10. **Glossary**

**1st regulatory control period**
In relation to a *Network Service Provider* in this jurisdiction, means the first period during which the provider will be or is subject to a control mechanism imposed by a distribution determination, being the period from 1 July 2019 to 30 June 2024.

**2nd regulatory control period**
In relation to a *Network Service Provider* in this jurisdiction, means the second period during which the provider will be or is subject to a control mechanism imposed by a distribution determination, being the period from 1 July 2024 to 30 June 2029.

**Note:**
This definition expires on 1 July 2029.

**2009-14 NT regulatory control period**
The regulatory control period that commenced on 1 July 2009 under the *NT Network Access Code*.

**2014-19 NT regulatory control period**
The regulatory control period that commenced on 1 July 2014 under the *NT Network Access Code*.

**2014 NT Ministerial Direction**
The direction issued by the shareholding Minister of Power and Water Corporation ABN 15 947 352 360 to the board of the Corporation under section 8(4)(a) of the *Government Owned Corporations Act (NT)*, dated 19 June 2014.

**2014 NT Network Price Determination**
The "2014 Network Price Determination" made by the *Utilities Commission* under the *Utilities Commission Act (NT)*, *Electricity Reform Act (NT)* and Chapter 6 of the *NT Network Access Code* that:
(a) applies, or applied, from 1 July 2014 to 30 June 2019; and
(b) because of section 57 of the *Electricity Networks (Third Party Access) Act (NT)*, is, or was, a network pricing determination made under section 6A(1) of that Act,
as amended, varied or substituted from time to time.

**AARR**
The aggregate annual revenue requirement for prescribed transmission services.

**abnormal conditions**
A condition described in clause 4.2.3A(a).
above-standard system shared transmission service
A shared transmission service that exceeds the requirements referred to in paragraph (a)(1) or (2) of the definition of negotiated transmission service principally as a consequence of investments that have system-wide benefits.

ACCC
Australian Competition and Consumer Commission as established under the Competition and Consumer Act 2010 (Cth).

acceptable credit criteria
The credit criteria defined in clause 3.3.3.

acceptable credit rating
The credit rating determined by AEMO under clause 3.3.4.

access charge
For a Distribution Network Service Provider - in respect of access to:
(a) negotiated distribution services which would have been negotiated distribution services regardless of the operation of clause 6.24.2(c), an amount described in clause 5.3AA(f)(4).
(b) [Deleted]

access party
In respect of a service that is listed in column 1 of Table S7.5.1.1, the party listed in column 3 of Table S7.5.1.1.

access policy
An access policy as required for large DCA services under clause 5.2A.8.

access standard
A particular technical requirement as recorded in a connection agreement.

Accredited Service Provider category
A category of registration of a Metering Provider established by AEMO under S7.2.2(b) as a consequence of requirements of a participating jurisdiction to install metering installations.

accumulated energy data
The data that results from the measurement of the flow of electricity in a power conductor where the data represents a period in excess of a recording interval. Accumulated energy data is held in the metering installation. The measurement is carried out at a metering point.

accumulated metering data
The accumulated energy data, once collected from a metering installation, is accumulated metering data. Accumulated metering data is held in a metering data services database.

actionable ISP project
A project:
(a) that relates to a transmission asset or non-network option the purpose of which is to address an identified need specified in an Integrated System Plan and which forms part of an optimal development path; and

(b) for which a project assessment draft report is required to be published in the Integrated System Plan that identifies that project.

activate, activated, activation

The operation of a generating unit (other than a scheduled generating unit) at an increased loading level or reduction in demand (other than a scheduled load) undertaken in response to a request by AEMO in accordance with an unscheduled reserve contract.

active energy

A measure of electrical energy flow, being the time integral of the product of voltage and the in-phase component of current flow across a connection point, expressed in watthour (Wh).

active power

The rate at which active energy is transferred.

active power capability

The maximum rate at which active energy may be transferred from a generating unit to a connection point as specified or proposed to be specified in a connection agreement (as the case may be).

additional intervention claim

Has the meaning given in clause 3.12.2(k).

adequately damped

In relation to a control system, when tested with a step change of a feedback input or corresponding reference, or otherwise observed, any oscillatory response at a frequency of:

(a) 0.05 Hz or less, has a damping ratio of at least 0.4;

(b) between 0.05 Hz and 0.6 Hz, has a halving time of 5 seconds or less (equivalent to a damping coefficient –0.14 nepers per second or less); and

(c) 0.6 Hz or more, has a damping ratio of at least 0.05 in relation to a minimum access standard and a damping ratio of at least 0.1 otherwise.

adjusted gross energy

The energy adjusted in accordance with clause 3.15.5 (for a transmission network connection point) or clause 3.15.5A (for a virtual transmission node) or clause 3.15.4 (for any other connection point).

adjusted locational component

Has the meaning given to it in clause 6A.23.3(b).

adjusted non-locational component

Has the meaning given to it in clause 6A.23.3(e).
administered floor price

A price floor to apply to a regional reference price, with the levels of the price floor being administered under clause 3.14.1 and the circumstances under which it can be invoked by AEMO being determined as set out in clause 3.14.2.

administered price cap

A price cap to apply to a dispatch price, regional reference price or ancillary service price as specified in clause 3.14.1.

administered price period

A period declared by AEMO, in accordance with clause 3.14.2, in which an administered price cap may be invoked.

adoptive jurisdiction

Has the meaning given in the National Electricity Law.

adverse system strength impact

An adverse impact, assessed in accordance with the system strength impact assessment guidelines, on the ability under different operating conditions of:

(a) the power system to maintain system stability in accordance with clause S5.1a.3; or

(b) a generating system or market network service facility forming part of the power system to maintain stable operation including following any credible contingency event or protected event,

so as to maintain the power system in a secure operating state.

Adviser

The Dispute Resolution Adviser specified in clause 8.2.2(a).

Adviser referral notice

A notice referring a dispute to the Adviser for the purposes of clause 8.2.5.

AEMC


AEMO

Means Australian Energy Market Operator Limited (ACN 072 010 327)

Note

Before its change of name, AEMO was known as NEMMCO.

AEMO advisory matter

A matter that relates to AEMO's functions under the National Electricity Law and a matter in which AEMO has a role under clause 5.3.4B or in schedules 5.1a, 5.1, 5.2, 5.3 and 5.3a. Advice on the acceptability of negotiated access standards under the following clauses are deemed to be AEMO advisory matters: S5.1.9, S5.2.5.1, S5.2.5.3 to S5.2.5.5, S5.2.5.7 to S5.2.5.14, S5.2.6.1, S5.2.6.2, S5.3a.4.1 and S5.3a.14.
**AEMO co-ordinating centre**

The control centre from which *AEMO* conducts market related activities and the coordination of the operation of the national grid.

**AEMO intervention event**

An event where *AEMO* intervenes in the market under the *Rules* by:

(a) issuing a *direction* in accordance with clause 4.8.9; or

(b) exercising the *reliability and emergency reserve trader* in accordance with rule 3.20 by:

1. dispatching scheduled generating units, scheduled network services or scheduled loads in accordance with a scheduled reserve contract; or

2. activating loads or generating units under an unscheduled reserve contract.

**AEMO Member**

A person appointed as a *Member* by *AEMO* to represent *AEMO* in accordance with clause 7.17.10(c).

**AEMO power system security responsibilities**

The responsibilities described in clause 4.3.1.

**AER**

The Australian Energy Regulator, which is established by section 44AE of the *Competition and Consumer Act 2010* (Cth).

**AER PoLR report**

Has the meaning given in clause 4A.F.8(a).

**affected participant's adjustment claim**

Has the meaning given in clause 3.12.2(g)(3).

**Affected Participant**

(a) In respect of a particular *direction* in an *intervention price trading interval*:

1. a *Scheduled Generator* or *Scheduled Network Service Provider*:

   i. which was not the subject of the *direction*, that had its dispatched quantity affected by that *direction*; or

   ii. which was the subject of the *direction*, that had its dispatched quantity for other *generating units* or other services which were not the subject of that *direction* affected by that *direction*, however, the *Scheduled Generator* or *Scheduled Network Service Provider* is only an *Affected Participant* in respect of those *generating units* and services which were not the subject of that *direction*; or

2. an *eligible person* entitled to receive an amount from *AEMO* pursuant to clause 3.18.1(b)(1) where there has been a change in flow of a *directional interconnector*, for which the *eligible person* holds units
for the \textit{intervention price trading interval}, as a result of the direction; and

(b) in relation to the exercise of the \textit{RERT} under rule 3.20:

(1) a \textit{Scheduled Generator} or \textit{Scheduled Network Service Provider}:

(i) whose \textit{plant} or \textit{scheduled network service} was not \textit{dispatched} under a \textit{scheduled reserve contract}, that had its \textit{dispatched quantity} affected by the \textit{dispatch} of \textit{plant} or \textit{scheduled network service} under that \textit{scheduled reserve contract}; and

(ii) who was not the subject of \textit{activation} under an \textit{unscheduled reserve contract}, that had its \textit{dispatched quantity} affected by the \textit{activation} of \textit{generating units} or \textit{loads} under that \textit{unscheduled reserve contract};

(2) a \textit{Scheduled Generator} or \textit{Scheduled Network Service Provider} whose \textit{plant} or \textit{scheduled network service} was \textit{dispatched} under a \textit{scheduled reserve contract}, that had its \textit{dispatched quantity} for other \textit{generating units} or other services which were not \textit{dispatched} under the \textit{scheduled reserve contract} affected by that \textit{dispatch} of \textit{plant} or \textit{scheduled network service} under that \textit{scheduled reserve contract}, however, the \textit{Scheduled Generator} or \textit{Scheduled Network Service Provider} is only an \textit{Affected Participant} in respect of those \textit{generating units} and services which were not \textit{dispatched} under that \textit{scheduled reserve contract}; or

(3) an \textit{eligible person} entitled to receive an amount from \textit{AEMO} pursuant to clause 3.18.1(b)(1) where there has been a change in flow of a \textit{directional interconnector}, for which the \textit{eligible person} holds units for the \textit{intervention price trading interval}, as a result of the \textit{dispatch} of \textit{plant} or \textit{scheduled network service} under a \textit{scheduled reserve contract} or the \textit{activation} of \textit{generating units} or \textit{loads} under an \textit{unscheduled reserve contract}.

\textbf{aggregate annual revenue requirement}

For \textit{prescribed transmission services}, the meaning in clause 6A.22.1 and for any other service, the calculated total annual revenue to be earned by an entity for a defined class or classes of service.

\textbf{aggregate payment due}

The aggregate of the net amounts payable by \textit{AEMO} to each of the \textit{Market Participants} to whom payments are to be made in relation to \textit{spot market transactions} or \textit{reallocation transactions} in respect of a \textit{billing period} determined in accordance with clause 3.15.22(c).

\textbf{agreed capability}

In relation to a \textit{connection point}, the capability to receive or send out power for that \textit{connection point} determined in accordance with the relevant \textit{connection agreement}. 
allowed imputation credits

for a Network Service Provider for a regulatory year means the value of imputation credits for the regulatory year stated, or calculated in the way stated, in the applicable rate of return instrument for the Network Service Provider for the regulatory year.

allowed rate of return

for a Network Service Provider for a regulatory year means the rate of return calculated in the way stated in the applicable rate of return instrument for the Network Service Provider for the regulatory year.

alternative control service

A distribution service that is a direct control service but not a standard control service.

alternative network constraint formulation

A network constraint equation formulation used by AEMO other than a fully co-optimised network constraint formulation.

Amending Rule

A Rule made by the AEMC under section 103 of the National Electricity Law on and from the date of commencement of the operation of that Rule, or parts of that Rule.

ancillary service fees

The fees determined by AEMO under Chapter 2 in relation to ancillary services.

ancillary service generating unit

A generating unit which has been classified in accordance with Chapter 2 as an ancillary service generating unit.

ancillary service load

A market load or load which has been classified in accordance with Chapter 2 as an ancillary service load.

ancillary service price

In respect of a dispatch interval, for a market ancillary service, the common clearing price for the market ancillary service determined in accordance with clause 3.9.

Ancillary Service Provider

A person who engages in the activity of owning, controlling or operating a generating unit, load or market load classified in accordance with Chapter 2 as an ancillary service generating unit or ancillary service load, as the case may be.

ancillary services

Market ancillary services and non-market ancillary services.

ancillary services agreement

An agreement under which an NMAS provider agrees to provide one or more services described in paragraph (b) of non-market ancillary services to AEMO.
annual benchmarking report

Has the meaning given to it by clause 6.27 or clause 6A.31, as the case may be.

annual building block revenue requirement

The amount representing the revenue requirement of a Transmission Network Service Provider for each regulatory year of a regulatory control period calculated in accordance with clause 6A.5.4.

annual revenue requirement

An amount representing revenue for a Distribution Network Service Provider, for each regulatory year of a regulatory control period, calculated in accordance with Part C of Chapter 6.

annual service revenue requirement (or "ASRR")

Has the meaning set out in clause 6A.22.2.

apparent power

The square root of the sum of the squares of the active power and the reactive power.

applicable rate of return instrument

for a Network Service Provider for a regulatory year means the rate of return instrument in force when the network revenue or pricing determination for the Network Service Provider for the regulatory control period to which the regulatory year belongs is made (disregarding any determination made in substitution for an earlier determination for the Network Service Provider for that regulatory control period).

applicable regulatory instruments

All laws, regulations, orders, licences, codes, determinations and other regulatory instruments (other than the Rules) which apply to Registered Participants from time to time, including those applicable in each participating jurisdiction as listed below, to the extent that they regulate or contain terms and conditions relating to access to a network, connection to a network, the provision of network services, network service price or augmentation of a network.

(1) New South Wales:
   (a) the Electricity Supply Act 1995 (ES Act);
   (b) all regulations made and licences (Licences) issued under the ES Act;
   (c) the Independent Pricing and Regulatory Tribunal Act 1992 (IPART Act);
   (d) all regulations and determinations made under the IPART Act;
   (e) all regulatory instruments applicable under the Licences; and

(2) Victoria:
   (a) the Electricity Industry Act 2000 (EI Act);
   (b) all regulations made and licences (Licences) issued under the EI Act;
(c) the Essential Services Commission Act 2001 (ESCV Act);  
(d) all regulations and determinations made under the ESCV Act;  
(e) all regulatory instruments applicable under the Licences; and  
(f) the Tariff Order made under section 158A(1) of the Electricity Industry Act 1993 and continued in effect by clause 6(1) of Schedule 4 to the Electricity Industry (Residual Provisions) Act 1993, as amended or varied in accordance with section 14 of the EI Act.

(3) South Australia:  
(a) the Electricity Act 1996;  
(b) all regulations made and licences (Licences) issued under the Electricity Act;  
(c) the Essential Services Commission Act 2002 (ESCSA Act);  
(d) all regulations and determinations made under the ESCSA Act;  
(e) all regulatory instruments applicable under the Licences; and  
(f) the Electricity Pricing Order made under section 35B of the Electricity Act.

(4) Australian Capital Territory:  
(a) the Utilities Act 2000;  
(b) all regulations made and licences (Licences) issued under the Utilities Act;  
(c) the Independent Competition and Regulatory Commission Act 1997 (ICRC Act);  
(d) all regulations and determinations made under the ICRC Act; and  
(e) all regulatory instruments applicable under the Licences.

(5) Queensland:  
(a) the Electricity Act 1994;  
(b) all regulations made and authorities and special approvals (Licences) granted under the Electricity Act;  
(c) the Queensland Competition Authority Act 1997 (QCA Act);  
(d) all regulations and determinations made under the QCA Act;  
(e) all regulatory instruments applicable under the Licences; and  
(f) the Gladstone Power Station Agreement Act 1993 and associated agreements.

(6) Tasmania:  
(a) the Electricity Supply Industry Act 1995;  
(b) all regulations made and licences (Licences) issued under the Electricity Supply Industry Act;  
(c) all regulatory instruments under the Electricity Supply Industry Act or the Licences (including, without limitation, determinations of the
Tasmanian Electricity Regulator under the *Electricity Supply Industry (Price Control) Regulations*; and

(d) the Tasmanian Electricity Code issued under section 49A of the Electricity Supply Industry Act.

