

## **Glossaire des termes et des acronymes relatifs aux normes de fiabilité (version anglaise)**



# **Glossary of Terms and Acronyms used in Reliability Standards**

**February 2021**

## **1. Introduction**

This glossary presents, in alphabetical order, the definition of terms and acronyms used in the reliability standards and in the documents produced by the Reliability Coordinator in relation with reliability standards. Most terms come from the NERC Glossary of Terms Used in Reliability Standards, October 8, 2020, adopted by NERC Board of Trustees.

### **1.1 Defined Terms**

Terms in the definitions as well as in the standards and in Appendices for Québec, that refer to terms defined in this glossary are capitalized in the English version and italicized in the French version. Acronyms of defined terms in the current Glossary are capitalized in the English version, and italicized and capitalized in the French version of the standards and their Appendices

### **1.2 Terms in French**

French translation of terms is shown within parentheses at the end of each definition. In addition, all acronyms and terms in French are identified by the use of bold characters. An index of terms and acronyms in French is presented in Section 3 to facilitate the search within the document.

### **1.3 Source column**

The following sources for the terms and their definitions found in the standards and Appendices for Québec are identified as follows :

NERC : Glossary terms that are found in the NERC Glossary of Terms used in NERC Reliability Standards

NPCC : Glossary terms that are found in the Northeast Power Coordinating Council Glossary of Terms

Québec : Québec specific Glossary terms

2. Definitions and acronyms											
English Term	French Term	Acronym	Source	English Definition	Adoption Date	Effective Date QC	Retirement Date QC	Régie Decision	Régie Docket	Note	
Actual Frequency	Fréquence réelle	FA	NERC	The Interconnection frequency measured in Hertz .	2016-07-29	2016-07-29		D-2016-119	R-3947-2015		
Actual Net Interchange	Échange réel net	NI <sub>A</sub>	NERC	The algebraic sum of actual megawatt transfers across all Tie Lines, including Pseudo-Ties, to and from all Adjacent Balancing Authority areas within the same Interconnection. Actual megawatt transfers on asynchronous DC tie lines that are directly connected to another Interconnection are excluded from Actual Net Interchange.	2017-02-03	2017-02-03	2021-06-30	D-2017-012	R-3944-2015 R-3949-2015 R-3957-2015		
Adequacy	Adéquation		NERC	The ability of the electric system to supply the aggregate electrical demand and energy requirements of the end-use customers at all times, taking into account scheduled and reasonably expected unscheduled outages of system elements.	2017-02-03	2017-02-03	2021-06-30	D-2017-012	R-3944-2015 R-3949-2015 R-3957-2015		
Adequate Level of Reliability	Niveau de fiabilité adéquat ou Niveau de fiabilité recherché	ALR	NERC	<p>ALR is the state that the design, planning, and operation of the Bulk Electric System (BES) will achieve when the listed Reliability Performance Objectives are met. Further, Reliability Assessment Objectives included in the definition must be evaluated to assess reliability risk in support of an adequate level of reliability.</p> <p><b>ALR Performance Objectives</b></p> <ol style="list-style-type: none"> <li>The BES does not experience instability, uncontrolled separation, Cascading, or voltage collapse under normal operating conditions and when subject to predefined Disturbances.</li> <li>BES frequency is maintained within defined parameters under normal operating conditions and when subject to predefined Disturbances.</li> <li>BES voltage is maintained within defined parameters under normal operating conditions and when subject to predefined Disturbances.</li> <li>Adverse Reliability Impacts on the BES following low probability Disturbances (e.g., multiple contingences, unplanned and uncontrolled equipment outages, cyber security events, and malicious acts) are managed.</li> <li>Restoration of the BES after major system Disturbances that result in blackouts and widespread outages of BES elements is performed in a coordinated and controlled manner.</li> </ol> <p><b>ALR Assessment Objectives</b></p> <p>"Adequate level of reliability" is a term used in Section 215 (c)(1) of the Federal Power Act, specifying what standards the electric reliability organization (ERO) can develop and enforce. Section 215 specifically does not authorize the ERO to develop standards related to adequacy and safety. However, this</p>	2017-02-03	2017-02-03	2021-06-30	D-2017-012	R-3944-2015 R-3949-2015 R-3957-2015		
Adequate Level of Reliability continued	Niveau de fiabilité adéquat ou Niveau de fiabilité recherché suite			<p>definition of ALR is meant to encompass all the duties of the ERO, including obligations to perform assessments of resource and Transmission adequacy.</p> <p>A target to achieve adequate Transmission transfer capability and resource capability to meet forecast demand is an inherent, fundamental objective for planning, designing, and operating the BES. The Assessment Objectives do not suggest that NERC Reliability Standards mandate that such additions be developed; they are not directly related to NERC's standards development and enforcement activities.</p> <ol style="list-style-type: none"> <li>BES Transmission capability is assessed to determine availability to meet anticipated BES demands during normal operating conditions and when subject to predefined Disturbances.</li> <li>Resource capability is assessed to determine availability to the BES to meet anticipated BES demands during normal operating conditions and when subject to predefined Disturbances.</li> </ol>	2017-02-03	2017-02-03	2021-06-30	D-2017-012	R-3944-2015 R-3949-2015 R-3957-2015		
Adequate Level of Reliability for the Québec Interconnection	Niveau de fiabilité adéquat pour l'Interconnexion du Québec » et « Niveau de fiabilité recherché pour l'Interconnexion du Québec		Québec	Refer to "Adequate Level of Reliability".	2020-06-08	2021-07-01		D-2020-067	R-4104-2019		
Adjacent Balancing Authority	Responsable de l'équilibrage adjacent		NERC	A Balancing Authority whose Balancing Authority Area is interconnected with another Balancing Authority Area either directly or via a multi-party agreement or transmission tariff.	2020-06-08	2021-07-01		D-2020-067	R-4104-2019		

English Term	French Term	Acronym	Source	English Definition	Adoption Date	Effective Date QC	Retirement Date QC	Régie Decision	Régie Docket	Note
Adverse Reliability Impact	Impact négatif sur la fiabilité		NERC	The impact of an event that results in frequency-related instability; unplanned tripping of load or generation; or uncontrolled separation or cascading outages that affects a widespread area of the Interconnection.	2017-02-03	2017-02-03	2021-03-31	D-2017-012	R-3944-2015 R-3949-2015 R-3957-2015	
After the Fact	Après le fait	ATF	NERC	A time classification assigned to an RFI when the submittal time is greater than one hour after the start time of the RFI.	2020-06-08	2021-04-01		D-2020-067	R-4104-2019	
Agreement	Entente		NERC	A contract or arrangement, either written or verbal and sometimes enforceable by law.	2016-07-29	2016-07-29		D-2016-119	R-3947-2015	
Alternative Interpersonal Communication	Communication interpersonnelle de rechange		NERC	Any Interpersonal Communication that is able to serve as a substitute for, and does not utilize the same infrastructure (medium) as, Interpersonal Communication used for day-to-day operation.	2016-07-29	2016-07-29		D-2016-119	R-3947-2015	
Altitude Correction Factor	Facteur de correction en fonction de l'altitude		NERC	A multiplier applied to specify distances, which adjusts the distances to account for the change in relative air density (RAD) due to altitude from the RAD used to determine the specified distance. Altitude correction factors apply to both minimum worker approach distances and to minimum vegetation clearance distances.	2016-07-29	2016-07-29		D-2016-119	R-3947-2015	
Ancillary Service	Services complémentaires		NERC	Those services that are necessary to support the transmission of capacity and energy from resources to loads while maintaining reliable operation of the Transmission Service Provider's transmission system in accordance with good utility practice. (From FERC order 888-A.)	2019-03-15	2020-03-15		D-2019-033	R-4050-2018	
Area Control Error	Écart de réglage de la zone	ACE	NERC	The instantaneous difference between a Balancing Authority's net actual and scheduled interchange, taking into account the effects of Frequency Bias and correction for meter error.	2015-06-23	2015-06-23		D-2015-098	R-3699-2009	
Area Interchange Methodology	Méthodologie selon les échanges entre zones		NERC	The Area Interchange methodology is characterized by determination of incremental transfer capability via simulation, from which Total Transfer Capability (TTC) can be mathematically derived. Capacity Benefit Margin, Transmission Reliability Margin, and Existing Transmission Commitments are subtracted from the TTC, and Postbacks and counterflows are added, to derive Available Transfer Capability. Under the Area Interchange Methodology, TTC results are generally reported on an area to area basis.	2015-06-23	2015-06-23		D-2015-098	R-3699-2009	
Arranged Interchange	Échange convenu		NERC	The state where a Request for Interchange (initial or revised) has been submitted for approval.	2015-06-23	2015-06-23		D-2015-098	R-3699-2009	
ATC Path	Chemin ATC		NERC	Any combination of Point of Receipt and Point of Delivery for which ATC is calculated; and any Posted Path.	2017-06-16	2017-06-16		D-2017-061	R-4001-2017	(See 18 CFR 37.6(b)(1))
Attaining Balancing Authority	Responsable de l'équilibrage délégué		NERC	A Balancing Authority bringing generation or load into its effective control boundaries through a Dynamic Transfer from the Native Balancing Authority.	2017-09-27	2017-09-27		D-2017-110	R-3944-2015 R-3949-2015 R-3957-2015	
Automatic Generation Control	Réglage automatique de la production	AGC	NERC	Equipment that automatically adjusts generation in a Balancing Authority Area from a central location to maintain the Balancing Authority's interchange schedule plus Frequency Bias. AGC may also accommodate automatic inadvertent payback and time error correction	2015-06-23	2015-06-23		D-2015-098	R-3699-2009	
Automatic Generation Control	Réglage automatique de la production	AGC	NERC	A process designed and used to adjust a Balancing Authority Areas' Demand and resources to help maintain the Reporting ACE in that of a Balancing Authority Area within the bounds required by applicable NERC Reliability Standards.	2020-10-08	2020-10-08		D-2020-131	R-4070-2018	

English Term	French Term	Acronym	Source	English Definition	Adoption Date	Effective Date QC	Retirement Date QC	Régie Decision	Régie Docket	Note
Automatic Time Error Correction	Correction de l'écart de temps automatique	I <sub>ATEC</sub>	NERC	<p>The addition of a component to the ACE equation for the Western Interconnection that modifies the control point for the purpose of continuously paying back Primary Inadvertent Interchange to correct accumulated time error. Automatic Time Error Correction is only applicable in the Western Interconnection.</p> $I_{ATEC} = \frac{PII_{accum}^{on/off\ peak}}{(1-Y) \times H}$ <p>when operating in Automatic Time error correction Mode. The absolute value of IATEC shall be zero when operating in any other AGC mode.</p> <ul style="list-style-type: none"> <li>• L<sub>max</sub> is the maximum value allowed for I<sub>ATEC</sub> set by each BA between 0.2* Bi  and L10, 0.2* Bi  ≤ L<sub>max</sub> ≤ L10 .</li> <li>• L<sub>10</sub> = 1.65* ε<sub>10</sub></li> <li>• ε<sub>10</sub> is a constant ε<sub>10</sub> = √((-10B<sub>1</sub>)(-10B<sub>2</sub>)) . ε<sub>10</sub> is the targeted root-mean-square (RMS) value of ten-minute average frequency error based on frequency performance over a given year. The bound, ε<sub>10</sub>, is the same for every Balancing Authority Area within an Interconnection.</li> <li>• Y = Bi / BS.</li> <li>• H = Number of hours used to payback primary inadvertent interchange energy. The value of H is set to 3.</li> <li>• B<sub>i</sub> = Frequency Bias Setting for the Balancing Authority Area (MW / 0.1 Hz).</li> <li>• BS = Sum of the minimum Frequency Bias Settings for the Interconnection (MW / 0.1 Hz).</li> <li>• Primary Inadvertent Interchange (PII<sub>hourly</sub>) is (1-Y) * (I<sub>actual</sub> - Bi * ΔTE/6)</li> </ul>	2020-09-10	2020-09-10		D-2020-118	R-4117-2020	
Automatic Time Error Correction continued	Correction de l'écart de temps automatique suite	I <sub>ATEC</sub>	NERC	<ul style="list-style-type: none"> <li>• I<sub>actual</sub> is the hourly Inadvertent Interchange for the last hour.</li> <li>• ΔTE is the hourly change in system Time Error as distributed by the Interconnection time monitor, where: ΔTE = TE<sub>end hour</sub> - TE<sub>begin hour</sub> - TD<sub>adj</sub> - (t)*(TE<sub>offset</sub>)</li> <li>• TD<sub>adj</sub> is the Reliability Coordinator adjustment for differences with Interconnection time monitor control center clocks.</li> <li>• t is the number of minutes of manual Time Error Correction that occurred during the hour.</li> <li>• TE<sub>offset</sub> is 0.000 or +0.020 or -0.020.</li> <li>• PII<sub>accum</sub> is the Balancing Authority Area's accumulated PII<sub>hourly</sub> in MWh. An On-Peak and Off-Peak accumulation accounting is required, where:</li> </ul> $PII_{accum}^{on/off\ peak} = \text{last period's } PII_{accum}^{on/off\ peak} + PII_{hourly}$	2020-09-10	2020-09-10		D-2020-118	R-4117-2020	
Available Flowgate Capability	Capacité disponible d'une interface de transit ou Capacité d'interface disponible	AFC	NERC	A measure of the flow capability remaining on a Flowgate for further commercial activity over and above already committed uses. It is defined as TFC less Existing Transmission Commitments (ETC), less a Capacity Benefit Margin, less a Transmission Reliability Margin, plus Postbacks, and plus counterflows.						
Available Transfer Capability	Capacité de transfert disponible	ATC	NERC	A measure of the transfer capability remaining in the physical transmission network for further commercial activity over and above already committed uses. It is defined as Total Transfer Capability less Existing Transmission Commitments (including retail customer service), less a Capacity Benefit Margin, less a Transmission Reliability Margin, plus Postbacks, plus counterflows.	2015-06-23	2015-06-23		D-2015-098	R-3699-2009	Term used in the French version of the document « Tarifs et conditions des services de transport d'Hydro-Québec »
Available Transfer Capability Implementation Document	Document de mise en oeuvre de la capacité de transfert disponible	ATCID	NERC	A document that describes the implementation of a methodology for calculating ATC or AFC, and provides information related to a Transmission Service Provider's calculation of ATC or AFC.	2015-06-23	2015-06-23		D-2015-098	R-3699-2009	
Balancing Authority	Responsable de l'équilibrage	BA	NERC	The responsible entity that integrates resource plans ahead of time, maintains load-interchange-generation balance within a Balancing Authority Area, and supports Interconnection frequency in real time.	2016-07-29	2016-07-29		D-2016-119	R-3947-2015	
Balancing Authority	Responsable de l'équilibrage	BA	NERC	The responsible entity that integrates resource plans ahead of time, maintains Demand and resource balance within a Balancing Authority Area, and supports Interconnection frequency in real time	2015-06-23	2015-06-23		D-2015-098	R-3699-2009	

