

Term	Definition
	means any one of the following six (6) ten (10) minute periods in any hour:
	ME:01 to ME:10;
	ME:11 to ME:20;
"10 minute clock	ME21 to ME30;
period"	ME31 to ME40;
perioa	ME:41 to ME50;
	ME51 to ME60
	where "ME" means minute ending.
	[ Rules (2009-09-01) ]
	means:
	(i) any one or more of the following for a <b>pool asset</b> , that is not an import asset or export asset:
	a) a circumstance related to the operation of a <b>pool asset</b> which, if it
	operated could reasonably be expected to affect the safety of the
	pool asset, the environment, personnel working at the pool asset
	or the public;
	b) re-positioning a <b>pool asset</b> , within the energy market due to the
	need to meet a <b>dispatch</b> given to that <b>pool asset</b> from the <b>ISO</b> to
	provide stand-by operating reserves or fast frequency response
	service;
"acceptable operational	c) re-positioning a <b>pool asset</b> within the energy market to manage
reason"	physical or operational constraints associated with the <b>pool asset</b> ;
	d) a circumstance directly resulting in the <b>pool asset</b> not being capable
	of operation, which circumstance was solely caused by an occurrence of <b>force majeure</b> ;
	e) re-positioning a <b>pool asset</b> for electric energy that is:
	A. produced on the property of which a <b>person</b> is the owner or
	a tenant; and
	B. consumed solely by that <b>person</b> and solely on that property;
	or
	(ii) re-positioning a <b>pool asset</b> that is an import asset or an export asset within
	the energy market to manage physical or operational constraints associated
	with an interconnection or a neighbouring balancing authority.
	[ Rules (2024-05-31) ]
	means an expression of a <b>cost estimate</b> 's predicted closeness to final actual
"accuracy range"	costs, which is typically expressed as high/low percentages by which actual
	results will be over and under the <b>cost estimate</b> .
	[ Rules (2016-04-29) ]
"Act"	means the <i>Electric Utilities Act</i> and any regulations made under it.
-	[ Rules (2011-07-01), Tariff (2011-07-01) ]
"actual net interchange"	means the algebraic sum of actual MW transfers across all tie lines, including
	pseudo-ties, to and from all <b>adjacent balancing authorities</b> within the same <b>Interconnection</b> .
	inter confidence.
"adequacy"	
"adequacy"	[ Alberta Reliability Standards (2019-07-01) ] means the ability of the interconnected electric system to supply the aggregate electrical demand and energy requirements of market participants receiving system access service, taking into account planned outages and



Term	Definition
	reasonably expected delayed forced outages and automatic forced outages
	of system elements.
	[ Rules (2014-07-02) ]
	means a <b>balancing authority area</b> that is interconnected with another
"adjacent balancing	balancing authority area either directly or via a multi-party agreement or
authority"	transmission tariff.
_	[ Alberta Reliability Standards (2010-01-22) ]
	means the impact of an event that results in frequency-related instability;
"adverse reliability	unplanned tripping of load or generation; or uncontrolled separation or cascading
impact"	outages that affects a widespread area of the Interconnection.
•	Alberta Reliability Standards (2017-10-01)
	as defined in the Business Corporations Act means an affiliated body corporate
	within the meaning of section 2(1) of that Act, which section states:
	(a) one body corporate is affiliated with another body corporate if one of them is
	the subsidiary of the other or both are subsidiaries of the same body
"affiliate"	corporate or each of them is controlled by the same person, and
	(b) if 2 bodies corporate are affiliated with the same body corporate at the same
	time, they are deemed to be affiliated with each other.
	[ Rules (2010-12-01), Tariff (2011-07-01) ]
	includes:
	(i) a representative of a <b>pool participant</b> duly appointed and authorized by the
	pool participant under Section 201.2 of the ISO rules, Appointment of
	Agent to act on behalf of and bind the <b>pool participant</b> with regard to
	transactions and other activities on the Energy Trading System and the
	automated dispatch and messaging system; or
"agent"	(ii) a representative of a <b>market participant</b> or a <b>pool participant</b> , as the case
	may be, duly appointed and authorized to act on behalf of and bind that
	person with regard to other <b>ISO</b> activities, procedures and requirements,
	which such appointment is made under and in accordance with the
	applicable <b>ISO rules</b> , authorizations and procedures.
	[ Rules (2020-09-16) ]
	includes:
	(i) a representative of a <b>pool participant</b> duly appointed and authorized by the
	pool participant under section 201.2 of the ISO rules, Appointment of
	Agent to act on behalf of and bind the <b>pool participant</b> with regard to
	transactions and other activities on the Energy Trading System and the
	Automated Dispatch and Messaging System; or
"agent"	(ii) a representative of a <b>market participant</b> or a <b>pool participant</b> , as the case
	may be, duly appointed and authorized to act on behalf of and bind that
	<b>person</b> with regard to other <b>ISO</b> activities, procedures and requirements,
	which such appointment is made under and in accordance with the
	applicable <b>ISO rules</b> , authorizations and procedures.
	[ Alberta Reliability Standards (2014-10-01) ]
	means an aggregation of <b>generating units</b> , including any <b>reactive power</b>
	resources, which:
"aggregated generating	
"aggregated generating facility"	(i) the <b>ISO</b> designates as an aggregated generating facility; and (i) are situated in the same proximate location at one or more <b>point of</b>
	connections.
	[ Alberta Reliability Standards (2011-12-31)]



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"aggregated generating facility"	means, unless otherwise designated by the <b>ISO</b> , an aggregation of 2 or more <b>generating units</b> , including any associated <b>reactive power</b> resources, where:  (i) each <b>generating unit</b> is rated less than 9 MW;  (ii) all <b>generating units</b> are situated in the same proximate location and have a common <b>collector bus</b> or multiple <b>collector busses</b> that can be operated as a common <b>collector bus</b> ; and  (iii) the <b>aggregated generating facility</b> is connected to the <b>interconnected electric system</b> or the electrical system in the service area of the City of Medicine Hat.
"aggregated facility"	<ul> <li>[ Tariff (2021-01-01) ]</li> <li>means unless otherwise designated by the ISO, an aggregation of 2 or more generating units or energy storage resources, or a combination thereof, including any associated reactive power resources, where:         <ul> <li>(i) each generating unit or energy storage resource is rated less than 9 MW;</li> <li>(ii) all generating units and energy storage resources are situated in the same proximate location and have a common collector bus or multiple collector busses that can be operated as a common collector bus; and</li> <li>(iii) the aggregated facility is connected to the interconnected electric system or the electrical system in the service area of the City of Medicine Hat.</li> </ul> </li> </ul>
"Alberta interchange capability"	[Rules (2024-04-01)] means the amount of interconnected electric system transmission capability the ISO determines is available for allocation to all transfer paths, after subtracting amounts for relevant factors including system operating limits, generating capacity and Alberta internal load.  [Rules (2012-01-31)]
"Alberta internal load"	means a number in MW:  (i) that represents, in an hour, system load plus load served by an on-site generating unit, aggregated facility, or energy storage resource, including those within an industrial system and the City of Medicine Hat; and (ii) which the ISO, using supervisory control and data acquisition data, calculates as the sum of the energy produced by each generating unit, aggregated facility, and energy storage resource in Alberta and the Fort Nelson area in British Columbia, plus import volumes and minus export volumes.  [Rules (2024-04-01)]
"allowable dispatch variance"	means:  (i) for a source asset that is controllable, as measured from the dispatch quantity:  (a) plus or minus 5 MW for a source asset with a maximum capability of 200 MW or less; or  (b) plus or minus 10 MW for a source asset, with a maximum capability or greater than 200 MW;  (ii) for a source asset that is non-controllable with a maximum capability of 200MW or less:  (a) 5 MW greater than the dispatch quantity and 5 MW less than the potential real power capability, if the potential real power capability is less than the dispatch quantity; or  (b) plus or minus 5 MW from the dispatch quantity, if the potential real power capability is greater than or equal to the dispatch quantity;



Term	Definition
	(iii) for a source asset that is non-controllable with a maximum capability of
	greater than 200 MW:
	(a) 10 MW greater than the <b>dispatch</b> quantity and 10 MW less than the
	potential <b>real power</b> capability, if the potential <b>real power</b> capability is
	less than the <b>dispatch</b> quantity; or
	(b) plus or minus 10 MW from the <b>dispatch</b> quantity, if the potential <b>real</b>
	<b>power</b> capability is greater than or equal to the <b>dispatch</b> quantity;
	(iv) for a source asset that is partially-controllable with a maximum
	capability of 200 MW or less, when the source asset is dispatched within
	the variable energy resource quantity:
	(a) 5 MW greater and 5 MW less than the potential <b>real power</b> capability, if
	the potential <b>real power</b> capability is less than the <b>dispatch</b> quantity;
	(b) plus or minus 5 MW from the <b>dispatch</b> quantity, if the potential <b>real</b>
	<b>power</b> capability is greater than or equal to the <b>dispatch</b> quantity;
	(v) for a source asset that is partially-controllable with a maximum
	capability greater than 200 MW, when the source asset is dispatched
	within the <b>variable energy resource quantity</b> :  (a) 10 MW greater 10 MW less than the potential <b>real power</b> capability, if
	the potential <b>real power</b> capability is less than the <b>dispatch</b> quantity; or
	(b) plus or minus 10 MW from the <b>dispatch</b> quantity, if the potential <b>real</b>
	<b>power</b> capability is greater than or equal to the <b>dispatch</b> quantity;
	(vi) for a source asset that is partially-controllable, when the source asset is
	dispatched outside the variable energy resource quantity:
	(a) plus or minus 5 MW of the <b>dispatch</b> quantity less the dispatched
	variable energy resource quantity, plus the potential <b>real power</b>
	capability for a <b>source asset</b> with a <b>maximum capability</b> of 200 MW or
	less; or
	(b) plus or minus 10 MW of the <b>dispatch</b> quantity less the dispatched
	variable energy resource quantity, plus the potential <b>real power</b>
	capability for a source asset with a maximum capability of greater
	than 200 MW.
	[ Rules (2024-04-01) ]
	as defined in the Act means those services required to ensure that the
	interconnected electric system is operated in a manner that provides a
"ancillary services"	satisfactory level of service with acceptable levels of voltage and frequency.
	Rules (2010-12-01), Alberta Reliability Standards (2014-10-01),
	Tariff (2011-07-01) ]
	means the supply cushion as determined by the ISO in accordance with
"anticipated supply	subsection 4 of Section 206.2 of the ISO rules, Interim Supply Cushion
cushion"	Directives and section 4 of the Supply Cushion Regulation, Alberta Regulation
	42/2024.
	[ Rules (2024-07-01) ]
"apparent power"	means the total power, in MVA, in an alternating current power system and is
	calculated as the vector sum of <b>real power</b> and <b>reactive power</b> .
	[ Rules (2010-07-23), Alberta Reliability Standards (2011-12-31),
	Tariff (2011-07-01)]
	means the instantaneous difference between actual <b>interchange</b> and scheduled
	interchange, taking into account the effects of frequency bias, time error and
"area control error"	unilateral <b>inadvertent interchange</b> if automatic correction is part of the
	automatic generation control of the interconnected electric system, and a
	correction for metering error.



Term	Definition
	[ Alberta Reliability Standards (2019-07-01) ]
"arranged interchange"	means the state where the interchange authority has received the
	interchange information (initial or revised).
	[ Alberta Reliability Standards (2010-01-22) ]
"ALIC Act"	means the Alberta Utilities Commission Act, as amended from time to time.
"AUC Act"	[ Rules (2003-06-01) ]
	means the unavailability of a facility which is not anticipated as part of a legal
"automatic forced	owner's regular maintenance and occurs as a result of an automatic or
outage"	accidental action.
	[ Rules (2014-07-02) ]
	means equipment that adjusts generation in a balancing authority area from a
"automatic ganaration	central location to maintain frequency or interchange schedule plus or minus
"automatic generation control"	frequency bias; and may also accommodate automatic inadvertent payback
Control	and time error correction.
	[ Alberta Reliability Standards (2014-10-01) ]
	means a process of adjusting resources that produce or consume electrical
	energy in a <b>balancing authority area</b> from a central location to:
"automatic generation	(i) maintain the <b>balancing authority</b> 's frequency or <b>interchange schedule</b> ,
control (AGC)"	plus or minus <b>frequency bias</b> ; or
	(ii) accommodate automatic inadvertent payback and time error correction.
	[ Rules (2024-04-01) ]
	means the component of the <b>area control error</b> equation for the <b>western</b>
"automatic time error	interconnection that is added to modify the control point for the purpose of
correction"	continuously paying back primary inadvertent interchange to correct
	accumulated time error.
	[ Alberta Reliability Standards (2016-12-19) ]
"automatic voltage	means the automatic control equipment that adjusts and continuously maintains
regulator (AVR)"	the voltage level of a <b>generating unit</b> or an <b>energy storage resource</b> .
-31 111 ( )	[ Rules (2024-04-01) ]
"automatic voltage	means the automatic control equipment that adjusts the excitation level of a
regulator (AVR)"	generating unit to maintain voltage levels.
<b>3</b> , ,	[ Alberta Reliability Standards (2016-04-01), Tariff (2015-07-01) ]
	means:
	(i) for a <b>source asset</b> , excluding an import asset, the maximum MW that the
"available capability"	source asset is physically capable of providing; or
	<ul><li>(ii) for an import source asset, the MW that the pool participant submits in an offer.</li></ul>
	[ Rules (2024-04-01) ] means the remaining transfer capability the <b>ISO</b> determines can be commercially
	available for transfers over the interconnected transmission network over and
"available transfer	above already committed uses, and is calculated as the <b>total transfer</b>
capability"	capability minus the sum of any applicable transmission reliability margin
Capability	and existing transmission commitments.
	[ Rules (2012-01-31) ]
	means a responsible entity that integrates resource plans ahead of time,
	maintains load-interchange generation balance within a balancing authority
"balancing authority"	area and supports Interconnection frequency in real time.
	[ Alberta Reliability Standards (2014-10-01) ]
	means the responsible entity that integrates resource plans ahead of time,
	maintains load-interchange-generation balance within a <b>balancing authority</b>
"balancing authority"	area, and supports interconnection frequency in real time.
	[ Rules (2009-05-28) ]
	[ : \diss \2555 \00 25/]



Term	Definition
	means the collection of generation, transmission and loads, within the metered
"balancing authority	boundaries of the balancing authority and for which the balancing authority
area"	maintains load-resource balance.
	[ Rules (2010-12-01), Alberta Reliability Standards (2014-10-01) ]
	means the collection of generation, transmission and loads within the metered
"balancing authority	boundaries of the balancing authority and for which the balancing authority
area"	maintains load-resource balance.
	[ Tariff (2021-01-01) ]
	means 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:
	(i) due to:
	(A) generating unit tripping;
	(B) loss of aggregating; generating facility resulting in isolation from the
"balancing contingency	
event"	(C) sudden unplanned outage of a transmission facility; and
	(ii) that causes an unexpected change to the ISO's area control error;
	(b) sudden loss of an import, due to forced outage of transmission equipment
	that causes an unexpected imbalance between generation and <b>demand</b> on
	the Interconnection; and
	(c) sudden restoration of a <b>demand</b> resource that causes an unexpected
	change to the ISO's area control error.
	Alberta Reliability Standards (2019-07-01) ]
	means a cyber asset that if rendered unavailable, degraded, or misused would,
	within 15 minutes of its required operation, misoperation, 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
"BES cyber asset"	adverse impact. Each BES cyber asset is included in one or more BES cyber
	systems. (A cyber asset is not a BES cyber asset if, for 30 consecutive days
	or less, it is directly connected to a network within an electronic security
	perimeter, a cyber asset within an electronic security perimeter, or to a BES
	cyber asset, and it is used for data transfer, vulnerability assessment,
	maintenance, or troubleshooting purposes.)
	[ Alberta Reliability Standards (2017-10-01) ]
	means one or more BES cyber assets logically grouped to perform one or more
"BES cyber system"	reliability tasks for a functional entity.
	[ Alberta Reliability Standards (2017-10-01) ]
	means information about the BES cyber system that could be used to gain
"BES cyber system information"	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 <b>BES cyber systems</b> , such as, but not limited to, device names,
	individual IP addresses without context, electronic security perimeter names,
	or policy statements.
	[ Alberta Reliability Standards (2017-10-01) ]
	means, in respect of a pool asset in a settlement interval, a pool participant
"bid"	submission to purchase:
bid	(i) electric energy and includes all of the operating blocks the pool participant
	uses for that submission; or