(6A) Northern Territory:

(a) the *Electricity Reform Act* (NT);

(b) all instruments made and licences granted under the *Electricity Reform Act* (NT);

(c) the *Utilities Commission Act* (NT); and

(d) all instruments made under the *Utilities Commission Act* (NT).

**application to connect**

An application made by a *Connection Applicant* in accordance with Chapter 5, Part A for connection to a network and/or the provision of network services or modification of a connection to a network and/or the provision of network services.

**approved jurisdictional scheme**

For a *Distribution Network Service Provider*, means a *jurisdictional scheme* in relation to which the AER:

(a) has made a decision under clause 6.12.1(20);

(b) has made a determination under clause 6.6.1A(e); or

(c) is taken to have made a determination under clause 6.6.1A(f).

**approved pass through amount**

In respect of a *positive change event* for a *Transmission Network Service Provider*:

(a) the amount which the AER determines should be passed through to *Transmission Network Users* under clause 6A.7.3(d)(2); or

(b) the amount which the AER is taken to have determined under clause 6A.7.3(e)(1), as the case may be.

In respect of a *positive change event* or *NT positive change event* for a *Distribution Network Service Provider*:

(a) the amount the AER determines should be passed through to *Distribution Network Users* under clause 6.6.1(d)(2) or clause 6.6.1AB(d)(2); or

(b) the amount the AER is taken to have determined under clause 6.6.1(e)(1) or 6.6.1AB(e)(1), as the case may be.

**Note:**

The modification to this definition expires on 1 July 2024.
approved pricing proposal
A pricing proposal approved by the AER.

ASRR
The annual service revenue requirement.

asset exemption
Has the meaning given in clause 6.4B.1(a).

Asset Exemption Guidelines
Guidelines developed, maintained and published by the AER under clause 6.4B.1(c).

asynchronous generating unit
A generating unit that is not a synchronous generating unit.

attributable connection point cost share
Has the meaning set out in clause 6A.22.4.

attributable cost share
Has the meaning set out in clause 6A.22.3.

auction
A settlement residue auction held under clause 3.18.

auction amounts
All amounts:
(a) payable by AEMO to eligible persons under SRD agreements; or
(b) distributed to Network Service Providers under clause 3.18.4; or
(c) recovered by AEMO under clause 3.18.4, clause 3.18.4A or the auction rules, including auction expense fees; or
(d) payable by eligible persons to AEMO under SRD agreements including any margin referred to in clause 3.18.4A(b).

auction expense fees
The costs and expenses incurred by AEMO referred to in clause 3.18.4(b).

auction participation agreement
Has the meaning given in clause 3.18.1(a).

auction rules
The rules developed by AEMO under clause 3.18.3, as amended from time to time in accordance with that clause.

augmentation
Has the meaning given in the National Electricity Law.

augmentation technical report
A report on augmentation under rule 5.21.
Australian Central Standard Time (ACST)
The time that is set at 9 hours and 30 minutes in advance of Co-ordinated Universal Time.

Australian Standard (AS)
The most recent edition of a standard publication by Standards Australia (Standards Association of Australia).

Australian Government's National Greenhouse and Energy Reporting Framework
The reporting framework developed under the National Greenhouse and Energy Reporting Act 2007 (Cth).

Authority
Any government, government department, instrumentality, Minister, agency, statutory authority or other body in which a government has a controlling interest, and includes the AEMC, AEMO, the AER and the ACCC and their successors.

automatic access standard
In relation to a technical requirement of access, a standard of performance, identified in a schedule of Chapter 5 as an automatic access standard for that technical requirement, such that a plant that meets that standard would not be denied access because of that technical requirement.

automatic generation control system (AGC)
The system into which the loading levels from economic dispatch will be entered for generating units operating on automatic generation control in accordance with clause 3.8.21(d).

automatic reclose equipment
In relation to a transmission line or distribution line, the equipment which automatically recloses the relevant line's circuit breaker(s) following their opening as a result of the detection of a fault in the transmission line or the distribution line (as the case may be).

available capacity
The total MW capacity available for dispatch by a scheduled generating unit, semi-scheduled generating unit or scheduled load (i.e. maximum plant availability) or, in relation to a specified price band, the MW capacity within that price band available for dispatch (i.e. availability at each price band).

average electrical energy loss
The volume-weighted average of the electrical energy losses incurred in each trading interval over all trading intervals in a defined period of time

average loss factor
A multiplier used to describe the average electrical energy loss for electricity used or transmitted.

avoided Customer TUOS charges
The charges described in rule 5.3AA(h).
**B2B Change Party**

A person who has provided a change proposal to the *Information Exchange Committee* under clause 7.17.4(f) and is not otherwise a B2B Party.

**B2B Communications**

Communications between *B2B Parties* relating to end-users or *supply* to end-users provided for in the *B2B Procedures*.

**B2B costs**

The following costs incurred by *AEMO*:

(a) the costs of the development of the *B2B Procedures*;

(b) the costs of the establishment and operation of the *Information Exchange Committee* (including the engagement costs of specialist advisers), all of which must be set out in the budget prepared by the *Information Exchange Committee* pursuant to clause 7.17.7(d) and the *Information Exchange Committee Annual Report*; and

(c) the operational costs associated with any service provided by *AEMO* to facilitate *B2B Communications* (including providing, maintaining, upgrading and operating a *B2B e-Hub*).

**B2B Data**

Data relating to *B2B Communications*.

**B2B Decision**

A decision of *AEMO* to approve or not approve an *Information Exchange Committee Recommendation*.

**B2B Determination Dispute**

A dispute in relation to either a *B2B Decision* or an *Information Exchange Committee Recommendation*.

**B2B e-Hub**

An electronic information exchange platform provided, maintained and operated by *AEMO* to facilitate *B2B Communications*.

**B2B e-Hub Participant**

A person who has been accredited by *AEMO* as a *B2B e-Hub Participant* under clause 7.17.2.

**B2B factors**

The following factors:

(a) The reasonable costs of compliance by *AEMO* and *B2B Parties* with the *B2B Procedures* compared with the likely benefits from *B2B Communications*; and

(b) The likely impacts on innovation in and barriers to entry to the markets for services facilitated by advanced meters resulting from changing the existing *B2B Procedures*; and
(c) The implementation timeframe reasonably necessary for AEMO and B2B Parties to implement systems or other changes required to be compliant with any change to existing B2B Procedures.

**B2B Party**

*Distribution Network Service Providers, retailers, Local Retailers, Metering Coordinators, Metering Providers, Metering Data Providers, Embedded Network Managers and other Third Party B2B Participants.*

**B2B Principles**

The following principles:

(a) *B2B Procedures* should provide a uniform approach to *B2B Communications* in participating jurisdictions;

(b) *B2B Procedures* should detail operational and procedural matters and technical requirements that result in efficient, effective and reliable *B2B Communications*;

(c) *B2B Procedures* should avoid unreasonable discrimination between *B2B Parties*; and

(d) *B2B Procedures* should protect the confidentiality of commercially sensitive information.

**B2B Procedures**

The *B2B Procedures* made under Part H with the content required under clause 7.17.3.

**B2B Procedures Change Pack**

A document consisting of:

(a) a *B2B Proposal*;

(b) a report setting out an overview of the likely impact of the *B2B Proposal* on AEMO and B2B Parties;

(c) draft *B2B Procedures* (incorporating proposed changes in mark up, where appropriate); and

(d) an issues paper explaining why the *B2B Proposal* is being presented.

**B2B Proposal**

A proposal for *B2B Procedures*, or a change to the *B2B Procedures*, which is the subject of consultation by the Information Exchange Committee.

**bank bill rate**

On any day, the rate determined by AEMO (having regard to such market indicators as AEMO in its discretion selects) to be the market rate as at 10.00 am on that day (or if not a business day, on the previous business day) for Australian dollar denominated bank accepted bills of exchange having a tenor of 30 days.

**basic connection service**

Has (in the context of Chapter 5A) the meaning given in clause 5A.A.1.
basic micro EG connection service

Has (in the context of Chapter 5A) the meaning given in clause 5A.A.1.

bid and offer validation data

Data submitted by Scheduled Generators, Semi-Scheduled Generators and Market Participants to AEMO in relation to their scheduled loads, scheduled generating units, semi-scheduled generating units and scheduled market network services in accordance with schedule 3.1.

billed but unpaid charges

For a Distribution Network Service Provider, network charges that have been billed to a failed retailer by the Distribution Network Service Provider, but that the failed retailer has not yet paid (whether before or after the relevant due date for payment).

billing period

The period of 7 days commencing at the start of the trading interval ending 12.30 am Sunday.

billing transaction

The activity of producing bills and credit notes in markets that are not operated or administered by NTESMO.

black start capability

A capability that allows a generating unit, following its disconnection from the power system, to be able to deliver electricity to either:

(a) its connection point; or
(b) a suitable point in the network from which supply can be made available to other generating units,

without taking supply from any part of the power system following disconnection.

black system

The absence of voltage on all or a significant part of the transmission system or within a region during a major supply disruption affecting a significant number of customers.

book build participant

A person who is accredited by AEMO to participate in a voluntary book build under clause 4A.H.4.

breaker fail

In relation to a protection system, that part of the protection system that protects a Market Participant's facilities against the non-operation of a circuit breaker that is required to open.

breaker fail protection system

A protection system that protects a facility against the non-operation of a circuit breaker that is required to open to clear a fault.
**building block determination**

The component of a distribution determination relevant to the regulation of standard control services (See rule 6.3).

**building block proposal**

For a Distribution Network Service Provider, the part of the provider's regulatory proposal relevant to the regulation of standard control services (See clause 6.3.1).

**busbar**

A common connection point in a power station switchyard or a transmission network substation.

**business day**

A day that is not:

(a) a Saturday or Sunday; or

(b) a public holiday as defined in section 17 of the Interpretation Act (NT) (other than a public holiday that is part of a day) in the City of Darwin.

**calculated metering data**

The recording interval data corresponding to the calculation of consumed energy for a type 7 metering installation in accordance with schedule 7A.7. Calculated metering data is held in the metering data services database.

**call amount**

The amount determined pursuant to the formula in clause 3.3.11 for the purposes of a call notice where the outstandings of a Market Participant exceed its trading limit.

**call notice**

A notice issued by AEMO pursuant to clause 3.3.11 where the outstandings of a Market Participant exceed its trading limit.

**capacitor bank**

Electrical equipment used to generate reactive power and therefore support voltage levels on distribution and transmission lines in periods of high load.

**capacity reserve**

At any time, the amount of surplus or unused generating capacity indicated by the relevant Generators as being available in the relevant timeframe minus the capacity requirement to meet the current forecast load demand, taking into account the known or historical levels of demand management.

**capital expenditure criteria**

For a Transmission Network Service Provider – the matters listed in clause 6A.6.7(c)(1)–(3).

For a Distribution Network Service Provider – the matters listed in clause 6.5.7(c)(1)–(3).
capital expenditure factors

For a Transmission Network Service Provider - the factors listed in clause 6A.6.7(e)(1)-(14).

For a Distribution Network Service Provider - the factors listed in clause 6.5.7(e)(1)-(12).

Capital Expenditure Incentive Guidelines

Guidelines made by the AER under clause 6.4A(b) or clause 6A.5A(b), as the case may be.

capital expenditure incentive objective

Has the meaning given to it by clause 6.4A(a) or clause 6A.5A(a), as the case may be.

capital expenditure objectives

For a Transmission Network Service Provider – the objectives set out in clause 6A.6.7(a).

For a Distribution Network Service Provider – the objectives set out in clause 6.5.7(a).

capital expenditure sharing scheme

A scheme developed and published by the AER in accordance with clause 6.5.8A or clause 6A.6.5A, as the case may be.

capital expenditure sharing scheme principles

Has the meaning given to it by clause 6.5.8A(c) or clause 6A.6.5(c), as the case may be.

capitalisation requirement

The requirement set out in clause 66.2.2A(e) or clause S6A.2.2A(e), as the case may be.

carbon dioxide equivalent intensity index

The index published by AEMO in accordance with clause 3.13.14(f).

carbon dioxide equivalent intensity index procedures

The procedures published by AEMO in accordance with clause 3.13.14(a).

cascading outage

The occurrence of an uncontrollable succession of outages, each of which is initiated by conditions (e.g. instability or overloading) arising or made worse as a result of the event preceding it.

categories of prescribed transmission services

For the purposes of pricing for prescribed transmission services:

(a) prescribed entry services;
(b) prescribed exit services;
(c) prescribed common transmission services; and
(d) prescribed TUOS services.
central dispatch
The process managed by AEMO for the dispatch of scheduled generating units, semi-scheduled generating units, scheduled loads, scheduled network services and market ancillary services in accordance with rule 3.8.

change
Includes amendment, alteration, addition or deletion.

changeover date
Has the meaning given in the National Electricity Law.

charging parameters
The constituent elements of a tariff.

check meter
An additional meter used as a source of check metering data for type 1 and type 2 metering installations as specified in schedule 7A.4.

check metering data
The energy data, once collected from a check metering installation, is check metering data. Check metering data is held in a metering data services database.

check metering installation
A metering installation that includes a check meter which is used as the source of check metering data for data validation.

child connection point
The agreed point of supply between an embedded network and an electrical installation, generating unit or other network connected to that embedded network, for which a Market Participant is, or proposes to be, financially responsible.

clause 4.8.9 instruction
Has the meaning given in clause 4.8.9(a1)(2).

closure date
Has the meaning given in clause 2.10.1(c1).

commercial arbitrator
A dispute resolution panel (within the meaning of section 2 of the National Electricity Law) established pursuant to clause 6A.30.2(b).

commitment
The commencement of the process of starting up and synchronising a generating unit to the power system.

communications interface
The modem and other devices and processes that facilitate the connection between the metering installation and the telecommunications network for the purpose of the remote acquisition of energy data.

compensation recovery amount
Has the meaning given in clause 3.15.8(a).
confidential information
In relation to a Registered Participant or AEMO, information which is or has been provided to that Registered Participant or AEMO under or in connection with the Rules and which is stated under the Rules, or by AEMO, the AER or the AEMC, to be confidential information or is otherwise confidential or commercially sensitive. It also includes any information which is derived from such information.

Note:
In the context of Chapter 5A, the above definition has been displaced by a definition specifically applicable to that Chapter. See clause 5A.A.1.

congestion information resource
The information resource developed, published and amended from time to time by AEMO in accordance with rule 3.7A.

congestion information resource guidelines
Guidelines developed and published by AEMO in accordance with rules 3.7A(k) to (m).

congestion information resource objective
The objective of the congestion information resource which is set out in rule 3.7A(a).

connect, connected, connection
To form a physical link to or through a transmission network (including to a network connection asset or a dedicated connection asset that is physically linked to that transmission network) or distribution network.

Note
In the context of Chapter 5A, the above definition has been displaced by a definition specifically applicable to that Chapter. See clause 5A.A.1.

connection agreement
An agreement between a Network Service Provider and a Registered Participant or other person by which the Registered Participant or other person is connected to the Network Service Provider's transmission or distribution network and/or receives transmission services or distribution services. In some participating jurisdictions, the Registered Participant or other person may have one connection agreement with a Network Service Provider for connection services and another agreement with a different Network Service Provider for network services provided by the transmission network.

connection alteration
Has (in the context of Chapters 5A and 7A) the meaning given in clause 5A.A.1.

Connection Applicant
A person who wants to establish or modify connection to a transmission network or distribution network and/or who wishes to receive network services and who makes a connection enquiry as described in clause 5.3.2 or clause 5.3A.5.

In respect of establishing or modifying a connection to a transmission network of a Primary Transmission Network Service Provider, a Connection Applicant includes:
(a) a person seeking to connect its facilities to a dedicated connection asset that is or will be connected to the transmission network of that Primary Transmission Network Service Provider; and

(b) a person seeking to negotiate a network operating agreement for a third party IUSA.

Note
A person seeking access to large DCA services from a third party DCA under an access policy may also need to negotiate with the Primary Transmission Network Service Provider.