English Term	French Term	Acronym	Source	English Definition	Adoption Date	Effective Date QC	Retirement Date QC	Régie Decision	Régie Docket	Note
Balancing Authority Area	Zone d'équilibrage		NERC	The collection of generation, transmission, and loads within the metered boundaries of the Balancing Authority. The Balancing Authority maintains load-resource balance within this area.	2015-06-23	2015-06-23		D-2015-098	R-3699-2009	
Balancing Contingency Event	Contingence d'équilibrage		NERC	Any single event described in Subsections (A), (B), or (C) below, or any series of such otherwise single events, with each separated from the next by one minute or less. A. Sudden loss of generation: a. Due to i. unit tripping, or ii. loss of generator Facility resulting in isolation of the generator from the Bulk Electric System or from the responsible entity's System, or iii. sudden unplanned outage of transmission Facility; b. And, that causes an unexpected change to the responsible entity's ACE; B. Sudden loss of an Import, due to forced outage of transmission equipment that causes an unexpected imbalance between generation and Demand on the Interconnection. C. Sudden restoration of a Demand that was used as a resource that causes an unexpected change to the responsible entity's ACE.	2015-06-23	2015-06-23		D-2015-098	R-3699-2009	
Base Load	Charge de base		NERC	The minimum amount of electric power delivered or required over a given period at a constant rate.	2015-06-23	2015-06-23		D-2015-098	R-3699-2009	
BES Cyber Asset	Actif électronique BES		NERC	A Cyber Asset that if rendered unavailable, degraded, or misused would, within 15 minutes of its required operation, mis-operation, 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 Electric System. Redundancy of affected Facilities, systems, and equipment shall not be considered when determining adverse impact. Each BES Cyber Asset is included in one or more BES Cyber Systems.	2015-06-23	2015-06-23		D-2015-098	R-3699-2009	
BES Cyber System	Système électronique BES		NERC	One or more BES Cyber Assets logically grouped by a responsible entity to perform one or more reliability tasks for a functional entity.	2015-06-23	2015-06-23		D-2015-098	R-3699-2009	
BES Cyber System Information	Information de système électronique BES		NERC	Information about the BES Cyber System that could be used to gain unauthorized access or pose a security threat to the BES Cyber System. BES 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 BES Cyber Systems, such as, but not limited to, device names, individual IP addresses without context, ESP names, or policy statements. Examples of BES Cyber System Information may include, but are not limited to, security procedures or security information about BES 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 BES Cyber System.	2015-06-23	2015-06-23		D-2015-098	R-3699-2009	
Blackstart Resource	Ressource à démarrage autonome		NERC	A generating unit(s) and its associated set of equipment which has the ability to be started without support from the System or is designed to remain energized without connection to the remainder of the System, with the ability to energize a bus, meeting the Transmission Operator's restoration plan needs for real and reactive power capability, frequency and voltage control, and that has been included in the Transmission Operator's restoration plan.	2015-06-23	2015-06-23		D-2015-098	R-3699-2009	
Block Dispatch	Répartition par blocs		NERC	A set of dispatch rules such that given a specific amount of load to serve, an approximate generation dispatch can be determined. To accomplish this, the capacity of a given generator is segmented into loadable "blocks," each of which is grouped and ordered relative to other blocks (based on characteristics including, but not limited to, efficiency, run of river or fuel supply considerations, and/or "must-run" status).	2015-06-23	2015-06-23		D-2015-098	R-3699-2009	



English Term	French Term	Acronym	Source	English Definition	Adoption Date	Effective Date QC	Retirement Date QC	Régie Decision	Régie Docket	Note
Bulk Electric System	Système de production-transport d'électricité	BES	NERC	<p>Unless modified by the lists shown below, all Transmission Elements operated at 100 kV or higher and Real Power and Reactive Power resources connected at 100 kV or higher. This does not include facilities used in the local distribution of electric energy.</p> <p><b>Inclusions:</b></p> <ul style="list-style-type: none"> <li>• I1 – Transformers with the primary terminal and at least one secondary terminal operated at 100 kV or higher unless excluded by application of Exclusion E1 or E3.</li> <li>• I2 – Generating resource(s) including the generator terminals through the high-side of the step-up transformer(s) connected at a voltage of 100 kV or above with: a) Gross individual nameplate rating greater than 20 MVA. Or, b) Gross plant/facility aggregate nameplate rating greater than 75 MVA.</li> <li>• I3 – Blackstart Resources identified in the Transmission Operator's restoration plan.</li> <li>• I4 – Dispersed power producing resources that aggregate to a total capacity greater than 75 MVA (gross nameplate rating), and that are connected through a system designed primarily for delivering such capacity to a common point of connection at a voltage of 100 kV or above. Thus, the facilities designated as BES are: <ul style="list-style-type: none"> <li>a) The individual resources, and</li> <li>b) The system designed primarily for delivering capacity from the point where those resources aggregate to greater than 75 MVA to a common point of connection at a voltage of 100 kV or above.</li> </ul> </li> </ul>	2015-06-23	2015-06-23		D-2015-098	R-3699-2009	
Bulk Electric System continued 1	Système de production-transport d'électricité suite 1			<ul style="list-style-type: none"> <li>• I5 –Static or dynamic devices (excluding generators) dedicated to supplying or absorbing Reactive Power that are connected at 100 kV or higher, or through a dedicated transformer with a high-side voltage of 100 kV or higher, or through a transformer that is designated in Inclusion I1 unless excluded by application of Exclusion E4.</li> </ul> <p>Exclusions:</p> <ul style="list-style-type: none"> <li>• E1 – Radial systems: A group of contiguous transmission Elements that emanates from a single point of connection of 100 kV or higher and: <ul style="list-style-type: none"> <li>a) Only serves Load. Or,</li> <li>b) Only includes generation resources, not identified in Inclusions I2, I3, or I4, with an aggregate capacity less than or equal to 75 MVA (gross nameplate rating). Or,</li> <li>c) Where the radial system serves Load and includes generation resources, not identified in Inclusions I2, I3 or I4, with an aggregate capacity of non-retail generation less than or equal to 75 MVA (gross nameplate rating).</li> </ul> </li> </ul> <p>Note 1 – A normally open switching device between radial systems, as depicted on prints or one-line diagrams for example, does not affect this exclusion.  Note 2 – The presence of a contiguous loop, operated at a voltage level of 50 kV or less, between configurations being considered as radial systems, does not affect this exclusion.</p>	2015-06-23	2015-06-23		D-2015-098	R-3699-2009	

English Term	French Term	Acronym	Source	English Definition	Adoption Date	Effective Date QC	Retirement Date QC	Régie Decision	Régie Docket	Note
Bulk Electric System continued 2	Système de production-transport d'électricité suite 2			<ul style="list-style-type: none"> <li>E2 – A generating unit or multiple generating units on the customer's side of the retail meter that serve all or part of the retail Load with electric energy if: (i) the net capacity provided to the BES does not exceed 75 MVA, and (ii) standby, back-up, and maintenance power services are provided to the generating unit or multiple generating units or to the retail Load by a Balancing Authority, or provided pursuant to a binding obligation with a Generator Owner or Generator Operator, or under terms approved by the applicable regulatory authority.</li> <li>E3 – Local networks (LN): A group of contiguous transmission Elements operated at less than 300 kV that distribute power to Load rather than transfer bulk power across the interconnected system. LN's emanate from multiple points of connection at 100 kV or higher to improve the level of service to retail customers and not to accommodate bulk power transfer across the interconnected system. The LN is characterized by all of the following: <ul style="list-style-type: none"> <li>a) Limits on connected generation: The LN and its underlying Elements do not include generation resources identified in Inclusions I2, I3, or I4 and do not have an aggregate capacity of non-retail generation greater than 75 MVA (gross nameplate rating);</li> <li>b) Real Power flows only into the LN and the LN does not transfer energy originating outside the LN for delivery through the LN; and</li> <li>c) Not part of a Flowgate or transfer path: The LN does not contain any part of a permanent Flowgate in the Eastern Interconnection, a major transfer path within the Western Interconnection, or a comparable monitored Facility in the ERCOT or Quebec Interconnections, and is not a monitored Facility included in an Interconnection Reliability Operating Limit (IROL).</li> </ul> </li> </ul>	2015-06-23	2015-06-23		D-2015-098	R-3699-2009	
Bulk Electric System continued 3	Système de production-transport d'électricité suite 3			<ul style="list-style-type: none"> <li>E4 – Reactive Power devices installed for the sole benefit of a retail customer(s).</li> </ul> <p>Note – Elements may be included or excluded on a case-by-case basis through the Rules of Procedure exception process.</p>	2016-07-29	2016-07-29		D-2016-119	R-3947-2015	
Bulk Power System or Bulk-Power System	Réseau "Bulk"	BPS	NPCC	The interconnected electrical systems within northeastern North America comprised of system elements on which faults or disturbances can have a significant adverse impact outside of the local area.	2015-06-23	2015-06-23		D-2015-098	R-3699-2009	Term and acronym used in the Quebec Appendices
Bulk Power System or Bulk-Power System [NERC]	Système électrique interconnecté	BPS	NERC	Definition used in the standards : Bulk-Power System: (A) facilities and control systems necessary for operating an interconnected electric energy transmission network (or any portion thereof); and (B) electric energy from generation facilities needed to maintain transmission system reliability. The term does not include facilities used in the local distribution of electric energy. (Note that the terms "Bulk-Power System" or "Bulk Power System" shall have the same meaning.)	2015-06-23	2015-06-23		D-2015-098	R-3699-2009	Term and acronym used in the Reliability Standards
Burden	Mettre à risque (Mise à risque)		NERC	Operation of the Bulk Electric System that violates or is expected to violate a System Operating Limit or Interconnection Reliability Operating Limit in the Interconnection, or that violates any other NERC, Regional Reliability Organization, or local operating reliability standards or criteria	2015-06-23	2015-06-23		D-2015-098	R-3699-2009	
Bus-tie Breaker	Disjoncteur d'attache		NERC	A circuit breaker that is positioned to connect two individual substation bus configurations	2015-06-23	2015-06-23		D-2015-098	R-3699-2009	
Business Practices	Pratiques commerciales		NERC	Those business rules contained in the Transmission Service Provider's applicable tariff, rules, or procedures; associated Regional Reliability Organization or regional entity business practices; or NAESB Business Practices.	2015-06-23	2015-06-23		D-2015-098	R-3699-2009	
Capacity Benefit Margin	Marge de partage de capacité	CBM	NERC	The amount of firm transmission transfer capability preserved by the transmission provider for Load-Serving Entities (LSEs), whose loads are located on that Transmission Service Provider's system, to enable access by the LSEs to generation from interconnected systems to meet generation reliability requirements. Preservation of CBM for an LSE allows that entity to reduce its installed generating capacity below that which may otherwise have been necessary without interconnections to meet its generation reliability requirements. The transmission transfer capability preserved as CBM is intended to be used by the LSE only in times of emergency generation deficiencies.	2015-06-23	2015-06-23		D-2015-098	R-3699-2009	

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Capacity Benefit Margin Implementation Document	Document de mise en œuvre de la marge de partage de capacité	CBMID	NERC	A document that describes the implementation of a Capacity Benefit Margin methodology.	2015-06-23	2015-06-23		D-2015-098	R-3699-2009	
Capacity Emergency	Défaillance en puissance		NERC	A capacity emergency exists when a Balancing Authority Area's operating capacity, plus firm purchases from other systems, to the extent available or limited by transfer capability, is inadequate to meet its demand plus its regulating requirements.	2015-06-23	2015-06-23		D-2015-098	R-3699-2009	
Cascading	Déclenchements en cascade		NERC	The uncontrolled successive loss of system elements triggered by an incident at any location. Cascading results in widespread electric service interruption that cannot be restrained from sequentially spreading beyond an area predetermined by studies.	2015-06-23	2015-06-23		D-2015-098	R-3699-2009	
CIP Exceptional Circumstance	Circonstance CIP exceptionnelle		NERC	A situation that involves or threatens to involve one or more of the following, or similar, conditions that impact safety or BES reliability: a risk of injury or death; a natural disaster; civil unrest; an imminent or existing hardware, software, or equipment failure; a Cyber Security Incident requiring emergency assistance; a response by emergency services; the enactment of a mutual assistance agreement; or an impediment of large scale workforce availability.	2016-07-29	2016-07-29		D-2016-119	R-3947-2015	
CIP Senior Manager	Cadre supérieur CIP		NERC	A single senior management official with overall authority and responsibility for leading and managing implementation of and continuing adherence to the requirements within the NERC CIP Standards, CIP-002 through CIP-011.	2015-06-23	2015-06-23		D-2015-098	R-3699-2009	
Clock Hour	Heure civile		NERC	The 60-minute period ending at :00. All surveys, measurements, and reports are based on Clock Hour periods unless specifically noted.	2015-06-23	2015-06-23		D-2015-098	R-3699-2009	
Cogeneration	Cogénération		NERC	Production of electricity from steam, heat, or other forms of energy produced as a by-product of another process.	2016-12-22	2016-12-22		D-2016-195	R-3944-2015 R-3949-2015 R-3957-2015	
Compliance Enforcement Authority	Responsable des mesures pour assurer la conformité, Responsable de la surveillance de l'application des normes de fiabilité	CEA	Québec	Refers to the Régie de l'énergie in its roles of monitoring and enforcing compliance with respect to the Reliability Standard and to this appendix.	2016-12-22	2016-12-22		D-2016-195	R-3944-2015 R-3949-2015 R-3957-2015	
Compliance Monitor	Responsable de la surveillance de la conformité		NERC	The entity that monitors, reviews, and ensures compliance of responsible entities with reliability standards.	2015-06-23	2015-06-23		D-2015-098	R-3699-2009	
Composite Confirmed Interchange	Échange confirmé composite		NERC	The energy profile (including non-default ramp) throughout a given time period, based on the aggregate of all Confirmed Interchange occurring in that time period.	2015-06-23	2015-06-23		D-2015-098	R-3699-2009	
Composite Protection System	Système de protection combiné		NERC	The total complement of Protection System(s) that function collectively to protect an Element. Backup protection provided by a different Element's Protection System(s) is excluded.	2015-06-23	2015-06-23		D-2015-098	R-3699-2009	
Confirmed Interchange	Échange confirmé		NERC	The state where no party has denied and all required parties have approved the Arranged Interchange.	2016-07-29	2016-07-29		D-2016-119	R-3947-2015	
Congestion Management Report	Rapport de gestion des congestions		NERC	A report that the Interchange Distribution Calculator issues when a Reliability Coordinator initiates the Transmission Loading Relief procedure. This report identifies the transactions and native and network load curtailments that must be initiated to achieve the loading relief requested by the initiating Reliability Coordinator.	2016-07-29	2016-07-29		D-2016-119	R-3947-2015	

English Term	French Term	Acronym	Source	English Definition	Adoption Date	Effective Date QC	Retirement Date QC	Régie Decision	Régie Docket	Note
Connected to the RTP	Raccordé au RTP		Québec	An element is said to be " connected to the RTP " if at least one continuous series of RTP elements exists connecting it to the RTP.	2015-06-23	2015-06-23		D-2015-098	R-3699-2009	
Consequential Load Loss	Perte de charge subordonnée		NERC	All Load that is no longer served by the Transmission system as a result of Transmission Facilities being removed from service by a Protection System operation designed to isolate the fault.	2020-06-08	2021-04-01		D-2020-067	R-4104-2019	
Constrained Facility	Installation contrainte		NERC	A transmission facility (line, transformer, breaker, etc.) that is approaching, is at, or is beyond its System Operating Limit or Interconnection Reliability Operating Limit.	2015-06-23	2015-06-23		D-2015-098	R-3699-2009	
Contingency	Contingence		NERC	The unexpected failure or outage of a system component, such as a generator, transmission line, circuit breaker, switch or other electrical element.	2020-06-08	2021-04-01		D-2020-067	R-4104-2019	
Contingency Event Recovery Period	Période de rétablissement après contingence		NERC	A period that begins at the time that the resource output begins to decline within the first one minute interval of a Reportable Balancing Contingency Event, and extends for fifteen minutes thereafter.	2020-06-08	2021-04-01		D-2020-067	R-4104-2019	
Contingency Reserve	Réserve pour contingence		NERC	The provision of capacity deployed by the Balancing Authority to meet the Disturbance Control Standard (DCS) and other NERC and Regional Reliability Organization contingency requirements.	2015-06-23	2015-06-23		D-2015-098	R-3699-2009	
Contingency Reserve	Réserve pour contingence		NERC	The provision of capacity that may be deployed by the Balancing Authority to respond to a Balancing Contingency Event and other contingency requirements (such as Energy Emergency Alerts as specified in the associated EOP standard). A Balancing Authority may include in its restoration of Contingency Reserve readiness to reduce Firm Demand and include it if, and only if, the Balancing Authority: <ul style="list-style-type: none"> <li>• is experiencing a Reliability Coordinator declared Energy Emergency Alert level, and is utilizing its Contingency Reserve to mitigate an operating emergency in accordance with its emergency Operating Plan.</li> <li>• is utilizing its Contingency Reserve to mitigate an operating emergency in accordance with its emergency Operating Plan.</li> </ul>	2015-06-23	2015-06-23		D-2015-098	R-3699-2009	
Contingency Reserve Restoration Period	Période de rétablissement de la réserve pour contingence		NERC	A period not exceeding 90 minutes following the end of the Contingency Event Recovery Period.	2015-06-23	2015-06-23		D-2015-098	R-3699-2009	
Contract Path	Chemin réservé		NERC	An agreed upon electrical path for the continuous flow of electrical power between the parties of an Interchange Transaction.	2015-06-23	2015-06-23		D-2015-098	R-3699-2009	
Control Center	Centre de contrôle		NERC	One or more facilities hosting operating personnel that monitor and control the Bulk Electric System (BES) in real-time to perform the reliability tasks, including their associated data centers, of: 1) a Reliability Coordinator, 2) a Balancing Authority, 3) a Transmission Operator for transmission Facilities at two or more locations, or 4) a Generator Operator for generation Facilities at two or more locations.	2015-06-23	2015-06-23		D-2015-098	R-3699-2009	
Control Performance Standard	Norme de performance du réglage	CPS	NERC	The reliability standard that sets the limits of a Balancing Authority's Area Control Error over a specified time period.	2020-06-08	2021-07-01		D-2020-067	R-4104-2019	
Control Room	Salle de commande		Québec	Site where are located systems, terminals or control panel for the monitoring and control of a generating or transmission facility. The control room is located in the same facility it operates and can also be used for the monitoring or control of other facilities on the same site (generating facility's switchyard, adjacent generating facility).	2020-06-08	2021-07-01		D-2020-067	R-4104-2019	