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	(ii) <b>operating reserves</b> from applicable Alberta markets.
	[ Rules (2012-12-03) ] [ Tariff (2025-02-01) ]
"billing capacity"	means, at a <b>point of delivery</b> , the highest of:  (i) the highest 15-minute <b>metered demand</b> in the <b>settlement period</b> ;  (ii) 90% of the highest <b>metered demand</b> in the 24-month period including and ending with the <b>settlement period</b> , but excluding any months during which <b>commissioning</b> occurs; or  (iii) 90% of the <b>contract capacity</b> or, when the <b>settlement period</b> contains a transaction under Rate DOS, 100% of the <b>contract capacity</b> .  [Tariff (2011-07-01)]
"blackstart resource"	means a <b>generating unit(s)</b> or <b>aggregated generating facility</b> 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 dead bus, meeting the <b>ISO</b> 's restoration plan needs for <b>real power</b> and <b>reactive power</b> capability, frequency and voltage control, and that has been included in the <b>ISO</b> 's restoration plan.  [ Alberta Reliability Standards (2017-10-01) ]
"bulk electric system"	as defined by the Regional Reliability Organization, means the electrical generation resources, transmission lines, <b>interconnections</b> , with neighbouring <b>systems</b> , and associated equipment, generally operated at voltages of one hundred (100) kV or higher; radial <b>transmission facilities</b> serving only load with one (1) transmission source are generally not included in this definition.  [Rules (2016-08-30), Alberta Reliability Standards (2014-10-01): This definition will no longer be in effect for Alberta Reliability Standards as of 2022-08-06]
"bulk electric system"	means all system elements that are included in the following:  (i) all system elements that have all terminals energized at 100 kV or higher that are not part of a radial circuit;  (ii) a radial circuit comprised of system elements that have all terminals energized at 100 kV or higher where the radial circuit connects to:  (a) any facility included in items (iv) through (vii) below; or  (b) 2 or more generating resources, being generating units and aggregated generating facilities, that have a combined maximum authorized real power higher than 67.5 MW;  (iii) a transformer that has its primary terminal and at least one secondary terminal energized at 100 kV or higher;  (iv) a generating unit that has a maximum authorized real power higher than 18 MW where system access service is provided through a switchyard that is directly connected to transmission facilities energized at 100 kV or higher, including all system elements from the terminal of the generating unit to the transmission facilities energized at 100 kV or higher;  (v) an aggregated generating facility that has a maximum authorized real power higher than 67.5 MW where system access service is provided through a switchyard that is directly connected to transmission facilities energized at 100 kV or higher, and excluding the generating units and the collector system feeders;  (vi) all generating units and aggregated generating facilities where system access service is provided through a common switchyard that is directly connected to transmission facilities energized at 100 kV or higher, and excluding the generating units and the collector system feeders;  (vi) all generating units and aggregated generating facilities where system access service is provided through a common switchyard that is directly connected to transmission facilities energized at 100 kV or higher and the generating units and aggregated generating facilities have a combined maximum authorized real power higher than 67.5 MW,



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	including all system elements from the terminal of each generating unit and from the collector bus of each aggregated generating facility to transmission facilities energized at 100 kV or higher, and excluding the generating units and collector system feeders of each aggregated generating facility;  (vii) a blackstart resource, including all system elements from the terminal of the blackstart resource to transmission facilities that are energized at 100 kV or higher; and  (viii) a static or dynamic reactive power resource that is dedicated to supplying or absorbing reactive power to or from the transmission system and is connected:	
	<ul> <li>(a) to transmission facilities energized at 100 kV or higher;</li> <li>(b) through a dedicated transformer that is directly connected to transmission facilities energized at 100 kV or higher; or</li> <li>(c) through a non-dedicated transformer that has its primary terminal and at least one secondary terminal energized at 100 kV or higher; including all system elements from the terminal of the reactive power resource to the transmission facilities energized at 100 kV or higher.</li> </ul>	
	[ Alberta Reliability Standards (2020-08-06) ] [ Alberta Reliability Standards 2022-08-06: for facilities that are not currently considered part of the bulk electric system under the version of the definition in effect on 2014-10-01 but will be part of the bulk electric system under the version of the definition approved on 2020-08-06 ]	
	"bulk transmission line" means a system or arrangement of lines of wire or other conductors and related equipment, wholly in Alberta, whereby electric energy is transmitted in bulk and includes:	
	(i) transmission circuits composed of the conductors that form the minimum set required to so transmit electric energy;	
	(ii) insulating and supporting structures; and	
	(iii) all property of any kind used for the purpose of, or in connection with, or incidental to, the operation of such a line;	
"bulk transmission line"	but does not include:	
	(iv) a substation,	
	(v) operational and control devices;	
	(vi) a generating unit;	
	(vii) an aggregated facility;	
	(viii) an energy storage resource; or	
	an electric distribution system.	
	[ Rules (2024-04-01) ]	
"business day"	means a <b>day</b> other than: (i) a Saturday; or	
	(ii) a holiday as that term is defined in the <i>Interpretation Act</i> [ Rules (2020-09-16) ]	
	means a <b>day</b> other than:	
"business day"	<ul><li>(ii) a holiday during which banks in Alberta are generally closed;</li><li>(iii) Saturday; or</li><li>(iv) Sunday.</li></ul>	



Term	Definition
	[ Alberta Reliability Standards (2011-12-31) ]
	as defined in the Act means a day other than a Saturday or a holiday as defined
	in the Interpretation Act.
	[ Tariff (2021-01-01) ]
	means an adjustment to the loss charges ensuring that the actual cost of losses
	is reasonably recovered through charges and credits under the ISO tariff on an
"calibration factor"	annual basis.
	[ Rules (2012-10-10), Tariff (2015-07-01) ]
	means the uncontrolled successive loss of system elements triggered by an
	incident at any location, resulting in widespread electric services interruption that
"cascading"	cannot be restrained from sequentially spreading beyond an area predetermined
3	by studies.
	Alberta Reliability Standards (2014-10-01) ]
	means a situation that involves or threatens to involve one or more of the
	following, or similar, conditions that impact safety or bulk electric system
	reliability: a risk of injury or death; a natural disaster; civil unrest; an imminent or
"CIP exceptional	existing hardware, software, or equipment failure; a cyber security incident
circumstance"	requiring emergency assistance; a response by emergency services; the
	enactment of a mutual assistance agreement; or an impediment of large scale
	workforce availability.
	[ Alberta Reliability Standards (2017-10-01) ]
	means a single senior management official with overall authority and
"OID	responsibility for leading and managing implementation of and continuing
"CIP senior manager"	adherence to the requirements within the CIP reliability standards.
	Alberta Reliability Standards (2024-10-01) ]
	means the low voltage side of any step-up transformers connected to the
	transmission system where the real power and reactive power produced by
"collector bus"	any generating units or reactive power resources, or both of them, are
	collected.
	[ Alberta Reliability Standards (2011-12-31) ]
	means the low voltage side of any step-up transformer connected to the
	interconnected electric system or the electrical system in the City of Medicine
"collector bus"	Hat where <b>real power</b> and <b>reactive power</b> are collected within an <b>aggregated</b>
	facility.
	[ Rules (2024-04-01) ]
	means the date upon which a load, <b>generating unit, aggregated facility</b> , or
	energy storage resource begins to operate on the transmission system in a
"commercial operation"	manner acceptable to the <b>ISO</b> and which is expected to be normal for it to
	operate, after energization and <b>commissioning</b> .
	[ Rules (2024-04-01) ]
"commercial operation"	means the date upon which a load, generating unit or aggregated generating
	facility begins to operate on the transmission system in a manner which is
	acceptable to the <b>ISO</b> and which is expected to be normal for it to so operate,
	after energization and commissioning.
	[ Tariff (2015-07-01) ]
	as defined in the <b>Act</b> means the Alberta Utilities Commission established by the
"Commission"	Alberta Utilities Commission Act.
	[ Rules (2010-12-01), Alberta Reliability Standards (2014-10-01),
	Tariff (2011-07-01) ]



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	means:
"commissioning"	<ul> <li>(i) in the case of a new generating unit, a new aggregated facility, or a new energy storage resource, the process of carrying out, after connection to the interconnected electric system but before commercial operation, activities designed to test equipment or the facility, or a process to confirm that the facility can satisfactorily enter commercial operation and, where applicable, meets the ISO's requirements and other relevant standards;</li> <li>(ii) in the case of an existing generating unit, an existing aggregated facility, or an existing energy storage resource that is being modified, the process of carrying out activities designed to test equipment or the facility, or confirm that the facility can satisfactorily continue in commercial operation and, where applicable, continue to meet the ISO's requirements and other relevant standards;</li> <li>(iii) in the case of a new transmission facility or a new load facility, the process of carrying out, after energization but before normal operation, activities designed to test equipment or the facility, or confirm that the facility can satisfactorily enter normal operation and, where applicable, meets the ISO's requirements and other relevant standards; and</li> <li>(iv) in the case of an existing transmission facility or an existing load facility that is being upgraded in the form of a requested increase in capacity or revised functionality, the process of carrying out activities designed to test equipment or the facility, or confirm that the facility can satisfactorily continue in normal operation and, where applicable, continue to meet the ISO's requirements and other relevant standards.</li> </ul>
"commissioning"	[Rules (2024-04-01)]  means:  (i) in the case of a new generating unit or a new aggregated generating facility, the process of carrying out, after connection to the interconnected electric system but before commercial operation, activities designed to test equipment, the facility or a process to confirm that the facility can satisfactorily enter commercial operation and, where applicable, meets the ISO's requirements and other relevant standards;  (ii) in the case of an existing generating unit or an existing aggregated generating facility that is being modified, the process of carrying out activities designed to test equipment, the facility or a process to confirm that the facility can satisfactorily continue in commercial operation and, where applicable, continue to meet the ISO's requirements and other relevant standards;  (iii) in the case of a new transmission facility or a new load facility, the process of carrying out, after energization but before normal operation, activities designed to test equipment, the facility or a process to confirm that the facility can satisfactorily enter normal operation and, where applicable, meets the ISO's requirements and other relevant standards; and  (iv) in the case of an existing transmission facility or an existing load facility that is being upgraded in the form of a requested increase in capacity or revised functionality, the process of carrying out activities designed to test equipment, a facility or a process to confirm that the facility can satisfactorily continue in normal operation and, where applicable, continue to meet the ISO's requirements and other relevant standards.  [Tariff (2021-01-01)]



Term	Definition
"confirmed	means the state where the interchange authority has verified the arranged
interchange"	interchange.
	[ Alberta Reliability Standards (2010-01-22) ]
"constraint effective factor"	means a ratio, based on the results of load flow studies conducted by the <b>ISO</b> , of the change in the flow of electric energy through a <b>transmission constraint</b> to a change in energy production, energy consumption or an electric energy flow across an <b>interconnection</b> .  [Rules (2011-05-05)]
"construction contribution"	means the financial contribution in aid of construction, in excess of any available maximum local investment, that a <b>market participant</b> must pay for the construction and associated costs of <b>transmission facilities</b> required to provide <b>system access service</b> .  [Tariff (2011-07-01)]
"contingency"	means the unexpected failure or outage of a system component, such as a <b>generating unit</b> , transmission line, circuit breaker, switch or electrical element. [Rules (2014-12-23)]
"contingency"	means the unexpected failure or outage of a system component, such as a <b>generating unit</b> , transmission line, circuit breaker, switch or electrical element.  [ Alberta Reliability Standards (2014-10-01) ]
"contingency reserve"	means the component of <b>operating reserve</b> used to recover the area control error in accordance with <b>reliability standards</b> .  [ Rules (2014-12-23) ]
"contingency reserve"	means the <b>operating reserve</b> used to recover the <b>area control error</b> according to <b>WECC</b> criteria.  [ Alberta Reliability Standards (2014-10-01) ]
"contract capacity"	means the peak demand or supply capability, in MW, as set out in an agreement for <b>system access service</b> .  [ Rules (2010-12-01), Tariff (2011-07-01) ]
"control centre"	means one or more facilities, including their associated data centres, hosting operating personnel that monitor and control the <b>bulk electric system</b> in realtime to perform the reliability tasks of any one or more of:  (i) the <b>ISO</b> ;  (ii) an <b>operator</b> of a <b>transmission facility</b> for <b>transmission facilities</b> at 2 or more locations; and  (iii) an <b>operator</b> of a <b>generating unit</b> , an <b>aggregated facility</b> , or an <b>energy storage resource</b> for either <b>generating units</b> , <b>aggregated facilities</b> , or <b>energy storage resource</b> at 2 or more locations.  [Rules (2024-04-01)]
"control centre"	means one or more facilities hosting operating personnel that monitor and control the <b>bulk electric system</b> in real-time to perform the reliability tasks, including their associated data centres, of: 1) the <b>ISO</b> , 2) an <b>operator</b> of a <b>transmission facility</b> for <b>transmission facilities</b> at two (2) or more locations, or 3) an <b>operator</b> of a <b>generating unit</b> or an <b>operator</b> of an <b>aggregated generating facility</b> for either <b>generating units</b> or <b>aggregated generating facilities</b> at two (2) or more locations.  [ Alberta Reliability Standards (2017-10-01) ]
"control performance standard"	means the <b>reliability standard</b> that sets the limits of the <b>area control error</b> of a <b>balancing authority</b> over a specified time period.  [ Alberta Reliability Standards (2014-10-01) ]
"cost estimate"	means a compilation of all the probable costs of the elements of a project included within a defined scope. The <b>cost estimate</b> is to be provided in the form of the "Cost Estimating Template" available on the AESO website.



