 2016
EOP-010-1	Geomagnetic Disturbance Operations	July 1, 2016
EOP-011-1	Emergency Operations	July 1, 2017
FAC-001-2	Facility Interconnection Requirements	July 1, 2017
FAC-002-2	Facility Interconnection Studies	July 1, 2017
FAC-003-4	Transmission Vegetation Management	July 1, 2017

Standard Number	Standard Name	Effective Date
FAC-008-3 (Excl. R4, R5)	Facility Ratings	July 1, 2016
FAC-010-2.1 (Excl. R5)	System Operating Limits Methodology for the Planning Horizon	July 1, 2016
FAC-011-2 (Excl. R5)	System Operating Limits Methodology for the Operations Horizon	July 1, 2016
FAC-013-2 (Excl. R3)	Assessment of Transfer Capability for the Near-Term Transmission Planning Horizon	July 1, 2016
FAC-014-2	Establish and Communicate System Operating Limits	July 1, 2016
INT-004-3.1	Dynamic Transfers	April 1, 2012
INT-006-4	Evaluation of Interchange Transactions	July 1, 2016
INT-009-2.1	Implementation of Interchange	July 1, 2016
INT-010-2.1	Interchange Initiation and Modification for Reliability	July 1, 2016
INT-011-1.1	Intra-Balancing Authority Transaction Identification	July 1, 2016
IRO-001-4	Reliability Coordination—Responsibilities	July 1, 2017
IRO-002-4	Reliability Coordination—Monitoring and Analysis	July 1, 2017
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 IROs	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
MOD-020-0	Providing Interruptible Demands and Direct Control Load Management Data to System Operators and Reliability Coordinators	April 1, 2012
MOD-031-2	Demand and Energy Data	July 1, 2017
MOD-032-1	Data for Power System Modeling and Analysis	July 1, 2016
PER-003-1	Operating Personnel Credentials	February 14, 2014
PER-004-2	Reliability Coordination—Staffing	February 14, 2014
PER-005-2	Operations Personnel Training	July 1, 2017
PRC-001-1.1(ii)	System Protection Coordination	July 1, 2016
PRC-004-4(i)	Protection System Misoperation Identification and Correction	July 1, 2017
PRC-005-1.1b	Transmission and Generation Protection System Maintenance and Testing	July 1, 2016
PRC-006-2	Automatic Underfrequency Load Shedding	July 1, 2017
PRC-008-0	Implementation and Documentation of Underfrequency Load Shedding Equipment Maintenance Program	April 1, 2012

Standard Number	Standard Name	Effective Date
PRC-010-0 (Excl. 2)	Technical Assessment of the Design and Effectiveness of Undervoltage Load Shedding Program	July 1, 2016
PRC-011-0	Undervoltage Load Shedding System Maintenance and Testing	April 1, 2012
PRC-015-0	Special Protection System Data and Documentation	April 1, 2012
PRC-016-0.1	Special Protection System Misoperations	February 14, 2014
PRC-017-0	Special Protection System Maintenance and Testing	April 1, 2012
PRC-018-1	Disturbance Monitoring Equipment Installation and Data Reporting	April 1, 2012
PRC-021-1	Under-Voltage Load Shedding Program Data	April 1, 2012
PRC-022-1 (Excl. R2)	Under-Voltage Load Shedding Program Performance	July 1, 2016
PRC-023-1	Transmission Relay Loadability	April 1, 2012
TOP-001-3	Transmission Operations	July 1, 2017
TOP-002-4	Operations Planning	July 1, 2017
TOP-003-3	Operational Reliability Data	July 1, 2017
VAR-001-4.1	Voltage and Reactive Control	July 1, 2017
VAR-002-4	Generator Operation for Maintaining Network Voltage Schedules	July 1, 2016

ANNEXE 1
(article 2)