English Term	French Term	Acronym	Source	English Definition	Adoption Date	Effective Date QC	Retirement Date QC	Régie Decision	Régie Docket	Note
Corrective Action Plan	Plan d'actions correctives		NERC	A list of actions and an associated timetable for implementation to remedy a specific problem.	2015-06-23	2015-06-23		D-2015-098	R-3699-2009	
Cranking Path	Chemin de démarrage		NERC	A portion of the electric system that can be isolated and then energized to deliver electric power from a generation source to enable the startup of one or more other generating units.	2015-06-23	2015-06-23		D-2015-098	R-3699-2009	
Curtailement	Réduction		NERC	A reduction in the scheduled capacity or energy delivery of an Interchange Transaction.	2015-06-23	2015-06-23		D-2015-098	R-3699-2009	
Curtailement Threshold	Seuil de réduction des transactions		NERC	The minimum Transfer Distribution Factor which, if exceeded, will subject an Interchange Transaction to curtailment to relieve a transmission facility constraint.	2017-02-14	2017-02-14		D-2017-015	R-3997-2016	
Cyber Assets	Actifs électroniques		NERC	Programmable electronic devices, including the hardware, software, and data in those devices.	2015-06-23	2015-06-23		D-2015-098	R-3699-2009	
Cyber Security Incident	Incident de cybersécurité		NERC	A malicious act or suspicious event that : • Compromises, or was an attempt to compromise, the Electronic Security Perimeter or Physical Security Perimeter, or, • Disrupts, or was an attempt to disrupt, the operation of a BES Cyber System.	2015-06-23	2015-06-23		D-2015-098	R-3699-2009	
Cyber Security Incident	Incident de cybersécurité		NERC	A malicious act or suspicious event that: • For a high or medium impact BES Cyber System, compromises or attempts to compromise (1) an Electronic Security Perimeter, (2) a Physical Security Perimeter, or (3) an Electronic Access Control or Monitoring System; or • Disrupts or attempts to disrupt the operation of a BES Cyber System.	2015-06-23	2015-06-23		D-2015-098	R-3699-2009	
Delayed Fault Clearing	Élimination retardée d'un défaut		NERC	Fault clearing consistent with correct operation of a breaker failure protection system and its associated breakers, or of a backup protection system with an intentional time delay.	2015-06-23	2015-06-23		D-2015-098	R-3699-2009	
Demand	Demande		NERC	1. The rate at which electric energy is delivered to or by a system or part of a system, generally expressed in kilowatts or megawatts, at a given instant or averaged over any designated interval of time. 2. The rate at which energy is being used by the customer.	2017-02-03	2017-02-03		D-2017-012	R-3944-2015 R-3949-2015 R-3957-2015	
Demand-Side Management	Gestion de la demande	DSM	NERC	All activities or programs undertaken by any applicable entity to achieve a reduction in Demand.	2015-06-23	2015-06-23		D-2015-098	R-3699-2009	
Dial-up Connectivity	Connectivité par lien commuté		NERC	A data communication link that is established when the communication equipment dials a phone number and negotiates a connection with the equipment on the other end of the link.	2015-06-23	2015-06-23		D-2015-098	R-3699-2009	
Direct Control Load Management	Gestion des charges modulables	DCLM	NERC	Demand-Side Management that is under the direct control of the system operator. DCLM may control the electric supply to individual appliances or equipment on customer premises. DCLM as defined here does not include Interruptible Demand.	2015-06-23	2015-06-23		D-2015-098	R-3699-2009	
Dispatch Order	Consigne de répartition		NERC	A set of dispatch rules such that given a specific amount of load to serve, an approximate generation dispatch can be determined. To accomplish this, each generator is ranked by priority.	2019-12-19	2019-12-19		D-2019-178	R-3997-2016	
Dispersed Load by Substations	Charge répartie par poste		NERC	Substation load information configured to represent a system for power flow or system dynamics modeling purposes, or both.	2015-06-23	2015-06-23		D-2015-098	R-3699-2009	

English Term	French Term	Acronym	Source	English Definition	Adoption Date	Effective Date QC	Retirement Date QC	Régie Decision	Régie Docket	Note
Dispersed Power Producing Ressources	Ressources de production décentralisées		NERC	Dispersed Power Producing Resources are small-scale power generation technologies using a system designed primarily for aggregating capacity providing an alternative to, or an enhancement of, the traditional electric power system. Examples include but are not limited to: solar, geothermal, energy storage, flywheels, wind, micro-turbines, and fuel cells.  When a generating facility included in the RTP is made up of Dispersed Power Producing Resources that are connected through a system designed primarily for delivering such capacity to a common point of connection, the facilities designated as being part of the RTP are: a) the individual power producing resources; and b) the system designed primarily for delivering such capacity from the point where those resources aggregate to greater than 75 MVA to a common point of connection for a generating facility with a capacity of 75 MVA or above (gross nameplate rating); OR  the system designed primarily for delivering such capacity from the point where those resources aggregate to reach or exceed 50 MVA to a common point of connection for a generating facility with a capacity of between 50 and 75 MVA (gross nameplate rating).	2017-09-27	2017-09-27		D-2017-110	R-3944-2015 R-3949-2015 R-3957-2015	
Distribution Factor	Facteur de répartition	DF	NERC	The portion of an Interchange Transaction, typically expressed in per unit that flows across a transmission facility (Flowgate).	2016-12-22	2016-12-22		D-2016-195	R-3944-2015 R-3949-2015 R-3957-2015	
Distribution Provider	Distributeur	DP	NERC	Provides and operates the "wires" between the transmission system and the end-use customer. For those end-use customers who are served at transmission voltages, the Transmission Owner also serves as the Distribution Provider. Thus, the Distribution Provider is not defined by a specific voltage, but rather as performing the Distribution function at any voltage.	2015-06-23	2015-06-23		D-2015-098	R-3699-2009	
Disturbance	Perturbation		NERC	1. An unplanned event that produces an abnormal system condition. 2. Any perturbation to the electric system. 3. The unexpected change in ACE that is caused by the sudden failure of generation or interruption of load.	2015-06-23	2015-06-23		D-2015-098	R-3699-2009	
Disturbance Control Standard	Norme de contrôle en régime perturbé	DCS	NERC	The reliability standard that sets the time limit following a Disturbance within which a Balancing Authority must return its Area Control Error to within a specified range.	2015-06-23	2015-06-23		D-2015-098	R-3699-2009	
Disturbance Monitoring Equipment	Équipement de surveillance des perturbations	DME	NERC	Devices capable of monitoring and recording system data pertaining to a Disturbance. Such devices include the following categories of recorders • Sequence of event recorders which record equipment response to the event • Fault recorders, which record actual waveform data replicating the system primary voltages and currents. This may include protective relays. • Dynamic Disturbance Recorders (DDRs), which record incidents that portray power system behavior during dynamic events such as low-frequency (0.1 Hz – 3 Hz) oscillations and abnormal frequency or voltage excursions.	2015-06-23	2015-06-23		D-2015-098	R-3699-2009	Phasor Measurement Units and any other equipment that meets the functional requirements of DMEs may qualify as DMEs.
Dynamic Interchange Schedule or Dynamic Schedule	Programme d'échange dynamique		NERC	A time-varying energy transfer that is updated in Real-time and included in the Scheduled Net Interchange (NIS) term in the same manner as an Interchange Schedule in the affected Balancing Authorities' control ACE equations (or alternate control processes).	2015-06-23	2015-06-23		D-2015-098	R-3699-2009	
Dynamic Transfer	Transfert dynamique		NERC	The provision of the real-time monitoring, telemetering, computer software, hardware, communications, engineering, energy accounting (including inadvertent interchange), and administration required to electronically move all or a portion of the real energy services associated with a generator or load out of one Balancing Authority Area into another.	2015-06-23	2015-06-23		D-2015-098	R-3699-2009	
Economic Dispatch	Répartition optimale de la production		NERC	The allocation of demand to individual generating units on line to effect the most economical production of electricity.	2015-06-23	2015-06-23		D-2015-098	R-3699-2009	

English Term	French Term	Acronym	Source	English Definition	Adoption Date	Effective Date QC	Retirement Date QC	Régie Decision	Régie Docket	Note
<b>Electronic Access Control or Monitoring Systems</b>	<b>Systèmes de contrôle ou de surveillance des accès électroniques</b>	EACMS	NERC	Cyber Assets that perform electronic access control or electronic access monitoring of the Electronic Security Perimeter(s) or BES Cyber Systems. This includes Intermediate Devices.	2015-06-23	2015-06-23		D-2015-098	R-3699-2009	
<b>Electronic Access Point</b>	<b>Point d'accès électronique</b>	EAP	NERC	A Cyber Asset interface on an Electronic Security Perimeter that allows routable communication between Cyber Assets outside an Electronic Security Perimeter and Cyber Assets inside an Electronic Security Perimeter.	2015-06-23	2015-06-23		D-2015-098	R-3699-2009	
<b>Electronic Security Perimeter</b>	<b>Point d'accès électronique</b>	ESP	NERC	The logical border surrounding a network to which BES Cyber Systems are connected using a routable protocol.	2017-02-03	2017-02-03		D-2017-012	R-3944-2015 R-3949-2015 R-3957-2015	
<b>Element</b>	<b>Élément</b>		NERC	Any electrical device with terminals that may be connected to other electrical devices such as a generator, transformer, circuit breaker, bus section, or transmission line. An element may be comprised of one or more components.	2017-02-03	2017-02-03		D-2017-012	R-3944-2015 R-3949-2015 R-3957-2015	
<b>Emergency or BES Emergency</b>	<b>Urgence ou urgence sur le système de production-transport d'électricité (BES)</b>		NERC	Any abnormal system condition that requires automatic or immediate manual action to prevent or limit the failure of transmission facilities or generation supply that could adversely affect the reliability of the Bulk Electric System.	2017-02-03	2017-02-03		D-2017-012	R-3944-2015 R-3949-2015 R-3957-2015	
<b>Emergency Rating</b>	<b>Caractéristiques assignées en situation d'urgence</b>		NERC	The rating as defined by the equipment owner that specifies the level of electrical loading or output, usually expressed in megawatts (MW) or Mvar or other appropriate units, that a system, facility, or element can support, produce, or withstand for a finite period. The rating assumes acceptable loss of equipment life or other physical or safety limitations for the equipment involved.	2017-02-03	2017-02-03		D-2017-012	R-3944-2015 R-3949-2015 R-3957-2015	
<b>Emergency Request for Interchange (Emergency RFI)</b>	<b>Demande d'échange d'urgence</b>		NERC	Request for Interchange to be initiated for Emergency or Energy Emergency conditions	2015-06-23	2015-06-23		D-2015-098	R-3699-2009	
<b>Energy Emergency</b>	<b>Défaillance en énergie</b>		NERC	A condition when a Load-Serving Entity or Balancing Authority has exhausted all other resource options and can no longer meet its expected Load obligations.	2015-06-23	2015-06-23		D-2015-098	R-3699-2009	
<b>Equipment Rating</b>	<b>Caractéristiques assignées d'un équipement</b>		NERC	The maximum and minimum voltage, current, frequency, real and reactive power flows on individual equipment under steady state, short-circuit and transient conditions, as permitted or assigned by the equipment owner.	2015-06-23	2015-06-23	2021-06-30	D-2015-098	R-3699-2009	
<b>Existing Transmission Commitments</b>	<b>Engagements de transport en vigueur ou Quantité de services de transport déjà engagés.</b>	ETC	NERC	Committed uses of a Transmission Service Provider's Transmission system considered when determining ATC or AFC.	2020-06-08	2021-07-01		D-2020-067	R-4104-2019	Terme en usage dans la version française du document « Tarifs et conditions des services de transport d'Hydro-Québec »
<b>External Routable Connectivity</b>	<b>Connectivité externe routable</b>		NERC	The logical border surrounding a network to which BES Cyber Systems are connected using a routable protocol.	2020-06-08	2021-07-01		D-2020-067	R-4104-2019	
<b>Facility</b>	<b>Installation</b>		NERC	A set of electrical equipment that operates as a single Bulk Electric System Element (e.g., a line, a generator, a shunt compensator, transformer, etc.).	2015-06-23	2015-06-23	2021-06-30	D-2015-098	R-3699-2009	

English Term	French Term	Acronym	Source	English Definition	Adoption Date	Effective Date QC	Retirement Date QC	Régie Decision	Régie Docket	Note
Facility Rating	Caractéristiques assignées d'une installation		NERC	The maximum or minimum voltage, current, frequency, or real or reactive power flow through a facility that does not violate the applicable equipment rating of any equipment comprising the facility.	2015-06-23	2015-06-23		D-2015-098	R-3699-2009	
Fault	Défaut		NERC	An event occurring on an electric system such as a short circuit, a broken wire, or an intermittent connection.	2015-06-23	2015-06-23		D-2015-098	R-3699-2009	
Fire Risk	Risque d'incendie		NERC	The likelihood that a fire will ignite or spread in a particular geographic area.	2015-06-23	2015-06-23		D-2015-098	R-3699-2009	
Firm Demand	Demande ferme		NERC	That portion of the Demand that a power supplier is obligated to provide except when system reliability is threatened or during emergency conditions.	2015-06-23	2015-06-23		D-2015-098	R-3699-2009	
Firm Transmission Service	Service de transport ferme		NERC	The highest quality (priority) service offered to customers under a filed rate schedule that anticipates no planned interruption.	2016-12-22	2016-12-22		D-2016-195	R-3944-2015 R-3949-2015 R-3957-2015	
Flashover	Contournement électrique		NERC	An electrical discharge through air around or over the surface of insulation, between objects of different potential, caused by placing a voltage across the air space that results in the ionization of the air space.	2015-06-23	2015-06-23		D-2015-098	R-3699-2009	
Flowgate	Interface de transit		NERC	1. A portion of the Transmission system through which the Interchange Distribution Calculator calculates the power flow from Interchange Transactions. 2. A mathematical construct, comprised of one or more monitored transmission Facilities and optionally one or more contingency Facilities, used to analyse the impact of power flows upon the Bulk Electric System.	2015-06-23	2015-06-23		D-2015-098	R-3699-2009	
Flowgate Methodology	Méthodologie des interfaces de transit		NERC	The Flowgate methodology is characterized by identification of key Facilities as Flowgates. Total Flowgate Capabilities are determined based on Facility Ratings and voltage and stability limits. The impacts of Existing Transmission Commitments (ETCs) are determined by simulation. The impacts of ETC, Capacity Benefit Margin (CBM) and Transmission Reliability Margin (TRM) are subtracted from the Total Flowgate Capability, and Postbacks and counterflows are added, to determine the Available Flowgate Capability (AFC) value for that Flowgate. AFCs can be used to determine Available Transfer Capability (ATC).	2015-06-23	2015-06-23		D-2015-098	R-3699-2009	
Forced Outage	Indisponibilité forcée		NERC	1. The removal from service availability of a generating unit, transmission line, or other facility for emergency reasons. 2. The condition in which the equipment is unavailable due to unanticipated failure.	2015-06-23	2015-06-23		D-2015-098	R-3699-2009	
Frequency Bias	Compensation en fréquence		NERC	A value, usually expressed in megawatts per 0.1 Hertz (MW/0.1 Hz), associated with a Balancing Authority Area that approximates the Balancing Authority Area's response to Interconnection frequency error.	2015-06-23	2015-06-23		D-2015-098	R-3699-2009	
Frequency Bias Setting	Réglage de la compensation en fréquence		NERC	A number, either fixed or variable, usually expressed in MW/0.1 Hz, included in a Balancing Authority's Area Control Error equation to account for the Balancing Authority's inverse Frequency Response contribution to the Interconnection, and discourage response withdrawal through secondary control systems.	2015-06-23	2015-06-23		D-2015-098	R-3699-2009	
Frequency Deviation	Déviation de fréquence		NERC	A change in Interconnection frequency.	2015-06-23	2015-06-23		D-2015-098	R-3699-2009	
Frequency Error	Écart de fréquence		NERC	The difference between the actual and scheduled frequency. ( $F_A - F_S$ ).	2020-06-08	2021-07-01		D-2020-067	R-4104-2019	