Term	Definition
	[ Rules (2016-04-29) ]
"cranking path"	means 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 or aggregated generating facilities.
	[ Alberta Reliability Standards (2017-10-01) ]
	means programmable electronic devices, including the hardware, software, and
"cyber asset"	data in those devices.
	Alberta Reliability Standards (2017-10-01) ]
	means a malicious act or suspicious event that:
"ovbor coourity	compromises, or was an attempt to compromise, the electronic security
"cyber security incident"	perimeter or physical security perimeter, or
incident	<ul> <li>disrupts, or was an attempt to disrupt, the operation of a BES cyber</li> </ul>
	system.
	[ Alberta Reliability Standards (2017-10-01) ]
	means the twenty-four (24) hour period in Alberta beginning at 00:00:00 and
	ending at 23:59:59 but which:
	(i) in the case of the day on which daylight savings begins, is twenty-three (23)
"day"	hours; or
	(ii) in the case of the day on which daylight savings ends, is twenty-five (25)
	hours.
	Rules (2013-01-08), Alberta Reliability Standards (2014-10-01) ]
	means the 24 hour period in Alberta beginning at 00:00:00 and ending at
	23:59:59 but which
"day"	(i) in the case of the day on which daylight savings begins, is 23 hours; or
	(ii) in the case of the day on which daylight savings ends, is 25 hours.
	Tariff (2021-01-01) ]
	means the unavailability of a facility which is not anticipated and occurs as a
"delayed forced outage"	result of a deliberate, manual action.
	[ Rules (2014-07-02) ]
	means:
	(i) the rate at which electric energy is delivered to or by a system or part of a
"demand"	system, generally expressed in MW, at a given instant or averaged over any
demana	designated interval of time; or
	(ii) the rate at which electric energy is being used.
	Alberta Reliability Standards (2014-10-01), Tariff (2015-07-01) ]
"dependability-based	means the absence of a protection system or remedial action scheme
misoperation"	operation when intended.
	[ Alberta Reliability Standards (2014-10-01) ]
"Designated TFO"	means with respect to a <b>Project</b> , the <b>TFO</b> or <b>TFO</b> s whom the <b>ISO</b> has
	determined pursuant to <b>rule</b> 9.1.1, to be the <b>TFO</b> or <b>TFO</b> s eligible to be issued a
	<b>Direction</b> or to whom the <b>ISO</b> has issued a <b>Direction</b> , as the case may be but
	does not include a <b>TFO</b> where the person who is eligible to apply for the
	construction and operation of the <b>transmission facility</b> was determined by a
	competitive process developed by the <b>ISO</b> in accordance with the <b>Act</b>
	[ Rules (2016-11-29) ]
	means a data communication link that is established when the communication
"dial-up connectivity"	equipment dials a phone number and negotiates a connection with the
	equipment on the other end of the link.
	[ Alberta Reliability Standards (2017-10-01) ]



Term	Definition
	as defined in the <b>Act</b> does not include loss of profits, loss of revenue, loss of
"direct loss or damage"	production, loss of earnings, loss of contract or any other indirect, special or
	consequential loss or damage whatsoever arising out of or in any way connected
and control of the manning of	with an Independent System Operator act.
	[ Rules (2010-12-01) ]
	means where the <b>ISO</b> is authorized by legislation or regulation to either "direct" a
	<b>TFO</b> to assist the <b>ISO</b> or to do any other thing or where the <b>ISO</b> is authorized by
	the <b>ISO rules</b> to require a <b>market participant</b> to do any other thing, that the <b>ISO</b>
	has directed such <b>TFO</b> or <b>market participant</b> accordingly. A <b>market participant</b>
	or <b>TFO</b> , as the case may be, to whom a direction has been delivered by the <b>ISO</b>
	may refuse to comply with such direction only if such market participant or TFO
	notifies the ISO that the market participant or TFO considers that
"Direction"	(a) a real and substantial risk of damage to its transmission facility or
	generation unit could result if the direction were complied with;
	(b) a real and substantial risk to the safety of its employees or the public could
	result if the <b>direction</b> were complied with; or
	(c) a real and substantial risk of undue injury to the environment could result if
	the <b>direction</b> were complied with.
	Rules (2009-09-01) ]
	means a direction the <b>ISO</b> gives to a <b>market participant</b> instructing the <b>market</b>
	participant to take any action the ISO deems necessary to maintain the
"directive"	reliability of the interconnected electric system.
	Rules (2012-07-10), Alberta Reliability Standards (2014-10-01), Tariff 2021-01-
	01)]
	has the same meaning as that provided in the Act, which means a direction from
	the ISO to a pool participant to cause, permit or alter the exchange of electric
"dispatch"	energy or ancillary services.
•	Rules (2003-06-01), Alberta Reliability Standards (2014-10-01) ] [ ISO Tariff
	(2025-02-01)]
	means a service which:
W -11 4 - 1	(i) a <b>pool participant</b> elects to provide via an <b>offer</b> ; and
"dispatch down	(ii) requires reducing energy production from a source asset in response to a
service"	dispatch.
	Rules (2013-01-08) ]
	means an unplanned event which produces an abnormal system condition or the
"disturbance"	effects experienced by a power system following a <b>contingency</b> , such as high or
	low frequency, abnormal voltage, or oscillations in the system.
	Rules (2003-06-01), Alberta Reliability Standards (2014-10-01) ]
	means a performance measure applied to a <b>balancing authority</b> (BA) or
	reserve sharing group (RSG) for recovering from a <b>disturbance</b> within fifteen
"disturbance control	(15) minutes by restoring <b>area control error</b> (ACE) to zero (0) or to its pre-
standard"	disturbance level.
	Alberta Reliability Standards (2014-10-01) ]
	<u> </u>



Term	Definition
	means devices capable of monitoring and recording system data pertaining to a
	disturbance, including:
	(i) sequence of event recorders which record equipment response to the
	disturbance;
	(ii) fault recorders, which record actual waveform data replicating the system
"disturbance	primary voltages and currents and which may include protective relays that
monitoring equipment"	provide this functionality; and
	(iii) dynamic <b>disturbance</b> recorders which record incidents that portray system
	behaviour during <b>disturbances</b> , such as low-frequency (0.1 Hz - 3 Hz)
	oscillations, abnormal frequency or voltage excursions, and which may
	include phasor measurement units.
	[ Alberta Reliability Standards (2014-10-01) ]
	means, in relation to the transmission elements that comprise the <b>transmission</b>
"downstream constraint	constraint, those elements of the interconnected electric system more
side"	proximate to the load or consumption side of the <b>transmission constraint</b> than
	to the supply side of the transmission constraint.
	[ Rules (2011-05-05) ]
	means an electronic identifier which contains specific transactional information,
"e-tag"	necessary for scheduling an interchange transaction.
	[ Rules (2012-01-31), Alberta Reliability Standards (2014-10-01) ]
	means the plant, works, equipment, systems and services necessary to
	distribute electricity in a service area, including energy storage approved by the
"electric distribution	<b>Commission</b> as part of an <b>electric distribution system</b> , but does not include a
system"	(i) a generating unit;
	(ii) a transmission facility; or
	(iii) an energy storage resource.
	[ Rules (2024-04-01) ]
	as defined in the Act means the plant, works, equipment, systems and services
"electric distribution	necessary to distribute electricity in a service area, but does not include a
system"	generating unit or a transmission facility.
	[ Alberta Reliability Standards (2014-10-01), Tariff (2011-07-01) ]
	means a condition in the electrical system where geographical areas of the
	interconnected electric system electrically separate from the interconnected
"electrical islands"	electric system, resulting from system disturbances, such that there exists
	both electricity production and consumption in these separated areas.  [ Rules (2024-04-01) ]
"electronic access	means <b>cyber assets</b> that perform electronic access control or electronic access monitoring of the <b>electronic security perimeter</b> (s) or <b>BES cyber systems</b> . This
control or monitoring	includes intermediate systems.
systems"	
	[ Alberta Reliability Standards (2017-10-01) ] means a <b>cyber asset</b> interface on an <b>electronic security perimeter</b> that allows
"electronic access	routable communication between cyber assets outside an electronic security
point"	perimeter and cyber assets inside an electronic security perimeter.
ponit	[ Alberta Reliability Standards (2017-10-01) ]
	means the logical border surrounding a network to which <b>BES cyber systems</b>
electronic security	are connected using a routable protocol.
perimeter"	[ Alberta Reliability Standards (2017-10-01) ]
	as defined in the Supply Cushion Regulation, Alberta Regulation 42/2024,
"eligible long lead time	means a <b>source</b> asset that requires more than one hour to synchronize to the
asset"	interconnected electric system.
	[ Rules (2024-06-21) ]
	[ Naios (2024-00-21)]



Term	Definition
	means, as declared by the ISO, either:
"emergency"	(i) any abnormal system condition which requires immediate manual or automatic action to prevent abnormal system frequency deviation, abnormal voltage levels, equipment damage, or tripping of system elements which might result in cascading effects; or
	<ul><li>(ii) a state in which the interconnected electric system lacks sufficient ancillary services.</li><li>[ Alberta Reliability Standards (2024-04-01) ]</li></ul>
	means energy provided to the party experiencing a <b>system emergency</b> , by the
"emergency assistance"	other party.
	[ Rules (2003-06-01) ]
"emergency assistance"	means energy provided to a <b>person</b> experiencing a <b>system emergency</b> .  Alberta Reliability Standards (2014-10-01) ]
	, , , , , , , , , , , , , , , , , , , ,
"emergency rating"	means, as determined by the <b>legal owner</b> of the equipment or facility, the <b>equipment rating</b> or the <b>facility rating</b> that the equipment or facility can sustain for a specified period, and takes into account the physical or safety limits of the equipment or facility and assumes acceptable loss of equipment or facility life during the period.  [Rules (2016-08-15)] [Alberta Reliability Standards (2019-01-01)]
"emissions costs"	as defined in the Supply Cushion Regulation, Alberta Regulation 42/2024, means the amount that a <b>pool participant</b> for an <b>eligible long lead time asset</b> pays in respect of the costs of complying with (i) section 12(3) of the <i>Technology Innovation and Emissions Reduction Regulation Alberta Regulation</i> 133/2019 and (ii) any similar obligation under an enactment governing greenhouse gas emissions in Alberta.  [Rules (2024-06-21)]
"energy storage resource"	means a technology or process owned by a <b>pool participant</b> that is capable of using electric energy as an input, storing the energy for a period of time and then discharging electric energy as an output, and includes a share of the following associated facilities that are necessary for the safe, reliable, and economic operation of the <b>energy storage resource</b> , which may be used in common with <b>other energy storage resources</b> :  (i) fuel and fuel handling equipment;  (ii) cooling water facilities;  (iii) switch yards; and  (iv) other items.  [Rules (2024-04-01)] [ISO Tariff (2025-02-01)]
"equipment rating"	means, as determined by the legal owner of the equipment, as applicable, the maximum and minimum voltage, current, frequency, real power, reactive power and apparent power limit of individual equipment under the following conditions: (i) steady state, (ii) short-circuit, and (iii) transient.  [ Rules (2016-08-15) ]
"equipment rating"	means, as determined by the <b>legal owner</b> of the equipment, as applicable, the maximum and minimum voltage, current, frequency, <b>real power</b> , <b>reactive power</b> and <b>apparent power</b> limit of individual equipment under the following conditions: (i) steady state, (ii) short-circuit, and (iii) transient.  [ Alberta Reliability Standards (2019-01-01) ]
"external routable connectivity"	means the ability to access a <b>BES cyber system</b> from a <b>cyber asset</b> that is outside of its associated <b>electronic security perimeter</b> via a bi-directional routable protocol connection.  [ Alberta Reliability Standards (2017-10-01) ]
	<u>, , , , , , , , , , , , , , , , , , , </u>



Term	Definition
	means, as determined by the <b>legal owner</b> of the facility, the most limiting
"facility rating"	applicable equipment rating of the individual equipment that comprises the
	facility.
	[ Rules (2016-08-15), Alberta Reliability Standards (2019-01-01) ]
	means a service that provides a change in <b>real power</b> supplied to the
	interconnected electric system in response to a change in frequency, which
"fast frequency	may be in the form of either one or both of a change in <b>real power</b> consumption
response service"	or a change in <b>real power</b> production, but does not include <b>operating reserves</b>
	or primary frequency response.
	[ISO Rules (2024-05-31)]
"fo 4"	means an event occurring on an electric system such as a short circuit, a broken
"fault"	wire, or an intermittent connection.
	[ Alberta Reliability Standards (2015-09-01) ]
	means an Association for the Advancement of Cost Engineering Practices Class 1 cost estimate, which is a cost estimate in an accuracy range
"final cost estimate"	between -3 to -10% and +3 to +15%.
	Rules (2016-04-29) ]
	means a document to be completed in the form of the "Final Cost Report" posted
"final cost report"	on the AESO website.
iniai cost report	[ Rules (2016-04-29) ]
	means the date on which a <b>transmission facility</b> project or <b>system access</b>
	service project, including a project that is energized in stages, is fully energized
"final energization"	and operational, as specified in an energization certificate or energization
	checklist of the ISO.
	[ Rules (2016-04-29) ]
	means any information and records about the business, credit and financial
"financial information"	standing, condition and viability of a market participant or its credit support
	provider.
	[ Rules (2011-07-01) ]
	means any debt, payment or similar obligation of a market participant actually
"financial obligation"	incurred or likely to be incurred under the ISO rules, the reliability standards,
	the ISO tariff, the Act or as a counterparty to any contract with the ISO.
	[ Rules (2024-05-02) ]
	means any debt, payment or similar obligation of a <b>market participant</b> actually incurred or likely to be incurred under the <b>ISO rules</b> , the <b>reliability standards</b> ,
"financial obligation"	the <b>ISO tariff</b> or as a counterparty to any contract with the <b>ISO</b> .
	[ Tariff (2015-07-01) ]
	means sufficient enforceable credit support to secure the <b>financial obligations</b>
"financial security"	of a market participant to the ISO.
iniuniolal occurry	[ Rules (2011-07-01) ]
	means sufficient enforceable credit support to secure the <b>financial obligations</b>
"financial security"	of a market participant to the ISO or a legal owner of transmission facilities.
	Tariff (2021-01-01) ]
IIC'	means an import or export interchange transaction for which the source
"firm interchange transaction"	balancing authority carries the associated operating reserve.
	[ Rules (2009-05-28) ]
	means the load to which the ISO and applicable market participants use
"firm load"	reasonable best efforts to supply power without interruption.
	[ Rules (2013-01-08) ]
"firm load"	means the load that the ISO and system members will use reasonable best
IIIII IOau	efforts to supply without interruption.