NORME DE FIABILITÉ

Numéro de la norme	Titre de la norme	Date d'entrée en vigueur
BAL-001-2	Real Power Balancing Control Performance	1 ^{er} juillet 2017
BAL-002-1	Disturbance Control Performance	1 ^{er} juillet 2016
BAL-003-1.1	Frequency Response and Frequency Bias Setting	1 ^{er} juillet 2017
BAL-004-0	Time Error Correction	1 ^{er} avril 2012
BAL-005-0.2b (sauf R2)	Automatic Generation Control	1 ^{er} juillet 2016
BAL-006-2	Inadvertent Interchange	1 ^{er} juillet 2016
CIP-002-5.1	Cyber Security—BES Cyber System Categorization	1 ^{er} juillet 2017
CIP-003-6 (sauf R1.2, R1.2.1, R1.2.2, R1.2.3, R1.2.4, 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 (sauf R1.2)	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 (sauf R4)	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-001-2.1	Communications	1 ^{er} juillet 2017
COM-002-4	Operating Personnel Communications Protocols	1 ^{er} juillet 2017
EOP-004-2	Event Reporting	1 ^{er} juillet 2017
EOP-005-2 (sauf R3.1)	System Restoration from Blackstart Resources	1 ^{er} juillet 2016
EOP-006-2	System Restoration Coordination	1 ^{er} juillet 2016
EOP-008-1	Loss of Control Center Functionality	1 ^{er} juillet 2016
EOP-010-1	Geomagnetic Disturbance Operations	1 ^{er} juillet 2016
EOP-011-1	Emergency Operations	1 ^{er} juillet 2017
FAC-001-2	Facility Interconnection Requirements	1 ^{er} juillet 2017

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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-010-2.1 (sauf R5)	System Operating Limits Methodology for the Planning Horizon	1 ^{er} juillet 2016
FAC-011-2 (sauf R5)	System Operating Limits Methodology for the Operations Horizon	1 ^{er} juillet 2016
FAC-013-2 (sauf R3)	Assessment of Transfer Capability for the Near-Term Transmission Planning Horizon	1 ^{er} juillet 2016
FAC-014-2	Establish and Communicate System Operating Limits	1 ^{er} juillet 2016
INT-004-3.1	Dynamic Transfers	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
INT-010-2.1	Interchange Initiation and Modification for Reliability	1 ^{er} juillet 2016
INT-011-1.1	Intra-Balancing Authority Transaction Identification	1 ^{er} juillet 2016
IRO-001-4	Reliability Coordination—Responsibilities	1 ^{er} juillet 2017
IRO-002-4	Reliability Coordination—Monitoring and Analysis	1 ^{er} juillet 2017
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 IROs	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
MOD-020-0	Providing Interruptible Demands and Direct Control Load Management Data to System Operators and Reliability Coordinators	1 ^{er} avril 2012
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
PER-003-1	Operating Personnel Credentials	14 février 2014
PER-004-2	Reliability Coordination—Staffing	14 février 2014
PER-005-2	Operations Personnel Training	1 ^{er} juillet 2017
PRC-001-1.1(ii)	System Protection Coordination	1 ^{er} juillet 2016
PRC-004-4(i)	Protection System Misoperation Identification and Correction	1 ^{er} juillet 2017
PRC-005-1.1b	Transmission and Generation Protection System Maintenance and Testing	1 ^{er} juillet 2016
PRC-006-2	Automatic Underfrequency Load Shedding	1 ^{er} juillet 2017

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PRC-008-0	Implementation and Documentation of Underfrequency Load Shedding Equipment Maintenance Program	1 ^{er} avril 2012
PRC-010-0 (sauf 2)	Technical Assessment of the Design and Effectiveness of Undervoltage Load Shedding Program	1 ^{er} juillet 2016
PRC-011-0	Undervoltage Load Shedding System Maintenance and Testing	1 ^{er} avril 2012
PRC-015-0	Special Protection System Data and Documentation	1 ^{er} avril 2012
PRC-016-0.1	Special Protection System Misoperations	14 février 2014
PRC-017-0	Special Protection System Maintenance and Testing	1 ^{er} avril 2012
PRC-018-1	Disturbance Monitoring Equipment Installation and Data Reporting	1 ^{er} avril 2012
PRC-021-1	Under-Voltage Load Shedding Program Data	1 ^{er} avril 2012
PRC-022-1 (sauf R2)	Under-Voltage Load Shedding Program Performance	1 ^{er} juillet 2016
PRC-023-1	Transmission Relay Loadability	1 ^{er} avril 2012
TOP-001-3	Transmission Operations	1 ^{er} juillet 2017
TOP-002-4	Operations Planning	1 ^{er} juillet 2017
TOP-003-3	Operational Reliability Data	1 ^{er} juillet 2017
VAR-001-4.1	Voltage and Reactive Control	1 ^{er} juillet 2017
VAR-002-4	Generator Operation for Maintaining Network Voltage Schedules	1 ^{er} juillet 2016