English Term	French Term	Acronym	Source	English Definition	Adoption Date	Effective Date QC	Retirement Date QC	Régie Decision	Régie Docket	Note
Frequency Regulation	Réglage de la fréquence		NERC	The ability of a Balancing Authority to help the Interconnection maintain Scheduled Frequency. This assistance can include both turbine governor response and Automatic Generation Control.	2015-06-23	2015-06-23		D-2015-098	R-3699-2009	
Frequency Response	Réponse en fréquence		NERC	(Equipment) The ability of a system or elements of the system to react or respond to a change in system frequency. (System) The sum of the change in demand, plus the change in generation, divided by the change in frequency, expressed in megawatts per 0.1 Hertz (MW/0.1 Hz).	2017-09-27	2017-09-27		D-2017-110	R-3944-2015 R-3949-2015 R-3957-2015	
Frequency Response Measure	Mesure de la réponse en fréquence	FRM	NERC	The median of all the Frequency Response observations reported annually by Balancing Authorities or Frequency Response Sharing Groups for frequency events specified by the ERO. This will be calculated as MW/0.1Hz.	2017-06-16	2017-06-16		D-2017-061	R-4001-2017	
Frequency Response Obligation	Obligation de réponse en fréquence	FRO	NERC	The Balancing Authority's share of the required Frequency Response needed for the reliable operation of an Interconnection. This will be calculated as MW/0.1Hz.	2015-06-23	2015-06-23		D-2015-098	R-3699-2009	
Frequency Response Sharing Group	Groupe de partage de la réponse en fréquence	FRSG	NERC	A group whose members consist of two or more Balancing Authorities that collectively maintain, allocate, and supply operating resources required to jointly meet the sum of the Frequency Response Obligations of its members.	2015-06-23	2015-06-23		D-2015-098	R-3699-2009	
Generation Capability Import Requirement	Capacité de production requise en importation	GCIR	NERC	The amount of generation capability from external sources identified by a Load-Serving Entity (LSE) or Resource Planner (RP) to meet its generation reliability or resource adequacy requirements as an alternative to internal resources.	2015-06-23	2015-06-23		D-2015-098	R-3699-2009	
Generator Operator	Exploitant d'installation de production	GOP	NERC	The entity that operates generating unit(s) and performs the functions of supplying energy and Interconnected Operations Services.	2015-06-23	2015-06-23		D-2015-098	R-3699-2009	
Generator Owner	Propriétaire d'installation de production	GOP	NERC	Entity that owns and maintains generating units.	2015-06-23	2015-06-23		D-2015-098	R-3699-2009	
Generator Shift Factor	Facteur de changement de la production	GSF	NERC	A factor to be applied to a generator's expected change in output to determine the amount of flow contribution that change in output will impose on an identified transmission facility or Flowgate.	2020-06-08	2021-04-01		D-2020-067	R-4104-2019	
Generator-to-Load Distribution Factor	Facteur de répartition production-charge	GLDF	NERC	The algebraic sum of a Generator Shift Factor and a Load Shift Factor to determine the total impact of an Interchange Transaction on an identified transmission facility or Flowgate.	2015-06-23	2015-06-23		D-2015-098	R-3699-2009	
Geomagnetic Disturbance Vulnerability Assessment (GMD Vulnerability Assessment)	Évaluation de vulnérabilité aux perturbations géomagnétiques (Évaluation de vulnérabilité aux PGM)	GMD	NERC	Documented evaluation of potential susceptibility to voltage collapse, Cascading, or localized damage of equipment due to geomagnetic disturbances	2021-02-17	2021-04-01		D-2021-015	R-4123-2020	
Host Balancing Authority	Responsable de l'équilibrage - hôte		NERC	1. A Balancing Authority that confirms and implements Interchange Transactions for a Purchasing Selling Entity that operates generation or serves customers directly within the Balancing Authority's metered boundaries. 2. The Balancing Authority within whose metered boundaries a jointly owned unit is physically located.	2015-06-23	2015-06-23		D-2015-098	R-3699-2009	
Hourly Value	Donnée horaire		NERC	Data measured on a Clock Hour basis.	2015-06-23	2015-06-23		D-2015-098	R-3699-2009	

English Term	French Term	Acronym	Source	English Definition	Adoption Date	Effective Date QC	Retirement Date QC	Régie Decision	Régie Docket	Note
Implemented Interchange	Échange mis en oeuvre		NERC	The state where the Balancing Authority enters the Confirmed Interchange into its Area Control Error equation.	2015-06-23	2015-06-23		D-2015-098	R-3699-2009	
Inadvertent Interchange	Échange involontaire		NERC	The difference between the Balancing Authority's Net Actual Interchange and Net Scheduled Interchange. (IA – IS).	2015-06-23	2015-06-23		D-2015-098	R-3699-2009	
Independent Power Producer	Producteur indépendant	IPP	NERC	Any entity that owns or operates an electricity generating facility that is not included in an electric utility's rate base. This term includes, but is not limited to, cogenerators and small power producers and all other nonutility electricity producers, such as exempt wholesale generators, who sell electricity.	2015-06-23	2015-06-23		D-2015-098	R-3699-2009	
Interactive Remote Access	Accès distant interactif		NERC	User-initiated access by a person employing a remote access client or other remote access technology using a routable protocol. Remote access originates from a Cyber Asset that is not an Intermediate Device and not located within any of the Responsible Entity's Electronic Security Perimeter(s) or at a defined Electronic Access Point (EAP). Remote access may be initiated from: 1) Cyber Assets used or owned by the Responsible Entity, 2) Cyber Assets used or owned by employees, and 3) Cyber Assets used or owned by vendors, contractors, or consultants. Interactive remote access does not include system-to-system process communications.	2015-06-23	2015-06-23		D-2015-098	R-3699-2009	
Interchange	Échange		NERC	Energy transfers that cross Balancing Authority boundaries.	2015-06-23	2015-06-23		D-2015-098	R-3699-2009	
Interchange Authority	Responsable des échanges	IA	NERC	The responsible entity that authorizes implementation of valid and balanced Interchange Schedules between Balancing Authority Areas, and ensures communication of Interchange information for reliability assessment purposes.	2015-06-23	2015-06-23		D-2015-098	R-3699-2009	
Interchange Distribution Calculator	Logiciel de calcul de la répartition des échanges	IDC	NERC	The mechanism used by Reliability Coordinators in the Eastern Interconnection to calculate the distribution of Interchange Transactions over specific Flowgates. It includes a database of all Interchange Transactions and a matrix of the Distribution Factors for the Eastern Interconnection.	2015-06-23	2015-06-23		D-2015-098	R-3699-2009	
Interchange Meter Error	Erreur de comptage d'échange	IME	NERC	A term used in the Reporting ACE calculation to compensate for data or equipment errors affecting any other components of the Reporting ACE calculation.	2017-02-14	2017-02-14		D-2017-015	R-3997-2016	
Interchange Schedule	Programme d'échange		NERC	An agreed-upon Interchange Transaction size (megawatts), start and end time, beginning and ending ramp times and rate, and type required for delivery and receipt of power and energy between the Source and Sink Balancing Authorities involved in the transaction.	2017-02-14	2017-02-14		D-2017-015	R-3997-2016	
Interchange Transaction	Transaction d'échange		NERC	An agreement to transfer energy from a seller to a buyer that crosses one or more Balancing Authority Area boundaries.	2015-06-23	2015-06-23		D-2015-098	R-3699-2009	
Interchange Transaction Tag or Tag	Étiquette de transaction d'échange Étiquette		NERC	The details of an Interchange Transaction required for its physical implementation.	2015-06-23	2015-06-23		D-2015-098	R-3699-2009	
Interconnected Operations Service	Services d'exploitation en réseaux interconnectés		NERC	A service (exclusive of basic energy and transmission services) that is required to support the reliable operation of interconnected Bulk Electric Systems.	2020-06-08	2021-07-01		D-2020-067	R-4104-2019	
Interconnection	Interconnexion		NERC	When capitalized, any one of the four major electric system networks in North America: Eastern, Western, ERCOT and Quebec.	2019-12-19	2019-12-19		D-2019-178	R-3997-2016	
Interconnection Reliability Operating Limit	Limite d'exploitation pour la fiabilité de l'interconnexion	IROL	NERC	A System Operating Limit that, if violated, could lead to instability, uncontrolled separation, or Cascading Outages that adversely impact the reliability of the Bulk Electric System.	2015-06-23	2015-06-23		D-2015-098	R-3699-2009	

English Term	French Term	Acronym	Source	English Definition	Adoption Date	Effective Date QC	Retirement Date QC	Régie Decision	Régie Docket	Note
Interconnection Reliability Operating Limit T <sub>v</sub>	T <sub>v</sub> de limite d'exploitation pour la fiabilité de l'Interconnexion	IROL T <sub>v</sub>	NERC	The maximum time that an Interconnection Reliability Operating Limit can be violated before the risk to the interconnection or other Reliability Coordinator Area(s) becomes greater than acceptable. Each Interconnection Reliability Operating Limit's T <sub>v</sub> shall be less than or equal to 30 minutes.	2017-02-03	2017-02-03		D-2017-012	R-3944-2015 R-3949-2015 R-3957-2015	
Intermediate Balancing Authority	Responsable de l'équilibrage intermédiaire		NERC	A Balancing Authority on the scheduling path of an Interchange Transaction other than the Source Balancing Authority and Sink Balancing Authority.	2017-02-03	2017-02-03		D-2017-012	R-3944-2015 R-3949-2015 R-3957-2015	
Intermediate System	Système intermédiaire		NERC	A Cyber Asset or collection of Cyber Assets performing access control to restrict Interactive Remote Access to only authorized users. The Intermediate System must not be located inside the Electronic Security Perimeter.	2015-06-23	2015-06-23		D-2015-098	R-3699-2009	
Interpersonal Communication	Communication interpersonnelle		NERC	Any medium that allows two or more individuals to interact, consult, or exchange information.	2015-06-23	2015-06-23		D-2015-098	R-3699-2009	
Interruptible Load or Interruptible Demand	Charge interruptible ou Demande interruptible		NERC	Demand that the end-use customer makes available to its Load-Serving Entity via contract or agreement for curtailment.	2017-09-27	2017-09-27		D-2017-110	R-3944-2015 R-3949-2015 R-3957-2015	
Joint Control	Réglage conjoint		NERC	Automatic Generation Control of jointly owned units by two or more Balancing Authorities.	2017-09-27	2017-09-27		D-2017-110	R-3944-2015 R-3949-2015 R-3957-2015	
Limiting Element	Élément limiteur		NERC	The element that is 1.) Either operating at its appropriate rating, or 2.) Would be following the limiting contingency. Thus, the Limiting Element establishes a system limit.	2015-06-23	2015-06-23		D-2015-098	R-3699-2009	
Load	Charge		1. NERC 2. Québec	1. An end-use device or customer that receives power from the electric system. 2. Power consumed by a customer. (see Demand)	2015-06-23	2015-06-23		D-2015-098	R-3699-2009	
Load Shift Factor	Facteur de changement de charge	LSF	NERC	A factor to be applied to a load's expected change in demand to determine the amount of flow contribution that change in demand will impose on an identified transmission facility or monitored Flowgate.	2016-07-29	2016-07-29	2022-09-30	D-2016-119	R-3947-2015	
Load-Serving Entity	Responsable de l'approvisionnement	LES	NERC	Secures energy and transmission service (and related Interconnected Operations Services) to serve the electrical demand and energy requirements of its end-use customers.	2020-09-10	2022-10-01		D-2020-118	R-4117-2020	
Long-Term Transmission Planning Horizon	Horizon de planification du transport à long terme		NERC	Transmission planning period that covers years six through ten or beyond when required to accommodate any known longer lead time projects that may take longer than ten years to complete.	2016-07-29	2016-07-29	2022-09-30	D-2016-119	R-3947-2015	
Main Transmission System	Réseau de transport principal	RTP	Québec	The transmission system comprised of equipment and lines generally carrying large quantities of energy and of generating facilities of 50 MVA or more, providing control over reliability parameters: • Generation/load balancing • Frequency control • Level of operating reserves • Voltage control of the system and tie lines • Power flows within operating limits • Coordination and monitoring of interchange transactions • Monitoring of special protection systems • System restoration.	2020-09-10	2022-10-01		D-2020-118	R-4117-2020	

English Term	French Term	Acronym	Source	English Definition	Adoption Date	Effective Date QC	Retirement Date QC	Régie Decision	Régie Docket	Note
Minimum Vegetation Clearance Distance	Distance de dégagement minimale de la végétation	MVCD	NERC	The calculated minimum distance stated in feet (meters) to prevent flash-over between conductors and vegetation, for various latitudes and operating voltages.	2015-06-23	2015-06-23		D-2015-098	R-3699-2009	
Misoperation	Fonctionnement incorrect		NERC	The failure of a Composite Protection System to operate as intended for protection purposes. Any of the following is a Misoperation: 1. Failure to Trip – During Fault – A failure of a Composite Protection System to operate for a Fault condition for which it is designed. The failure of a Protection System component is not a Misoperation as long as the performance of the Composite Protection System is correct. 2. Failure to Trip – Other Than Fault – A failure of a Composite Protection System to operate for a non-Fault condition for which it is designed, such as a power swing, undervoltage, overexcitation, or loss of excitation. The failure of a Protection System component is not a Misoperation as long as the performance of the Composite Protection System is correct. 3. Slow Trip – During Fault – A Composite Protection System operation that is slower than required for a Fault condition if the duration of its operating time resulted in the operation of at least one other Element's Composite Protection System. 4. Slow Trip – Other Than Fault – A Composite Protection System operation that is slower than required for a non-Fault condition, such as a power swing, undervoltage, overexcitation, or loss of excitation, if the duration of its operating time resulted in the operation of at least one other Element's Composite Protection System. 5. Unnecessary Trip – During Fault – An unnecessary Composite Protection System operation for a Fault condition on another Element. 6. Unnecessary Trip – Other Than Fault – An unnecessary Composite Protection System operation for a non-Fault condition. A Composite Protection System operation that is	2016-07-29	2016-07-29		D-2016-119	R-3947-2015	
Misoperation continued	Fonctionnement incorrect suite		NERC	caused by personnel during on-site maintenance, testing, inspection, construction, or commissioning activities is not a Misoperation.	2015-06-23	2015-06-23		D-2015-098	R-3699-2009	
Most Severe Single Contingency	Contingence simple la plus grave	MSSC	NERC	The Balancing Contingency Event, due to a single contingency identified using system models maintained within the Reserve Sharing Group (RSG) or a Balancing Authority's area that is not part of a Reserve Sharing Group, that would result in the greatest loss (measured in MW) of resource output used by the RSG or a Balancing Authority that is not participating as a member of a RSG at the time of the event to meet Firm Demand and export obligation (excluding export obligation for which Contingency Reserve obligations are being met by the Sink Balancing Authority).	2015-06-23	2015-06-23		D-2015-098	R-3699-2009	
Native Balancing Authority	Responsable de l'équilibrage délégué		NERC	A Balancing Authority from which a portion of its physically interconnected generation and/or load is transferred from its effective control boundaries to the Attaining Balancing Authority through a Dynamic Transfer.	2016-12-22	2016-12-22		D-2016-195	R-3944-2015 R-3949-2015 R-3957-2015	
Native Load	Charge locale		NERC	The end-use customers that the Load-Serving Entity is obligated to serve.	2017-02-03	2017-02-03		D-2017-012	R-3944-2015 R-3949-2015 R-3957-2015	
Near-Term Transmission Planning Horizon	Horizon de planification du transport à court terme		NERC	The transmission planning period that covers Year One through five.	2015-06-23	2015-06-23		D-2015-098	R-3699-2009	
Net Actual Interchange	Échange réel net	NI <sub>A</sub>	NERC	The algebraic sum of all metered interchange over all interconnections between two physically Adjacent Balancing Authority Areas.	2015-06-23	2015-06-23		D-2015-098	R-3699-2009	
Net Energy for Load	Énergie disponible nette	NEL	NERC	Net Balancing Authority Area generation, plus energy received from other Balancing Authority Areas, less energy delivered to Balancing Authority Areas through interchange. It includes Balancing Authority Area losses but excludes energy required for storage at energy storage facilities.	2015-06-23	2015-06-23		D-2015-098	R-3699-2009	
Net Scheduled Interchange	Échange programmé net		NERC	The algebraic sum of all Interchange Schedules across a given path or between Balancing Authorities for a given period or instant in time.	2015-06-23	2015-06-23		D-2015-098	R-3699-2009	