Term	Definition
	[ Alberta Reliability Standards (2014-10-01) ]
"flexible block"	means an <b>operating block</b> in an energy <b>offer</b> for which the <b>ISO</b> may issue a
	dispatch for full or partial amounts of MW.
	[ Rules (2013-01-08) ]
	means any occurrence, and its effects, which:
	(i) is beyond the reasonable control of the market participant;
	(ii) could not have been avoided through the use of good electric industry
	practice or by the exercise of reasonable diligence; and
"force majeure"	(iii) prevents a market participant from performing its obligations under the ISO
-	rules, ISO tariff or reliability standards, as applicable;
	but does not include a lack of finances or any occurrence which can be
	overcome by incurring reasonable additional expenses.
	[ Rules (2014-07-02) ]
	means any occurrence, and its effects, which:
	(i) is beyond, the reasonable control of the <b>ISO</b> or a <b>market participant</b> ;
	(ii) could not have been avoided through the use of good electric industry
	practice or by the exercise of reasonable diligence; and
"force majeure"	(iii) prevents the <b>ISO</b> or a <b>market participant</b> from performing its obligations
	under the ISO rules, ISO tariff or reliability standards, as applicable;
	but does not include a lack of finances or any occurrence which can be
	overcome by incurring reasonable additional expenses.
	[ Tariff (2015-07-01) ]
	means the unavailability of a facility which is not anticipated as part of a legal
"forced outage"	owner's regular maintenance and occurs as a result of an automatic or
Torced outage	accidental action.
	[ Tariff (2015-07-01) ]
"foreset schoduling	means the seven (7) day period starting at 00:00:00 immediately following the
"forecast scheduling period"	day a pool participant submits a particular bid or offer.
period	[ Rules (2014-12-23) ]
	means a value, usually expressed in MW per zero point one Hz (MW/0.1 Hz),
"frequency bias"	associated with a balancing authority area that approximates the balancing
irequericy bias	authority area's response to the frequency error of the Interconnection.
	[ Alberta Reliability Standards (2014-10-01) ]
	means a value, usually expressed in MW per zero point one Hz (MW/0.1 Hz), set
"frequency bias	into the area control error algorithm of a balancing authority that allows the
setting"	balancing authority to contribute its frequency response to the
Setting	Interconnection.
	[ Alberta Reliability Standards (2014-10-01) ]
"frequency error"	means the difference between the actual and scheduled frequency. (FA - FS);
nequency error	[ Alberta Reliability Standards (2010-01-22) ]
	means:
	(i) for an equipment, the ability of a system, or elements of the system, to react
	or respond to a change in system frequency; or
"frequency response"	(ii) for a system, the sum of the change in <b>demand</b> , plus the change in
	generation, divided by the change in frequency, expressed in MW per zero
	point one Hz (MW/0.1 Hz).
	[ Alberta Reliability Standards (2014-10-01) ]
"functionally equivalent	means a <b>remedial action scheme</b> that provides the same performance as
remedial action	lollows:
scheme"	(i) each <b>remedial action scheme</b> can detect the same conditions and provide
	mitigation to comply with all <b>reliability standards</b> ; and



Term	Definition
	(ii) each remedial action scheme may have different components and
	operating characteristics.
	[ Alberta Reliability Standards (2014-10-01) ]
"functionally equivalent protection system"	means a <b>protection system</b> that provides performance as follows:  (i) each <b>protection system</b> can detect the same faults within the zone of protection and provide the clearing times and coordination needed to comply with all <b>reliability standards</b> ; and  (ii) each <b>protection system</b> may have different components and operating characteristics.  [ Alberta Reliability Standards (2014-10-01) ]
	means the state of operation that begins the first 10 minute clock period
"generating asset steady state"	following the period in which the electricity production of a <b>source</b> asset, excluding an import asset, has reached the <b>allowable dispatch variance</b> for the <b>source asset</b> .
	[ Rules (2024-04-01) ]
"generating unit"	as defined in the <b>Act</b> means the component of a power plant that produces, from any source, electric energy and <b>ancillary services</b> , and includes a share of the following associated facilities that are necessary for the safe, reliable and economic operation of the <b>generating unit</b> , which may be used in common with other <b>generating units</b> :  (i) fuel and fuel handling equipment;  (ii) cooling water facilities;  (iii) switch yards;  (iv) other items;  but does not include an <b>energy storage resource</b> .  [Rules (2024-04-01)]
"generating unit"	as defined in the <b>Act</b> means the component of a power plant that produces, from any source, electric energy and <b>ancillary services</b> , and includes a share of the following associated facilities that are necessary for the safe, reliable and economic operation of the <b>generating unit</b> , which may be used in common with other <b>generating units</b> :  (i) fuel and fuel handling equipment;  (ii) cooling water facilities;  (iii) switch yards;  (iv) other items.  [ Alberta Reliability Standards (2011-12-31), Tariff (2011-07-01) ]
"good electric industry practice"	means the standard of practice attained by exercising that degree of knowledge, skill, diligence, prudence and foresight which would reasonably and ordinarily be expected from a skilled and experienced <b>person</b> engaged in the same type of undertaking in the same or similar circumstances, including determining what is reasonable in the circumstances having regard for safety, reliability and economic considerations but is not intended to be limited to the optimum practice, method or act, to the exclusion of all others, and rather is intended to include practices, methods and acts generally accepted in Alberta.  [Rules (2010-12-01), Tariff (2011-07-01)]
"governor or governor system"	means automatic control equipment with speed droop characteristics to control generating unit speed and/or electric power output. [ Alberta Reliability Standards (2014-10-01) ]
"governor or governor system"	means automatic control equipment with frequency or speed droop characteristics to control:  (i) the speed or electric power output of a <b>generating unit</b> , or both;  (ii) the electric power input of a load;



Term	Definition
	(iii) the electric power output or input of an energy storage resource, or both;
	or
	(iv) the speed or electric power output of an aggregated facility.
	Rules (2024-04-01)]
	means:
	(i) for an <b>aggregated facility</b> , the sum of <b>real power</b> delivered by the
	generating units or energy storage resources measured at the collector
"gross real power"	<b>bus</b> ; or
	(ii) for a <b>generating unit</b> or synchronous <b>energy storage resource</b> , the <b>real</b>
	power measurement at the stator winding terminal.
	[ Rules (2024-04-01) ]
"HEEA"	means the Hydro and Electric Energy Act (Alberta).
	[ Rules (2003-06-01) ]
"hh"	refers to the current clock hour.
	[ Rules (2003-06-01) ]
	means the sixty (60) minute period ending that hour. For example, HE 24
"hour ending or HE"	includes the time between 23:00 and 24:00. For <b>pool price</b> and <b>dispatch</b>
liour onding or the	purposes, the hour starts at <b>hh</b> :00:00 and ends <b>hh</b> :59:59 for <b>hh</b> +1.
	[ Rules (2003-06-01), Alberta Reliability Standards (2014-10-01) ]
	means a service provided by one (1) or more <b>ancillary service</b> providers that
	consists of a transfer tripping scheme between the 500 kV circuit breakers at
"import load remedial	Langdon and Cranbrook on the Alberta-British Columbia <b>intertie</b> and one (1) or
action scheme (ILRAS)"	more system access customer load breakers which such service is designed
` ,	so that the tripping of the <b>intertie</b> causes the load breakers to open
	automatically, within eight (8) cycles of the trip initiation of the 500 kV breakers.
	[ Rules (2003-06-01) ]
	means: (i) for the energy market, an <b>operating block</b> whose price is at or below
	<ul><li>for the energy market, an <b>operating block</b> whose price is at or below system marginal price;</li></ul>
	(ii) for <b>dispatch down service</b> , starting from the lowest priced <b>operating</b>
"in merit"	block, the operating blocks with a sum of MW sufficient to meet the
	MW requirements for <b>dispatch down service</b> as applicable; or
	(iii) for standby <b>operating reserves</b> , any <b>offer</b> that the <b>ISO</b> accepts.
	Rules (2024-05-31) ]
	means the difference between the net actual interchange of the balancing
"inadvertent	authority and the net interchange schedule of the balancing authority.
interchange"	[ Alberta Reliability Standards (2014-10-01) ]
	means, where the <b>ISO</b> has issued a <b>directive</b> :
	(i) for energy from a long lead time asset; or
	(ii) to cancel one or more of a planned outage, a delayed forced outage,
	or an automatic forced outage for a source asset, excluding an import
	asset;
	and
"incremental generation	
costs"	asset be made available to, or to actually, operate, exchange electric
	energy, or provide ancillary services;
	the reasonable costs incurred that are reasonably attributed to compliance with
	the <b>directive</b> and which would have been avoided but for the <b>directive</b> ,
	including:
	(iv) in the case of compliance with a <b>directive</b> for energy from a <b>long lead</b>
	time asset:



Term	Definition
	(a) the actual costs of all variable charges from Rate STS of the ISO tariff,
	including any applicable loss factors charge or credit;
	(b) variable operational and maintenance charges;
	(c) fuel costs to start and run the <b>long lead time asset</b> or the <b>source</b>
	asset, excluding an import asset, and
	(d) other related reasonable costs;
	(v) in the case of compliance with a <b>directive</b> canceling a <b>planned outage</b> ,
	a delayed forced outage, or an automatic forced outage for a source
	asset, excluding an import asset, costs incurred:
	(a) to plan, prepare for and execute the outage, from initial planning and inception to the date of the <b>directive</b> canceling the outage;
	(b) subsequent to the date of the <b>directive</b> cancelling the outage and in
	accordance with <b>good electric industry practice</b> ;
	(c) for re-scheduling personnel, equipment and other materials required for
	the performance of the work originally to be completed or performed
	pursuant to the cancelled outage;
	(d) in the form of verified damages or liquidated claims dollar amounts or claimed by third parties pursuant or related to:
	(A) any third-party contract terms and conditions for performing repair,
	retrofit, upgrade or maintenance work on or directly related to the
	source asset during the outage, which third party work has been
	cancelled or otherwise cannot be performed due to the outage
	cancellation; and
	(B) any third-party market or hedging transactions directly related to
	participation in the energy or ancillary services market by the <b>source</b>
	asset which is the subject of the directive; and
	(e) as other related reasonable costs.
	[ Rules (2024-04-01) ]
"inflexible block"	means an <b>operating block</b> in an energy <b>offer</b> for which the <b>ISO</b> may issue a <b>dispatch</b> for only the full amount of MW in the <b>operating block</b> .
IIIIexible block	Rules (2013-01-08) ]
	means 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 <b>cyber asset</b> that is not an <b>intermediate system</b> and not
	located within any of the Responsible Entity's electronic security perimeter(s)
	or at a defined <b>electronic access point</b> . Remote access may be initiated from:
"interactive remote	1) <b>cyber assets</b> used or owned by the Responsible Entity, 2) <b>cyber assets</b>
access"	used or owned by employees, and 3) <b>cyber assets</b> used or owned by vendors,
400033	contractors, or consultants. Interactive <b>remote access</b> does not include system-
	to-system process communications.
	Note: the "Decreasible Entity" referred to in this definition is identified in the
	Note: the "Responsible Entity" referred to in this definition is identified in the applicability section of each Version 5 CIP Cyber Security <b>reliability standard</b> .
	Alberta Reliability Standards (2017-10-01)
	means energy transfers that cross <b>balancing authority</b> boundaries.
"interchange"	[ Alberta Reliability Standards (2010-01-22) ]
	means the responsible entity that authorizes implementation of valid and
	balanced interchange schedules between balancing authority areas, and
"interchange authority"	ensures communication of interchange information for reliability assessment
intoronange authority	purposes.
	Alberta Reliability Standards (2010-01-22) ]
	L. a.c. a.c. a.c. a.c. a.c. a.c. a.c. a.



Term	Definition
	means, for a given settlement interval, the planned interchange of electricity
"interchange schedule"	between the ISO and an adjacent balancing authority which results from the
	validation and scheduling of interchange transactions.
	[ Rules (2012-01-31) ]
	means, for a given <b>settlement interval</b> , the planned <b>interchange</b> of energy
"interchange schedule"	between the ISO and an adjacent balancing authority which results from the
interchange schedule	validation and scheduling of interchange transactions.
	[ Alberta Reliability Standards (2014-10-01) ]
	means an energy or <b>ancillary services</b> transaction that crosses one or more
"interchange	balancing authority area boundaries.
transaction"	Rules (2010-04-30), Alberta Reliability Standards (2014-10-01),
	Tariff (2011-07-01) ]
	as defined in the Act means all transmission facilities and all electric
	distribution systems in Alberta that are interconnected, but does not include an
	electric distribution system or a transmission facility within the service area
	of the City of Medicine Hat or a subsidiary of the City, unless the City passes a
system"	bylaw that is approved by the Lieutenant Governor in Council under section 138
	of the <b>Act</b> .
	[ Rules (2010-12-01), Alberta Reliability Standards (2011-12-31), Tariff (2011-07-01) ]
	means the entity outside of Alberta responsible for the reliability of its "local"
"interconnected	transmission system, and that operates or directs the operations of the
transmission operator "	transmission facilities.
transmission operator	[ Alberta Reliability Standards (2010-01-22) ]
	means the electrical connection of the <b>AIES</b> with any electric system in a
"interconnection"	jurisdiction bordering Alberta.
Interconnection	[ Rules (2003-06-01) ]
	means the electrical connection of the <b>interconnected electric system</b> with any
	electric system in a jurisdiction bordering Alberta and when capitalized, it means
"interconnection"	any one (1) of the three (3) major electric system networks in North America:
	Eastern, Western, and ERCOT.
	[ Alberta Reliability Standards (2014-10-01) ]
	means the maximum time that an interconnection reliability operating limit
"interconnection	can be violated before the risk to the interconnection or other reliability
	coordinator area(s) becomes greater than acceptable. Each interconnection
Tv"	reliability operating limit Tv must be less than or equal to thirty (30) minutes.
	[ Alberta Reliability Standards (2015-09-01) ]
"interconnection	means a system operating limit, that if violated, could lead to instability,
reliability operating	uncontrolled separation or <b>cascading</b> outages that adversely impact the
limits"	reliability of the bulk electric system.
iiiiits	[ Alberta Reliability Standards (2014-10-01) ]
	means a <b>cyber asset</b> or collection of <b>cyber assets</b> performing access control to
"intermediate system"	restrict interactive remote access to only authorized users. The intermediate
	system must not be located inside the electronic security perimeter.
	[ Alberta Reliability Standards (2017-10-01) ]
	means the <b>demand</b> that a load <b>market participant</b> makes available to the <b>ISO</b>
"interruptible demand"	via contract or agreement for curtailment.
	[ Alberta Reliability Standards (2014-10-01) ]
"interruption"	means any action causing partial or full curtailment of electrical power flow.
	[ Rules (2003-06-01) ]



Term	Definition
	as defined in the <i>Transmission Regulation</i> means a <b>transmission facility</b> ,
"intertie"	including its associated components, that links one or more electric systems
	outside Alberta to one or more points on the interconnected electric system.
	Rules (2009-05-28), Alberta Reliability Standards (2014-10-01),
	Tariff (2011-07-01) ]
	means the time required for a <b>source asset</b> to synchronize to the
"initial start-up time"	interconnected electric system from an offline state.
•	[ Rules (2024-06-21) ]
	means the Independent System Operator as defined in the Act being the
	corporation established by section 7 of the <b>Act</b> .
"ISO"	Rules (2010-12-01), Alberta Reliability Standards (2011-12-31),
	Tariff (2011-07-01) ]
	as defined in the <b>Act</b> means the fees established by the <b>ISO</b> pursuant to the <b>Act</b> .
"ISO fees"	[ Rules (2009-12-16) ]
	as defined in the <b>Act</b> means the rules made by the Independent System
	Operator under section 19 and 20 of the <b>Act</b> .
"ISO rules"	
	[ Rules (2010-12-01), Alberta Reliability Standards (2014-10-01),
	Tariff (2011-07-01)]
	as defined in the <b>Act</b> means the tariff prepared by the <b>ISO</b> under section 30 of
"ISO tariff"	the <b>Act</b> that has been approved by the <b>Commission</b> .
	[ Rules (2010-04-30), Alberta Reliability Standards (2014-10-01),
	Tariff (2011-07-01) ]
	means the <b>person</b> who owns electric industry property including any one (1) or
	more of:
	(i) a generating unit;
	(ii) an aggregated generating facility;
	(iii) a transmission facility;
"legal owner"	(iv) an electric distribution system;
	(v) an industrial system that has been designated as such by the <b>Commission</b> ;
	and
	(vi) a load facility with <b>system access service</b> under subsection 101(2) of the
	Act.
	[ Alberta Reliability Standards (2014-10-01) ]
	means the <b>person</b> who owns electric industry property including any one or
	more of:
	(i) a generating unit;
	(ii) an <b>energy storage resource</b> ;
	(iii) an <b>aggregated facility</b> ;
"legal owner"	(iv) a transmission facility;
legal Owner	(v) an <b>electric distribution system</b> ;
	(vi) an industrial system that has been designated as such by the <b>Commission</b> ;
	and
	(vii) a load facility with <b>system access service</b> under subsection 101(2) of the
	Act.
	[ Rules (2024-04-01) ]
	means the <b>person</b> who owns electric industry property including any one or
	more of:
"logal assess"	(i) a generating unit;
"legal owner"	(ii) an aggregated generating facility;
	(iii) a transmission facility;
	(iv) an electric distribution system;