In the context of Chapter 5A, the above definition has been displaced by a definition specifically applicable to that Chapter. See clause 5A.A.1.

connection application
Has (in the context of Chapter 5A) the meaning given in clause 5A.A.1.

connection assets
For the declared transmission system of an adoptive jurisdiction, and a distribution system, those components of a transmission or distribution system which are used to provide connection services.

For other transmission systems, dedicated connection assets and network connection assets.

Note
A third party DCA is a connection asset but for the purpose of registration under Chapter 2 also constitutes a transmission system.

connection charge
Has the meaning given in clause 5A.A.1.

connection charge guidelines
Has the meaning given in clause 5A.E.3.

connection charge principles
Has the meaning given in clause 5A.E.1.

connection contract
Has (in the context of Chapters 5A and 7A) the meaning given in clause 5A.A.1.

connection offer
Has (in the context of Chapter 5A) the meaning given in clause 5A.A.1.

connection point
The agreed point of supply established between Network Service Provider(s) and another Registered Participant, Non-Registered Customer or franchise customer.

connection policy
Has the meaning given in clause 5A.A.1.

connection service
An entry service (being a service provided to serve a Generator or a group of Generators, or a Network Service Provider or a group of Network Service Providers, at a single connection point) or an exit service (being a service
provided to serve a Transmission Customer or Distribution Customer or a group of Transmission Customers or Distribution Customers, or a Network Service Provider or a group of Network Service Providers, at a single connection point).

**Note:**
In the context of Chapter 5A and Part DA of Chapter 6, the above definition has been displaced by a definition specifically applicable to that Chapter. See clause 5A.A.1.

**considered project**

(a) In respect of a transmission network augmentation, a project that meets the following criteria:

   (1) the Network Service Provider has acquired the necessary land and easements;

   (2) the Network Service Provider has obtained all necessary planning and development approvals;

   (3) as applicable:

      (i) the augmentation project has passed the regulatory investment test for transmission;

      (ii) the augmentation has passed the regulatory investment test for distribution;

      (iii) in respect of a transmission investment which has not been subject to a regulatory investment test for transmission or the regulatory investment test for distribution, an intention to proceed with the project has been published in the Network Service Provider's Transmission Annual Planning Report or Distribution Annual Planning Report (as the case may be); or

   (4) construction has either commenced or the Network Service Provider has set a firm date for it to commence.

(b) In respect of a distribution network augmentation, a project that meets the following criteria:

   (1) the Network Service Provider has acquired the necessary land and easements;

   (2) the Network Service Provider has obtained all necessary planning and development approvals; and

   (3) construction has either commenced or the Network Service Provider has set a firm date for it to commence.

**constrained off**

In respect of a generating unit, the state where, due to a constraint on a network, the output of that generating unit is limited below the level to which it would otherwise have been dispatched by AEMO on the basis of its dispatch offer.

**constrained on**

In respect of a generating unit, the state where, due to a constraint on a network or in order to provide inertia network services under an inertia services agreement or system strength services under a system strength services agreement, the output of
that generating unit is limited above the level to which it would otherwise have been dispatched by AEMO on the basis of its dispatch offer.

**constraint, constrained**

A limitation on the capability of a network, load or a generating unit such that it is unacceptable to either transfer, consume or generate the level of electrical power that would occur if the limitation was removed.

**consulting party**

The person who is required to comply with the Rules consultation procedures.

**Consumer Member**

A person appointed by AEMO as a Member to represent small customers in accordance with the Rules (including clause 7.17.10(b)).

**contestable**

(a) In relation to transmission services a service which is permitted by the laws of the relevant participating jurisdiction to be provided by more than one Transmission Network Service Provider as a contestable service or on a competitive basis.

(b) In relation to distribution services, a service which is permitted by the laws of the relevant participating jurisdiction to be provided by more than one Distribution Network Service Provider as a contestable service or on a competitive basis.

**Note:**

In the context of Chapter 5A, the above definition has been displaced by a definition specifically applicable to that Chapter. See clause 5A.A.1.

**contestable IUSA components**

Those components of the identified user shared asset that satisfy the criteria set out in clause 5.2A.4(c).

**contingency capacity reserve**

Actual active and reactive energy capacity, interruptible load arrangements and other arrangements organised to be available to be utilised on the actual occurrence of one or more contingency events to allow the restoration and maintenance of power system security.

**contingency capacity reserve standards**

The standards set out in the power system security standards to be used by AEMO to determine the levels of contingency capacity reserves necessary for power system security.

**contingency event**

An event described in clause 4.2.3(a).

**contingent project**

In relation to a distribution determination, a proposed contingent project that is determined by the AER, in accordance with clause 6.6A.1(b), to be a contingent project for the purposes of that distribution determination.
In relation to a revenue determination, has the meaning given in clause 6A.8.1A.

**continuous uninterrupted operation**

In respect of a generating system or generating unit operating immediately prior to a power system disturbance:

(a) not disconnecting from the power system except under its performance standards established under clauses S5.2.5.8 and S5.2.5.9;

(b) during the disturbance contributing active and reactive current as required by its performance standards established under clause S5.2.5.5;

(c) after clearance of any electrical fault that caused the disturbance, only substantially varying its active power and reactive power as required or permitted by its performance standards established under clauses S5.2.5.5, S5.2.5.11, S5.2.5.13 and S5.2.5.14; and

(d) not exacerbating or prolonging the disturbance or causing a subsequent disturbance for other connected plant, except as required or permitted by its performance standards, with all essential auxiliary and reactive plant remaining in service.

**control centre**

The facilities used by NTESMO for managing power system security and administering a market.

**control system**

Means of monitoring and controlling the operation of the power system or equipment including generating units connected to a transmission or distribution network.

**cooling off period**

Has the same meaning as in rule 47(2) of the NERR.

**Co-ordinated Universal Time (UTC)**

The time as determined by the International Bureau of Weights and Measures and maintained under section 8AA of the National Measurement Act.

**Co-ordinating Network Service Provider**

A Network Service Provider appointed by multiple Transmission Network Service Providers to allocate AARR in accordance with rule 6A.29.

**Cost Allocation Guidelines**

For a Transmission Network Service Provider – the guidelines referred to in clause 6A.19.3.

For a Distribution Network Service Provider – the guidelines referred to in clause 6.15.3.

**Cost Allocation Method**

For a Distribution Network Service Provider, the Cost Allocation Method approved by the AER for that Distribution Network Service Provider under clause 6.15.4(c) and (d) as amended from time to time in accordance with clause 6.15.4(f) and (g).
**Cost Allocation Methodology**

For a *Transmission Network Service Provider*, the Cost Allocation Methodology approved or taken to be approved by the *AER* for that *Transmission Network Service Provider* under clauses 6A.19.4(c) and (d) as amended from time to time in accordance with clauses 6A.19.4(f) and (g).

**Cost Allocation Principles**

For a *Transmission Network Service Provider* – the principles set out in clause 6A.19.2.

For a *Distribution Network Service Provider* – the principles set out in clause 6.15.2.

**Cost reflective network pricing methodology or CRNP methodology**

The cost allocation methodology set out in clause S6A.3.2.

**CPI**

As at a particular time, the Consumer Price Index: All Groups Index Number, weighted average of eight capital cities published by the Australian Bureau of Statistics for the most recent quarter that precedes that particular time and for which the index referred to has been published by the Australian Bureau of Statistics as at that time. If that index ceases to be published or is substantially changed, *CPI* will be such other index as is determined by the *AER* as a suitable benchmark for recording general movements in prices.

**credible contingency event**

An event described in clause 4.2.3(b), certain examples of which are set out in schedule 5.1.

**credit support**

For the purposes of Chapter 3—an obligation owed to *AEMO* by a third party supporting the obligations of a *Market Participant* and having the characteristics required by clause 3.3.2.

For the purposes of Chapter 6B—a security supporting the obligations of a *retailer* to a *Distribution Network Service Provider* under Chapter 6B.

**credit support provider**

The issuing party that assumes obligations to *AEMO* pursuant to a *credit support*.

**cumulative price threshold**

The threshold for imposition of an *administered price cap* as defined in clause 3.14.1.

**current rating**

The maximum current that may be permitted to flow (under defined conditions) through a *transmission line* or *distribution line* or other item of equipment that forms part of a *power system*. 
current transformer (CT)

A transformer for use with meters and/or protection devices in which the current in the secondary winding is, within prescribed error limits, proportional to and in phase with the current in the primary winding.

Customer

A person who:

(a) under Part 3 of the Electricity Reform Act (NT), holds a licence authorising the selling of electricity; but

(b) does not hold a licence authorising the ownership or operation of an electricity network under that Part.

customer authorised representative

A person authorised by a retail customer to request and receive information under Chapter 7A on the retail customer's behalf.

customer connection service

Has (in the context of Chapter 6B) the meaning given in clause 6B.A1.2.

Customer transmission use of system, Customer transmission use of system, Customer transmission use of system service

A service provided to a Transmission Network User for use of the transmission network for the conveyance of electricity that can be reasonably allocated to a Transmission Network User on a locational basis, but does not include Generator transmission use of system services.

date of issue

Has (in the context of Chapter 6B) the meaning given in clause 6B.A1.2.

day

Unless otherwise specified, the 24 hour period beginning and ending at midnight Australian Central Standard Time.

declared NEM project

A project determined to be a declared NEM project under clause 2.11.1(ba) or 2.11.1(bd), for which there is special treatment in the timing of cost recovery.

declared network functions

Has the meaning given in the National Electricity Law.

declared shared network

Has the meaning given in the National Electricity Law.

declared transmission system

Has the meaning given in the National Electricity Law.

declared transmission system operator

Has the meaning given in the National Electricity Law.
decommission, decommit

In respect of a generating unit, ceasing to generate and disconnecting from a network.

dedicated connection asset

The apparatus, equipment, plant and buildings that:

(a) are used for the purpose of connecting an identified user group to an existing transmission network;

(b) are used exclusively by the identified user group;

(c) can be electrically isolated from the transmission network without affecting the provision of shared transmission services to persons who are not members of the identified user group; and

(d) are not:

(1) network connection assets;

(2) part of a generating system;

(3) part of a distribution system;

(4) part of a transmission system for which a Market Network Service Provider is registered under Chapter 2;

(5) part of a Transmission Customer's facility that utilises electrical energy; or

(6) part of the declared transmission system of an adoptive jurisdiction.

Note

Where a Primary Transmission Network Service Provider is registered in respect of a dedicated connection asset operating at distribution voltage, it will not be a distribution system and will constitute part of its transmission system for which it is registered. See definitions of distribution system and transmission system.

Dedicated Connection Asset Service Provider

A Transmission Network Service Provider to the extent that it owns or operates a dedicated connection asset in accordance with a licence under the Electricity Reform Act 2000 (NT).

default dispatch bid

A dispatch bid made pursuant to clause 3.8.9.

default dispatch offer

A dispatch offer made pursuant to clause 3.8.9.

default event

An event defined as such in clause 3.15.21(a).

default notice

A notice issued by AEMO pursuant to clause 3.15.21(b)(1).

default rate

Has (in the context of Chapter 6B) the meaning given in clause 6B.A1.2.
**defaulting Market Participant**

A Market Participant in relation to which a default event has occurred.

**delayed lower service**

The service of providing, in accordance with the market ancillary service specification, the capability of controlling the level of generation or load associated with a particular facility in response to a change in the frequency of the power system beyond a threshold or in accordance with electronic signals from AEMO in order to lower that frequency to within the normal operating frequency band.

**delayed raise service**

The service of providing, in accordance with the market ancillary service specification, the capability of controlling the level of generation or load associated with a particular facility in response to a change in the frequency of the power system beyond a threshold or in accordance with electronic signals from AEMO in order to raise that frequency to within the normal operating frequency band.

**delayed response capacity reserve**

That part of the contingency capacity reserve capable of realisation within 5 minutes of a major frequency decline in the power system as described further in the power system security standards.

**delayed service**

A delayed raise service or a delayed lower service.

**demand based price**

A price expressed in dollars per kilowatt per time period or dollars per kilovolt ampere per time period.

**demand management incentive scheme**

A scheme developed and published by the AER under clause 6.6.3.

**demand management incentive scheme objective**

Has the meaning given to it by clause 6.6.3(b).

**demand management innovation allowance mechanism**

A mechanism developed and published by the AER under clause 6.6.3A or 6A.7.6, as the case may be.

**demand management innovation allowance objective**

Has the meaning given to it by clause 6.6.3A(b) or 6A.7.6(b), as the case may be.

**demand side participation information**

Information referred to in clause 3.7D(e)(1).

**deprival value**

A value ascribed to assets which is the lower of economic value or optimised depreciated replacement value.
**DER generation information**

Standing data in relation to a small generating unit.

**DER register**

The register established and maintained by AEMO in accordance with rule 3.7E.

**DER register information**

The information contained in the DER register.

**DER register information guidelines**

Guidelines made, amended and published by AEMO in accordance with clauses 3.7E(g) to (k).

**DER register report**

The report of aggregated DER register information required to be developed and published by AEMO under clause 3.7E(l).

**designated pricing proposal charges**

Any of the following:

(a) charges for designated pricing proposal services;

(b) avoided Customer TUOS charges;

(c) charges for distribution services provided by another Distribution Network Service Provider, but only to the extent those charges comprise:

   (1) charges incurred by that Distribution Network Service Provider for designated pricing proposal services; or

   (2) charges for standard control services;

(d) charges or payments specified in rule 11.39.

**designated pricing proposal services**

Any of the following services:

(a) prescribed exit services;

(b) prescribed common transmission services; and

(c) prescribed TUOS services.

**de-synchronising / de-synchronisation**

The act of disconnection of a generating unit from the connection point with the power system, normally under controlled circumstances.

**direct control service**

A distribution service that is a direct control network service within the meaning of section 2B of the Law.

**Directed Participant**

A Scheduled Generator, Semi-Scheduled Generator, Market Generator, Market Ancillary Service Provider, Scheduled Network Service Provider or Market Customer the subject of a direction.
**direction**

Has the meaning given in clause 4.8.9(a1)(1).

**directional interconnector**

Has the meaning given in clause 3.18.1(c).

**Disclosee**

In relation to a Registered Participant, a person to whom that Registered Participant discloses confidential information.

**disconnect, disconnected, disconnection**

The operation of switching equipment or other action so as to prevent the flow of electricity at a connection point.

**Discretionary Member**

A person appointed as a Member by AEMO to represent a class or classes of persons who have an interest in the B2B Procedures in accordance with the Rules (including clause 7.17.10(d)).

**dispatch**

The act of initiating or enabling all or part of the response to an instruction issued to a Generator to synchronise, supply ancillary services, or supply energy.

**dispatch algorithm**

The algorithm used to determine central dispatch developed by AEMO in accordance with clause 3.8.1(d).

**dispatch bid**

A notice submitted by a Market Participant to AEMO relating to the dispatch of a scheduled load in accordance with clause 3.8.7.

**dispatch inflexibility profile**

Data which may be provided to AEMO by Market Participants, in accordance with clause 3.8.19, to specify dispatch inflexibilities in respect of scheduled loads or scheduled generating units which are not slow start generating units.

**dispatch instruction**

An instruction given to a Registered Participant under clauses 4.9.2, 4.9.2A, 4.9.3, 4.9.3A, or to an NMAS provider under clause 4.9.3A.

**dispatch interval**

A period defined in clause 3.8.21(a1) in which the dispatch algorithm is run in accordance with clause 3.8.21(b).

**dispatch level**

Means:

(1) for a semi-dispatch interval, the amount of electricity specified in a dispatch instruction as the semi-scheduled generating unit's maximum permissible active power at the end of the dispatch interval specified in the dispatch instruction; and
(2) for a non semi-dispatch interval, an estimate of the active power at the end of the dispatch interval specified in the dispatch instruction.

**dispatch offer**

A generation dispatch offer or a network dispatch offer.

**dispatch offer price**

The price submitted by a Scheduled Generator, Semi-Scheduled Generator or a Scheduled Network Service Provider for a price band and a trading interval in a dispatch offer.

**dispatch price**

The price determined for each regional reference node by the dispatch algorithm each time it is run by AEMO.