English Term	French Term	Acronym	Source	English Definition	Adoption Date	Effective Date QC	Retirement Date QC	Régie Decision	Régie Docket	Note
Network Integration Transmission Service	Service de transport en réseau intégré		NERC	Service that allows an electric transmission customer to integrate, plan, economically dispatch and regulate its network reserves in a manner comparable to that in which the Transmission Owner serves Native Load customers.	2015-06-23	2015-06-23		D-2015-098	R-3699-2009	
Non-Consequential Load Loss	Perte de charge non subordonnée		NERC	Non-Interruptible Load loss that does not include: (1) Consequential Load Loss, (2) the response of voltage sensitive Load, or (3) Load that is disconnected from the System by end-user equipment.	2015-06-23	2015-06-23		D-2015-098	R-3699-2009	
Non-Firm Transmission Service	Service de transport non ferme		NERC	Transmission service that is reserved on an as-available basis and is subject to curtailment or interruption.	2015-06-23	2015-06-23		D-2015-098	R-3699-2009	
Non-Spinning Reserve	Réserve arrêtée		NERC	1. That generating reserve not connected to the system but capable of serving demand within a specified time. 2. Interruptible load that can be removed from the system in a specified time.	2015-06-23	2015-06-23		D-2015-098	R-3699-2009	
Normal Clearing	Élimination normale d'un défaut		NERC	A protection system operates as designed and the fault is cleared in the time normally expected with proper functioning of the installed protection systems.	2015-06-23	2015-06-23		D-2015-098	R-3699-2009	
Normal Rating	Caractéristiques assignées en situation normale		NERC	The rating as defined by the equipment owner that specifies the level of electrical loading, usually expressed in megawatts (MW) or other appropriate units that a system, facility, or element can support or withstand through the daily demand cycles without loss of equipment life.	2017-02-03	2017-02-03		D-2017-012	R-3944-2015 R-3949-2015 R-3957-2015	
North American Interconnected Power System	Réseau interconnecté d'Amérique du Nord		Québec	See "Bulk Electric System".	2015-06-23	2015-06-23		D-2015-098	R-3699-2009	
Not connected to the RTP	Non raccordé au RTP		Québec	An element is said to be " not connected to the RTP " if no continuous series of RTP elements exists connecting it to the RTP.	2015-06-23	2015-06-23		D-2015-098	R-3699-2009	
Nuclear Plant Generator Operator	Exploitant de centrale nucléaire	NUC OP	NERC	Any Generator Operator or Generator Owner that is a Nuclear Plant Licensee responsible for operation of a nuclear facility licensed to produce commercial power.	2015-06-23	2015-06-23		D-2015-098	R-3699-2009	
Nuclear Plant Interface Requirements	Exigences relatives à l'interface de centrale nucléaire	NPIR	NERC	The requirements based on NPLRs and Bulk Electric System requirements that have been mutually agreed to by the Nuclear Plant Generator Operator and the applicable Transmission Entities.	2015-06-23	2015-06-23		D-2015-098	R-3699-2009	
Nuclear Plant Licensing Requirements	Exigences de délivrance d'un permis de centrale nucléaire	NPLR	NERC	Requirements included in the design basis of the nuclear plant and statutorily mandated for the operation of the plant, including nuclear power plant licensing requirements for: 1) Off-site power supply to enable safe shutdown of the plant during an electric system or plant event; and 2) Avoiding preventable challenges to nuclear safety as a result of an electric system disturbance, transient, or condition.	2015-06-23	2015-06-23		D-2015-098	R-3699-2009	
Nuclear Plant Off-site Power Supply (Off-site Power)	Alimentation électrique externe de centrale nucléaire		NERC	The electric power supply provided from the electric system to the nuclear power plant distribution system as required per the nuclear power plant license.	2020-06-03	2020-06-03		D-2020-066	R-3996-2016	
Off-Peak	Hors pointe		NERC	Those hours or other periods defined by NAESB business practices, contract, agreements, or guides as periods of lower electrical demand.	2020-06-03	2020-06-03		D-2020-066	R-3996-2016	
On-Peak	En pointe		NERC	Those hours or other periods defined by NAESB business practices, contract, agreements, or guides as periods of higher electrical demand.	2020-06-03	2020-06-03		D-2020-066	R-3996-2016	

English Term	French Term	Acronym	Source	English Definition	Adoption Date	Effective Date QC	Retirement Date QC	Régie Decision	Régie Docket	Note
Open Access Same Time Information Service	Système d'information et de réservation des capacités de transport	OASIS	NERC	An electronic posting system that the Transmission Service Provider maintains for transmission access data and that allows all transmission customers to view the data simultaneously.	2018-09-18	2018-09-18		D-2018-130	R-3944-2015 R-3949-2015 R-3957-2015	
Open Access Transmission Tariff	Tarifs et conditions des services de transport	OATT	NERC	Electronic transmission tariff accepted by the U.S. Federal Energy Regulatory Commission requiring the Transmission Service Provider to furnish to all shippers with non-discriminating service comparable to that provided by Transmission Owners to themselves.	2015-06-23	2015-06-23		D-2015-098	R-3699-2009	
Operating Instruction	Instruction d'exploitation		NERC	A command by operating personnel responsible for the Real-time operation of the interconnected Bulk Electric System to change or preserve the state, status, output, or input of an Element of the Bulk Electric System or Facility of the Bulk Electric System. (A discussion of general information and of potential options or alternatives to resolve Bulk Electric System operating concerns is not a command and is not considered an Operating Instruction.)	2015-06-23	2015-06-23		D-2015-098	R-3699-2009	
Operating Plan	Plan d'exploitation		NERC	A document that identifies a group of activities that may be used to achieve some goal. An Operating Plan may contain Operating Procedures and Operating Processes. A company-specific system restoration plan that includes an Operating Procedure for black-starting units, Operating Processes for communicating restoration progress with other entities, etc., is an example of an Operating Plan.	2017-02-03	2017-02-03		D-2017-012	R-3944-2015 R-3949-2015 R-3957-2015	
Operating Procedure	Procédure d'exploitation		NERC	A document that identifies specific steps or tasks that should be taken by one or more specific operating positions to achieve specific operating goal(s). The steps in an Operating Procedure should be followed in the order in which they are presented, and should be performed by the position(s) identified. A document that lists the specific steps for a system operator to take in removing a specific transmission line from service is an example of an Operating Procedure.	2015-06-23	2015-06-23		D-2015-098	R-3699-2009	
Operating Process	Processus d'exploitation		NERC	A document that identifies general steps for achieving a generic operating goal. An Operating Process includes steps with options that may be selected depending upon Real-time conditions. A guideline for controlling high voltage is an example of an Operating Process.	2016-07-29	2016-07-29		D-2016-119	R-3947-2015	
Operating Reserve	Réserve d'exploitation		NERC	That capability above firm system demand required to provide for regulation, load forecasting error, equipment forced and scheduled outages and local area protection. It consists of spinning and non-spinning reserve.	2020-06-08	2021-04-01		D-2020-067	R-4104-2019	
Operating Reserve – Spinning	Réserve d'exploitation synchronisée		NERC	The portion of Operating Reserve consisting of: • Generation synchronized to the system and fully available to serve load within the Disturbance Recovery Period following the contingency event; or • Load fully removable from the system within the Disturbance Recovery Period following the contingency event.	2020-06-08	2021-04-01		D-2020-067	R-4104-2019	
Operating Reserve – Supplemental	Réserve d'exploitation supplémentaire		NERC	The portion of Operating Reserve consisting of: • Generation (synchronized or capable of being synchronized to the system) that is fully available to serve load within the Disturbance Recovery Period following the contingency event; or • Load fully removable from the system within the Disturbance Recovery Period following the contingency event.	2016-12-22	2016-12-22		D-2016-195	R-3944-2015 R-3949-2015 R-3957-2015	
Operating Voltage	Tension d'exploitation		NERC	The voltage level by which an electrical system is designated and to which certain operating characteristics of the system are related; also, the effective (root-mean-square) potential difference between any two conductors or between a conductor and the ground. The actual voltage of the circuit may vary somewhat above or below this value.	2017-09-27	2017-09-27		D-2017-110	R-3944-2015 R-3949-2015 R-3957-2015	
Operational Planning Analysis	Analyse de planification opérationnelle		NERC	An evaluation of projected system conditions to assess anticipated (pre-contingency) and potential (post-contingency) conditions for next-day operations. The evaluation shall reflect applicable inputs including, but not limited to, load forecasts, generation output levels, interchange, known protection system and special protection system status or degradation, transmission outages, generator outages, facility ratings, and identified phase angle and equipment limitations. (Operational planning analysis may be provided through internal systems or through third-party services.)	2017-09-27	2017-09-27		D-2017-110	R-3944-2015 R-3949-2015 R-3957-2015	

English Term	French Term	Acronym	Source	English Definition	Adoption Date	Effective Date QC	Retirement Date QC	Régie Decision	Régie Docket	Note
Operations Support Personnel	Personnel de soutien à l'exploitation		NERC	Individuals who perform current day or next day outage coordination or assessments, or who determine SOLs, IROLs, or operating nomograms, in direct support of Real-time operations of the Bulk Electric System.	2015-06-23	2015-06-23		D-2015-098	R-3699-2009	
Outage Transfer Distribution Factor	Facteur de répartition en cas de panne	OTDF	NERC	In the post-contingency configuration of a system under study, the electric Power Transfer Distribution Factor (PTDF) with one or more system Facilities removed from service (outaged).	2015-06-23	2015-06-23		D-2015-098	R-3699-2009	
Overlap Regulation Service	Service étendu de régulation		NERC	A method of providing regulation service in which the Balancing Authority providing the regulation service incorporates another Balancing Authority's actual interchange, frequency response, and schedules into providing Balancing Authority's AGC/ACE equation.	2015-06-23	2015-06-23		D-2015-098	R-3699-2009	
Participation Factors	Facteurs de participation		NERC	A set of dispatch rules such that given a specific amount of load to serve, an approximate generation dispatch can be determined. To accomplish this, generators are assigned a percentage that they will contribute to serve load.	2015-06-23	2015-06-23		D-2015-098	R-3699-2009	
Peak Demand	Demande de pointe		NERC	1. The highest hourly integrated Net Energy For Load within a Balancing Authority Area occurring within a given period (e.g., day, month, season, or year). 2. The highest instantaneous demand within the Balancing Authority Area.	2020-09-10	2020-09-10		D-2020-118	R-4117-2019	
Performance-Reset Period	Délai de rétablissement de l'état de conformité		NERC	The time period that the entity being assessed must operate without any violations to reset the level of non compliance to zero.	2015-06-23	2015-06-23		D-2015-098	R-3699-2009	
Physical Access Control Systems	Systèmes de contrôle des accès physiques	PACS	NERC	Cyber Assets that control, alert, or log access to the Physical Security Perimeter(s), exclusive of locally mounted hardware or devices at the Physical Security Perimeter such as motion sensors, electronic lock control mechanisms, and badge readers.	2015-06-23	2015-06-23		D-2015-098	R-3699-2009	
Physical Security Perimeter	Périmètre de sécurité physique	PSP	NERC	The physical border surrounding locations in which BES Cyber Assets, BES Cyber Systems, or Electronic Access Control or Monitoring Systems reside, and for which access is controlled.	2015-06-23	2015-06-23		D-2015-098	R-3699-2009	
Planning Assessment	Évaluation de la planification		NERC	Documented evaluation of future Transmission System performance and Corrective Action Plans to remedy identified deficiencies.	2016-07-29	2016-07-29		D-2016-119	R-3947-2015	
Planning Authority	Responsable de la planification	PA	NERC	The responsible entity that coordinates and integrates transmission facility and service plans, resource plans, and protection systems.	2015-06-23	2015-06-23		D-2015-098	R-3699-2009	
Planning Coordinator	Coordonnateur de la planification	PC	NERC	See Planning Authority.	2015-06-23	2015-06-23		D-2015-098	R-3699-2009	
Point of Delivery	Point de livraison	POD	NERC	A location that the Transmission Service Provider specifies on its transmission system where an Interchange Transaction leaves or a Load-Serving Entity receives its energy.	2015-06-23	2015-06-23		D-2015-098	R-3699-2009	
Point of Receipt	Point de réception	POR	NERC	A location that the Transmission Service Provider specifies on its transmission system where an Interchange Transaction enters or a Generator delivers its output.	2015-06-23	2015-06-23		D-2015-098	R-3699-2009	

English Term	French Term	Acronym	Source	English Definition	Adoption Date	Effective Date QC	Retirement Date QC	Régie Decision	Régie Docket	Note
Point to Point Transmission Service	Service de transport de point à point	PTP	NERC	The reservation and transmission of capacity and energy on either a firm or non-firm basis from the Point(s) of Receipt to the Point(s) of Delivery.	2015-06-23	2015-06-23		D-2015-098	R-3699-2009	
Postback	Capacité réofferte		NERC	Positive adjustments to ATC or AFC as defined in Business Practices. Such Business Practices may include processing of redirects and unscheduled service.	2015-06-23	2015-06-23		D-2015-098	R-3699-2009	
Power Transfer Distribution Factor	Facteur de répartition de puissance	PTDF	NERC	In the pre-contingency configuration of a system under study, a measure of the responsiveness or change in electrical loadings on transmission system Facilities due to a change in electric power transfer from one area to another, expressed in percent (up to 100%) of the change in power transfer.	2015-06-23	2015-06-23		D-2015-098	R-3699-2009	
Pre-Reporting Contingency Event ACE Value	Valeur de l'ACE avant déclaration de la contingence		NERC	The average value of Reporting ACE, or Reserve Sharing Group Reporting ACE when applicable, in the 16-second interval immediately prior to the start of the Contingency Event Recovery Period based on EMS scan rate data.	2015-06-23	2015-06-23		D-2015-098	R-3699-2009	
Pro Forma Tariff	Convention de service de transport type		NERC	Usually refers to the standard OATT and/or associated transmission rights mandated by the U.S. Federal Energy Regulatory Commission Order No. 888.	2017-02-03	2017-02-03		D-2017-012	R-3944-2015 R-3949-2015 R-3957-2015	
Protected Cyber Assets	Actifs électroniques protégés	PCA	NERC	One or more Cyber Assets connected using a routable protocol within or on an Electronic Security Perimeter that is not part of the highest impact BES Cyber System within the same Electronic Security Perimeter. The impact rating of Protected Cyber Assets is equal to the highest rated BES Cyber System in the same ESP.	2016-09-30	2016-09-30		D-2016-150	R-3944-2015 R-3949-2015 R-3957-2015	
Protection System	Système de protection		NERC	Protection System - <ul style="list-style-type: none"> <li>• Protective relays which respond to electrical quantities,</li> <li>• Communications systems necessary for correct operation of protective functions</li> <li>• Voltage and current sensing devices providing inputs to protective relays</li> <li>• Station dc supply associated with protective functions (including station batteries, battery charges, and non-battery-based dc supply), and</li> <li>• Control circuitry associated with protective functions through the trip coil(s) of the circuit breakers or other interrupting devices.</li> </ul>	2017-02-14	2017-02-14		D-2017-015	R-3997-2016	
Protection System Maintenance Program	Programme d'entretien des systèmes de protection	PSMP	NERC	An ongoing program by which Protection System, Automatic Reclosing, and Sudden Pressure Relaying Components are kept in working order and proper operation of malfunctioning Components is restored. A maintenance program for a specific Component includes one or more of the following activities: Verify — Determine that the component is functioning correctly. Monitor — Observe the routine in-service operation of the component. Test — Apply signals to a component to observe functional performance or output behavior, or to diagnose problems. Inspect — Examine for signs of component failure, reduced performance or degradation. Calibrate — Adjust the operating threshold or measurement accuracy of a measuring element to meet the intended performance requirement.	2020-12-11	2020-12-11		D-2020-167	R-4070-2018	
Pseudo-Tie	Pseudo-interconnexion		NERC	A time-varying energy transfer that is updated in Real-time and included in the Actual Net Interchange term (NIA) in the same manner as a Tie Line in the affected Balancing Authorities' control ACE equations (or alternate control processes).	2015-06-23	2015-06-23		D-2015-098	R-3699-2009	
Pseudo-Tie	Pseudo-interconnexion		NERC	A time-varying energy transfer that is updated in Real-time and included in the Actual Net Interchange term (NIA) in the same manner as a Tie Line in the affected Balancing Authorities' Reporting ACE equation (or alternate control processes).	2015-06-23	2015-06-23		D-2015-098	R-3699-2009	
Purchasing-Selling Entity	Négociant	PSE	NERC	The entity that purchases or sells, and takes title to, energy, capacity, and Interconnected Operations Services. Purchasing-Selling Entities may be affiliated or unaffiliated merchants and may or may not own generating facilities	2017-02-03		2021-06-30	D-2017-012	R-3944-2015 R-3949-2015 R-3957-2015	