Term	Definition
	(v) an industrial system that has been designated as such by the <b>Commission</b> ;
	and
	(vi) a load facility with system access service under subsection 101(2) of the
	Act.
	[ Tariff (2021-01-01) ]
"" 1 Ob 1 O 1 "	replaced with new definition "fast frequency response service"
"Load Shed Service"	[ Rules (2024-05-31) ]
	means a <b>source asset</b> , excluding an import asset, that:
	(i) requires more than one hour to synchronize to the system under normal
	operating conditions; or
"long lead time asset"	(ii) is synchronized but has varying start-up times for distinct portions of its MW
long lead time asset	and which requires more than one hour to deliver such additional portions of
	its MW; and
	which is not delivering all of its energy for reasons other than an outage.
	[ Rules (2024-04-01) ]
"long term adequacy	means the ability of future electric system energy supply to meet expected
(LTA)"	aggregate electrical demand requirements over several years.
(=17)	[ Rules (2008-08-11) ]
	means the value, in percent, which reasonably represents the contribution to
	transmission system losses, based on location, of a generating unit, energy
"loss factor"	storage resource, export service, import service, or other opportunity service,
1033 140101	and which the <b>ISO</b> establishes in accordance with Section 501.10 of the <b>ISO</b>
	rules, Transmission Loss Factors.
	[ Rules (2024-04-01) ]
	means the value, in percent, which reasonably represents the
	contribution to <b>transmission system</b> losses, based on location, of a
"loss factor"	generating facility, export service, import service, or other opportunity
loss factor	service, and which the ISO establishes in accordance with section 501.10
	of the ISO rules, Transmission Loss Factors.
	Tariff (2021-01-01) ]
	means:
	(i) any <b>person</b> that supplies, stores, generates, transmits, distributes, trades,
	exchanges, purchases, or sells electricity, electric energy, electricity
 	services, or ancillary services; or
"market participant"	(ii) any broker, brokerage, or forward exchange that trades or facilitates the
	trading of electricity, electric energy, electricity services, or ancillary
	services.
	[ Rules (2024-04-01) ]
	as defined in the <b>Act</b> means:
	(i) any <b>person</b> that supplies, generates, transmits, distributes, trades,
	exchanges, purchases or sells electricity, electric energy, electricity services
"market participant"	or ancillary services; or
participant	(ii) any broker, brokerage or forward exchange that trades or facilitates the
	trading of electricity, electric energy, electricity services or <b>ancillary</b>
	services.
	[ Alberta Reliability Standards (2011-12-31) ]
	means
Ilmouricat mantiain and I	(a) an electricity market participant, as defined in the <b>Act</b> , being:
"market participant"	(i) any <b>person</b> that supplies, generates, transmits, distributes, trades,
	exchanges, purchases or sells electricity, electric energy, electricity
	services or ancillary services, or



Torm	Definition
Term	
	(ii) any broker, brokerage or forward exchange that trades or facilitates the trading of electricity, electric energy, electricity services or <b>ancillary</b>
	services; and
	(b) a <b>person</b> who has applied for <b>system access service</b> from the <b>ISO</b>
	[ Tariff (2021-01-01) ]
	as defined in the <b>Act</b> means the corporation continued by section 32 of the
"Market Surveillance	Alberta Utilities Commission Act.
Administrator"	[ Rules (2010-04-30) ]
	means a downgrade in the credit rating of a <b>market participant</b> by any credit
"material adverse	rating agency, or an event that may result in the materially weaker
change"	creditworthiness of a <b>market participant</b> as reasonably determined by the <b>ISO</b> .
Change	[Rules (2010-04-30)]
	means a downgrade in the credit rating of a <b>market participant</b> or its guarantor
	by any credit rating agency, or an event that may result in the materially weaker
"material adverse	creditworthiness of a <b>market participant</b> or its guarantor as reasonably
change"	determined by the legal owner of a transmission facility.
	Tariff (2021-01-01) ]
	means:
	(i) for an <b>aggregated facility</b> containing an <b>energy storage resource</b> , the sum
	of the maximum gross real power that the ISO authorizes the aggregated
	facility to receive from the interconnected electric system, as measured
"maximum authorized	at the collector bus of the aggregated facility;
charging power"	(ii) for a synchronous energy storage resource, the maximum gross real
	power that that the ISO has authorizes the energy storage resource to
	receive from the <b>interconnected electric system</b> , as measured at the
	stator winding terminal of the <b>energy storage resource</b> .
	[ Rules (2024-04-01) ]
	means:
	(i) for an aggregated generating facility with one or more collector busses,
	the sum of the maximum gross real power that the ISO has authorized the
	generating units to deliver to those collector busses;
"maximum authorized	(ii) for an <b>aggregated generating facility</b> without a <b>collector bus</b> , the
real power"	maximum gross real power that the ISO has authorized each generating
lear power	unit to deliver to its generator terminal; or
	(iii) for a generating unit that is not part of an aggregated generating facility,
	the maximum gross real power that the ISO authorizes the generating unit
	to deliver to its generator terminal.
	[ Alberta Reliability Standards (2011-12-31) ]
	means:
	(i) for an aggregated facility, the sum of the maximum gross real power that
"maximum authorized	may be delivered to the <b>collector buses</b> of the <b>aggregated facility</b> ;
real power"	(ii) for a generating unit or synchronous energy storage resource, the
·	maximum <b>gross real power</b> that may be delivered to the stator winding
	terminal of the generating unit or energy storage resource.
	[ Rules (2024-04-01) ]
"maximum capability"	means:
	(i) for a <b>pool asset</b> , the maximum quantity expressed in MW, that it is
	physically capable of providing under optimal operating conditions while
	complying with all applicable <b>ISO rules</b> and terms and conditions of the <b>ISO</b> tariff
	(ii) for a <b>source asset</b> that is an import asset, the <b>available capability</b> .
	In the a source asset that is an import asset, the available capability.



Term	Definition
	[ Rules (2024-04-01) ]
	means:
"maximum capability"	(i) for a generating unit or aggregated generating facility, the maximum MW
	that it is physically capable of providing under optimal operating conditions
	while complying with all applicable ISO rules and terms and conditions of
	the ISO tariff; or
	(ii) for a <b>source asset</b> that is an import asset, the <b>available capability</b> .
	[ Tariff (2015-07-01) ]
	means the time required for a <b>source asset</b> to reach <b>minimum stable</b>
"maximum run up time"	generation from the point that it is synchronized to the interconnected electric
	system.
	[ Rules (2024-06-21) ]
	means a <b>metering point</b> , of the sum of multiple <b>metering points</b> , as defined in
"measurement point"	the measurement point definition record.
	[ Rules (2021-03-18 ]
	means a specification that defines the physical arrangement of a <b>revenue</b>
"measurement point	metering system as well as any algorithms used to adjust the interval data
definition record"	associated with a <b>metering point</b> to produce the interval data used for financial
	settlement with the ISO.
	[ Rules (2021-03-18 ]
	means:  (i) for the energy market the dispetch down convice market or lead shed
"morit ordor"	(i) for the energy market, the <b>dispatch down service</b> market or <b>load shed service</b> for imports, a list of <b>operating blocks</b> sorted by price; or
"merit order"	(ii) for standby <b>operating reserves</b> , a list of procured volumes sorted by price.
	[Rules (2013-01-08)]
	means the apparatus which measures active energy, reactive power or both,
	including any internal recorder, or clock, which is normally tested as part of the
"meter"	apparatus.
	[ Tariff (2021-01-01) ]
	means the apparatus which measures active energy, <b>reactive power</b> or both,
L	including any internal recorder, or clock, which is normally tested as part of the
"meter"	apparatus.
	[ Alberta Reliability Standards (2014-10-01) ]
	means the rate, in MW, at which electric energy is transferred to or from
	the transmission system, as measured by the relevant <b>metering</b>
"metered demand"	equipment and averaged over a 15-minute or other interval as deemed
	necessary by the ISO.
	[ Rules (2021-03-18) ]
	means the rate at which electric energy is delivered to a <b>point of delivery</b> or
	from a <b>point of supply</b> , in MW, measured by the relevant <b>metering equipment</b>
"metered demand"	and averaged over a 15-minute or other interval as deemed necessary by the
	ISO.
	[ Tariff (2011-07-01) ]
	means the quantity of electric energy, in MWh, measured by the relevant
"metered energy"	metering equipment during a particular period of time.
	[ Rules (2021-03-18) ]
	means the quantity of electric energy transferred to a point of delivery or from a
"metered energy"	point of supply, in MWh, measured by the relevant metering equipment
	during a particular period of time.



Term	Definition
	[ Tariff (2015-07-01) ]
"metering equipment"	means all measurement transformers, meters, recorders, remote communication equipment and associated wiring required for the measurement and, if applicable, remote storage of the active energy and reactive energy interval data for a single metering point.  [Rules (2021-03-18)]
"metering equipment"	as defined in the AESO Measurement System Standard means all measurement transformers, meters, recorders, remote communication equipment and associated wiring required for the measurement and, if applicable, remote storage of the active energy and reactive energy interval data for a single metering point.  [Tariff (2011-07-01)]
	means, for the purpose of financial settlement with the <b>ISO</b> , either:
"metering point"	<ul><li>(a) a real location where active energy or reactive energy are physically measured; or</li><li>(b) a virtual location where active energy or reactive energy are deemed to</li></ul>
	have been measured from an algorithmical adjustment of the active energy or reactive energy interval data of a reallocation.  [ Rules (2021-03-18 ]
"minimum off time"	means the minimum amount of time after disconnecting from the interconnected electric system required by a source asset to be offline before the source asset can be re-synchronized to the interconnected electric system.  [ Rules (2024-06-21) ]
"minimum on time"	means the minimum amount of time after synchronization to the <b>interconnected electric system</b> required by a <b>source asset</b> to be online before the <b>source asset</b> can be dispatched off.  [ Rules (2024-06-21) ]
"minimum stable generation"	means:  (i) the greater of the minimum generation level, in MW, that a source asset can be continuously operated at without:  (a) becoming unstable; or  (b) violating environmental permits; or  (ii) in the case of a source asset that is integral to onsite industrial processes offering gross generation onto the interconnected electric system, the greater of:  (a) the generation level set out in subsection (i);  (b) the generation level the operator anticipates the source asset is required to operate at in order to avoid either:  (A) a forced shut down of the onsite industrial processes; or  (B) a reduction of onsite industrial processes where the reduction results in any increase in net-to-grid generation; or  (c) the generation level the operator anticipates the source asset can operate at to produce net-to-grid generation of zero(0); or  (iii) in the case of a source asset that is integral to onsite industrial processes offering net generation onto the interconnected electric system, the generation level the operator anticipates the source asset is required to operate at in order to avoid either:  (a) a forced shut down of the onsite industrial processes; or  (b) a reduction of onsite industrial processes where the reduction results in any increase in net-to-grid generation.



Term	Definition
	[ Rules (2012-03-28) ]
	means any one of the following:
	any failure of a protection system element to operate within the specified
	time when a fault or abnormal condition occurs within a zone of protection.
	• any operation for a fault not within a zone of protection, except an operation
	as backup protection for a fault in an adjacent zone that is not cleared within
"misoperation"	a specified time for the protection for that zone.
	any unintentional <b>protection system</b> operation when no fault or other
	abnormal condition has occurred unrelated to on-site maintenance and
	testing activity.
	[ Rules (2016-08-30), Alberta Reliability Standards (2010-01-22) ]
	means a calendar month.
"month"	[ Rules (2003-06-01), Alberta Reliability Standards (2014-10-01),
	Tariff (2015-07-01) ]
	means a deliberate reduction equal to or greater than 5 MW in the available
"mothball outage"	capability of a source asset expected in anticipation of and to avoid market
motribali outage	conditions that would render the <b>source asset</b> uneconomic to produce energy.
	[ Rules (2024-04-01) ]
	means an approval required for a need to expand or enhance the capability of
"needs approval"	the <b>transmission system</b> under section 34 of the <b>Act</b> .
	[Tariff (2023-07-20)]
"needs identification	means the document referred to in section (34)(1) of the <b>Act</b> .
document"	[ Rules (2003-06-01), Alberta Reliability Standards (2014-10-01),
document	Tariff (2011-07-01) ]
	means an Association of the Advancement of Cost Engineering Practices
"needs identification	Class 4 cost estimate, which is a cost estimate in an accuracy range
document estimate"	between -15 to -30% and +20 to +50%, as directed by the ISO.
	[ Rules (2016-04-29) ]
"NERC"	means the North American Electric Reliability Corporation.
HEIKO	[ Rules (2008-11-13), Alberta Reliability Standards (2014-10-01) ]
	means the sum of all metered interchange over all interconnections between
"net actual interchange'	the balancing authority areas of two (2) adjacent balancing authorities.
	[ Alberta Reliability Standards (2014-10-01) ]
	means net balancing authority area generation, plus energy received from
	other balancing authority areas, less energy delivered to balancing authority
"net energy for load"	areas through interchange; it includes balancing authority area losses but
	excludes energy required for storage at energy storage facilities.
	[ Alberta Reliability Standards (2010-01-22) ]
"net interchange	means the sum of all interchange schedules with each adjacent balancing
schedule"	authority.
	[ Alberta Reliability Standards (2014-10-01) ]
"net scheduled	means the algebraic sum of all <b>interchange schedules</b> across a given path or
interchange or NSI"	between <b>balancing authorities</b> for a given period or instant in time.
	[ Alberta Reliability Standards (2010-01-22) ]
	means an electronic instruction:
U. a. a. a. 441 a. a. a. a. 4	(i) to the <b>ISO</b> from two (2) counterparty <b>pool participants</b> ; and
"net settlement	(ii) containing transactional information including volumes, start and end times,
instruction"	and applicable <b>pool assets</b> , which enables the <b>ISO</b> to perform netting of
	metered energy for purposes of calculating power pool settlements.
	[ Rules (2011-07-01) ]



Term	Definition
"non-controllable"	means a <b>pool asset</b> is not able to increase energy production or consumption to meet a <b>dispatch</b> quantity or <b>directive</b> quantity under normal operating conditions in all solar or wind conditions.
"normal clearing"	[ Rules (2024-04-01) [ means that a <b>protection system</b> operates as designed and the fault is cleared in the time normally expected with proper functioning of the installed <b>protection systems</b> .
"normal rating"	[Rules (2016-04-25), Alberta Reliability Standards (2010-01-22)] means, as determined by the <b>legal owner</b> of the equipment or facility, the <b>equipment rating</b> or the <b>facility rating</b> that the equipment or facility can sustain on a continuous basis.
"off peak"	[Rules (2016-08-15)] [Alberta Reliability Standards (2019-01-01)] means those periods of time which are not <b>on peak.</b> [Rules (2003-06-01), Alberta Reliability Standards (2014-10-01)]
"offer"	means, in respect of a <b>pool asset</b> in a <b>settlement interval</b> , a <b>pool participant</b> submission to sell:  (i) electric energy or <b>dispatch down service</b> and includes all of the <b>operating blocks</b> the <b>pool participant</b> uses for that submission; or  (ii) <b>operating reserves</b> to applicable Alberta markets.  [ Rules (2012-12-03), Alberta Reliability Standards (2014-10-01) ]
"offer control information"	means the identity of any <b>market participant</b> who has ultimate control and determination of the price and quantity of <b>offers</b> or <b>bids</b> as applicable.  [ Rules (2012-12-03) ]
"on peak"	means the periods:  (i) from 07:00:00 to 22:59:59 inclusive, Mountain Time in Alberta; or  (ii) when dealing with <b>inadvertent interchange</b> , that NERC defines, with Saskatchewan being treated the same as the <b>western interconnection</b> .  [ Rules (2014-12-23) ]
"on peak"	means the time:  (i) from 07:00 to 23:00 inclusive, Mountain Time in Alberta; or  (ii) when dealing with <b>inadvertent interchange</b> , that NERC defines with Saskatchewan being treated the same as the <b>western interconnection</b> .  [ Alberta Reliability Standards (2014-10-01) ]
"operating block"	means any one (1) of the seven (7) price and quantity pairs the <b>ISO</b> allocates to a <b>pool asset</b> within a <b>settlement interval</b> for the purposes of submitting <b>bids</b> and <b>offers</b> .  [ Rules (2013-01-08) ]
"operating reserve"	means the <b>real power</b> capability above system <b>demand</b> required to provide for regulation, <b>forced outages</b> and <b>unplanned outages</b> .  [Rules (2014-12-23)]
"operating reserve"	means the capability above system <b>demand</b> required to provide for <b>regulation</b> , load forecasting errors, equipment forced and scheduled outages and local area protection. It consists of <b>spinning reserve</b> and <b>non-spinning reserve</b> .  [ Tariff (2021-01-01) ]
"operating reserves"	means the capability above system demand required to provide for <b>regulation</b> , load forecasting errors, equipment outages, and local area protection.  [ Alberta Reliability Standards (2019-07-01) ]
"operating transfer capability (OTC)"	means the maximum amount of actual power that can be transferred over direct or parallel transmission elements comprising an <b>interconnection</b> from one <b>balancing authority</b> to another <b>balancing authority</b> , and as further defined by the <b>WECC</b> .