**dispatchable unit identifier**

An unique reference label allocated by AEMO for each scheduled generating unit, semi-scheduled generating unit, scheduled load, and scheduled network service.

**dispatched generating unit**

A scheduled generating unit which has received instructions from AEMO in accordance with a dispatch schedule.

**dispatched generation**

The generation which has been dispatched as part of central dispatch.

**dispatched Generator**

A Generator who has received a dispatch instruction from AEMO.

**dispatched load**

The load which has been dispatched as part of central dispatch.

**dispute management system**

The dispute management system which each Registered Participant and AEMO must adopt in accordance with clause 8.2.3.

**dispute resolution panel**

A dispute resolution panel established pursuant to clause 8.2.6A.

**distribution**

Activities pertaining to a distribution system including the conveyance of electricity through that distribution system.

**Distribution Annual Planning Report**

A report prepared by a Distribution Network Service Provider under clause 5.13.2.

**Distribution Confidentiality Guidelines**

Guidelines made by the AER under clause 6.14A.
distribution connection assets

Those components of the distribution system which are used to provide connection services to a Distribution Network User or a group of Distribution Network Users or a Network Service Provider or a group of Network Service Providers.

distribution consultation procedures

The procedures set out in Part G of Chapter 6.

Distribution Customer

A Customer, Distribution Network Service Provider, Non-Registered Customer, franchise customer, or retail customer having a connection point with a distribution network.

distribution line

A power line, including underground cables, that is part of a distribution network.

distribution loss factor

An average loss factor calculated according to clause 3.6.3 or, in the case of child connection points, in accordance with guidelines developed by the AER under clause 2.5.1(d) and the ENM service level procedures.

distribution losses

Electrical energy losses incurred in distributing electricity over a distribution network.

distribution network

A network which is not a transmission network.

distribution network connection point

A connection point on a distribution network.

Distribution Network Service Provider

A person who:

(a) engages in the activity of owning, controlling, or operating a distribution system; and

(b) under Part 3 of the Electricity Reform Act (NT), holds a licence authorising the ownership or operation of an electricity network.

Distribution Network Service Provider Member

A person nominated and elected as a Member by Distribution Network Service Providers to represent Distribution Network Service Providers in accordance with the Rules (including clause 7.17.10(e)) and Information Exchange Committee Election Procedures.

Distribution Network User

A Distribution Customer or an Embedded Generator.

distribution network user access

The power transfer capability of the distribution network in respect of:
(a) generating units or a group of generating units; and
(b) network elements,

at a connection point which has been negotiated in accordance with rules 5.3, 5.3A and 5.3AA.

Note:
For the avoidance of doubt, distribution network user access extends to the transmission network for the purposes of Chapter 6.

**Distribution Reliability Measures Guidelines**
Guidelines made by the AER under clause 6.28.

**Distribution Ring-Fencing Guidelines**
The guidelines developed by the AER under clause 6.17.2.

**distribution service**
A service provided by means of, or in connection with, a distribution system.

**distribution services access dispute**
A dispute referred to in clause 6.22.1.

**Distribution Service Classification Guidelines**
Guidelines developed, maintained and published by the AER under clause 6.2.3A.

**distribution standard control service revenue**
Has the meaning given in rule 6.26(b)(2).

**distribution system**
Means:
(a) a distribution network, together with the connection assets associated with the distribution network, which is connected to another transmission or distribution system within the other participating jurisdictions; or
(b) a distribution network that forms part or all of a local electricity system, together with the connection assets associated with the distribution network.

Connection assets on their own do not constitute a distribution system.

**Distribution System Operator**
A person who is responsible, under the Rules or otherwise, for controlling or operating any portion of a distribution system (including being responsible for directing its operations during power system emergencies) and who is registered by AEMO as a Distribution System Operator under Chapter 2.

**distribution use of system, distribution use of system service**
A service provided to a Distribution Network User for use of the distribution network for the conveyance of electricity that can be reasonably allocated on a locational and/or voltage basis.

**DMS**
A dispute management system.
**DMS Contact**

A person appointed by a *Registered Participant* or *AEMO* pursuant to its *DMS* to be the first point of contact for the notification of disputes under clause 8.2.

**DMS referral notice**

A notice served on a *DMS Contact* pursuant to clause 8.2.4(a).

**DRP**

A *dispute resolution panel*.

**dual function asset**

Means any part of a *network* owned, operated or controlled by a *Distribution Network Service Provider* which operates between 66 kV and 220 kV and which operates in parallel, and provides support, to the higher voltage *transmission network* which is deemed by clause 6.24.2(a) to be a *dual function asset*. For the avoidance of doubt:

(a) a *dual function asset* can only be an asset which forms part of a *network* that is predominantly a *distribution network*; and

(b) an asset which forms part of a *network* which is predominantly a *transmission network* cannot be characterised as a *dual function asset*, through the operation of clause 6.24.2(a).

**due date for payment**

Has (in the context of Chapter 6B) the meaning given in clause 6B.A1.2.

**dynamic performance**

The response and behaviour of *networks* and *facilities* which are *connected* to the *networks* when the *satisfactory operating state* of the *power system* is disturbed.

**EAAP guidelines**

The guidelines *published* by *AEMO* in accordance with clause 3.7C(k) that *AEMO* must comply with in preparing the *EAAP*.

**EAAP principles**

The principles referred to in clause 3.7C(b) that *AEMO* must comply with in preparing the *EAAP* and the *EAAP guidelines*.

**Eastern Standard Time (EST)**

The time which is set at 10 hours in advance of *Co-ordinated Universal Time*.

**EFCS settings schedule**

The schedules developed by *AEMO* for each *participating jurisdiction* in accordance with clause 4.3.2(h)(2) specifying the settings for *emergency frequency control schemes* affecting *regions* in the *participating jurisdiction*.

**efficiency benefit sharing scheme**

For a *Transmission Network Service Provider* – a scheme developed and *published* by the *AER* under clause 6A.5.
For a Distribution Network Service Provider – a scheme developed and published by the AER under clause 6.5.8.

**efficiency benefit sharing scheme parameters**

For an efficiency benefit sharing scheme, those parameters that are published by the AER in respect of that scheme pursuant to clause 6A.6.5(c).

**electrical energy loss**

Energy loss incurred in the production, transportation and/or use of electricity.

**electrical sub-network**

A part of the national grid determined by AEMO in accordance with clause 3.11.8.

**Electricity Procedures**

Procedures made under these Rules including:

(a) Retail Market Procedures; and
(b) procedures governing the operation of the National Electricity Market; and
(c) RoLR procedures for electricity; and
(d) procedures dealing with any other subject on which these Rules empower the making of procedures.

**electricity retail supply code**

The Electricity Retail Supply Code made by the Utilities Commission under section 24 of the Utilities Commission Act 2000 (NT) (as published by the Utilities Commission from time to time).

**electronic communication system**

Includes the electronic communication and the electronic data transfer system provided to Registered Participants by AEMO.

**electronic data transfer**

The transfer of data by electronic means from one location to another.

**eligible pass through amount**

In respect of a positive change event for a Transmission Network Service Provider, the increase in costs in the provision of prescribed transmission services that, as a result of that positive change event, the Transmission Network Service Provider has incurred and is likely to incur (as opposed to the revenue impact of that event) until:

(a) unless paragraph(b) applies – the end of the regulatory control period in which the positive change event occurred; or

(b) if the transmission determination for the regulatory control period following that in which the positive change event occurred does not make any allowance for the recovery of that increase in costs (whether or not in the forecast operating expenditure or forecast capital expenditure accepted or substituted by the AER for that regulatory control period) – the end of the regulatory control period following that in which the positive change event occurred.
In respect of a positive change event for a Distribution Network Service Provider, the increase in costs in the provision of direct control services that, as a result of that positive change event, the Distribution Network Service Provider has incurred and is likely to incur (as opposed to the revenue impact of that event) until:

(a) unless paragraph (b) applies – the end of the regulatory control period in which the positive change event occurred; or

(b) if the distribution determination for the regulatory control period following that in which the positive change event occurred does not make any allowance for the recovery of that increase in costs (whether or not in the forecast operating expenditure or forecast capital expenditure accepted or substituted by the AER for that regulatory control period) – the end of the regulatory control period following that in which the positive change event occurred.

In respect of an NT positive change event for a Distribution Network Service Provider, the increase in costs in the provision of direct control services or NT equivalent services that, as a result of that NT positive change event, the Distribution Network Service Provider has incurred and is likely to incur (as opposed to the revenue impact of that event) until the end of the 1st regulatory control period.

Note:
The modification to this definition expires on 1 July 2024.

eligible person
Has the meaning given in clause 3.18.2(b).

embedded generating unit
A generating unit connected within a distribution network and not having direct access to the transmission network.

Embedded Generator
A Generator who owns, operates or controls an embedded generating unit.

Note:
In the context of Chapter 5A, the above definition has been displaced by the definition "embedded generator" specifically applicable to that Chapter. See clause 5A.A.1.

embedded network
A distribution system that is connected to a distribution system controlled or operated by the Local Network Service Provider (other than a distribution system that is owned, controlled or operated by the Local Network Service Provider).

embedded network management services
Services that involve carrying out the roles, discharging the responsibilities and complying with the obligations of an Embedded Network Manager under the Rules and procedures authorised under the Rules.

Embedded Network Manager
A person:
(a) who meets the requirements listed in schedule 7.7 and has been accredited and registered by AEMO as an Embedded Network Manager; and

(b) who has not been deregistered by AEMO as an Embedded Network Manager under clause 7.4.4(d).

**emergency frequency control scheme**

Facilities for initiating automatic load shedding or automatic generation shedding to prevent or arrest uncontrolled increases or decreases in frequency (alone or in combination) leading to cascading outages or major supply disruptions.

**emergency priority procedures**

The procedures developed and published by AEMO in accordance with clause 7.8.5(b).

**emission factor**

The factor representing the amount of greenhouse gas emissions per unit of electricity (t CO$_2$-e/MWh) of energy produced by each power station.

**enabled, enable**

A market ancillary service is enabled when AEMO has selected the relevant generating unit or load for the provision of the market ancillary service and has notified the relevant Market Participant accordingly.

An inertia network service is enabled when AEMO has selected the relevant inertia network service and the service is providing inertia to an inertia sub-network.

An activity approved by AEMO under clause 5.20B.5(a) is enabled when AEMO has selected the relevant activity and the activity is performing and available in accordance with any conditions of that approval.

A system strength service is enabled when AEMO has selected the relevant system strength service and the service is contributing to the three phase fault level at the relevant fault level node.

**enablement limit**

In relation to any market ancillary service offer, the level of associated generation or load (in MW) above or below which no response is specified as being available.

**enabling price**

Has the meaning given in clause 3.8.7A(d).

**energise/energisation**

The act of operation of switching equipment or the start-up of a generating unit, which results in there being a non-zero voltage beyond a connection point or part of the transmission or distribution network.

**energy**

Active energy and/or reactive energy.
energy adequacy assessment projection (EAAP)

A projection of AEMO’s assessment of energy availability that accounts for energy constraints for each month over a 24 month period, which is prepared and published in accordance with rule 3.7C and is measured as unserved energy for each region.

energy based price

A price expressed in cents per kilowatt hour of energy.

energy constrained scheduled generating unit

A scheduled generating unit in respect of which the amount of electricity it is capable of supplying on a trading day is less than the amount of electricity it would supply on that trading day if it were dispatched to its full nominated availability for the whole trading day.

energy constrained scheduled load

A scheduled load in respect of which the amount of electricity it can take in a trading day, if normally off, or it can off-load, if normally on, is constrained.

energy constraint

A limitation on the ability of a generating unit or group of generating units to generate active power due to the restrictions in the availability of fuel or other necessary expendable resources such as, but not limited to, gas, coal, or water for operating turbines or for cooling.

energy conversion model

The model that defines how the intermittent input energy source (such as wind) is converted by the semi-scheduled generating unit into electrical output. That model must contain the information set out in the guidelines published by AEMO in accordance with clause 2.2.7(d).

energy data

Interval energy data or accumulated energy data.

energy laws

Means:
(a) the national electricity legislation as defined in the National Electricity Law;
(b) these Rules and instruments made under these Rules;
(c) the national gas legislation as defined in the National Gas (NT) Law;
(d) the National Gas Rules as defined in the National Gas (NT) Law and instruments made under those Rules; and
(e) any other Northern Territory legislation that regulates energy.

Note:
The modifications to this definition expire when the National Energy Retail Law is applied as a law of this jurisdiction.
**energy ombudsman**

The person holder or occupying the office of Ombudsman for the Northern Territory established by section 9 of the Ombudsman Act 2009 (NT).

**energy support arrangement**

A contractual arrangement between a Generator or Network Service Provider on the one hand, and a customer or participating jurisdiction on the other, under which facilities not subject to an ancillary services agreement for the provision of system restart ancillary services are used to assist supply to a customer during a major supply disruption affecting that customer, or customers generally in the participating jurisdictions, as the case may be.

**ENM conditions**

An Exempt Embedded Network Service Provider must:

(a) act as the Embedded Network Manager for the relevant embedded network; or

(b) engage an Embedded Network Manager to provide embedded network management services for the relevant embedded network; and

(c) enter into an agreement with an Embedded Network Manager for the provision of embedded network management services where that person has engaged an Embedded Network Manager under paragraph (b).

**ENM conditions trigger**

In relation to a small customer, when the small customer enters a market retail contract for the sale of energy at the relevant child connection point and the cooling off period in relation to that contract has expired.

In relation to a large customer, when the large customer has entered a contract for the sale of energy at the relevant child connection point.

**ENM service level procedures**

The procedures established by AEMO in accordance with clause 7.16.6A.

**enquiry**

Has (in the context of Chapter 5A) the meaning given in clause 5A.A.1

**entry charge**

The charge payable by an Embedded Generator to a Distribution Network Service Provider for an entry service at a distribution network connection point.

**entry cost**

For each distribution network connection point, the amount of the aggregate annual revenue requirement for all individual assets classified as entry service assets which provide entry service for the connection point.

**entry service**

A service provided to serve a Generator or a group of Generators, or a Network Service Provider or a group of Network Service Providers, at a single connection point.
EN wiring information

Panel layouts and wiring diagrams relevant to an embedded network.

estimated metering data

The estimated values of accumulated metering data, interval metering data or calculated metering data that have been prepared in accordance with schedule 7A.7. Estimated metering data is held in a metering data services database.

excitation control system

In relation to a generating unit, the automatic control system that provides the field excitation for the generator of the generating unit (including excitation limiting devices and any power system stabiliser).

Exempt Embedded Network Service Provider

A person who engages in the activity of owning, controlling or operating an embedded network under an exemption granted or deemed to be granted by the AER under section 13 of the National Electricity Law and clause 2.5.1(d).

exemption application

Has the meaning given in clause 6.4B.2(a).

exit charge

The charge payable by a Distribution Customer to a Distribution Network Service Provider for exit service at a distribution network connection point.

exit cost

For each distribution network connection point, the amount of the aggregate annual revenue requirement for all individual assets classified as exit service assets which provide exit service for the connection point.

exit service

A service provided to serve a Transmission Customer or Distribution Customer or a group of Transmission Customers or Distribution Customers, or a Network Service Provider or a group of Network Service Providers, at a single connection point.

expected closure year

Has the meaning given in clause 2.2.1(e)(2A).

expenditure for a restricted asset

Capital expenditure for a restricted asset, excluding capital expenditure for the refurbishment of that asset.