English Term	French Term	Acronym	Source	English Definition	Adoption Date	Effective Date QC	Retirement Date QC	Régie Decision	Régie Docket	Note
Ramp Rate or Ramp	Taux de rampe ou Rampe		NERC	(Schedule) The rate, expressed in megawatts per minute, at which the interchange schedule is attained during the ramp period. (Generator) The rate, expressed in megawatts per minute, that a generator changes its output.	2020-06-08	2021-07-01		D-2020-067	R-4104-2019	
Rated Electrical Operating Conditions	Conditions d'exploitation électriques assignées		NERC	The specified or reasonably anticipated conditions under which the electrical system or an individual electrical circuit is intend/designed to operate.	2018-09-18	2018-09-18		D-2018-130	R-3944-2015 R-3949-2015 R-3957-2015	
Rated System Path Methodology	Méthodologie par chemin de transport spécifique		NERC	The Rated System Path Methodology is characterized by an initial Total Transfer Capability (TTC), determined via simulation. Capacity Benefit Margin, Transmission Reliability Margin, and Existing Transmission Commitments are subtracted from TTC, and Postbacks and counterflows are added as applicable, to derive Available Transfer Capability. Under the Rated System Path Methodology, TTC results are generally reported as specific transmission path capabilities.	2015-06-23	2015-06-23		D-2015-098	R-3699-2009	
Rating	Caractéristiques assignées		NERC	The operational limits of a transmission system element under a set of specified conditions.	2015-06-23	2015-06-23		D-2015-098	R-3699-2009	
Reactive Power	Puissance réactive		NERC	The portion of electricity that establishes and sustains the electric and magnetic fields of alternating-current equipment. Reactive Power must be supplied to most types of magnetic equipment, such as motors and transformers. It also must supply the reactive losses on transmission facilities. Reactive Power is provided by generators, synchronous condensers, or electrostatic equipment such as capacitors and directly influences electric system voltage. It is usually expressed in kilovars (kvar) or megavars (Mvar).	2021-02-17	2021-02-17		D-2021-015	R-4123-2020	
Reallocation	Réaffectation (de transatctions)		NERC	The total or partial curtailment of Transactions during TLR Level 3a or 5a to allow Transactions using higher priority to be implemented.	2015-06-23	2015-06-23		D-2015-098	R-3699-2009	
Real Power	Puissance active		NERC	The portion of electricity that supplies energy to the Load.	2021-02-17	2021-02-17		D-2021-015	R-4123-2020	
Real-time	Temps réel		NERC	Present time as opposed to future time. (From Interconnection Reliability Operating Limits standard.)	2015-06-23	2015-06-23		D-2015-098	R-3699-2009	
Real-time Assessment	Évaluation en temps réel		NERC	An evaluation of system conditions using real-time data to assess existing (pre-contingency) and potential (post-contingency) operating conditions. The evaluation shall reflect applicable inputs including, but not limited to, load, generation output levels, known protection system and special protection system status or degradation, transmission outages, generator outages, interchange, facility ratings, and identified phase angle and equipment limitations. (Real-time assessment may be provided through internal systems or through third-party services.)	2015-06-23	2015-06-23		D-2015-098	R-3699-2009	
Receiving Balancing Authority	Zone d'équilibrage réceptrice		NERC	The Balancing Authority importing the Interchange.	2015-06-23	2015-06-23	2021-06-30	D-2015-098	R-3699-2009	
Regional Reliability Organization (Regional Entity)	Organisation régionale de fiabilité (Entité Régionale)	RRO	NERC	1. An entity that ensures that a defined area of the Bulk Electric System is reliable, adequate and secure. 2. A member of the North American Electric Reliability Council. The Regional Reliability Organization can serve as The Compliance Monitor.	2020-06-08	2021-07-01		D-2020-067	R-4104-2019	Note from direction – Contrôle des mouvements d'énergie: The Regional Reliability Organization (Regional Entity) for Quebec is the Northeast Power Coordinating Council (NPCC)

English Term	French Term	Acronym	Source	English Definition	Adoption Date	Effective Date QC	Retirement Date QC	Régie Decision	Régie Docket	Note
Regional Reliability Plan	Plan de fiabilité régional	RRP	NERC	The plan that specifies the Reliability Coordinators and Balancing Authorities within the Regional Reliability Organization, and explains how reliability coordination will be accomplished.	2015-06-23	2015-06-23		D-2015-098	R-3699-2009	
Register of Entities Subject to Reliability Rstandards (Register of Entities)	Registre des entités visées par les normes de fiabilité (Registre des entités visées)		Québec	Document approved by the Régie de l'énergie identifying the entities subject to reliability standards, their functions and their facilities.	2017-02-03	2017-02-03		D-2017-012	R-3944-2015 R-3949-2015 R-3957-2015	
Registered entity	Entité visée		Québec	Any legal entity listed in the "register identifying the entities that are subject to the reliability standards" approved by the Régie de l'énergie du Québec pursuant to section 85.13 of the Act respecting the Régie de l'énergie.	2015-06-23	2015-06-23		D-2015-098	R-3699-2009	
Regulating Reserve	Réserve réglante		NERC	An amount of reserve responsive to Automatic Generation Control, which is sufficient to provide normal regulating margin.	2016-12-22	2016-12-22		D-2016-195	R-3944-2015 R-3949-2015 R-3957-2015	
Regulation Reserve Sharing Group	Groupe de partage de réserve réglante		NERC	A group whose members consist of two or more Balancing Authorities that collectively maintain, allocate, and supply the Regulating Reserve required for all member Balancing Authorities to use in meeting applicable regulating standards.	2015-06-23	2015-06-23		D-2015-098	R-3699-2009	
Regulation Service	Service de régulation		NERC	The process whereby one Balancing Authority contracts to provide corrective response to all or a portion of the ACE of another Balancing Authority. The Balancing Authority providing the response assumes the obligation of meeting all applicable control criteria as specified by NERC for itself and the Balancing Authority for which it is providing the Regulation Service.	2015-06-23	2015-06-23		D-2015-098	R-3699-2009	
Reliability Adjustment Arranged Interchange	Échange convenu d'ajustement de fiabilité		NERC	A request to modify a Confirmed Interchange or Implemented Interchange for reliability purposes.	2015-06-23	2015-06-23		D-2015-098	R-3699-2009	
Reliability Adjustment RFI	Ajustement d'une demande d'échange pour la fiabilité		NERC	Request to modify an Implemented Interchange Schedule for reliability purposes.	2015-06-23	2015-06-23		D-2015-098	R-3699-2009	
Reliability Coordinator	Coordonnateur de la fiabilité	RC	NERC	The entity that is the highest level of authority who is responsible for the reliable operation of the Bulk Electric System, has the Wide Area view of the Bulk Electric System, and has the operating tools, processes and procedures, including the authority to prevent or mitigate emergency operating situations in both next-day analysis and real-time operations. The Reliability Coordinator has the purview that is broad enough to enable the calculation of Interconnection Reliability Operating Limits, which may be based on the operating parameters of transmission systems beyond any Transmission Operator's vision.	2015-06-23	2015-06-23		D-2015-098	R-3699-2009	
Reliability Coordinator Area	Zone de fiabilité		NERC	The collection of generation, transmission, and loads within the boundaries of the Reliability Coordinator. Its boundary coincides with one or more Balancing Authority Areas.	2015-06-23	2015-06-23		D-2015-098	R-3699-2009	
Reliability Coordinator Information System	Système d'information des coordonnateurs de la fiabilité	RCIS	NERC	The system that Reliability Coordinators use to post messages and share operating information in real time.	2020-10-08	2020-10-08		D-2020-191	R-4070-2018	
Reliable Operation	Exploitation fiable		NERC	Operating the elements of the Bulk Power System within equipment and electric system thermal, voltage, and stability limits so that instability, uncontrolled separation, or cascading failures of such system will not occur as a result of a sudden disturbance, including a cybersecurity incident, or unanticipated failure of system elements.	2015-06-23	2015-06-23		D-2015-098	R-3699-2009	

English Term	French Term	Acronym	Source	English Definition	Adoption Date	Effective Date QC	Retirement Date QC	Régie Decision	Régie Docket	Note
Remedial Action Scheme	Automatisme de réseau	RAS	NERC	<p>A scheme designed to detect predetermined System conditions and automatically take corrective actions that may include, but are not limited to, adjusting or tripping generation (MW and Mvar), tripping load, or reconfiguring a System(s). RAS accomplish objectives such as:</p> <ul style="list-style-type: none"> <li>• Meet requirements identified in the NERC Reliability Standards;</li> <li>• Maintain Bulk Electric System (BES) stability;</li> <li>• Maintain acceptable BES voltages;</li> <li>• Maintain acceptable BES power flows;</li> <li>• Limit the impact of Cascading or extreme events.</li> </ul> <p>The following do not individually constitute a RAS:</p> <ol style="list-style-type: none"> <li>a. Protection Systems installed for the purpose of detecting Faults on BES Elements and isolating the faulted Elements</li> <li>b. Schemes for automatic underfrequency load shedding (UFLS) and automatic undervoltage load shedding (UVLS)</li> <li>c. Out- of-step tripping and power swing blocking</li> <li>d. Automatic reclosing schemes</li> <li>e. Schemes applied on an Element for non-Fault conditions, such as, but not limited to, generator loss-of-field, transformer top-oil temperature, overvoltage, or overload to protect the Element against damage by removing it from service</li> <li>f. Controllers that switch or regulate one or more of the following: series or shunt reactive devices, flexible alternating current transmission system (FACTS) devices, phase-shifting transformers, variable-frequency transformers, or tap-changing transformers; and, that are located at and monitor quantities solely at the same station as the Element being switched or regulated</li> <li>g. FACTS controllers that remotely switch static shunt reactive devices located at other stations to regulate the output of a single FACTS device</li> </ol>	2015-06-23	2015-06-23		D-2015-098	R-3699-2009	
Remedial Action Scheme continued 1	Automatisme de réseau_suite_1		NERC	<ol style="list-style-type: none"> <li>h. Schemes or controllers that remotely switch shunt reactors and shunt capacitors for voltage regulation that would otherwise be manually switched</li> <li>i. Schemes that automatically de-energize a line for a non-Fault operation when one end of the line is open</li> <li>j. Schemes that provide anti-islanding protection (e.g., protect load from effects of being isolated with generation that may not be capable of maintaining acceptable frequency and voltage)</li> <li>k. Automatic sequences that proceed when manually initiated solely by a System Operator</li> <li>l. Modulation of HVDC or FACTS via supplementary controls, such as angle damping or frequency damping applied to damp local or inter-area oscillations</li> <li>m. Sub-synchronous resonance (SSR) protection schemes that directly detect sub-synchronous quantities (e.g., currents or torsional oscillations)</li> <li>n. Generator controls such as, but not limited to, automatic generation control (AGC), generation excitation [e.g. automatic voltage regulation (AVR) and power system stabilizers (PSS)], fast valving, and speed governing.</li> </ol>	2015-06-23	2015-06-23		D-2015-098	R-3699-2009	
Remedial Action Scheme continued 2	Automatisme de réseau_suite_2		NERC		2015-06-23	2015-06-23		D-2015-098	R-3699-2009	

English Term	French Term	Acronym	Source	English Definition	Adoption Date	Effective Date QC	Retirement Date QC	Régie Decision	Régie Docket	Note
Removable Media	Support de stockage amovible (Support d'information de stockage)	RM	NERC	Storage media that (i) are not Cyber Assets, (ii) are capable of transferring executable code, (iii) can be used to store, copy, move or access data, and (iv) are directly connected for 30 consecutive calendar days or less to a BES Cyber Asset, a network within an ESP containing high or medium impact BES Cyber Systems, or a Protected Cyber Asset associated with high or medium impact BES Cyber Systems. Examples include, but are not limited to: floppy disks, compact disks, USB flash drives, external hard drives, and other flash memory cards/drives that contain nonvolatile memory.	2015-06-23	2015-06-23	2021-03-31	D-2015-098	R-3699-2009	
Reportable Balancing Contingency Event	Contingence d'équilibrage à déclarer		NERC	Any Balancing Contingency Event occurring within a one-minute interval of an initial sudden decline in ACE based on EMS scan rate data that results in a loss of MW output less than or equal to the Most Severe Single Contingency, and greater than or equal to the lesser amount of: (i) 80% of the Most Severe Single Contingency, or (ii) the amount listed below for the applicable Interconnection. Prior to any given calendar quarter, the 80% threshold may be reduced by the responsible entity upon written notification to the Regional Entity. <ul style="list-style-type: none"> <li>• Eastern Interconnection – 900 MW</li> <li>• Western Interconnection – 500 MW</li> <li>• ERCOT – 800 MW</li> <li>• Quebec – 500 MW</li> </ul>	2020-06-08	2021-04-01		D-2020-067	R-4104-2019	
Reportable Cyber Security Incident	Incident de cybersécurité à déclarer		NERC	A Cyber Security Incident that has compromised or disrupted one or more reliability tasks of a functional entity.	2015-06-23	2015-06-23		D-2015-098	R-3699-2009	
Reportable Cyber Security Incident	Incident de cybersécurité à déclarer		NERC	A Cyber Security Incident that compromised or disrupted: <ul style="list-style-type: none"> <li>• A BES Cyber System that performs one or more reliability tasks of a functional entity;</li> <li>• An Electronic Security Perimeter of a high or medium impact BES Cyber System; or</li> <li>• An Electronic Access Control or Monitoring System of a high or medium impact BES Cyber System.</li> </ul>	2015-06-23	2015-06-23		D-2015-098	R-3699-2009	
Reportable Disturbance	Perturbation à déclarer		NERC	Any event that causes an ACE change greater than or equal to 80% of a Balancing Authority's or reserve sharing group's most severe contingency. The definition of a reportable disturbance is specified by each Regional Reliability Organization. This definition may not be retroactively adjusted in response to observed performance.	2015-06-23	2015-06-23		D-2015-098	R-3699-2009	
Reporting ACE	ACE déclaré		NERC	The scan rate values of a Balancing Authority's Area Control Error (ACE) measured in MW, which includes the difference between the Balancing Authority's Net Actual Interchange and its Net Scheduled Interchange, plus its Frequency Bias obligation, plus any known meter error. In the Western Interconnection, Reporting ACE includes Automatic Time Error Correction (ATEC).  Reporting ACE is calculated as follows: Reporting ACE = (N <sub>IA</sub> - N <sub>IS</sub> ) - 10B (F <sub>A</sub> - F <sub>S</sub> ) - I <sub>ME</sub> Reporting ACE is calculated in the Western Interconnection as follows: Reporting ACE = (N <sub>IA</sub> - N <sub>IS</sub> ) - 10B (F <sub>A</sub> - F <sub>S</sub> ) - I <sub>ME</sub> + I <sub>ATEC</sub> Where: <b>N<sub>IA</sub> (Actual Net Interchange)</b> is the algebraic sum of actual megawatt transfers across all Tie Lines and includes Pseudo-Ties. Balancing Authorities directly connected via asynchronous ties to another Interconnection may include or exclude megawatt transfers on those Tie lines in their actual interchange, provided they are implemented in the same manner for Net Interchange Schedule <b>N<sub>IS</sub> (Scheduled Net Interchange)</b> is the algebraic sum of all scheduled megawatt transfers, including Dynamic Schedules, with adjacent Balancing Authorities, and taking into account the effects of schedule ramps. Balancing Authorities directly connected via asynchronous ties to another Interconnection may include or exclude megawatt transfers on those Tie Lines in their scheduled interchange, provided they are implemented in the same manner for Net Interchange Actual. <b>B (Frequency Bias Setting)</b> is the Frequency Bias Setting (in negative MW/0.1 Hz) for the Balancing Authority	2015-06-23	2015-06-23	2021-06-30	D-2015-098	R-3699-2009	