Term	Definition
	[ Rules (2009-05-28) ]
"operating week"	means the period from 00:00 Saturday to 24:00 Friday.
	[ Rules (2004-10-14) ]
"operational deviation"	means a circumstance where:
	(i) a <b>source asset</b> , excluding an import asset, is unable to comply with the requirements set out in subsection 4 of Section 203.4 of the <b>ISO rules</b> , Delivery Requirements for Energy; or
	(ii) a source asset, excluding an import asset, operating in generating asset steady state varies outside its allowable dispatch variance, due to force majeure or any other circumstances related to the operation of the source asset, which could reasonably be expected to affect the available capability or safety of the ,source asset, third party facilities, contracts or arrangements, the environment, personnel working at the source asset or the public.
	[ Rules (2024-04-01) ]
"operations support personnel"	means individuals who perform current day or next day outage coordination or assessments, or who determine <b>system operating limits</b> , <b>interconnection reliability operating limits</b> , or operating nomograms, in direct support of <b>real time</b> operations of the <b>bulk electric system</b> .
	Alberta Reliability Standards (2018-04-01) ]
"operator"	means a person given express authority by a <b>legal owner</b> to operate on the <b>legal owner</b> 's behalf any one or more of its electric industry properties, including: (i) a <b>generating unit</b> ; (ii) an <b>aggregated facility</b> ; (iii) an <b>energy storage resource</b> ; (iv) a <b>transmission facility</b> ; (v) an <b>electric distribution system</b> ; (vi) an industrial system that has been designated as such by the <b>Commission</b> ;
	and (vii) a load facility with system access service under subsection 101(2) of the Act; and includes the legal owner, if no such other person has been so authorized.  [Rules (2024-04-01)]
"operator"	means a person given expressed authority by a legal owner to operate on the legal owner's behalf any one (1) or more of its electric industry properties, including:  (i) a generating unit;  (ii) an aggregated generating facility;  (iii) a transmission facility;  (iv) an electric distribution system;  (v) an industrial system that has been designated as such by the Commission; and  (vi) a load facility with system access service under subsection 101(2) of the
	<ul> <li>(vi) a load facility with system access service under subsection 101(2) of the Act;</li> <li>and includes the legal owner, if no such other person has been so authorized.</li> <li>[ Alberta Reliability Standards (2014-10-01) ]</li> </ul>
"original budget"	means a document setting out the allocation of resources against which cost performance will be measured and assessed.  [ Rules (2016-04-29) ]
"partially-controllable"	means a <b>pool asset</b> that contains one or more <b>controllable</b> resources and one or more <b>non-controllable</b> resources.



Term	Definition
	[ Rules (2024-04-01) ]
"Path 1"	means the Alberta – British Columbia transfer path as identified by WECC in the
	document "Major WECC Transfer Paths in the Bulk Electric System".
	[ Alberta Reliability Standards (2010-01-22) ]
	as defined in the Act includes an individual, unincorporated entity, partnership,
"	association, corporation, trustee, executor, administrator or legal representative.
"person"	[ Rules (2010-09-07), Alberta Reliability Standards (2014-10-01),
	Tariff (2011-07-01)]
	means cyber assets that control, alert, or log access to the physical security
"physical access	perimeter(s), exclusive of locally mounted hardware or devices at the physical
	security perimeter such as motion sensors, electronic lock control mechanisms
control systems"	and badge readers.
	[ Alberta Reliability Standards (2017-10-01) ]
	means the maximum amount of electric power that a transmission facility is
"physical capacity"	rated by its <b>legal owner</b> to be able to transmit without suffering damage.
	[ Tariff (2021-01-01) ]
	means the physical border surrounding locations in which BES cyber assets,
"physical security	BES cyber systems, or electronic access control or monitoring systems
perimeter"	reside, and for which access is controlled.
	[ Alberta Reliability Standards (2017-10-01) ]
	means the full or partial unavailability of a facility which is anticipated as part of a
"planned outage"	legal owner's regular maintenance, including for the purposes of construction,
plainled outage	<b>commissioning</b> or testing, and occurs as a result of a deliberate manual action.
	[ Rules (2016-06-07) ]
	means the unavailability of a facility which is anticipated as part of a legal
"planned outage"	owner's regular maintenance and occurs as a result of a deliberate, manual
planned outage	action.
	[ Alberta Reliability Standards (2014-10-01) ]
	means the full or partial unavailability of a facility which is anticipated as part of a
"planned outage"	<b>legal owner</b> 's regular maintenance, including for the purposes of construction,
plainled odtage	<b>commissioning</b> or testing, and occurs as a result of a deliberate, manual action.
	[ Tariff (2021-01-01) ]
	means the entity that is registered with <b>NERC</b> and as defined under
"planning authority"	the NERC functional model.
	[ Alberta Reliability Standards (2015-09-01) ]
	means a point on the <b>transmission system</b> that is owned by a <b>legal owner</b> of a
"point of common	transmission facility and that is, or could be, connected to one or more
coupling"	facilities which may be any combination of load facilities, <b>generating units</b> ,
couping	aggregated generating facilities or energy storage facilities.
	[ Alberta reliability standards (2019-10-25) ]
	means a point at which electric energy is transferred between a <b>transmission</b>
"point of connection"	facility that is not an industrial system, and
	(i) the high voltage side of any aggregated facility, energy storage resource,
	or generating unit;
	(ii) an electric distribution system;
	(iii) an industrial system that the <b>Commission</b> designates; or
	(iv) a load facility with <b>system access service</b> under subsection 101(2) of the
	Act.
	[ Rules (2024-04-01 ]



Term	Definition
	means a point at which electric energy is transferred between a <b>transmission</b>
	facility that is not an industrial system, and
	(i) the high voltage side of any aggregated generating facilities or
	generating unit;
llmaint of commention!	(ii) an electric distribution system;
"point of connection"	(iii) an industrial system that has been designated as such by the <b>Commission</b> ;
	or
	(iv) a load facility with system access service under subsection 101(2) of the
	Act.
	[ Rules (2010-09-07), Alberta Reliability Standards (2014-10-01) ]
	means the point at which electricity is transferred from transmission facilities to
"point of delivery"	facilities owned by a market participant receiving system access service
point of delivery	under the ISO tariff, including an electric distribution system.
	[ Tariff (2011-07-01), Rules (2010-04-30) ]
	means the point at which electricity is transferred between the interconnected
"point of	electric system and a neighbouring jurisdiction and where the electricity so
interconnection"	transferred is measured.
	[Rules (2010-04-30), Tariff (2011-07-01) ]
	means the point at which electric energy is transferred to a transmission
	facility from a facility owned by a market participant receiving system access
"point of supply"	service under the ISO tariff including a generating unit, aggregated facility,
	energy storage resource, or electric distribution system.
	[ Rules (2024-04-01) ]
	means the point at which electricity is transferred to transmission facilities from
	facilities owned by a market participant receiving system access service
"point of supply"	under the ISO tariff, including a generating unit, an aggregated generating
	facility or an electric distribution system.
	[ Tariff (2015-07-01) ]
	means either one or more of a <b>source asset</b> or a <b>sink asset</b> registered to a
"pool asset"	pool participant and identified by a single pool ID the ISO assigns.
	[ Rules (2024-04-01) ]
	means a unique identifier the <b>ISO</b> assigns to a <b>pool asset</b> for the primary
"pool ID"	purpose of enabling a <b>pool participant</b> to enter into transactions in the <b>power</b>
PooriB	pool.
	[ Rules (2011-07-01) ]
	means a market participant who is registered to transact, listed in the pool
"pool participant"	participant list.
	[ Rules (2003-06-01), Alberta Reliability Standards (2014-10-01) ]
	as defined in the <b>Act</b> means the price for each hour, in \$/ <b>MWh</b> , established and
"pool price"	reported by the <b>ISO</b> , in accordance with the <b>ISO rules</b> , for electric energy
poor prioc	exchanged through the <b>power pool</b> .
	[ Alberta Reliability Standards (2010-12-01) ]
	as defined in the <b>Act</b> means the price for each hour, in \$/MWh, established and
"pool price"	reported by the ISO, in accordance with the ISO rules, for electric energy
	exchanged through the <b>power pool</b> .
	[ Rules (2013-01-08) ]
"pool price"	as defined in the <b>Act</b> means the pool price established by the <b>ISO</b> under section
	18(4) of the <b>Act</b> .
	[ Tariff (2021-01-01) ]
"post permit and	means an Association for the Advancement of Cost Engineering Practices
license estimate"	Class 2 cost estimate, which is a cost estimate in an accuracy range
incerise estimate	between -5 to -15% and +5 to +20%.



Term	Definition
	[ Rules (2016-04-29) ]
"power factor"	means the ratio of real power to apparent power.
	[ Rules (2010-07-23), Alberta Reliability Standards (2011-12-31), Tariff (2021-01-01) ]
"power pool"	as defined in the <b>Act</b> means the scheme operated by the <b>ISO</b> for (i) exchanges of electric energy, and (ii) financial settlement for the exchange of electric energy.  [ Rules (2009-12-16) ]
"power pool"	as defined in the <b>Act</b> means the scheme operated by the <b>ISO</b> for:  (i) exchange of electric energy; and  (ii) financial settlement for the exchange of electric energy.  [ Tariff (2021-01-01) ]
"power purchase arrangement"	as defined in the Act means a power purchase arrangement included in Alberta Regulation AR 175/2000, being the Power Purchase Arrangements Determination Regulation, but does not include:  (i) the power purchase arrangement that applies to the H.R. Milner generating unit;  (ii) the power purchase arrangement that applies to the Sturgeon generating units;  (iii) a power purchase arrangement that expires in accordance with the unit effective term completion date specified in the power purchase arrangement;  (iv) a power purchase arrangement that is terminated under section 15.2 of the power purchase arrangement;  (v) a power purchase arrangement that is terminated by the balancing pool.  [Tariff (2021-01-01)]
"primary inadvertent interchange"	means the component of <b>inadvertent interchange</b> caused by the regulating deficiencies of the <b>balancing authority area</b> .  [ Alberta Reliability Standards (2016-12-19) ]
"Project"	means the project generally described as any one of the following:  (i) the means or manner by which a constraint or condition affecting the operation or performance transmission system could be alleviated as identified in a <b>NID</b> approved by the <b>EUB</b> pursuant to s. 34(3) of the <b>Act</b> ;  (ii) the request for system access service pursuant to s. 5(5)(b) of the <b>TR</b> ;  (iii) all the transmission facility proposals referred to in s. 35(1)(a) of the <b>Act</b> with respect to a specific approved NID; or  (iv) the "transmission line", as defined in the <b>HEEA</b> , which has been approved by the <b>EUB</b> pursuant to the <b>HEEA</b> .  [Rules (2008-08-11)]
"Project Change Proposal"	means a document to be completed substantially in the form of the "Project Change Authorization Form" posted by the ISO on its website.  [ Rules (2005-08-25) ]
"Project Energization"	means the date on which a <b>project</b> , including a <b>project</b> that is energized in stages, is fully energized and operational, as specified in an <b>energization certificate</b> or <b>energization</b> checklist of the <b>ISO</b> .  [ Rules (2005-12-01) ]
"Project Material"	means with respect to a <b>Project</b> , all equipment, material and construction, installation, testing and commissioning services required for the construction of the <b>Project</b> and provided by a third party, but excluding any engineering services;  [Rules (2005-08-25)]



Term	Definition
"Project Progress	means a document to be completed substantially in the form of the "Monthly
Report "	Project Progress Report" posted by the <b>ISO</b> on its website.
Report	[ Rules (2005-08-25) ]
"protected cyber assets"	means one or more <b>cyber assets</b> connected using a routable protocol within or on an <b>electronic security perimeter</b> that is not part of the highest impact <b>BES cyber system</b> within the same <b>electronic security perimeter</b> . The impact rating of <b>protected cyber assets</b> is equal to the highest rated <b>BES cyber system</b> in the same <b>electronic security perimeter</b> . A <b>cyber asset</b> is not a <b>protected cyber asset</b> if, for 30 consecutive <b>days</b> or less, it is connected either to a <b>cyber asset</b> within the <b>electronic security perimeter</b> or to the network within the <b>electronic security perimeter</b> , and it is used for data transfer, vulnerability assessment, maintenance, or troubleshooting purposes.  [ Alberta Reliability Standards (2017-10-01) ]
	means an arrangement of equipment designed to do one or both of protect equipment and maintain the reliable operation of the interconnected electric system including:  (i) protective relays which respond to electrical quantities;  (ii) communications systems necessary for correct operation of protective functions;  (iii) voltage-sensing and current-sensing devices providing inputs to protective
"protection system"	relays; (iv) station direct current supply associated with protective functions including station batteries, battery chargers and non-battery-based direct current supply; and (v) control circuitry associated with protective functions through the trip coils of the circuit breakers or other interrupting devices.  [Rules (2012-12-31), Alberta Reliability Standards (2014-10-01)]
"Quarterly Projects Report"	means a document to be prepared by the <b>ISO</b> substantially in the form of the "Quarterly Projects Report" posted by the <b>ISO</b> on its website.  [ Rules (2005-08-25)]
"radial circuit"	means an arrangement of contiguous system elements energized at 50 kV or higher that:  (a) extend from a system element on the networked transmission system in a linear or branching configuration;  (b) connect to one or more of a load facility, a generating unit, or an aggregated generating facility; and  (c) comprise the only circuit by which power can flow between the networked transmission system and the facilities identified in item (b) under normal operating conditions,  and includes an arrangement where the circuit energized at 50 kV or higher is connected to another circuit energized at 50 kV or higher, either through a switching device that is operated normally open or through facilities energized at less than 50 kV where the circuit would be a radial circuit if the connection did not exist.  [Alberta Reliability Standards (2020-08-06)]
"radial circuit"	means an arrangement of contiguous system elements energized at 50 kV or higher that:



Term	Definition
	(a) extend from a system element on the networked <b>transmission system</b> in a linear or branching configuration;
	<ul><li>(b) connect to one or more of a load facility, a generating unit, or an aggregated generating facility; and</li></ul>
	<ul> <li>(c) comprise the only circuit by which power can flow between the networked transmission system and the facilities identified in item (b) under normal operating conditions,</li> </ul>
	and includes an arrangement where the circuit energized at 50 kV or higher is connected to another circuit energized at 50 kV or higher, either through a switching device that is operated normally open or through facilities energized at less than 50 kV where the circuit would be a <b>radial circuit</b> if the connection did not exist.
	[ Tariff (2023-07-20) ]
"ramp rate"	means the rate at which a <b>pool asset</b> is able to change its level of production, in MW per minute, in response to a <b>dispatch</b> or <b>directive</b> .  [ Rules (2013-01-08) ]
"reactive power"	means the power, in MVAr, developed when there are inductive, capacitive or nonlinear elements in an alternating current power system and is calculated as the vector difference between <b>apparent power</b> and <b>real power</b> .
"real power"	[ Rules (2010-07-23), Alberta Reliability Standards (2011-12-31) ] means the power, in MW, which does useful work and is developed when there are resistive elements in an electric power system. [ Rules (2010-07-23), Alberta Reliability Standards (2011-12-31) ]
"real power"	means the power, in MW, which does useful work and is developed when there are resistive elements in an electric power system  [ Tariff (2021-01-01) ]
"reference generating unit"	means a hypothetical <b>generating unit</b> possessing the operating variables and values listed in the Schedule of the <i>Market Power Mitigation Regulation</i> , Alberta Regulation 43/2024 with a monthly cumulative settlement interval net revenue and annualized unavoidable costs, as defined in the <i>Market Power Mitigation Regulation</i> .
	[ Rules (2024-07-01) ]
"regulating reserve"	means the component of operating reserve: (i) responsive to automatic generation control; and (ii) frequency responsive; that is sufficient to provide normal regulating margin.
	[ Rules (2014-12-23) Alberta Reliability Standards (2019-07-01) ]
"regulating reserve resource"	means a single device or single system that is eligible to provide <b>regulating reserves</b> pursuant to subsection 3(1) of Section 205.4 of the ISO Rules, Regulating Reserve Technical Requirements and Performance Standards, and that can, in any combination, deliver or receive electric energy from the
	interconnected electric system.
	[ Rules (2018-02-01) ]
"reliability"	means the combination of <b>adequacy</b> and <b>system security</b> .  [ Rules (2004-08-04), Alberta Reliability Standards (2014-10-01), Tariff (2015-07-01) ]
"reliability coordinator"	means the entity that is registered with <b>NERC</b> and as defined under the <b>NERC</b> functional model.
	[ Alberta Reliability Standards (2015-07-08) ]



Term	Definition
	means the collection of generation, transmission, and loads within the
	boundaries of the a <b>reliability coordinator</b> . Its boundary coincides with one or
	more balancing authority areas.
	[ Alberta Reliability Standards (2015-07-08) ]
	means the contractual reliability management program implemented through the
	WECC Reliability Criteria Agreement, the WECC RMS Agreements and the
system (RMS)"	Generator RMS Agreements.
	[ Rules (2003-06-01) ]
	as defined in the <i>Transmission Regulation</i> means the reliability standards under
"reliability standards"	section 19.
	[ Rules (2008-08-11), Alberta Reliability Standards (2014-10-01) ]
	means a scheme designed to detect predetermined power system conditions
	and to automatically take corrective actions that may include, but are not limited
	to, adjusting or tripping generation (MW and MVar), tripping load, or
	reconfiguring a power system(s) in order to accomplish objectives such as:
	<ul> <li>maintaining stability of the transmission system;</li> </ul>
	<ul> <li>maintaining acceptable transmission system voltages;</li> </ul>
	<ul> <li>maintaining acceptable transmission system power flows; or</li> </ul>
	limiting the impact of <b>cascading</b> or extreme events.
	The following do not individually constitute a remedial action scheme:
	(a) a <b>protection system</b> installed for the purpose of detecting faults on
	transmission facilities and isolating the faulted facilities;
	(b) a protection system for automatic underfrequency load shedding
	and automatic <b>undervoltage load shed</b> comprised of only distributed
	relays; (c) out-of-step tripping and power swing blocking schemes;
	(d) an automatic reclosing scheme;
	(e) a scheme applied on a facility for non-fault conditions, including, but not
	limited to:
Unama alial a ation	(i) generator loss-of-field;
"remedial action	(ii) transformer top-oil temperature;
scheme"	(iii) overvoltage; or
	(iv) overload
	to protect the facility against damage by removing it from service;
	(f) a controller that switches or regulates one or more of the following:
	(i) series or shunt reactive devices,
	(ii) flexible alternating current transmission system devices,
	(iii) phase-shifting transformers, variable-frequency transformers, or
	(iv) tap-changing transformers
	and that is located at and monitors quantities solely at the same station as the
	facility being switched or regulated;
	(g) a flexible alternating current transmission controller that remotely switches static shunt reactive devices located at other stations to
	regulate the output of a single flexible alternating current transmission
	device;
	(h) a scheme or controller that remotely switches shunt reactors and shunt
	capacitors for voltage regulation that would otherwise be manually
	switched;
	(i) a scheme that automatically de-energizes a line for a non-fault operation
	when one end of the line is open;
	when one end of the line is open,



Term	Definition
I GIIII	<ul> <li>(j) a scheme that provides anti-islanding protection (e.g. protects load from the effects of being isolated with generation that may not be capable of maintaining acceptable frequency and voltage);</li> <li>(k) an automatic sequence that proceeds when manually initiated solely by a power system operator;</li> <li>(l) a temporary SCADA action scheme that may be implemented to facilitate construction of transmission projects to assist in system performance during temporary build stages;</li> <li>(m) modulation of high voltage direct current or flexible alternating current transmission via supplementary controls, such as angle damping or frequency damping applied to damp local or inter-area oscillations;</li> <li>(n) a sub-synchronous resonance protection scheme that directly detects subsynchronous quantities (e.g., currents or torsional oscillations); or</li> <li>(o) a generator control including, but not limited to: <ol> <li>(i) automatic generation control;</li> <li>(ii) generation excitation (e.g. automatic voltage regulation and power system stabilizers);</li> <li>(iii) fast valving, and</li> <li>(iv) speed governing.</li> </ol> </li> </ul>
	[ Tariff (2021-01-01) ] means a scheme designed to detect predetermined power system conditions and to automatically take corrective actions that may include, but are not limited
	to, adjusting or tripping generation (MW and MVar), tripping load, or reconfiguring a power system(s) in order to accomplish objectives such as:
	<ul> <li>maintaining stability of the transmission system;</li> <li>maintaining acceptable transmission system voltages;</li> <li>maintaining acceptable transmission system power flows; or</li> <li>limiting the impact of cascading or extreme events.</li> </ul>
	The following do not individually constitute a remedial action scheme:
	<ul> <li>a) a protection system installed for the purpose of detecting faults on transmission facilities and isolating the faulted facilities;</li> </ul>
"remedial action scheme"	<ul> <li>a protection system for automatic underfrequency load shedding and automatic undervoltage load shed comprised of only distributed relays;</li> </ul>
	c) out-of-step tripping and power swing blocking schemes;
	d) an automatic reclosing scheme;
	e) a scheme applied on a facility for non-fault conditions, including, but not limited to:
	<ul><li>(i) generator loss-of-field;</li><li>(ii) transformer top-oil temperature;</li><li>(iii) overvoltage; or</li><li>(iv) overload</li></ul>
	to protect the facility against damage by removing it from service;
	f) a controller that switches or regulates one or more of the following:
	<ul><li>(i) series or shunt reactive devices,</li><li>(ii) flexible alternating current transmission system devices,</li></ul>



cyber asset, a network within an electronic security perimeter, or a protected cyber asset.  [ Alberta Reliability Standards (2024-10-01) ]  means a cyber security incident that has compromised or disrupted one or more reliability tasks of a functional entity.  [ Alberta Reliability Standards (2017-10-01) ]  means any loss of supply that causes an area control error change greater than or equal to eighty per cent (80%)of the ISO's most severe single contingency	Term	Definition
the facility being switched or regulated;  g) a flexible alternating current transmission controller that remotely switches static shunt reactive devices located at other stations to regulate the output of a single flexible alternating current transmission device;  h) a scheme or controller that remotely switches shunt reactors and shunt capacitors for voltage regulation that would otherwise be manually switched;  i) a scheme that automatically de-energizes a line for a non-fault operation when one end of the line is open;  j) a scheme that provides anti-islanding protection (e.g. protects load from the effects of being isolated with generation that may not be capable of maintaining acceptable frequency and voltage);  k) an automatic sequence that proceeds when manually initiated solely by a power system operator;  l) a temporary SCADA action scheme that may be implemented to facilitate construction of transmission projects to assist in system performance during temporary build stages;  m) modulation of high voltage direct current or flexible alternating current transmission via supplementary controls, such as angle damping or frequency damping applied to damp local or inter-area oscillations;  n) a sub-synchronous resonance protection scheme that directly detects sub-synchronous quantities (e.g., currents or torsional oscillations); or  o) a generator control including, but not limited to:  (i) automatic generation control; (ii) generation excitation (e.g. automatic voltage regulation and power system stabilizers); (iii) fast valving, and (iv) speed governing.  [Rules (2016-09-09), Alberta Reliability Standards (2012-09-09)]  means 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 days or less to a BES ("eyber asset, a network within an electronic security perimeter, or a protecter cyber asset.  Alberta Reliability Standards (2017-10-01)]  means any loss of sup		
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means any loss of supply that causes an <b>area control error</b> change greater  than or equal to eighty per cent (80%)of the <b>ISO</b> 's most severe single  contingency	"reportable cyber security incident"	means a <b>cyber security incident</b> that has compromised or disrupted one or more reliability tasks of a functional entity.
II //Iborto Dollobility Etondordo ////// 1// /// I	"reportable disturbance"	means any loss of supply that causes an <b>area control error</b> change greater than or equal to eighty per cent (80%)of the <b>ISO</b> 's most severe single



Term	Definition
	means the scan rate values of the area control error of a balancing authority
"reporting area control	area measured in MW and includes the difference between the actual net
	interchange of the balancing authority area and its scheduled net
	interchange, plus its frequency bias setting obligation, plus correction for any
error"	known meter error; and in the western interconnection, reporting area
	control error includes automatic time error correction.
	[Alberta Reliability Standards (2019-07-01)]
	means a group whose members consist of two (2) or more <b>balancing</b>
	authorities that collectively maintain, allocate and supply operating reserves
"reserve sharing group"	required for each balancing authority's use in recovering from contingencies
reserve snaring group	within the group.
	[ Alberta Reliability Standards (2012-10-01) ]
	means the interval meter and the associated apparatus that measures active
	energy or reactive energy at intervals defined by the <b>ISO</b> for the purpose of
"revenue meter"	financial settlement with the <b>ISO</b> .
	[ Rules (2021-03-18 ]
"·····································	means the <b>revenue meter</b> and the <b>metering equipment</b> for acquisition,
"revenue metering	processing, delivery and storage of the interval data that is used for financial
system"	settlement with the ISO.
	[ Rules (2021-03-18 ]
	means an occurrence or resulting circumstance that a responsible entity
	suspects or determines to have been deliberately caused, and results in, or
	could result in, adverse effects upon the function or operation of any of the
	following:
	(i) one (1) or more <b>generating units</b> ;
"sabotage event"	(ii) one (1) or more transmission facilities;
	(iii) one or more electric distribution systems; or
	(iv) the operational, telecommunication, or control devices associated with one
	(1) or more generating units, transmission facilities, or electric
	distribution systems.
	[ Alberta Reliability Standards (2014-10-01) ]
"a abadulad = at	means the algebraic sum of all scheduled MW transfers, including dynamic
"scheduled net	schedules, to and from all adjacent balancing authorities within the same
interchange"	Interconnection, including the effect of scheduled ramps.
	[ Alberta Reliability Standards (2019-07-01) ]
	means the transmission service arrangements reserved by a market participant
"scheduling path"	for an interchange transaction.
	[ Alberta Reliability Standards (2010-01-22) ]
"security-based misoperation"	means a misoperation caused by the incorrect operation of a protection
	system or remedial action scheme.
	[ Alberta Reliability Standards (2014-10-01) ]
	means any of the geographic areas determined by the <b>Commission</b> as the area
"service area"	of an electric distribution system pursuant to ss. 28 and 29 of the <b>HEEA</b> .
	[ Rules (2008-11-13) ]
	means a document that provides the scope of work, <b>cost estimates</b> , project
	schedule, assumptions and risks for a <b>transmission system</b> project or <b>system</b>
"service proposal"	access service project. The service proposal is to be completed in accordance
	with the "Service Proposal Guidelines" posted on the AESO website.
	[ Rules (2016-04-29) ]



Term	Definition
"service proposal estimate"	means an Association for the Advancement of Cost Engineering Practices Class 3 cost estimate, which is a cost estimate in an accuracy range between -10 to -20% and +10 to +30%, as directed by the ISO.  [ Rules (2016-04-29) ]
"settlement interval"	means a period beginning on the hour and ending sixty (60) minutes later and is the time increment for which:  (i) the ISO financially settles energy amounts; and  (ii) the load settlement system calculates distinct load estimates.  [ Rules (2011-07-01) ]
"settlement period"	means the period starting on the first day of each calendar month at 00:00 hours and ending on the last day of the same calendar month at 24:00 hours.  [ Tariff (2011-07-01), Rules (2010-04-30) ]
"sink asset"	is a <b>pool asset</b> that consumes or exports electricity from the <b>interconnected electric system</b> .  [ Rules (2024-04-01) ]
"source asset"	is a <b>pool asset</b> that produces or delivers electric energy to the <b>interconnected electric system</b> .  [ Rules (2024-04-01) ]
"spinning reserve"	means <b>contingency reserve</b> that is immediately and automatically responsive to frequency deviations through the action of a <b>governor</b> or other control system.
"spinning reserve resource"	[Rules (2014-12-23)], [Alberta Reliability Standards (2015-07-20)] means a single device or single system that is eligible to provide <b>spinning reserves</b> pursuant to subsection 3(1) of Section 205.5 of the ISO Rules, Spinning Reserve Technical Requirements and Performance Standards, and that can, in any combination, deliver or receive electric energy from the <b>interconnected electric system</b> .  [Rules (2018-02-01)]
"substation fraction"	means:  (i) for a market participant that is not the legal owner of an electric distribution system, the share of a substation's capacity attributable to a market participant under Rate DTS or Rate STS, calculated by dividing the contract capacity of the individual system access service at a substation by the sum of all contract capacities of all system access services provided at the same substation under Rate DTS and Rate STS; and  (ii) for a market participant that is the legal owner of an electric distribution system,  (a) for system access service provided at a substation to the market participant under Rate DTS,  (1) where the market participant is the only market participant receiving system access service at the substation, one (1); or  (2) where more than one market participant receives system access service at the substation, the sum of the market participant's contract capacities of system access services provided under Rate DTS and Rate STS divided by the sum of all contract capacities of all system access services provided at the same substation under Rate DTS and Rate STS; and  (b) for system access service provided at a substation to the market participant under Rate STS, zero (0).