Expenditure Forecast Assessment Guidelines

Guidelines made by the AER under clause 6.4.5(a) or clause 6A.5.6(a), as the case may be.

extension

An augmentation that requires the connection of a power line or facility outside the present boundaries of the transmission or distribution network owned, controlled or operated by a Network Service Provider.
external administration default event

A default event of a type referred to in subparagraphs 3.15.21(a)(10) or (11).

extreme frequency excursion tolerance limits

In relation to the frequency of the power system, means the limits so described and specified in the power system security standards.

facilities

A generic term associated with the apparatus, equipment, buildings and necessary associated supporting resources provided at, typically:

(a) a power station or generating unit;

(b) a substation or power station switchyard;

(c) a control centre (being an NTESMO control centre, or a distribution or transmission network control centre);

(d) facilities providing an exit service.

failed retailer

Has the meaning given in the National Energy Retail Law.

fast lower service

The service of providing, in accordance with the requirements of the market ancillary service specification, the capability of rapidly controlling the level of generation or load associated with a particular facility in response to the locally sensed frequency of the power system in order to arrest a rise in that frequency.

fast raise service

The service of providing, in accordance with the requirements of the market ancillary service specification, the capability of rapidly controlling the level of generation or load associated with a particular facility in response to the locally sensed frequency of the power system in order to arrest a fall in that frequency.

fault clearance time

In respect of a fault type, the time within which the protection system is designed, operated and maintained to clear a short circuit fault of that fault type within its protection zone.

fault level node

A location on a transmission network that AEMO determines is a fault level node in its determination of system strength requirements under clause 5.20C.1(a).

fault level shortfall

A shortfall in the three phase fault level typically provided at a fault level node in a region (having regard to typical patterns of dispatched generation in central dispatch) compared to the minimum three phase fault level most recently determined by AEMO for the fault level node.

fault level shortfall event

A Transmission Network Service Provider is required to make system strength services available under clause 5.20C.3 as a consequence of an assessment by
AEMO under clause 5.20C.2(c) that there is a fault level shortfall at a fault level node in a region for which the Transmission Network Service Provider is the System Strength Service Provider or to cease making system strength services available under clause 5.20C.3 as a consequence of an assessment by AEMO under clause 5.20C.2(d) that a fault level shortfall at a fault level node has ceased and:

(a) the Transmission Network Service Provider is required to provide, or cease providing, system strength services during the course of a regulatory control period; and

(b) making system strength services available or ceasing to make system strength services available materially increases or materially decreases the Transmission Network Service Provider's costs of providing prescribed transmission services.

fault type

One of the following types of electrical fault:

(a) three phase to ground fault;

(b) three phase fault;

(c) two phase to ground fault;

(d) phase to phase fault; and

(e) one phase to ground fault.

final statement

A statement issued by AEMO under clause 3.15.15 to a Market Participant.

financial year

A period commencing on 1 July in one calendar year and terminating on 30 June in the following calendar year.

financially responsible

In relation to a connection point, a term which is used to describe the person authorised to have either:

1. the load connected at that connection point; or

2. the generating unit connected at that connection point.

Note:

The obligations on Customers (including retailers) and Generators in relation to the authorisation of, respectively, load or generating units connected at a connection point will be considered as part of the phased implementation of the Rules in this jurisdiction.

First-Tier Customer

A Customer which has classified any load as a first-tier load in accordance with Chapter 2.

first-tier load

Electricity purchased at a connection point directly and in its entirety from the Local Retailer and which is classified as a first-tier load in accordance with Chapter 2.
forecast reliability gap

Has the meaning given in the National Electricity Law and as determined in accordance with clause 4A.A.2.

former Chapter 6A

Chapter 6A of the Rules as in force immediately prior to the commencement of Schedules 1, 2, 4, 5 and 6 of the National Electricity Amendment (Transmission Connection and Planning Arrangements) Rule 2017 No.4 and which is applicable for a declared transmission system of an adoptive jurisdiction under clause 11.98.8, as amended from time to time.

framework and approach paper

A document prepared and issued as a framework and approach paper under clause 6.8.1.

franchise customer

A person who does not meet its local jurisdiction requirements to make it eligible to be registered by AEMO as a Customer for a load.

Note:

There are no franchise customers in this jurisdiction.

frequency

For alternating current electricity, the number of cycles occurring in each second. The term Hertz (Hz) corresponds to cycles per second.

frequency operating standard

The standards which specify the frequency levels for the operation of the power system set out in the power system security standards.

frequency response mode

The mode of operation of a generating unit which allows automatic changes to the generated power when the frequency of the power system changes.

fully co-optimised network constraint formulation

A network constraint equation formulation that allows AEMO, through direct physical representation, to control all the variables within the equation that can be determined through the central dispatch process. Some variables may not be included in accordance with clause 3.8.10(c) of the Rules if control of such variables would not materially enhance the security of the power system due to the small size of their coefficients.

funded augmentation

A transmission network augmentation for which the Transmission Network Service Provider is not entitled to receive a charge pursuant to Chapter 6.

GELF parameters

Variable parameters specific to a Generator Energy Limitation Framework (GELF) which are defined in the EAAP guidelines and supplement the GELF, and are submitted by a Scheduled Generator and updated in accordance with rule 3.7C for the purpose of the EAAP.
general regulatory information order
Has the meaning given in the National Electricity Law.

generated
In relation to a generating unit, the amount of electricity produced by the generating unit as measured at its terminals.

generating plant
In relation to a connection point, includes all equipment involved in generating electrical energy.

generating system
(a) Subject to paragraph (b), for the purposes of the Rules, a system comprising one or more generating units.
(b) For the purposes of Chapter 5, a system comprising one or more generating units and includes auxiliary or reactive plant that is located on the Generator’s side of the connection point and is necessary for the generating system to meet its performance obligations.

generating unit
The plant used in the production of electricity and all related equipment essential to its functioning as a single entity.

generating unit minimum ramp rate requirement
(a) in relation to a generating unit that has not been aggregated in accordance with clause 3.8.3, the lower of 3MW/minute or 3% of the maximum generation provided in accordance with clause 3.13.3(b); or
(b) in relation to a generating unit that has been aggregated in accordance with clause 3.8.3, the lower of 3 MW/minute or 3% of the maximum generation provided in accordance with clause 3.13.3(b1), expressed as MW/minute rounded down to the nearest whole number except where this would result in the nearest whole number being zero, in which case the generating unit minimum ramp rate requirement is 1 MW/minute.

generation
The production of electrical power by converting another form of energy in a generating unit.

generation centre
A geographically concentrated area containing a generating unit or generating units with significant combined generating capability.

generation dispatch offer
A notice submitted by a Scheduled Generator or Semi-Scheduled Generator to AEMO relating to the dispatch of a scheduled generating unit or a semi-scheduled generating unit in accordance with clause 3.8.6.

generation information page
The information resource established, maintained and published by AEMO under rule 3.7F.
generation information guidelines
The guidelines developed, published and maintained by AEMO under clause 3.7F(e), or the interim generation information guidelines made and published by AEMO under clause 11.117.3(b), as applicable.

generation shedding
Disconnecting, or reducing the transfer of active power to the power system from, one or more generating systems or generating units.

Generator
A person who:
(a) engages in the activity of owning, controlling or operating a generating system that is connected to, or who otherwise supplies electricity to, a transmission or distribution system; and
(b) is a Registered Participant who, under Part 3 of the Electricity Reform Act 2000 (NT), holds a licence authorising the generation of electricity.

For the purposes of Chapter 5, the term includes a person who:
(a) is required or intends to hold a licence authorising the generation of electricity;
(b) is covered by an exemption from the requirement to hold a licence for the generation of electricity;
(c) is a non-registered embedded generator (as defined in clause 5A.A.1) who has made an election under clause 5A.A.2(c); or
(d) is a non-registered embedded generator (as defined in clause 5A.A.1) above the relevant materiality threshold (as defined in Chapter 5).

Generator Energy Limitation Framework (GELF)
A description of the energy constraints that affect the ability of a scheduled generating unit to generate electricity prepared in accordance with the EAAP guidelines.

Generator transmission use of system, Generator transmission use of system service
A service provided to a Generator for:
(a) [Deleted]
(b) use of a transmission investment for the conveyance of electricity that can be reasonably allocated to a Generator on a locational basis.

global market ancillary service requirement
Has the meaning given to it by clause 3.8.1(e2).

good electricity industry practice
The exercise of that degree of skill, diligence, prudence and foresight that reasonably would be expected from a significant proportion of operators of facilities forming part of the power system for the generation, transmission or supply of electricity under conditions comparable to those applicable to the relevant facility consistent with applicable regulatory instruments, reliability, safety and environmental protection. The determination of comparable conditions
is to take into account factors such as the relative size, duty, age and technological status of the relevant facility and the applicable regulatory instruments.

**high voltage (HV)**
A voltage greater than 1 kV.

**identified need**
The objective a Network Service Provider or a group of Network Service Providers seeks to achieve by investing in the network in accordance with the Rules or an Integrated System Plan.

**identified user group**
One or more persons (other than a Network Service Provider who is not a Market Network Service Provider) who, from time to time, are connected to a transmission network at the same single connection point.

**identified user shared asset**
The apparatus, equipment, plant and buildings that:

(a) are used for the purpose of connecting one or more identified user groups to an existing transmission network;

(b) are not used exclusively by the relevant identified user groups;

(c) under normal operating conditions, cannot be electrically isolated from the transmission network without affecting the provision of shared transmission services to persons who are not members of the relevant identified user groups; and

(d) are not part of the declared transmission system of an adoptive jurisdiction.

**Incoming Retailer**
A retailer that:

(a) that has a contract with a customer at a connection point; and

(b) has initiated the customer transfer process in accordance with the electricity retail supply code,

but which is not yet designated the financially responsible participant for that connection point.

**Independent Engineer**
A person appointed under rule 5.4.

**independent person**
A person who:

(a) is not a member, employee or member of staff of the AER or the AEMC;

(b) is not a director or employee of AEMO;

(c) is not a director or employee of, or partner in, a Registered Participant;

(d) does not have a direct or indirect financial interest (whether as shareholder, partner or other equity participant) in any Registered Participant or a related body corporate of any Registered Participant, other than an interest
of less than 0.1% of the net shareholders funds of that entity (as determined at the date the relevant person is appointed to carry out a function under the Rules); or

(e) is not a director or employee of a related body corporate of any Registered Participant.

**independently controllable two-terminal link**

A two-terminal link through which the power transfer can be independently controlled within a range determined by the power transfer capability of the two-terminal link and the conditions prevailing in the rest of the power system.

**indexed amount**

As at any time and in relation to a dollar value that is expressly set out in Part C of Chapter 6 or Part C of Chapter 6A, that dollar value multiplied by $\frac{\text{CPI}_a}{\text{CPI}_b}$

where:

- $\text{CPI}_a$ is the CPI as at that time; and
- $\text{CPI}_b$ is the Consumer Price Index: All Groups Index Number, weighted average of eight capital cities published by the Australian Bureau of Statistics for the quarter ending 30 June 2006.

**indicative pricing schedule**

For a Distribution Network Service Provider, means the schedule of indicative price levels as referred to in paragraph 6.18.1A(e).

**indicative reliability forecast**

For a region for a financial year in the last 5 years of a statement of opportunities, means the forecast of whether there is a forecast reliability gap for that region in that year.

**inertia**

Contribution to the capability of the power system to resist changes in frequency by means of an inertial response from a generating unit, network element or other equipment that is electro-magnetically coupled with the power system and synchronised to the frequency of the power system.

**inertia generating unit**

A generating unit registered with AEMO under clause 5.20B.6(b).

**inertia network service**

A service for the provision of inertia to a transmission system.

**Inertia Report**

A report published by AEMO under clause 5.20.5.

**inertia requirements**

The minimum threshold level of inertia and the secure operating level of inertia for an inertia sub-network determined by AEMO under clause 5.20B.2(a).
inertia requirements methodology

The process AEMO uses to determine the inertia requirements for each inertia sub-network, published by AEMO under clause 5.20.4(a).

inertia service payment

A payment by a Transmission Network Service Provider made under an inertia services agreement where:

(a) the payment is made for inertia network services or inertia support activities to be made available or provided as a service to the Transmission Network Service Provider in its capacity as an Inertia Service Provider to (in the case of inertia network services) satisfy an obligation under clause 5.20B.4 or (in the case of inertia support activities) resulting in an adjustment to the minimum threshold level of inertia or the secure operating level of inertia; and

(b) the inertia network services are made available or provided, or the inertia support activity is undertaken, in accordance with:

(1) applicable technical specifications and performance standards approved by AEMO; and

(2) in the case of an inertia support activity, any conditions of AEMO's approval under clause 5.20B.5(a).

Inertia Service Provider

The Inertia Service Provider for an inertia sub-network as specified under clause 5.20B.4(a).

inertia services agreement

An agreement under which a person agrees to provide one or more inertia network services to an Inertia Service Provider or to undertake an inertia support activity.

inertia shortfall

A shortfall in the level of inertia typically provided in an inertia sub-network (having regard to typical patterns of dispatched generation in central dispatch) compared to the secure operating level of inertia most recently determined by AEMO for the inertia sub-network.

inertia shortfall event

A Transmission Network Service Provider is required to make inertia network services available under clause 5.20B.4 as a consequence of an assessment by AEMO under clause 5.20B.3(c) that there is an inertia shortfall in an inertia sub-network for which the Transmission Network Service Provider is the Inertia Service Provider or to cease making inertia network services available under clause 5.20B.4 as a consequence of an assessment by AEMO under clause 5.20B.3(d) that an inertia shortfall in the inertia sub-network has ceased and:

(a) the Transmission Network Service Provider is required to provide, or cease providing, inertia network services during the course of a regulatory control period; and
(b) making inertia network services available or ceasing to make inertia network services available materially increases or materially decreases the Transmission Network Service Provider's costs of providing prescribed transmission services.

**inertia sub-network**

A part of the national grid determined by AEMO in accordance with clause 5.20B.1.

**inertia support activity**

An activity approved by AEMO under clause 5.20B.5(a).

**inflexible, inflexibility**

In respect of a scheduled generating unit, scheduled load or scheduled network service for a trading interval means that the scheduled generating unit, scheduled load or scheduled network service is only able to be dispatched in the trading interval at a fixed loading level specified in accordance with clause 3.8.19(a).

**Information Exchange Committee**

The committee established under clause 7.17.6(a).

**Information Exchange Committee Annual Report**

The annual report prepared by the Information Exchange Committee in accordance with the Information Exchange Committee Operating Manual and the Rules.

**Information Exchange Committee Election Procedures**

The procedures of that title which set out the process for election of Members.

**Information Exchange Committee Operating Manual**

The manual of that title prepared by the Information Exchange Committee which sets out the processes pursuant to which the Information Exchange Committee operates.

**Information Exchange Committee Recommendation**

(a) For the purposes of Chapter 8 and any applicable definitions, a decision made by the Information Exchange Committee under clauses 7.17.4(n)(1) or 7.17.4(n)(2).

(b) Otherwise, a decision made by the Information Exchange Committee under clause 7.17.4(n)(2).

**Information Exchange Committee Working Groups**

The groups established by the Information Exchange Committee to assist with the Information Exchange Committee Works Programme.

**Information Exchange Committee Works Programme**

The work programme prepared by the Information Exchange Committee in respect of the development, implementation and operation of the B2B Procedures and other matters which are incidental to effective and efficient B2B Communications.
information guidelines

Guidelines made by the AER for the purpose of guiding a Transmission Network Service Provider in the submission of certified annual statements and other related information in accordance with clause 6A.17.2.

insolvency official

A receiver, receiver and manager, administrator, provisional liquidator, liquidator, trustee in bankruptcy or person having a similar or analogous function.

instrument transformer

Either a current transformer (CT) or a voltage transformer (VT).

insurance event

An event for which the risk of its occurrence is the subject of insurance taken out by or for a Transmission Network Service Provider, for which an allowance is provided in the total revenue cap for the Transmission Network Service Provider and in respect of which:

(a) the cost of the premium paid or required to be paid by the Transmission Network Service Provider in the regulatory year in which the cost of the premium changes is higher or lower than the premium that is provided for in the maximum allowed revenue for the provider for that regulatory year by an amount of more than 1% of the maximum allowed revenue for the provider for that regulatory year;

(b) the risk eventuates and, as a consequence, the Transmission Network Service Provider incurs or will incur all or part of a deductible where the amount so incurred or to be so incurred in a regulatory year is higher or lower than the allowance for the deductible (if any) that is provided for in the maximum allowed revenue for the provider for that regulatory year by an amount of more than 1% of the maximum allowed revenue for the provider for that regulatory year;

(c) insurance becomes unavailable to the Transmission Network Service Provider; or

(d) insurance becomes available to the Transmission Network Service Provider on terms materially different to those existing as at the time the revenue determination was made (other than as a result of any act or omission of the provider which is inconsistent with good electricity industry practice).