English Term	French Term	Acronym	Source	English Definition	Adoption Date	Effective Date QC	Retirement Date QC	Régie Decision	Régie Docket	Note
Reporting ACE_continued_1	ACE déclaré_suite_1			<p>10 is the constant factor that converts the frequency bias setting units to MW/Hz.</p> <p><b>FA (Actual Frequency)</b> is the measured frequency in Hz.</p> <p><b>FS (Scheduled Frequency)</b> is 60.0 Hz, except during a time correction.</p> <p><b>IME (Interchange Meter Error)</b> is the meter error correction factor and represents the difference between the integrated hourly average of the net interchange actual (NIA) and the cumulative hourly net Interchange energy measurement (in megawatt-hours).</p> <p><b>IATEC (Automatic Time Error Correction)</b> is the addition of a component to the ACE equation for the Western Interconnection that modifies the control point for the purpose of continuously paying back Primary Inadvertent Interchange to correct accumulated time error. Automatic Time Error Correction is only applicable in the Western Interconnection.</p> <p><math display="block">I_{ATEC} = \frac{PII_{accum}^{on/off\ peak}}{(1-Y) \times H}</math> when operating in Automatic Time Error Correction control mode.</p> <p>IATEC shall be zero when operating in any other AGC mode.</p> <ul style="list-style-type: none"> <li>• Y = B / BS.</li> <li>• H = Number of hours used to payback Primary Inadvertent Interchange energy. The value of H is set to 3.</li> </ul>	2020-06-08	2021-07-01		D-2020-067	R-4104-2019	
Reporting ACE_continued_2	ACE déclaré_suite_2			<ul style="list-style-type: none"> <li>• BS = Frequency Bias for the Interconnection (MW / 0.1 Hz).</li> <li>• Primary Inadvertent Interchange (PIIhourly) is <math>(1 - Y) \times (I_{lactual} - B \times \Delta TE/6)</math></li> <li>• I<sub>lactual</sub> is the hourly Inadvertent Interchange for the last hour.</li> <li>• ΔTE is the hourly change in system Time Error as distributed by the Interconnection Time Monitor. Where: ΔTE = TE<sub>end hour</sub> - TE<sub>begin hour</sub> - TD<sub>adj</sub> - (t) × (TE<sub>offset</sub>)</li> <li>• TD<sub>adj</sub> is the Reliability Coordinator adjustment for differences with Interconnection Time Monitor control center clocks.</li> <li>• t is the number of minutes of Manual Time Error Correction that occurred during the hour.</li> <li>• TE<sub>offset</sub> is 0.000 or +0.020 or -0.020.</li> <li>• PII<sub>accum</sub> is the Balancing Authority's accumulated PIIhourly in MWh. An On-Peak and Off-Peak accumulation accounting is required.</li> </ul> <p>Where:</p> $PII_{accum}^{on/off\ peak} = \text{last period's } PII_{accum}^{on/off\ peak} + PII_{hourly}$ <p>All NERC Interconnections with multiple Balancing Authorities</p>	2015-06-23	2015-06-23		D-2015-098	R-3699-2009	
Reporting ACE_continued_3	ACE déclaré_suite_3			<p>operate using the principles of Tie-line Bias (TLB) Control and require the use of an ACE equation similar to the Reporting ACE defined above. Any modification(s) to this specified Reporting ACE equation that is(are) implemented for all BAs on an Interconnection and is(are) consistent with the following four principles will provide a valid alternative Reporting ACE equation consistent with the measures included in this standard.</p> <ol style="list-style-type: none"> <li>7. All portions of the Interconnection are included in one area or another so that the sum of all area generation, loads and losses is the same as total system generation, load and losses.</li> <li>8. The algebraic sum of all area Net Interchange Schedules and all Net Interchange actual values is equal to zero at all times.</li> <li>9. The use of a common Scheduled Frequency FS for all areas at all times.</li> <li>10. The absence of metering or computational errors. (The inclusion and use of the IME term to account for known metering or computational errors.)</li> </ol>	2017-02-03	2017-02-03		D-2017-012	R-3944-2015 R-3949-2015 R-3957-2015	

English Term	French Term	Acronym	Source	English Definition	Adoption Date	Effective Date QC	Retirement Date QC	Régie Decision	Régie Docket	Note
Reporting ACE	ACE déclaré		NERC	<p>The scan rate values of a Balancing Authority Area's (BAA) Area Control Error (ACE) measured in MW includes the difference between the Balancing Authority Area's Actual Net Interchange and its Schedule Net Interchange, plus its Frequency Bias Setting obligation, plus correction for any known meter error. In the Western Interconnection, Reporting ACE includes Automatic Time Error Correction (ATEC). Reporting ACE is calculated as follows:  Reporting ACE = <math>(NI_A - NI_S) - 10B (F_A - F_S) - I_{ME}</math>  Reporting ACE is calculated in the Western Interconnection as follows:  Reporting ACE = <math>(NI_A - NI_S) - 10B (F_A - F_S) - I_{ME} + I_{ATEC}</math></p> <p>Where:</p> <ul style="list-style-type: none"> <li>• <math>NI_A</math> = Actual Net Interchange.</li> <li>• <math>NI_S</math> = Scheduled Net Interchange.</li> <li>• B = Frequency Bias Setting.</li> <li>• <math>F_A</math> = Actual Frequency.</li> <li>• <math>F_S</math> = Scheduled Frequency.</li> <li>• <math>I_{ME}</math> = Interchange Meter Error.</li> <li>• <math>I_{ATEC}</math> = Automatic Time Error Correction.</li> </ul> <p>All NERC Interconnections operate using the principles of Tie-line Bias (TLB) Control and require the use of an ACE equation similar to the Reporting ACE defined above. Any modification(s) to this specified Reporting ACE equation that is(are) implemented for all BAAs on an Interconnection and is(are) consistent with the following four principles of Tie Line Bias control will provide a valid alternative to this Reporting ACE equation:</p> <ol style="list-style-type: none"> <li>1. All portions of the Interconnection are included in exactly one BAA so that the sum of all BAAs' generation, load, and loss is the same as total Interconnection generation, load, and loss;</li> <li>2. The algebraic sum of all BAAs' Scheduled Net Interchange is equal to zero at all times and the sum of all BAAs' Actual Net Interchange values is</li> </ol>	2017-02-03	2017-02-03		D-2017-012	R-3944-2015 R-3949-2015 R-3957-2015	
Reporting ACE_continued_1	ACE déclaré_suite_1			<p>equal to zero at all times;</p> <ol style="list-style-type: none"> <li>3. The use of a common Scheduled Frequency FS for all BAAs at all times; and,</li> <li>4. Excludes metering or computational errors. (The inclusion and use of the IME term corrects for known metering or computational errors.)</li> </ol>	2017-02-03	2017-02-03		D-2017-012	R-3944-2015 R-3949-2015 R-3957-2015	
Request for Interchange	Demande d'échange	RFI	NERC	A collection of data as defined in the NAESB Business Practice Standards submitted for the purpose of implementing bilateral interchange between Balancing Authorities or an energy transfer within a single Balancing Authority.	2017-02-03	2017-02-03		D-2017-012	R-3944-2015 R-3949-2015 R-3957-2015	
Reserve Sharing Group	Groupe de partage des réserves		NERC	A group whose members consist of two or more Balancing Authorities that collectively maintain, allocate, and supply operating reserves required for each Balancing Authority's use in recovering from contingencies within the group. Scheduling energy from an Adjacent Balancing Authority to aid recovery need not constitute reserve sharing provided the transaction is ramped in over a period the supplying party could reasonably be expected to load generation in (e.g., ten minutes). If the transaction is ramped in quicker (e.g., between zero and ten minutes) then, for the purposes of Disturbance Control Performance, the Areas become a Reserve Sharing Group.	2017-02-03	2017-02-03		D-2017-012	R-3944-2015 R-3949-2015 R-3957-2015	
Reserve Sharing Group Reporting ACE	ACE déclaré de groupe de partage de réserve réglante ou ACE déclaré de groupe de partage des réserves		NERC	At any given time of measurement for the applicable Regulation Reserve Sharing Group, the algebraic sum of the Reporting ACEs (or equivalent as calculated at such time of measurement) of the Balancing Authorities participating in the Regulation Reserve Sharing Group at the time of measurement.	2017-02-03	2017-02-03		D-2017-012	R-3944-2015 R-3949-2015 R-3957-2015	

English Term	French Term	Acronym	Source	English Definition	Adoption Date	Effective Date QC	Retirement Date QC	Régie Decision	Régie Docket	Note
Reserve Sharing Group Reporting ACE	ACE déclaré de groupe de partage de réserve réglante ou ACE déclaré de groupe de partage des réserves		NERC	At any given time of measurement for the applicable Reserve Sharing Group (RSG), the algebraic sum of the ACEs (or equivalent as calculated at such time of measurement) of the Balancing Authorities participating in the RSG at the time of measurement.	2015-06-23	2015-06-23		D-2015-098	R-3699-2009	
Resource Planner	Planificateur des ressources	RP	NERC	The entity that develops a long-term (generally one year and beyond) plan for the resource adequacy of specific loads (customer demand and energy requirements) within a Planning Authority Area.	2015-06-23	2015-06-23		D-2015-098	R-3699-2009	
Response Rate	Taux de réponse		NERC	The Ramp Rate that a generating unit can achieve under normal operating conditions expressed in megawatts per minute (MW/Min).	2015-06-23	2015-06-23		D-2015-098	R-3699-2009	
Right-of-Way	Emprise	ROW	NERC	The corridor of land under a transmission line(s) needed to operate the line(s). The width of the corridor is established by engineering or construction standards as documented in either construction documents, pre-2007 vegetation maintenance records, or by the blowout standard, in effect when the line was built. The ROW width in no case exceeds the applicable Transmission Owner's or applicable Generator Owner's legal rights but may be less based on the aforementioned criteria	2016-12-22	2016-12-22		D-2016-195	R-3944-2015 R-3949-2015 R-3957-2015	
Sabotage	Sabotage		Québec	Malevolent act perpetrated in order to disturb operations or to interrupt them.	2015-06-23	2015-06-23		D-2015-098	R-3699-2009	
Scenario	Scénario		NERC	Possible event.	2020-10-08	2020-10-08		D-2020-131	R-4070-2018	
Schedule	Programmer Programme		NERC	(Verb) To set up a plan or arrangement for an Interchange Transaction. (Noun) An Interchange Schedule.	2015-06-23	2015-06-23		D-2015-098	R-3699-2009	
Scheduled Frequency	Fréquence programmée		NERC	60.0 Hertz, except during a time correction.	2015-06-23	2015-06-23		D-2015-098	R-3699-2009	
Scheduled Net Interchange	Échange programmé net	NI <sub>s</sub>	NERC	The algebraic sum of all scheduled megawatt transfers, including Dynamic Schedules, to and from all Adjacent Balancing Authority areas within the same Interconnection, including the effect of scheduled ramps. Scheduled megawatt transfers on asynchronous DC tie lines directly connected to another Interconnection are excluded from Scheduled Net Interchange.	2015-06-23	2015-06-23		D-2015-098	R-3699-2009	
Scheduling Entity	Entité responsable de la programmation		NERC	An entity responsible for approving and implementing Interchange Schedules.	2015-06-23	2015-06-23		D-2015-098	R-3699-2009	
Scheduling Path	Chemin programmé		NERC	The Point to Point Transmission Service arrangements reserved by the Purchasing-Selling Entity for a Transaction.	2015-06-23	2015-06-23		D-2015-098	R-3699-2009	
Sending Balancing Authority	Zone d'équilibrage expéditrice		NERC	The Balancing Authority exporting the Interchange.	2015-06-23	2015-06-23		D-2015-098	R-3699-2009	
Sink Balancing Authority	Responsable de l'équilibrage consommateur		NERC	The Balancing Authority in which the load (sink) is located for an Interchange Transaction and any resulting Interchange Schedule.	2015-06-23	2015-06-23		D-2015-098	R-3699-2009	
Source Balancing Authority	Responsable de l'équilibrage producteur		NERC	The Balancing Authority in which the generation (source) is located for an Interchange Transaction and for any resulting Interchange Schedule.	2015-06-23	2015-06-23		D-2015-098	R-3699-2009	

English Term	French Term	Acronym	Source	English Definition	Adoption Date	Effective Date QC	Retirement Date QC	Régie Decision	Régie Docket	Note
Special Protection System (Remedial Action Scheme)	Automatisme de réseau	RAS	NERC	See "Remedial Action Scheme".	2015-06-23	2015-06-23		D-2015-098	R-3699-2009	
Spinning Reserve	Réserve tournante		NERC	Unloaded generation that is synchronized and ready to serve additional demand.	2015-06-23	2015-06-23		D-2015-098	R-3699-2009	
Stability	Stabilité		NERC	The ability of an electric system to maintain a state of equilibrium during normal and abnormal conditions or disturbances.	2015-06-23	2015-06-23		D-2015-098	R-3699-2009	
Stability Limit	Limite de stabilité		NERC	The maximum power flow possible through some particular point in the system while maintaining stability in the entire system or the part of the system to which the stability limit refers.	2015-06-23	2015-06-23		D-2015-098	R-3699-2009	
Supervisory Control and Data Acquisition	Télésurveillance et acquisition de données	SCADA	NERC	A system of remote control and telemetry used to monitor and control the transmission system.	2015-06-23	2015-06-23		D-2015-098	R-3699-2009	
Supplemental Regulation Service	Service supplémentaire de régulation		NERC	A method of providing regulation service in which the Balancing Authority providing the regulation service receives a signal representing all or a portion of the other Balancing Authority's ACE.	2015-06-23	2015-06-23		D-2015-098	R-3699-2009	
Surge	Variation transitoire		NERC	A transient variation of current, voltage, or power flow in an electric circuit or across an electric system.	2019-03-15	2019-03-15		D-2019-033	R-4050-2018	
Sustained Outage	Déclenchement définitif		NERC	The deenergized condition of a transmission line resulting from a fault or disturbance following an unsuccessful automatic reclosing sequence and/or unsuccessful manual reclosing procedure.	2016-12-22	2016-12-22		D-2016-195	R-3944-2015 R-3949-2015 R-3957-2015	
System	Réseau		NERC	A combination of generation, transmission, and distribution components.	2015-06-23	2015-06-23		D-2015-098	R-3699-2009	
System Operating Limit	Limite d'exploitation du réseau	SOL	NERC	The value (such as MW, MVar, Amperes, Frequency or Volts) that satisfies the most limiting of the prescribed operating criteria for a specified system configuration to ensure operation within acceptable reliability criteria. System Operating Limits are based upon certain operating criteria. These include, but are not limited to: • Facility Ratings (Applicable pre- and post-Contingency equipment or facility ratings) • Transient Stability Rating (Applicable pre- and post-Contingency Stability Limits) • Voltage Stability Ratings (Applicable pre- and post-Contingency Voltage Stability) • System Voltage Limits (Applicable pre- and post-Contingency Voltage Limits)	2015-06-23	2015-06-23		D-2015-098	R-3699-2009	
System Operator	Répartiteur		NERC	An individual at a Control Center of a Balancing Authority, Transmission Operator, or Reliability Coordinator, who operates or directs the operation of the Bulk Electric System (BES) in Real-time.	2020-10-08	2020-10-08		D-2020-131	R-4040-2018	
Telemetering	Télémesure		NERC	The process by which measurable electrical quantities from substations and generating stations are instantaneously transmitted to the control center, and by which operating commands from the control center are transmitted to the substations and generating stations.	2020-10-08	2020-10-08		D-2020-131	R-4040-2018	
Thermal Rating	Courant thermique assigné		NERC	The maximum amount of electrical current that a transmission line or electrical facility can conduct over a specified time period before it sustains permanent damage by overheating or before it sags to the point that it violates public safety requirements.						
Tie Line	Ligne d'interconnexion		NERC	A circuit connecting two Balancing Authority Areas.	2020-10-08	2020-10-08		D-2020-131	R-4040-2018	