Term	Definition
	means the periods:
"super-peak"	<ul><li>(i) in the morning, from 05:00:00 to 07:59:59;</li><li>(ii) in November, December and January, in the evening, from 16:00:00 to 23:59:59; and</li></ul>
	(iii) in all other months, in the evening, from 17:00:00 to 23:59:59.
	[ Rules (2014-12-23) ]
	means contingency reserve that is
	(i) generation capable of being connected to the <b>interconnected electric</b>
"supplemental reserve"	system and loaded within ten (10) minutes; or
Supplemental reserve	(ii) load connected to the interconnected electric system which can be
	reduced within ten (10) minutes.
	[ Rules (2014-12-23) ]
"aunnlamental recente	means a single device or single system that is eligible to provide <b>supplemental reserves</b> pursuant to subsection 3 of Section 205.6 of the ISO Rules, Supplemental Reserve Technical Requirements and Performance Standards,
"supplemental reserve resource"	and that can, in any combination, deliver or receive electric energy from the
resource	interconnected electric system.
	Rules (2018-02-01) ]
	as defined in the Supply Cushion Regulation, Alberta Regulation 42/2024,
"supply cushion	means the target supply cushion of 932 MW.
threshold"	[ Rules (2024-07-01) ]
"supply transmission	means service under Rate STS of the <b>ISO tariff</b> , Supply Transmission Service.
service"	Rules (2024-04-01) ]
3014100	means the service obtained by a <b>market participant</b> through a connection to the
"system access	transmission system, and includes access to exchange electric energy and
service"	ancillary services.
3014100	[ Rules (2020-09-16) ]
	means the service obtained by <b>market participants</b> through a connection to the
"system access	transmission system, and includes access to exchange electric energy and
service"	ancillary services.
	[ Tariff (2021-01-01) ]
	as defined in the Act means the service obtained by <b>market participants</b>
"system access	through a connection to the <b>transmission system</b> , and includes access to
service"	exchange electric energy and ancillary services.
	[ Alberta Reliability Standards (2020-08-06]
O	has the same meaning as in the ISO tariff.
"System Contribution"	[ Rules (2005-09-29) ]
	means an assembly of electrical equipment, including associated switches:
	(i) that is generally treated as a single electrical device;
	(ii) that has terminals that are connected to other electrical devices; and
	(iii) through which electric power is provided to or flows to, through or from the
	transmission system,
	such as a generator, transformer, circuit breaker, bus section, transmission line,
"system element"	collector system feeder, continuously variable reactive compensation device,
	switched capacitor, switched reactor, series compensator, energy storage
	device, inverter, or rectifier or similar electrical device that is comprised of one or
	more components and has terminals connected to other similar devices, but
	does not include any components electrical device that is part of an <b>electric</b>
	distribution system or any generator connected to a collector system feeder.
	[ Rules (2016-08-30), Alberta Reliability Standards (2016-08-30) ]
"system load"	means the total, in an hour, of all metered demands under Rate DTS, Rate FTS
System load	and Rate DOS of the ISO tariff plus transmission system losses.



Term	Definition
	[ Rules (2011-10-13) ]
"system operating limit"	means, as determined by the ISO, the value expressed in MW, MVar, MVA, A, Hz or kV, that satisfies the most limiting of the following:  (i) facility ratings (applicable equipment ratings or facility ratings pre- and post-contingency);  (ii) transient stability limits (applicable transient stability limits pre- and post-contingency);  (iii) voltage stability limits (applicable voltage stability limits pre- and post-contingency); and  (iv) system voltage limits (applicable system voltage limits pre- and post-contingency),  for a specified system configuration.  [ Alberta Reliability Standards (2019-01-01) ]
"system security"	means the safe scheduling, operation and control of the <b>AIES</b> on a day-to-day basis in accordance with the specified technical, security and operational standards to withstand events such as electric short circuits, unanticipated loss of <b>AIES</b> components and switching operations without experiencing cascading loss of <b>AIES</b> components or uncontrolled loss of <b>Ioad</b> .  [Rules (2003-06-01)]
	means <b>transmission facilities</b> or the portion of a <b>transmission facility</b> that the <b>ISO</b> determines to be required for the benefit of many <b>market participants</b> .  [ Tariff (2023-07-20) ]
"technical feasibility	means a variance from a requirement in the CIP Cyber Security reliability standards that achieves a level of reliability of the interconnected electric system that is comparable to or higher than compliance with the requirement.  [ Alberta Reliability Standards (2017-03-21) ]
"time error"	means, for a given period, the accumulation of <b>frequency error</b> as measured by the difference between: (i) the <b>Interconnection</b> time each <b>balancing authority</b> measures; and (ii) the time the National Institute of Standards and Technology specifies. [ Alberta Reliability Standards (2012-10-01) ]
	means an offset to the <b>Interconnection</b> 's scheduled frequency to return the <b>time error</b> for the <b>Interconnection</b> to a predetermined value.  [ Alberta Reliability Standards (2012-10-01) ]
total transfer	means the amount of <b>real power</b> the <b>ISO</b> determines can be reliably transferred over the interconnected transmission network under specified system conditions. [Rules (2012-01-31)]
"transient cyber asset"	<ol> <li>means a cyber asset that is:         <ol> <li>capable of transmitting or transferring executable code,</li> <li>not included in a BES cyber system,</li> <li>not a protected cyber asset associated with High or Medium Impact BES cyber systems, and</li> <li>directly connected (e.g., using Ethernet, serial, Universal Serial Bus, or wireless including near field or Bluetooth communication) for 30 consecutive days or less to a:             <ul> <li>BES cyber asset,</li> <li>network within an electronic security perimeter containing high or medium impact BES cyber systems, or</li> <li>protected cyber asset associated with High or Medium Impact BES cyber systems.</li> <li>protected cyber asset associated with High or Medium Impact BES cyber systems.</li> <li>protected cyber asset associated with High or Medium Impact BES cyber systems.</li> <li>protected cyber asset associated with High or Medium Impact BES cyber systems.</li> <li>protected cyber asset associated with High or Medium Impact BES cyber systems.</li> <li>protected cyber asset associated with High or Medium Impact BES cyber systems.</li> <li>protected cyber asset associated with High or Medium Impact BES cyber systems.</li></ul></li></ol></li></ol>



Term	Definition
	Examples of transient cyber assets include, but are not limited to, cyber
	assets used for data transfer, vulnerability assessment, maintenance, or
	troubleshooting purposes.
	[ Alberta Reliability Standards (2024-10-01) ]
	means a limitation imposed by one (1) or more transmission elements to normal
	economic merit operation of generation, load and interchange transactions or
"transmission	to the flow of electrical energy from one part of the interconnected electric
constraint"	system to the other.
	[ Rules (2003-06-01) ]
	means the delivery of energy from a pool asset on the downstream constraint
	side of a transmission constraint in response to that portion of an energy
"transmission	market <b>dispatch</b> it receives to restore the energy balance on the
constraint rebalancing"	interconnected electric system due to measures taken to mitigate a
	transmission constraint.
	[ Rules (2015-11-26), Tariff (2015-11-26) ]
	means, with respect to a specific <b>Project</b> , the customer, as defined in the <b>ISO</b>
"Transmission	tariff, who has made application for system access service.
Customer"	[ Rules (2005-08-25) ]
	means an arrangement of conductors and transformation equipment that
	transmits electricity from the high voltage terminal of the generation transformer
	to the low voltage terminal of the step down transformer operating phase to
	phase at a nominal high voltage level of more than 25 000 volts to a nominal low
	voltage level of 25 000 volts or less, and includes
	(i) transmission lines energized in excess of 25 000 volts,
	(ii) insulating and supporting structures,
	(iii) substations, transformers and switchgear,
	(iv) operational, telecommunication and control devices,
	(v) all property of any kind used for the purpose of, or in connection with, the
	operation of the transmission facility, including all equipment in a substation
"transmission facility"	used to transmit electric energy from (A) the low voltage terminal, to (B)
	electric distribution system lines that exit the substation and are energized
	at 25 000 volts or less, and
	(vi) connections with electric systems in jurisdictions bordering Alberta, and
	(vii) energy storage included in a needs identification document that has been
	approved by the Commission:
	but does not include:
	(viii) a generating unit;
	(ix) an electric distribution system; or
	(x) an energy storage resource.
	[ Rules (2024-04-01) ]
	as defined in the <b>Act</b> means an arrangement of conductors and transformation
	equipment that transmits electricity from the high voltage terminal of the
	generation transformer to the low voltage terminal of the step down transformer
	operating phase to phase at a nominal high voltage level of more than 25,000
	volts to a nominal low voltage level of 25,000 volts or less, and includes:
"transmission facility"	(i) transmission lines energized in excess of 25,000 volts;
	(ii) insulating and supporting structures;
	(iii) substations, transformers and switchgear;
	(iv) operational, telecommunication and control devices;
	(v) all property of any kind used for the purpose of, or in connection with, the
	operation of the transmission facility, including all equipment in a substation
	used to transmit electric energy from (A) the low voltage terminal, to (B)



Term	Definition
	electric distribution system lines that exit the substation and are energized
	at 25,000 volts or less, and
	(vi) connections with electric systems in jurisdictions bordering Alberta,
	but does not include a <b>generating unit</b> or an <b>electric distribution system</b> .
	[ Tariff (2021-01-01) ]
	as defined in the <b>Act</b> means an arrangement of conductors and transformation equipment that transmits electricity from the high voltage terminal of the generation transformer to the low voltage terminal of the step down transformer operating phase at a nominal high voltage level of more than 25 000
	volts to a nominal low voltage level of 25000 volts or less, and includes  (i) transmission lines energized in excess of 25000 volts,  (ii) insulating and supporting structures,
	(iii) substations, transformers and switchgear,
"transmission facility"	(iv) operational, telecommunication and control devices,
"transmission facility"	<ul> <li>(v) operational, telecommunication and control devices,</li> <li>(v) all property of any kind used for the purpose of, or in connection with, the operation of the transmission facility, including all equipment in a substation used to transmit electric energy from (A) the low voltage terminal, to (B) electric distribution system lines that exit the substation and are energized at 25 000 volts or less, and</li> </ul>
	(vi) connections with electric systems in jurisdictions bordering Alberta,
	but does not include a generating unit or an electric distribution system.
	Alberta Reliability Standards (2014-10-01) ]
"Transmission Facility Proposal"	means a transmission facility proposal as referred to in s. 35(1)(a) of the <b>Act</b> for a <b>Project</b> that, following the <b>ISO's</b> issuance of a <b>Direction</b> , is submitted by a <b>Designated TFO</b> to the <b>Commission</b> in accordance with the <b>ISO's Direction</b> for
Горозаг	approval pursuant to the <b>HEEA</b> .
	[ Rules (2008-08-11) ]
"transmission must-	means a service whereby a <b>source asset</b> that is not <b>in merit</b> may receive a <b>directive</b> to operate at a minimum specified MW output level in order to maintain
run"	system security.
	[ Rules (2024-04-01) ]
"transmission operator"	means the entity responsible for the <b>reliability</b> of its "local" <b>transmission system</b> , and that operates or directs the operations of the <b>transmission facilities</b> .
	Alberta Reliability Standards (2010-01-22) ]
"transmission planner"	means the entity that is registered with <b>NERC</b> and as defined under the <b>NERC</b> functional model.
	Alberta Reliability Standards (2015-09-01) ]
	means that amount of transfer capability the ISO determines is necessary to ensure the reliable operation of the interconnected electric system taking into
margin"	account uncertainties in system conditions and the need for operating flexibility.
	[ Rules (2012-01-31) ]
!!4	as defined in the <b>Act</b> means all <b>transmission facilities</b> in Alberta that are a part
"transmission system"	of the interconnected electric system.
	[ Rules (2010-09-07), Alberta Reliability Standards (2011-12-31) ]
"transmission system"	as defined in the <b>Act</b> means all <b>transmission facilities</b> in Alberta that are part of the <b>interconnected electric system</b> .
	[ Tariff (2015-07-01) ]
"transmission system losses"	means, for each year, the total of the <b>transmission system losses</b> on <b>the interconnected electric system</b> .
	[ Rules (2005-05-25) ]



Term	Definition
"under voltage load shed"	means a protection scheme that enables pre-configured devices to automatically
	shed load to stabilize voltage when voltage falls below predetermined limits.
	[ Alberta Reliability Standards (2014-10-01) ]
U	means a protection scheme that enables pre-configured devices to automatically
"under voltage load	shed load to stabilize voltage when voltage falls below predetermined limits.
shed (UVLS)"	[ Rules (2003-06-01) ]
"ndowfromonov.lood	means the automatic or manual actions required to shed system load when the
"underfrequency load shedding"	system frequency falls below the normal system operating frequency of 60 Hz in
Siledding	order to allow for the return to a secure state.
	[ Tariff (2021-01-01) ]
	means the automatic or manual actions required to shed system load when the
"underfrequency load	system frequency falls below the normal system operating frequency of sixty (60)
shedding"	Hz in order to allow for the return to a secure state.
	[ Rules (2003-06-01), Alberta Reliability Standards (2014-10-01) ]
	as defined in the Supply Cushion Regulation, Alberta Regulation 42/2024,
"unit commitment	means a directive issued by the ISO in accordance with the Supply Cushion
directive"	Regulation for an eligible long lead time asset.
	[ Rules (2024-06-21) ]
	means the unavailability of a facility which is not anticipated as part of a legal
"unplanned outage"	owner's regular maintenance and occurs as a result of a deliberate, manual
unplanned outage	action.
	[ Tariff (2015-07-01) ]
	means, in relation to the transmission elements that comprise the <b>transmission</b>
"unetroam constraint	constraint, those elements of the interconnected electric system more
"upstream constraint side"	proximate to the supply side of the <b>transmission constraint</b> than to the load or
Side	consumption side of the <b>transmission constraint</b> .
	[ Rules (2011-05-05) ]
"variable energy	means the portion of the maximum capability of a source asset, starting from
resource quantity "	0 MW, that is deemed to be dependent on solar or wind conditions.
- document quantity	[ Rules(2024-04-01) ]
"voltage regulating	means the equipment that automatically controls the <b>reactive power</b> resources
system"	to regulate the voltage level at any <b>collector bus</b> .
	[ Alberta Reliability Standards (2016-04-01) ]
	means the equipment that automatically controls the <b>reactive power</b> resources
	to regulate the voltage level:
"voltage regulating	(i) at any collector bus for an aggregated generating facility; or
system"	(ii) at a control point for an <b>energy storage facility</b> , as specified by a <b>market</b>
	participant in accordance with the applicable section of the ISO rules.
	[ Rules (2016-04-25) ]
"WECC"	means the Western Electricity Coordinating Council.
	[ Rules (2003-06-01), Alberta Reliability Standards (2014-10-01) ]
"western interconnection"	means the area comprised of those portions of western Canada, northern
	Mexico and the western United States in which members of the <b>WECC</b> operate
	synchronously connected transmission systems.
	[ Rules (2010-12-01) ]
"western interconnection"	means the area comprised of those portions of western Canada, northern
	Mexico and the western United States in which members of the <b>WECC</b> operate
	synchronously connected <b>transmission systems</b> .
	[ Alberta Reliability Standards (2014-10-01) ]



Term	Definition
	means an interchange transaction that:
	(i) is represented by a single <b>e-tag</b> ;
"uubaal thraugh	(ii) is comprised of an import <b>offer</b> over one transfer path and an export <b>bid</b>
"wheel through transaction"	over a different transfer path that specify quantities equal to one another;
transaction	and
	(iii) originates and terminates outside of the Alberta balancing authority area.
	[ Rules (2012-01-31) ]
	means the entire ISO area as well as the critical flow and status information from
"wide-area"	adjacent reliability coordinator areas as determined by detailed system studies
wide-area	to allow the calculation of interconnection reliability operating limits.
	[ Alberta Reliability Standards (2015-07-08) ]
	means a single generating unit, turbine and associated power electronics which
	converts mechanical energy from wind to electric energy.
	[ Rules (2010-09-07) ]