Integrated System Plan

A plan developed and published by AEMO under rule 5.22 as amended by an ISP update from time to time.

intending load

A proposed purchase of electricity at a connection point (the location of which may be undefined) which is classified as an intending load in accordance with Chapter 2.

Intending Participant

A person who is registered by AEMO as an Intending Participant under Chapter 2.
**interconnection, interconnector, interconnect, interconnected**

A transmission line or group of transmission lines that connects the transmission networks in adjacent regions.

**interconnector flow**

The quantity of electricity in MW being transmitted by an interconnector.

**interested party**

(a) In Chapter 5, a person including an end user or its representative who, in AEMO's opinion, has or identifies itself to AEMO as having an interest in relation to the network planning and development activities covered under Part B of Chapter 5 or in the determination of plant standards covered under clause 5.3.3(b2).

(b) Despite the definition in (a) above, in clauses 5.16.4 and 5.16A.4, rule 5.16B and clauses 5.17.4 and 5.17.5, the meaning give to it in clause 5.15.1.

(c) In Chapter 6 or Chapter 6A, a person (not being a Registered Participant or AEMO) that has, in the AER's opinion, or identifies itself to the AER as having, an interest in the Transmission Ring-Fencing Guidelines or the Distribution Ring-Fencing Guidelines.

(d) In Chapter 2, a person including an end user or its representative who, in AEMO's opinion, has or identifies itself to AEMO as having an interest in relation to the structure of Participant fees.

(e) In Chapter 7, a person that has, in AEMO's opinion, or identifies itself to AEMO as having, an interest in the relevant procedure in Chapter 7.

**interim reliability measure**

The measure specified in clause 3.9.3C(a1).

**interim statement**

Has the meaning given in clause 3.3.11(a)(1).

**intermediary**

A person who is registered by AEMO as a Generator or a Network Service Provider instead of another person who, in the absence of an exemption under clause 2.9.3, would be required to be registered as such under the Rules.

**intermittent**

A description of a generating unit whose output is not readily predictable, including, without limitation, solar generators, wave turbine generators, wind turbine generators and hydro-generators without any material storage capability.

**inter-network test**

A test conducted for the purpose of verifying the magnitude of the power transfer capability of more than one transmission network in accordance with clause 5.7.7.

**inter-network testing constraint**

A constraint on a transmission network as contemplated by clause 5.7.7.
inter-regional
Between regions.

inter-regional loss factor
A marginal loss factor determined according to clause 3.6.1.

inter-regional losses
Has the meaning given to it by clause 3.6.1(a).

interruptible load
A load which is able to be disconnected, either manually or automatically initiated, which is provided for the restoration or control of the power system frequency by AEMO to cater for contingency events or shortages of supply.

interval energy data
The data that results from the measurement of the flow of electricity in a power conductor where the data is prepared and recorded by the metering installation in intervals which correspond to a recording interval or are submultiples of a recording interval. Interval energy data is held in the metering installation.

interval meter
A meter that records interval energy data.

interval metering data
The interval energy data, once collected from a metering installation, is interval metering data. Interval metering data is held in a metering data services database.

intervention dispatch interval
A dispatch interval declared by AEMO to be an intervention dispatch interval in accordance with clause 3.9.3(a).

intervention price dispatch interval
An intervention dispatch interval in respect of which AEMO has set dispatch prices and ancillary service prices in accordance with clause 3.9.3(b).

intervention price trading interval
A trading interval that includes one or more intervention price dispatch intervals.

intervention settlement timetable
Has the meaning given in clause 3.12.1(b).

intra-regional
Within a region.

intra-regional loss factor
A marginal loss factor determined according to clause 3.6.2.

intra-regional losses
Has the meaning given to it by clause 3.6.2(a).
invoiced amount

The aggregate of the settlement statements, interim, preliminary or final, which at the time of issue of a call notice are unpaid by the Market Participant, notwithstanding that the usual time for issue or payment of those settlement statements has not been reached.

islanded, islanding

In relation to an inertia sub-network or a combination of two or more inertia sub-networks, temporary loss of synchronous connection to all adjacent parts of the national grid.

isolation

Electrical isolation of one part of a communication system from another but where the passage of electronic data transfer is not prevented.

ISP database

The database that AEMO is required to establish and maintain under clause 5.22.16.

ISP update

An update to an Integrated System Plan published by AEMO under clause 5.22.15.

jurisdictional derogation

Has the meaning given in the National Electricity Law. The jurisdictional derogations are included in Chapter 9.

jurisdictional electricity legislation

Has the meaning given to that term in the National Electricity Law.

jurisdictional metrology material

Jurisdictional metrology matters that are to be included in the metrology procedure for one or more of the participating jurisdictions and which is submitted by the Ministers of the MCE to AEMO under clause 7.16.4.

Jurisdictional NMI Standing Data schedule

The schedules described in clause 3.13.12(a), as amended from time to time in accordance with clause 3.13.12(b).

Jurisdictional NMI Standing Data suppliers

Registered Participants which are required by the relevant participating jurisdiction's legislation or licensing requirements to supply NMI Standing Data in respect of connection points in that participating jurisdiction to AEMO.

jurisdictional planning body

The entity nominated by the relevant Minister of a participating jurisdiction as having transmission system planning responsibility in that participating jurisdiction.
jurisdictional planning representative
The representative from the jurisdictional planning body for a participating jurisdiction nominated by that jurisdictional planning body as the jurisdictional planning representative for that participating jurisdiction.

Jurisdictional Regulator
The person authorised by a participating jurisdiction to regulate distribution service prices in that jurisdiction.

jurisdictional scheme
Has the meaning given in clause 6.18.7A(d).

jurisdictional scheme amounts
In respect of a jurisdictional scheme, the amounts a Distribution Network Service Provider is required under the jurisdictional scheme obligations to:

(a) pay to a person;
(b) pay into a fund established under an Act of a participating jurisdiction;
(c) credit against charges payable by a person; or
(d) reimburse a person,
less any amounts recovered by the Distribution Network Service Provider from any person in respect of those amounts other than under these Rules.

jurisdictional scheme eligibility criteria
The criteria specified in clause 6.18.7A(x)

jurisdictional scheme obligations
Obligations imposed on a Distribution Network Service Provider under:

(a) an Act of a participating jurisdiction or an instrument, direction or order made under an Act of a participating jurisdiction (other than the National Electricity Law and these Rules); or
(b) a condition of a distribution licence or authority held by a Distribution Network Service Provider in a participating jurisdiction.

Jurisdictional System Security Coordinator
A person appointed by the Minister of a participating jurisdiction in accordance with section 110 of the National Electricity Law.

key connection information
The following information in respect of a proposed connection, or modification of an existing connection, of generating plant to the national grid:

(a) name, ABN and ACN of the proponent of the connection;
(b) type of plant in respect of each relevant generating unit (e.g. gas turbine generating unit);
(c) site location or preferred site location;
(d) maximum power generation of whole plant;
(e) forecast completion date of the proposed connection; and
(f) technology of each relevant generating unit (e.g. synchronous generating unit, induction generator, photovoltaic array, etc).

**lack of reserve (LOR)**

A condition declared by AEMO under clause 4.8.4(b).

**large customer**

(a) In a participating jurisdiction where the National Energy Retail Law applies as a law of that participating jurisdiction, has the meaning given in the National Energy Retail Law.

(b) Otherwise, has the meaning given in jurisdictional electricity legislation, or a retail customer that is not a small customer.

**large DCA service**

A service provided by means of a large dedicated connection asset.

**large DCA services access dispute**

A dispute between a Dedicated Connection Asset Service Provider and a person seeking access to large DCA services as referred to in clause 5.5.1(c), that is for determination by a commercial arbitrator under rule 5.5.

**large dedicated connection asset**

A dedicated connection asset where the total route length for any power lines forming part of the dedicated connection asset is 30 kilometres or longer.

**last jurisdictional scheme approval date**

For an approved jurisdictional scheme of a Distribution Network Service Provider, means the later of:

(a) if the approved jurisdictional scheme is a jurisdictional scheme referred to in clause 6.18.7A(e), 1 July 2010;

(b) if the approved jurisdictional scheme is not a jurisdictional scheme referred to in paragraph (a), the date on which the AER determined under clause 6.18.7A(l) that the scheme was a jurisdictional scheme;

(c) if the approved jurisdictional scheme is a jurisdictional scheme in respect of which:

   (i) a request has been made under clause 6.18.7A(o) or an assessment initiated under clause 6.18.7A(r); and

   (ii) the AER has determined under clause 6.18.7A(u) that the scheme should not cease to be a jurisdictional scheme,

   the date of that determination; or

(d) if in a previous pricing proposal the Distribution Network Service Provider provided information in respect of that approved jurisdictional scheme to the AER under clause 6.18.2(b)(6B), the date that such a pricing proposal was submitted.

**last resort planning power**

The AEMC's power to direct a Registered Participant under rule 5.22(c).
**last resort planning power guidelines**

The guidelines made by the AEMC relating to the exercise of the last resort planning power and referred to in rule 5.22(n) to (q).

**late rebidding period**

In respect of a trading interval, the period beginning 15 minutes before the commencement of the trading interval.

**load**

A connection point or defined set of connection points at which electrical power is delivered to a person or to another network or the amount of electrical power delivered at a defined instant at a connection point, or aggregated over a defined set of connection points.

**load centre**

A geographically concentrated area containing load or loads with a significant combined consumption capability.

**load shedding**

Reducing or disconnecting load from the power system.

**load shedding procedures**

The procedures developed by AEMO for each participating jurisdiction in accordance with clause 4.3.2(h)(1) for the implementation of the load shedding priority and sensitive load priority advised by that Jurisdictional System Security Coordinator under clauses 4.3.2(f)(1) and (2).

**loading level**

The level of output, consumption or power flow (in MW) of a generating unit, load or scheduled network service.

**loading price**

The price specified for a price band and a trading interval in a dispatch offer, in accordance with clause 3.8.6, for the dispatch of a scheduled generating unit at a level above its self-dispatch level.

**local area/local**

The geographical area allocated to a Network Service Provider by the authority responsible for administering the jurisdictional electricity legislation in the relevant participating jurisdiction.

**local black system procedures**

The procedures, described in clause 4.8.12, applicable to a local area as approved by AEMO from time to time.

**local market ancillary service requirement**

Has the meaning given to it by clause 3.8.1(e2).

**Local Network Service Provider**

Power and Water Corporation ABN 15 947 352 360.
Local Retailer

In relation to a local area, the Customer who is:

1. a business unit or related body corporate of the relevant Local Network Service Provider; or
2. responsible under the laws of the relevant participating jurisdiction for the supply of electricity to franchise customers in that local area; or
3. if neither 1 or 2 is applicable, such other Customer as AEMO may determine.

local spot price

A price determined according to clause 3.9.1(c).

long run marginal cost

For the purposes of clause 6.18.5, the cost of an incremental change in demand for direct control services provided by a Distribution Network Service Provider over a period of time in which all factors of production required to provide those direct control services can be varied.

loss factor

A multiplier used to describe the electrical energy loss for electricity used or transmitted.

low reserve

The conditions described in clause 4.8.4(a).

major supply disruption

The unplanned absence of voltage on a part of the transmission system affecting one or more power stations and which leads to a loss of supply to one or more loads.

margin requirement

The requirement set out in clause S6.2.2A(d) or clause S6A.2.2A(d), as the case may be.

marginal electrical energy loss

The electrical energy loss associated with an infinitesimal increment in electricity produced, transported and/or used.

marginal loss factor

A multiplier used to describe the marginal electrical energy loss for electricity used or transmitted.

market

Means:

(a) except for the purposes of Chapter 7A:

(i) a market or exchange operated or administered by NTESMO, whether being a market for energy or any other market or exchange; or
(ii) a market or exchange for energy that is not operated or administered by NTESMO; and

(b) for the purposes of Chapter 7A, a market or exchange for energy.

market ancillary service
A service identified in clause 3.11.2(a).

market ancillary service offer
A notice submitted by an Ancillary Service Provider to AEMO in respect of a market ancillary service in accordance with clause 3.8.7A.

Market Ancillary Service Provider
A person who offers and provides load as a market ancillary service under Chapter 2 and who is registered by AEMO as a Market Ancillary Service Provider under Chapter 2. The relevant person does not need to be the Market Customer for the relevant load.

market ancillary service specification
Has the meaning given in clause 3.11.2(b).

market auditor
A person appointed by AEMO to carry out a review under clause 3.13.10(a).

market commencement
The date declared as such by AEMO, on which trading in the market commences.

market connection point
A connection point where any load is classified in accordance with Chapter 2 as a market load or which connects any market generating unit to the national grid, or where the network service connected at that connection point is a market network service.

Market Customer
A Customer who has classified any of its loads as a market load and who is also registered by AEMO as a Market Customer under Chapter 2.

market customer's additional claim
Has the meaning given in clause 3.12.2(g)(4).

market floor price
A price floor on regional reference prices as described in clause 3.9.6.

market generating unit
A generating unit whose sent out generation is not purchased in its entirety by the Local Retailer or by a Customer located at the same connection point and which has been classified as such in accordance with Chapter 2.

Market Generator
A Generator who has classified at least one generating unit as a market generating unit in accordance with Chapter 2 and who is also registered by AEMO as a Market Generator under Chapter 2.
**market information**

Information, other than *confidential information*, concerning the operation of the *spot market* or relating to the operation of, inputs to, or outputs from the *central dispatch* process.

**market information bulletin board**

A facility established by *AEMO* on the *electronic communication system* for the posting of information which may then be available to *Registered Participants*.

**market load**

A *load* for an *NMI* classified by the relevant *retailer* or, with the consent of the *financially responsible* person for that *load*, by some other person, as a *market load*. There can be more than one *market load* at any one *connection point*.

**market management systems**

*AEMO's market information* systems and associated communications networks used to support the electronic communication by *Registered Participants* and others connected to or making use of the systems and networks in the operation of the *market*.

**Market Management Systems Access Procedures**

The procedures to be followed by *Registered Participants*, *Metering Providers* and *Metering Data Providers* in connecting to and making use of the *market management systems* from time to time *published* by *AEMO* under rule 3.19.

**market network service**

A *network service* which is classified as a *market network service* in accordance with clause 2.5.2.

**Market Network Service Provider**

A *Network Service Provider* who has classified any of its *network services* as a *market network service* in accordance with Chapter 2 and who is also registered by *AEMO* as a *Market Network Service Provider* under Chapter 2.

**Market Participant**


**Market Participant registered data**

The data kept on the register in accordance with schedule 5.5.

**market price cap**

A price cap on *regional reference prices* as described in clause 3.9.4.

**market retail contract**

Has the same meaning as in the *NERL*.

**Market Settlement and Transfer Solution Procedures**

The procedures from time to time *published* by *AEMO* under clause 7.16.2 which include those governing the recording of financial responsibility for *energy flows*
at a connection point, the transfer of that responsibility between Market Participants and the recording of energy flows at a connection point.

**Market Small Generation Aggregator**

A person who:

(a) has classified one or more small generating units as a market generating unit; and

(b) is registered by AEMO as a Market Small Generation Aggregator under Chapter 2.

**market suspension**

Suspension of the spot market by AEMO in accordance with clause 3.14.3.

**Market Suspension Compensation Claimant**

(a) A Scheduled Generator who supplied energy during a market suspension pricing schedule period:

(1) in a suspended region; or

(2) in a region where dispatch prices were affected in accordance with clause 3.14.5(f); or

(b) an Ancillary Service Provider in a suspended region, in respect of an ancillary service generating unit which is also a scheduled generating unit, who provided market ancillary services during a market suspension pricing schedule period.

**market suspension compensation methodology**

Has the meaning given in clause 3.14.5A(h).

**market suspension compensation recovery amount**

Has the meaning given in clause 3.15.8A(a).

**market suspension pricing methodology**

Has the meaning given in clause 3.14.5(e)(1).

**market suspension pricing schedule**

Has the meaning given in clause 3.14.5(e)(1).