English Term	French Term	Acronym	Source	English Definition	Adoption Date	Effective Date QC	Retirement Date QC	Régie Decision	Régie Docket	Note
Tie Line Bias	Conditionnement par ligne d'interconnexion		NERC	A mode of Automatic Generation Control that allows the Balancing Authority to 1.) maintain its Interchange Schedule and 2.) respond to Interconnection frequency error.	2020-09-10	2020-09-10		D-2020-118	R-4117-2020	
Time Error	Écart de temps		NERC	The difference between the Interconnection time measured at the Balancing Authority(ies) and the time specified by the National Institute of Standards and Technology. Time error is caused by the accumulation of Frequency Error over a given period.	2017-02-14	2017-02-14		D-2017-015	R-3997-2016	
TLR Log	Registre TLR		NERC	Report required to be filed after every TLR Level 2 or higher in a specified format. The NERC IDC prepares the report for review by the issuing Reliability Coordinator. After approval by the issuing Reliability Coordinator, the report is electronically filed in a public area of the NERC Web site.	2020-06-08	2021-04-01		D-2020-067	R-4104-2019	
Total Flowgate Capability	Capacité totale d'une interface de transit	TFC	NERC	The maximum flow capability on a Flowgate, is not to exceed its thermal rating, or in the case of a flowgate used to represent a specific operating constraint (such as a voltage or stability limit), is not to exceed the associated System Operating Limit.	2016-07-29	2016-07-29		D-2016-119	R-3947-2015	
Total Internal Demand	Demande interne totale		NERC	The Demand of a metered system, which includes the Firm Demand, plus any controllable and dispatchable DSM Load and the Load due to the energy losses incurred within the boundary of the metered system.	2016-07-29	2016-07-29		D-2016-119	R-3947-2015	
Total Transfer Capability	Capacité totale de transfert (Capacité de transfert totale)	TTC	NERC	The amount of electric power that can be moved or transferred reliably from one area to another area of the interconnected transmission systems by way of all transmission lines (or paths) between those areas under specified system conditions.	2016-07-29	2016-07-29		D-2016-119	R-3947-2015	
Transaction	Transaction		NERC	See Interchange Transaction.	2016-07-29	2016-07-29		D-2016-119	R-3947-2015	
Transfer Capability	Capacité de transfert		NERC	The measure of the ability of interconnected electric systems to move or transfer power in a reliable manner from one area to another over all transmission lines (or paths) between those areas under specified system conditions. The units of transfer capability are in terms of electric power, generally expressed in megawatts (MW). The transfer capability from "Area A" to "Area B" is not generally equal to the transfer capability from "Area B" to "Area A."	2015-06-23	2015-06-23		D-2015-098	R-3699-2009	
Transfer Distribution Factor	Facteur de répartition du transport		NERC	See Distribution Factor.	2015-06-23	2015-06-23		D-2015-098	R-3699-2009	
Transient Cyber Asset	Actif électronique temporaire (Actif électronique transitoire)	TCA	NERC	A Cyber Asset that is (i) capable of transmitting or transferring executable code, (ii) not included in a BES Cyber System, (iii) not a Protected Cyber Asset (PCA) associated with high or medium impact BES Cyber Systems, and (iv) is directly connected (e.g., using Ethernet, serial, Universal Serial Bus, or wireless, including near field or Bluetooth communication) for 30 consecutive calendar days or less to a BES Cyber Asset, a network within an ESP containing high or medium impact BES Cyber Systems, or a PCA associated with high or medium impact BES Cyber Systems. Examples include, but are not limited to, Cyber Assets used for data transfer, vulnerability assessment, maintenance, or troubleshooting purposes.	2015-06-23	2015-06-23		D-2015-098	R-3699-2009	
Transmission	Transport		NERC	An interconnected group of lines and associated equipment for the movement or transfer of electric energy between points of supply and points at which it is transformed for delivery to customers or is delivered to other electric systems.	2015-06-23	2015-06-23		D-2015-098	R-3699-2009	
Transmission Constraint	Contrainte de transport		NERC	A limitation on one or more transmission elements that may be reached during normal or contingency system operations	2015-06-23	2015-06-23		D-2015-098	R-3699-2009	
Transmission Customer	Client d'un service de transport		NERC	1. Any eligible customer (or its designated agent) that can or does execute a transmission service agreement or can or does receive transmission service 2. Any of the following responsible entities: Generator Owner, Load-Serving Entity, or Purchasing-Selling Entity.	2015-06-23	2015-06-23		D-2015-098	R-3699-2009	

English Term	French Term	Acronym	Source	English Definition	Adoption Date	Effective Date QC	Retirement Date QC	Régie Decision	Régie Docket	Note
Transmission Line	Ligne de transport		NERC	A system of structures, wires, insulators and associated hardware that carry electric energy from one point to another in an electric power system. Lines are operated at relatively high voltages varying from 69 kV up to 765 kV, and are capable of transmitting large quantities of electricity over long distances.	2015-06-23	2015-06-23		D-2015-098	R-3699-2009	
Transmission Operator	Exploitant de réseau de transport	TOP	NERC	The entity responsible for the reliability of its "local" transmission system, and that operates or directs the operations of the transmission facilities.	2015-06-23	2015-06-23		D-2015-098	R-3699-2009	
Transmission Operator Area	Zone de l'exploitant de réseau de transport		NERC	The collection of Transmission assets over which the Transmission Operator is responsible for operating.	2015-06-23	2015-06-23		D-2015-098	R-3699-2009	
Transmission Owner	Propriétaire d'installation de transport	TOP	NERC	The entity that owns and maintains transmission facilities.	2015-06-23	2015-06-23		D-2015-098	R-3699-2009	
Transmission Planner	Planificateur de réseau de transport	TP	NERC	The entity that develops a long-term (generally one year and beyond) plan for the reliability (adequacy) of the interconnected bulk electric transmission systems within its portion of the Planning Authority Area.	2015-06-23	2015-06-23		D-2015-098	R-3699-2009	
Transmission Reliability Margin	Marge de fiabilité de transport (Marge de fiabilité du réseau)	TRM	NERC	The amount of transmission transfer capability necessary to provide reasonable assurance that the interconnected transmission network will be secure. TRM accounts for the inherent uncertainty in system conditions and the need for operating flexibility to ensure reliable system operation as system conditions change.	2015-06-23	2015-06-23		D-2015-098	R-3699-2009	
Transmission Reliability Margin Implementation Document	Document de mise en oeuvre de la marge de fiabilité de transport	TRMID	NERC	A document that describes the implementation of a Transmission Reliability Margin methodology, and provides information related to a Transmission Operator's calculation of TRM.	2015-06-23	2015-06-23		D-2015-098	R-3699-2009	
Transmission Service	Service de transport		NERC	Services provided to the Transmission Customer by the Transmission Service Provider to move energy from a Point of Receipt to a Point of Delivery.	2020-06-08	2021-04-01		D-2020-067	R-4104-2019	
Transmission Service Provider	Fournisseur de service de transport	TSP	NERC	The entity that administers the transmission tariff and provides Transmission Service to Transmission Customers under applicable transmission service agreements.	2015-06-23	2015-06-23		D-2015-098	R-3699-2009	
Undervoltage Load Shedding Program	Programme de DST	UVLS	NERC	An automatic load shedding program, consisting of distributed relays and controls, used to mitigate undervoltage conditions impacting the Bulk Electric System (BES), leading to voltage instability, voltage collapse, or Cascading. Centrally controlled undervoltage-based load shedding is not included.	2015-06-23	2015-06-23		D-2015-098	R-3699-2009	
Vegetation	Végétation		NERC	All plant material, growing or not, living or dead.	2015-06-23	2015-06-23		D-2015-098	R-3699-2009	
Vegetation Inspection	Surveillance de la végétation		NERC	The systematic examination of vegetation conditions on a Right-of-Way and those vegetation conditions under the applicable Transmission Owner's or applicable Generator Owner's control that are likely to pose a hazard to the line(s) prior to the next planned maintenance or inspection. This may be combined with a general line inspection.	2015-06-23	2015-06-23		D-2015-098	R-3699-2009	
Wide Area	Zone étendue		NERC	The entire Reliability Coordinator Area as well as the critical flow and status information from adjacent Reliability Coordinator Areas as determined by detailed system studies to allow the calculation of Interconnected Reliability Operating Limits.	2015-06-23	2015-06-23		D-2015-098	R-3699-2009	
Year One	Année Un		NERC	The first twelve month period that a Planning Coordinator or a Transmission Planner is responsible for assessing. For an assessment started in a given calendar year, Year One includes the forecasted peak Load period for one of the following two calendar years. For example, if a Planning Assessment was started in 2011, then Year One includes the forecasted peak Load period for either 2012 or 2013.	2015-06-23	2015-06-23		D-2015-098	R-3699-2009	

### 3. Version History

Date	Action / Modifications	Decision
June 23, 2015	Initial adoption	D-2015-098
December 9, 2015	Retirement of the definition "Blackstart Capability Plan" Replacement of the definition "Blackstart Resource" in the French version	D-2015-198
July 29, 2016	Added 15 new definitions : <ul style="list-style-type: none"> <li>• "BES Cyber Asset"</li> <li>• "BES Cyber System"</li> <li>• "BES Cyber System Information"</li> <li>• "CIP Exceptional Circumstance"</li> <li>• "CIP Senior Manager"</li> <li>• "Control Center"</li> <li>• "Dial-up Connectivity"</li> <li>• "Electronic Access Control or Monitoring Systems"</li> <li>• "Electronic Access Point"</li> <li>• "Interactive Remote Access"</li> <li>• "Intermediate System"</li> <li>• "Physical Access Control Systems"</li> <li>• "Protected Cyber Assets"</li> <li>• "Reportable Cyber Security Incident"</li> </ul> Modified four definitions: <ul style="list-style-type: none"> <li>• "Cyber Asset"</li> <li>• "Cyber Security Incident"</li> <li>• "Electronic Security Parameters"</li> <li>• "Physical Security Perimeter"</li> </ul> Retired two definitions : <ul style="list-style-type: none"> <li>• "Critical Asset"</li> <li>• "Critical Cyber Asset"</li> </ul>	D-2016-119
September 30, 2016	Added the definition "Protection System Maintenance Program" Modified the definition "Protection System"	D-2016-150
December 22, 2016	Added the following definitions: <ul style="list-style-type: none"> <li>• Alternative Interpersonal Communication</li> <li>• Compliance Enforcement Authority</li> <li>• Interpersonnal Communications</li> <li>• Minimum Vegetation Clearance Distance</li> <li>• Operating Instruction</li> <li>• Operations Support Personnel</li> </ul>	D-2016-195

Date	Action / Modifications	Decision
	Modified the following definitions : <ul style="list-style-type: none"> <li>• Right-of-way</li> <li>• System Operator</li> <li>• Vegetation Inspection</li> </ul>	
February 3, 2017	Added the following definitions: <ul style="list-style-type: none"> <li>• Regulation Reserve Sharing Group</li> <li>• Reserve Sharing Group Reporting ACE</li> <li>• Reporting ACE</li> <li>• Frequency Response Measure</li> <li>• Frequency Response Obligation</li> <li>• Frequency Response Sharing Group</li> <li>• Reliability Adjustment Arranged Interchange</li> <li>• Composite Confirmed Interchange</li> <li>• Attaining Balancing Authority</li> <li>• Native Balancing Authority</li> </ul> Modified the following definitions : <ul style="list-style-type: none"> <li>• Interconnection</li> <li>• Frequency Bias Setting</li> <li>• Dynamic Interchange Schedule or Dynamic Schedule</li> <li>• Pseudo-Tie</li> <li>• Request for Interchange</li> <li>• Arranged Interchange</li> <li>• Confirmed Interchange</li> <li>• Adjacent Balancing Authority</li> <li>• Intermediate Balancing Authority</li> <li>• Sink Balancing Authority</li> <li>• Source Balancing Authority</li> <li>• Operational Planning Analysis</li> </ul>	D-2017-012
February 14, 2017	Added the following definitions: <ul style="list-style-type: none"> <li>• Undervoltage Load Shedding Program</li> <li>• Composite Protection System</li> </ul> Modified the following definitions : <ul style="list-style-type: none"> <li>• Misoperation</li> <li>• Energy Emergency</li> <li>• Remedial Action Scheme</li> </ul>	D-2017-015
June 16, 2017	Modified the following definitions : <ul style="list-style-type: none"> <li>• Operational Planning Analysis</li> <li>• Real-time Assessment</li> </ul>	D-2017-061

Date	Action / Modifications	Decision
September 27, 2017	Added the following definitions: <ul style="list-style-type: none"> <li>• Generation connected to the RTP</li> <li>• Generation not connected to the RTP</li> <li>• Year One</li> <li>• Near-Term Transmission Planning Horizon</li> <li>• Bus-tie Breaker</li> <li>• Consequential Load Loss</li> <li>• Long-Term Transmission Planning Horizon</li> <li>• Non-Consequential Load Loss</li> <li>• Planning Assessment</li> </ul>	D-2017-110
October 31 <sup>st</sup> , 2017	Added the following definitions: <ul style="list-style-type: none"> <li>• Low Impact BES Cyber System Electronic Access Point</li> <li>• Low Impact External Routable Connectivity</li> <li>• Removable Media</li> <li>• Transient Cyber Asset</li> </ul> Modified the following definitions : <ul style="list-style-type: none"> <li>• BES Cyber Asset</li> <li>• Protected Cyber Asset</li> </ul>	D-2017-117
September 18, 2018	Added the following definitions: <ul style="list-style-type: none"> <li>• Connected to the RTP</li> <li>• Not connected to the RTP</li> </ul> Withdrew the following definitions : <ul style="list-style-type: none"> <li>• Generation connected to the RTP</li> <li>• Generation not connected to the RTP</li> </ul>	D-2018-130
March 15, 2019	Modification to section 1. Modified the following definitions: <ul style="list-style-type: none"> <li>• Removable Media</li> <li>• Transient Cyber Asset</li> <li>• Low Impact BES Cyber System Electronic Access Point</li> <li>• Low Impact External Routable Connectivity</li> </ul>	D-2019-033
April 3, 2019	Withdrew the following definitions : <ul style="list-style-type: none"> <li>• Low Impact BES Cyber System Electronic Access Point</li> <li>• Low Impact External Routable Connectivity</li> </ul> Withdrew the expired definitions for the following terms: <ul style="list-style-type: none"> <li>• Removable Media</li> <li>• Transient Cyber Asset</li> </ul>	D-2019-043
November 5, 2019	Withdrew the following definition : <ul style="list-style-type: none"> <li>• Time Error Correction</li> </ul>	D-2019-139

Date	Action / Modifications	Decision
November 22, 2019	Modification to CEA definition.	D-2019-158
December 19, 2019	Added the following definition: <ul style="list-style-type: none"> <li>• Total Internal Demand</li> </ul> Modified the following definition: <ul style="list-style-type: none"> <li>• Demand-Side Management</li> </ul>	D-2019-178
June 3, 2020	Added the following definitions: <ul style="list-style-type: none"> <li>• Adequate Level of Reliability</li> <li>• Adequate Level of Reliability for the Québec Interconnection</li> </ul>	D-2020-066
June 8, 2020	Added the following definitions: <ul style="list-style-type: none"> <li>• Balancing Contingency Event</li> <li>• Most Severe Single Contingency</li> <li>• Reportable Balancing Contingency Event</li> <li>• Contingency Event Recovery Period</li> <li>• Contingency Reserve Restoration Period</li> <li>• Pre-Reporting Contingency Event ACE Value</li> <li>• Actual Frequency</li> <li>• Interchange Meter Error</li> <li>• Automatic Time Error Correction</li> <li>• Actual Net Interchange</li> <li>• Scheduled Net Interchange</li> <li>• Reliable Operation</li> </ul> Modified the following definitions: <ul style="list-style-type: none"> <li>• Reserve Sharing Group Reporting ACE</li> <li>• Contingency Reserve</li> <li>• Reporting ACE</li> <li>• Automatic Generation Control</li> <li>• Pseudo-Tie</li> <li>• Balancing Authority</li> <li>• Bulk Power System</li> </ul>	D-2020-067
September 10, 2020	Modified the following definitions: <ul style="list-style-type: none"> <li>• Cyber Security Incident</li> <li>• Remedial Action Scheme</li> <li>• Reportable Cyber Security Incident</li> <li>• Protection System</li> </ul>	D-2020-118
	Added the following definitions: <ul style="list-style-type: none"> <li>• Dispersed Power Producing Resources</li> </ul>	

Date	Action / Modifications	Decision
October 8, 2020	<ul style="list-style-type: none"> <li>• North American Interconnected Power System</li> </ul> Modified the following definitions: <ul style="list-style-type: none"> <li>• Bulk Electric System</li> <li>• Special Protection System</li> </ul>	D-2020-131
December 11, 2020	Modified the following definitions: <ul style="list-style-type: none"> <li>• Protection System Maintenance Program</li> </ul> Retired the following definitions: <ul style="list-style-type: none"> <li>• Special Protection System Type I</li> </ul> Special Protection System Type II	D-2020-167
February 17, 2021	Added the following definitions: <ul style="list-style-type: none"> <li>• Geomagnetic Disturbance Vulnerability Assessment</li> <li>• Real Power</li> <li>• Reactive Power</li> </ul>	D-2021-015