**market suspension pricing schedule period**

(a) For a Market Suspension Compensation Claimant of a type referred to in subparagraph (a)(1) or paragraph (b) of the definition of Market Suspension Compensation Claimant, the period starting at the beginning of the first dispatch interval and ending at the end of the final dispatch interval in which:

(1) for Scheduled Generators, the dispatch price for a dispatch interval is set by AEMO in accordance with the market suspension pricing schedule; or

(2) for Ancillary Service Providers, in respect of an ancillary service generating unit, the ancillary service price for a dispatch interval is
set by AEMO in accordance with the market suspension pricing schedule.

(b) For a Market Suspension Compensation Claimant of a type referred to in subparagraph (a)(2) of the definition of Market Suspension Compensation Claimant, includes only those dispatch intervals:

(1) that occur during the period described in paragraph (a) above; and
(2) during which dispatch prices were affected in accordance with clause 3.14.5(f).

**material inter-network impact**

A material impact on another Transmission Network Service Provider's network, which impact may include (without limitation):

(a) the imposition of power transfer constraints within another Transmission Network Service Provider's network; or
(b) an adverse impact on the quality of supply in another Transmission Network Service Provider's network.

**materially**

For the purposes of the application of clause 6.6.1, an event results in a Distribution Network Service Provider incurring materially higher or materially lower costs if the change in costs (as opposed to the revenue impact) that the Distribution Network Service Provider has incurred and is likely to incur in any regulatory year of a regulatory control period, as a result of that event, exceeds 1% of the annual revenue requirement for the Distribution Network Service Provider for that regulatory year.

For the purposes of the application of clause 6A.7.3, an event (other than a network support event) results in a Transmission Network Service Provider incurring materially higher or materially lower costs if the change in costs (as opposed to the revenue impact) that the Transmission Network Service Provider has incurred and is likely to incur in any regulatory year of a regulatory control period, as a result of that event, exceeds 1% of the maximum allowed revenue for the Transmission Network Service Provider for that regulatory year.

In other contexts, the word has its ordinary meaning.

**maximum allowed revenue**

For a Transmission Network Service Provider: the amount calculated as such for a regulatory year of a regulatory control period in accordance with rule 6A.3.

For AEMO: the amount calculated as such for a regulatory year of a regulatory control period in accordance with clause S6A.4.2(c)(4).

**maximum credit allowance**

Has (in the context of Chapter 6B) the meaning given in clause 6B.8.1.2.

**maximum demand**

The highest amount of electrical power delivered, or forecast to be delivered, over a defined period (day, week, month, season or year) either at a connection point, or simultaneously at a defined set of connection points.
maximum power input (MPI)

The largest single supply input to a particular location or region, typically the output of the largest single generating unit or group of generating units or the highest power transfer of a single transmission line or interconnection.

maximum ramp rate

The maximum ramp rate that an item of equipment is capable of achieving in normal circumstances. This may be:
(a) as specified by the manufacturer; or
(b) as independently certified from time to time to reflect changes in the physical capabilities of the equipment.

maximum total payment

The amount determined in accordance with clause 3.15.22.

measurement element

An energy measuring component which converts the flow of electricity in a power conductor into an electronic signal and / or a mechanically recorded electrical measurement.

medium term PASA

The PASA in respect of the period described in clause 3.7.2(a), as described under clause 3.7.2.

medium term PASA inputs

The inputs to be prepared in accordance with clauses 3.7.2(c) and (d).

Member

A person appointed or elected (as the case may be) to the Information Exchange Committee pursuant to the Information Exchange Committee Election Procedures and Rules, and includes all membership categories, unless a contrary intention appears.

meter

A device complying with Australian Standards which measures and records the production or consumption of electrical energy.

meter churn procedures

The procedures established by AEMO under clause 7.8.9(f).

metering

Recording the production or consumption of electrical energy.

Metering Coordinator

A person appointed to the role of Metering Coordinator in this jurisdiction.

Metering Coordinator default event

In relation to a Metering Coordinator, means any of the following events or circumstances:
(a) the Metering Coordinator ceases to be registered by AEMO as a Metering Coordinator under Chapter 2;
(b) an insolvency official is appointed in respect of the Metering Coordinator or any property of the Metering Coordinator; or
(c) an order is made for the winding up of the Metering Coordinator or a resolution is passed for the winding up of Metering Coordinator; or
(d) a breach of the Rules or applicable procedures made under the Rules in relation to which AEMO has issued a Metering Coordinator default notice under clause 7.7.3(c)(3).

**Metering Coordinator default notice**

A notice issued by AEMO under clause 7.7.3(c)(3).

**metering data**

Accumulated metering data, interval metering data, calculated metering data, substituted metering data, estimated metering data and check metering data.

**Metering Data Provider**

A person appointed to be a Metering Data Provider for a connection point.

**metering data services**

The services that involve the collection, processing, storage and delivery of metering data and the management of relevant NT NMI Data in accordance with the Rules.

**metering data provision procedures**

Procedures for the provision of metering data requested under rule 7.14, developed and published by AEMO.

**metering data services database**

The database established and maintained by the Metering Data Provider that holds metering data and NT NMI data relating to each metering installation for which the Metering Coordinator has appointed the Metering Data Provider to provide metering data services.

**metering database**

A database of metering data and settlements ready data maintained and administered by AEMO in accordance with clause 7.11.

**metering installation**

The assembly of components including the instrument transformer, if any, measurement element(s) and processes, if any, recording and display equipment, communications interface, if any, that are controlled for the purpose of metrology and which lie between the metering point(s) and the point at or near the metering point(s) where the energy data is made available for collection.

**Note:**

(1) The assembly of components may include the combination of several metering points to derive the metering data for a connection point.

(2) The metering installation must be classified as being for revenue purposes and/or as a check metering installation.
metering installation malfunction

The full or partial failure of the metering installation in which the metering installation:

(a) does not meet the requirements of schedule 7A.4;
(b) does not record, or incorrectly records, energy data; or
(c) does not allow, or provide for, collection of energy data.

Metering Member

A person nominated and elected as a Member by Metering Member Voters to represent Metering Member Voters in accordance with the Rules (including clause 7.17.10(g)) and the Information Exchange Committee Election Procedures.

Metering Member Voters

Metering Coordinators, Metering Providers and Metering Data Providers.

metering point

The point of physical connection of the device measuring the current in the power conductor.

Metering Provider

A person appointed to be a Metering Provider for a connection point.

metering register

A register of information associated with a metering installation as required by schedule 7A.1.

metering system

The collection of all components and arrangements installed or existing between each metering point and the metering database.

metrology procedure

The procedure developed and published by AEMO in accordance with rule 7.16.

micro EG connection

Has (in the context of Chapter 5A) the meaning given in clause 5A.A.1

micro embedded generator

Has (in the context of Chapter 5A) the meaning given in clause 5A.A.1

minimum access standard

In relation to a technical requirement of access, a standard of performance, identified in a schedule of Chapter 5 as a minimum access standard for that technical requirement, such that a plant that does not meet that standard will be denied access because of that technical requirement.

minimum services specification

The requirements in respect of a metering installation set out in Schedule 7.5.
**minimum threshold level of inertia**

For an inertia sub-network, the minimum threshold level of inertia determined by AEMO and referred to in clause 5.20B.2(b)(1).

**Minister**

A Minister that is a "Minister" under the National Electricity Law.

**Minister of (a, that, another, or other, etc) participating jurisdiction**

Has the same meaning as Minister of a participating jurisdiction has in the National Electricity Law.

**Ministers of the MCE**

Ministers of the participating jurisdictions acting as the MCE where MCE has the same meaning as in the National Electricity Law.

**mis-pricing**

For a particular network node within a nominated region, the difference between:

(a) the regional reference price for the region; and

(b) an estimate of the marginal value of supply at the network node, which marginal value is determined as the price of meeting an incremental change in load at that network node.

**MLEC CRNP Methodology**

For the purposes of calculating the modified load export charges, the CRNP Methodology (and for the avoidance of doubt, not the modified CRNP Methodology) provided that each of the following is satisfied:

(a) for the purposes of clause S6A.3.2(1), network 'costs' are attributed to all transmission systems assets of the relevant Transmission Network Service Provider; and

(b) for the purposes of clause S6A.3.2(3):

1. every trading interval of the previous regulatory year in order to determine the range of actual operating conditions from the previous regulatory year; and

2. the peak usage of each transmission system asset by each load is used to determine the allocation of dispatched generation to loads from the previous regulatory year.

**model standing offer**

Has (in the context of Chapter 5A) the meaning given in clause 5A.A.1.

**modified CRNP methodology**

The cost allocation methodology set out in clause S6A.3.3.

**modified load export charges**

Charges received by or payable to the Co-ordinating Network Service Provider in a region by or to a Co-ordinating Network Service Provider in an interconnected region calculated under rule 6A.29A.2.
**monitoring equipment**

The testing instruments and devices used to record the performance of *plant* for comparison with expected performance.

**month**

Unless otherwise specified, the period beginning at 4.30 am on the relevant commencement date and ending at 4.30 am on the date in the next calendar month corresponding to the commencement date of the period.

**nameplate rating**

The maximum continuous output or consumption in MW of an item of equipment as specified by the manufacturer, or as subsequently modified.

**NATA**

National Association of Testing Authorities.

**National Electricity Law**

The National Electricity (NT) Law.

**National Electricity Market**

Has the same meaning as in the *National Electricity Law*.

**national electricity objective**

The objective stated in section 7 of the Law.

**National Energy Retail Law**

Means the *National Energy Retail Law* set out in the Schedule to the *National Energy Retail Law (South Australia) Act 2012* of South Australia.

**National Energy Retail Rules**

Has the same meaning as in the *National Energy Retail Law*.

**national grid**

The sum of:

(a) all connected transmission systems and distribution systems within the other participating jurisdictions; and

(b) the transmission systems and distribution systems in this jurisdiction.

**National Measurement Act**

The *National Measurement Act 1960* of the Commonwealth as amended from time to time.

**national transmission grid**

Has the meaning given in the *National Electricity Law*.

**negative change event**

For a *Distribution Network Service Provider*, a pass through event which entails the *Distribution Network Service Provider* incurring materially lower costs in providing direct control services than it would have incurred but for that event.
For a Transmission Network Service Provider, a pass through event which entails the Transmission Network Service Provider incurring materially lower costs in providing prescribed transmission services than it would have incurred but for that event.

**negative network support event**

A network support event which entails a Transmission Network Service Provider making lower network support payments in the preceding regulatory year than the amount of the network support payment allowance (if any) for that provider for that preceding regulatory year.

**negative pass through amount**

In respect of a negative change event for a Transmission Network Service Provider, an amount that is not greater than a required pass through amount as determined by the AER under clause 6A.7.3(g).

In respect of a negative change event or NT negative change event for a Distribution Network Service Provider, an amount that is not greater than a required pass through amount as determined by the AER under clause 6.6.1(g) or 6.6.1AB(g).

**Note:**
The modification to this definition expires on 1 July 2024.

**negotiable service**

(a) In relation to transmission services means negotiated transmission services.

(b) In relation to distribution services means negotiated distribution services.

**negotiated access standard**

In relation to a technical requirement of access for a particular plant, an agreed standard of performance determined in accordance with clause 5.3.4A and identified as a negotiated access standard for that technical requirement in a connection agreement.

**negotiated distribution service**

A distribution service that is a negotiated network service within the meaning of section 2C of the Law;

**Negotiated Distribution Service Criteria**

The criteria specified in a distribution determination in accordance with clause 6.7.4.

**Negotiated Distribution Service Principles**

The principles set out in clause 6.7.1.

**negotiated transmission service**

Any of the following services:

(a) a shared transmission service that:

(1) exceeds the network performance requirements (whether as to quality or quantity) (if any) as that shared transmission service is required to meet under any jurisdictional electricity legislation; or
(2) except to the extent that the network performance requirements which that shared transmission service is required to meet are prescribed under any jurisdictional electricity legislation, exceeds or does not meet the network performance requirements (whether as to quality or quantity) as are set out in schedule 5.1a or 5.1;

(b) connection services that are provided to serve a Transmission Network User, or group of Transmission Network Users, at a single transmission network connection point, other than connection services that are provided by one Network Service Provider to another Network Service Provider to connect their networks where neither of the Network Service Providers is a Market Network Service Provider;

(c) services specified to be negotiated transmission services under rule 5.2A.4; or

(d) undertaking system strength connection works,

but does not include an above-standard system shared transmission service or a market network service.

negotiated use of system charges

The charges described in clause 5.3AA(f)(3).

negotiated use of system service

A use of system service in respect of which:

(a) an Embedded Generator may negotiate with a Distribution Network Service Provider; or

(b) a Market Network Service Provider may negotiate with a Distribution Network Service Provider,

in accordance with clause 5.3AA(f)(3).

negotiating framework

For a Distribution Network Service Provider, a negotiating framework as approved or substituted by the AER in its final decision under clause 6.12.1(15).

negotiating principles

Those negotiating principles set out in schedule 5.11.

NEM

The National Electricity Market.

NEMMCO

Has the meaning given in the National Electricity Law.

NERL

National Energy Retail Law.

NERR

National Energy Retail Rules.
network
The apparatus, equipment, plant and buildings used to convey, and control the conveyance of, electricity to customers (whether wholesale or retail) excluding any connection assets. In relation to a Network Service Provider, a network owned, operated or controlled by that Network Service Provider.

network agreement
has the meaning given in the National Electricity Law.

network capability
The capability of the network or part of the network to transfer electricity from one location to another.

network charges
Has (in the context of Chapter 6B) the meaning given in clause 6B.A1.2.

network connection
The formation of a physical link between the facilities of two Registered Participants or a Registered Participant and a customer being a connection to a transmission or distribution network via connection assets.

network connection asset
Those components of a transmission system which are used to provide connection services between Network Service Providers (excluding a Market Network Service Provider).

network constraint
A constraint on a transmission network or distribution network.

network coupling point
The point at which connection assets join a distribution network, used to identify the distribution service price payable by a Customer.

network device
Apparatus or equipment that:
(a) enables a Local Network Service Provider to monitor, operate or control the network for the purposes of providing network services, which may include switching devices, measurement equipment and control equipment;
(b) is located at or adjacent to a metering installation at the connection point of a retail customer; and
(c) does not have the capability to generate electricity.

network dispatch offer
An notice submitted by a Scheduled Network Service Provider to AEMO relating to the dispatch of a scheduled network service in accordance with clause 3.8.6A.

network element
A single identifiable major component of a transmission system or distribution system involving:
(a) an individual transmission or distribution circuit or a phase of that circuit; or

(b) a major item of apparatus or equipment associated with the function or operation of a transmission line, distribution line or an associated substation or switchyard which may include transformers, circuit breakers, synchronous condensors, reactive plant and monitoring equipment and control equipment.

**network loop**

A set of network elements that are connected together in the form of a closed path, that is in such a way that by progressing from each element to the next it is possible to return to the starting point.

**network losses**

Energy losses incurred in the transfer of electricity over a transmission network or distribution network.

**network operating agreement**

An agreement described in clause 5.2A.7.

**network option**

A means by which an identified need can be fully or partly addressed by expenditure on a transmission asset or a distribution asset which is undertaken by a Network Service Provider.

For the purposes of this definition, transmission asset and distribution asset has the same meaning as in clause 5.10.2.

**Note:**

The modification to this definition expires on 1 July 2017.

**network pricing objective**

The network pricing objective set out in paragraph 6.18.5(a).

**network service**

Transmission service or distribution service associated with the conveyance, and controlling the conveyance, of electricity through the network.

**Network Service Provider**

A Distribution Network Service Provider or Transmission Network Service Provider.

**network service provider performance report**

A report prepared by the AER under section 28V of the Law.

**network support agreement**

An agreement under which a person agrees to provide one or more network support and control ancillary services to a Network Service Provider, including network support services to improve network capability by providing a non-network alternative to a network augmentation.
network support and control ancillary service or NSCAS

A service (excluding an inertia network service or system strength service) with the capability to control the active power or reactive power flow into or out of a transmission network to address an NSCAS need.

network support event

(a) If, at the end of a regulatory year of a regulatory control period, the amount of network support payments made by a Transmission Network Service Provider for that previous regulatory year is higher or lower than the amount of the network support payment allowance (if any) for the Transmission Network Service Provider for that previous regulatory year, this constitutes a network support event.

(b) In calculating the amount for the purposes of a network support event referred to in paragraph (a), the amount of network support payments made by a Transmission Network Service Provider must not include an amount of network support payments that are a substitute for a network augmentation where an allowance for capital expenditure in relation to that network augmentation has been provided for in the revenue determination or an approved pass through amount arising from an inertia shortfall event or a fault level shortfall event.

network support pass through amount

The amount that should be passed through to Transmission Network Users in the regulatory year following the preceding regulatory year, in respect of a network support event for a Transmission Network Service Provider.

network support payment

Any of the following payments:

(a) a payment made by a Transmission Network Service Provider to:

(1) any Generator providing network support services in accordance with rule 5.3A.12; or

(2) any other person providing a network support service that is an alternative to network augmentation;

(b) an inertia service payment; and

(c) a system strength service payment.

network support payment allowance

The amount of network support payments (if any) that is provided for a Transmission Network Service Provider for a regulatory year in:

(a) the annual building block revenue requirement for the Transmission Network Service Provider for that regulatory year; or

(b) any approved pass through amount for the Transmission Network Service Provider for that regulatory year arising from an inertia shortfall event or a fault level shortfall event,

less the amount (expressed as a positive) of avoided network support payments (if any) that is provided for in any required pass through amount for the
Transmission Network Service Provider for that regulatory year arising from an inertia shortfall event or a fault level shortfall event.

**Network User**
A Generator, a Transmission Customer, a Distribution Customer or a Market Network Service Provider.

**new connection**
Has (in the context of Chapter 5A) the meaning given in clause 5A.A.1

**new meter deployment**
The replacement of an existing electricity meter of one or more small customers which is arranged by a retailer, other than where the replacement is:

(a) at the request of the relevant small customer or to enable the provision of a product or service the customer has agreed to acquire from the retailer or any other person;

(b) a maintenance replacement; or

(c) required as a result of a metering installation malfunction.

**NMAS provider**
A person who agrees to provide one or more non-market ancillary services to AEMO under an ancillary services agreement.

**NMI**
A National Metering Identifier issued by the relevant Network Service Provider.

**NMI Standing Data**
The following data in respect of a connection point:

(a) the NMI of the connection point and the street address of the relevant connection point to which that NMI is referable;

(b) the NMI checksum for the connection point;

(c) the identity of the Local Network Service Provider or, if the connection point is a child connection point, the identity of the Embedded Network Manager and the Exempt Embedded Network Service Provider;

(d) the code (known as a TNI) identifying the relevant transmission node which identifies the intra-regional loss factor and/or transmission use of system charge for the connection point and, if the connection point is a child connection point, the NMI of the parent connection point on that embedded network;

(e) the relevant distribution loss factor applicable to the connection point;

(f) the Network Tariff (identified by a code) applicable in respect of the connection point;

(g) the NMI classification code (as set out in the Market Settlement and Transfer Solution Procedures) of the connection point;
(h) the read cycle date, or date of next scheduled read or date in a relevant code representing the read cycle date or date of next scheduled read, for that connection point;

(i) the profile type applicable to the connection point; and

(j) such other categories of data as may be referred to in the Market Settlement and Transfer Solution Procedures as forming NMI Standing Data,

and, for the avoidance of doubt, does not include any metering data or other details of an end-user's consumption at that connection point.

**nomenclature standards**

The standards approved by AEMO in conjunction with the Network Service Providers relating to numbering, terminology and abbreviations used for information transfer between Registered Participant as provided for in clause 4.12.

**nominal voltage**

The design voltage level, nominated for a particular location on the power system, such that power lines and circuits that are electrically connected other than through transformers have the same nominal voltage regardless of operating voltage.

**nominated pass through event considerations**

The nominated pass through event considerations are:

(a) whether the event proposed is an event covered by a category of pass through event specified in clause 6.6.1(a1)(1AA) to(4) (in the case of a distribution determination) or clause 6A.7.3(a1)(1) to(4) (in the case of a transmission determination);

(b) whether the nature or type of event can be clearly identified at the time the determination is made for the service provider;

(c) whether a prudent service provider could reasonably prevent an event of that nature or type from occurring or substantially mitigate the cost impact of such an event;

(d) whether the relevant service provider could insure against the event, having regard to:

   (1) the availability (including the extent of availability in terms of liability limits) of insurance against the event on reasonable commercial terms; or

   (2) whether the event can be self-insured on the basis that:

      (i) it is possible to calculate the self-insurance premium; and

      (ii) the potential cost to the relevant service provider would not have a significant impact on the service provider's ability to provide network services; and.

(e) any other matter the AER considers relevant and which the AER has notified Network Service Providers is a nominated pass through event consideration.
non-contestable IUSA components

Those components of the identified user shared asset that do not satisfy the criteria set out in clause 5.2A.4(c).

non-credible contingency event

An event described in clause 4.2.3(e).

Non-market ancillary service or NMAS

Any of the following services:

(a) network support and control ancillary services and other services acquired by Transmission Network Service Providers under connection agreements or network support agreements to meet the service standards linked to the technical requirements of schedule 5.1 or in applicable regulatory instruments (but to avoid doubt, excluding inertia network services and system strength services); and

(b) system restart ancillary services acquired by AEMO under clause 3.11.9 and network support and control ancillary services acquired by AEMO in the circumstances described in clause 3.11.3(c).

non-market generating unit

A generating unit whose sent out generation is purchased in its entirety by the Local Retailer or by a Customer located at the same connection point and which has been classified as such in accordance with Chapter 2.

Non-Market Generator

A Generator who has classified a generating unit as a non-market generating unit in accordance with Chapter 2.

non-network option

A means by which an identified need can be fully or partly addressed other than by a network option.

Non-Registered Customer

A person who:

1. purchases electricity through a connection point with the national grid other than from the spot market; and

2. is eligible to be registered by AEMO as a Customer and to classify the load described in (1) as a first-tier load or a second-tier load, but is not so registered.

non-registered embedded generator

In the context of clause 6.7A, has the meaning given in chapter 5A.

non-regulated transmission services

A transmission service that is neither a prescribed transmission service nor a negotiated transmission service.

non-scheduled generating unit

A generating unit so classified in accordance with Chapter 2.
**non-scheduled generating system**

A generating system comprising non-scheduled generating units.

**Non-Scheduled Generator**

A Generator in respect of which any generating unit is classified as a non-scheduled generating unit in accordance with Chapter 2.

**non-scheduled load**

A market load which is not a scheduled load.

**non semi-dispatch interval**

For a semi-scheduled generating unit, a dispatch interval other than a semi-dispatch interval.

**non-suspension decision**

A decision made by AEMO under clause 3.15.21(c1)(2) or (3) not to suspend some or all of the activities of a defaulting Market Participant following an external administration default event.

**normal operating frequency band**

In relation to the frequency of the power system, means the range 49.9Hz to 50.1Hz or such other range so specified in the power system security standards.

**normal operating frequency excursion band**

In relation to the frequency of the power system, means the range specified as being acceptable for infrequent and momentary excursions of frequency outside the normal operating frequency band, being the range of 49.75 Hz to 50.25 Hz or such other range so specified in the power system security standards.

**normal voltage**

In respect of a connection point, its nominal voltage or such other voltage up to 10% higher or lower than normal voltage, as approved by NTESMO, for that connection point, at the request of the Network Service Provider who provides connection to the power system.

**normally off**

Describes a scheduled load which, unless dispatched in accordance with its dispatch bid, and in accordance with clause 3.8.7(j), should be considered as being switched off.

**normally on**

Describes a scheduled load which, unless dispatched in accordance with its dispatch bid, and in accordance with clause 3.8.7(i), should be considered as being switched on.

**NSCAS gap**

Any NSCAS need that AEMO forecasts will arise at any time within a planning horizon of at least 5 years from the beginning of the year in which the most recent NSCAS Report applies.
NSCAS need

(a) Subject to paragraphs (b) and (c), network support and control ancillary service required to:

(1) maintain power system security and reliability of supply of the transmission network in accordance with the power system security standards and the reliability standard; and

(2) maintain or increase the power transfer capability of that transmission network so as to maximise the present value of net economic benefit to all those who produce, consume or transport electricity in the market.

(b) Any requirement for a service that satisfies paragraph (a) and is also capable of being made available as an inertia network service to address an inertia shortfall through the arrangements in rule 5.20B must be treated as an inertia shortfall and is not an NSCAS need.

(c) Any requirement for a service that satisfies paragraph (a) and is also capable of being made available as a system strength service to address a fault level shortfall through the arrangements in rule 5.20C must be treated as a fault level shortfall and is not an NSCAS need.

NSCAS preferred tenderers

Persons that submitted tenders for NSCAS that are deemed to be non-competitive as selected by AEMO in accordance with clause 3.11.5(g).

NSCAS Provider

A person who agrees to provide one or more network support and control ancillary services to AEMO under an ancillary services agreement.

NSCAS Report

A report published by AEMO under clause 5.20.3.

NT equivalent services

Regulated network access services (as defined in clause 3 of the NT Network Access Code) that are designated as direct control services in Table 3.1 of Part A of the 2014 NT Network Price Determination.

NTESMO (being the Northern Territory Electricity System and Market Operator)

As the case requires:

(a) the entity that undertakes the performance of the functions set out in the Rules that relate to monitoring or controlling the operation of the power system in respect of one or more of the local electricity systems; or

(b) the entity that undertakes the performance of the functions set out in the Rules that relate to operating or administering a market in respect of one or more of the local electricity systems.

NT negative change event

A negative change event (as defined in Part B of the 2014 NT Network Price Determination) for a Distribution Network Service Provider:

(a) that occurred during the 2014-19 NT regulatory control period; and
(b) in relation to which, on or before 30 June 2019, a determination had not been made under clause 3.1.5(a) of Part B of the 2014 NT Network Price Determination and the time for making it had not expired.

**Note:**
This definition expires on 1 July 2024.

**NT Network Access Code**

The Network Access Code as defined in section 2A(1) of the Electricity Networks (Third Party Access) Act (NT).

**NT NMI data**

The following data in respect of a connection point:
(a) the NMI of the connection point and the street address of the relevant connection point to which that NMI is referable;
(b) the NMI checksum for the connection point;
(c) the identity of the relevant Network Service Provider;
(d) the relevant distribution loss factor applicable to the connection point;
(e) the Network Tariff (identified by a code) applicable in respect of the connection point;
(f) the read cycle date, or date of next scheduled read or date in a relevant code representing the read cycle date or date of next scheduled read, for that connection point,

and, to avoid doubt, does not include any metering data or other details of an end-user's consumption at that connection point.

**NTP functions**

Has the meaning given in the National Electricity Law.

**NT positive change event**

A positive change event (as defined in Part B of the 2014 NT Network Price Determination) for a Distribution Network Service Provider:
(a) that occurred during the 2014-19 NT regulatory control period; and
(b) in relation to which, on or before 30 June 2019, either:
   (1) a statement had not been submitted under clause 3.1.2 of Part B of the 2014 NT Network Price Determination and the time fixed for submitting it had not expired; or
   (2) a statement had been submitted under clause 3.1.2 of Part B of the 2014 NT Network Price Determination but a determination had not been made under clause 3.1.3(a) of Part B of the Determination and the time for making it had not expired.

**Note:**
This definition expires on 1 July 2024.
**off-loading price**

The price specified for a **price band** and a **trading interval** in a **dispatch offer**, in accordance with clause 3.8.6, for the **off-loading** of a **scheduled generating unit** below its **self-dispatch level**.

**off-loading price band**

A **price band** submitted for **off-loading** below a **self-dispatch level** for a **trading interval** in a **dispatch offer**.

**off-loading, off-load**

The reduction in electricity output or consumption.

**operating expenditure criteria**

For a **Transmission Network Service Provider** – the matters listed in clause 6A.6.6(c)(1)–(3).

For a **Distribution Network Service Provider** – the matters listed in clause 6.5.6(c)(1)–(3).

**operating expenditure factors**

For a **Transmission Network Service Provider** - the factors listed in clause 6A.6.6(e)(1)-(14).

For a **Distribution Network Service Provider** - the factors listed in clause 6.5.6(e)(1)-(12).

**operating expenditure objectives**

For a **Transmission Network Service Provider** – the objectives set out in clause 6A.6.6(a).

For a **Distribution Network Service Provider** – the objectives set out in clause 6.5.6(a).

**operational communication**

A communication concerning the arrangements for, or actual operation of, the **power system** in accordance with the **Rules**.

**operational frequency tolerance band**

The range of **frequency** within which the **power system** is to be operated to cater for the occurrence of a **contingency event** as specified in the **power system security standards**.

**optimal development path**

A development path identified by **AEMO** as the **optimal development path** in the most recent **Integrated System Plan** in accordance with rule 5.22.

**ordinary majority**

At least 60% of the number of **Members**.

**outage**

Any full or partial unavailability of equipment or **facility**.
outstandings
In relation to a Market Participant, the dollar amount determined by the formula in clause 3.3.9.

over frequency scheme
An emergency frequency control scheme with capability to respond when frequency is above or climbing above the normal operating frequency band.

over-recovery amount
Any amount by which the revenue earned from the provision of prescribed transmission services in previous regulatory years exceeds the sum of the AARR in those regulatory years.

overspending requirement
The requirement set out in clause S6.2.2A(c) or clause S6A.2.2A(c), as the case may be.

parent connection point
The connection point between an embedded network and a Network Service Provider's network.

Participant compensation fund
The fund of that name referred to in clause 3.16.

participant derogation
Has the meaning given in the National Electricity Law. The participant derogations are included in Chapter 8A.

Participant fees
The fees payable by Registered Participants described in clause 2.11.

participating jurisdiction
A jurisdiction that is a "participating jurisdiction" under the National Electricity Law.

PASA availability
The physical plant capability (taking ambient weather conditions into account in the manner described in the procedure prepared under clause 3.7.2(g)) of a scheduled generating unit, scheduled load or scheduled network service available in a particular period, including any physical plant capability that can be made available during that period, on 24 hours' notice.

pass through event
For a distribution determination - the events specified in clause 6.6.1(a1)
For a transmission determination – the events specified in clause 6A.7.3(a1).

payment date
The 20th business day after the end of a billing period.

peak load
Maximum load.
**performance incentive scheme parameters**

For a service target performance incentive scheme, those parameters that are published by the AER in respect of that scheme pursuant to clause 6A.7.4(c).

**performance standard**

A standard of performance that:

(a) is established as a result of it being taken to be an applicable performance standard in accordance with jurisdictional electricity legislation; and

(b) forms part of the terms and conditions of a connection agreement.

**performance standards commencement date**

For:

(a) Generators, Customers and Network Service Providers who plan, own, operate or control a facility located in a participating jurisdiction (other than Tasmania), the performance standards commencement date is, in relation to that facility, 16 November 2003; and

(b) Generators, Customers and Network Service Providers who plan, own, operate or control a facility located in Tasmania, the performance standards commencement date is, in relation to that facility, the date that Tasmania becomes a participating jurisdiction.

**physical plant capability**

The maximum MW output or consumption which an item of electrical equipment is capable of achieving for a given period.

**planned network event**

An event which has been planned by a Transmission Network Service Provider, AEMO or a Market Participant that is likely to materially affect network constraints in relation to a transmission system, including but not limited to:

(a) a network outage;

(b) the connection or disconnection of generating units or load;

(c) the commissioning or decommissioning of a network asset or the provision of new or modified network support and control ancillary services; and

(d) the provision of network support and control ancillary services under a network support agreement.

**plant**

In relation to a connection point, includes all equipment involved in generating, utilising or transmitting electrical energy.

**plant availability**

The active power capability of a generating unit (in MW), based on the availability of its electrical power conversion process and assuming no fuel supply limitations on the energy available for input to that electrical power conversion process.
**plant standard**

An Australian or international standard or a part thereof that:

(a) the Reliability Panel determines to be an acceptable alternative to a particular minimum access standard or automatic access standard for a particular class of plant, or

(b) a schedule in Chapter 5 establishes as an acceptable alternative to a particular minimum access standard or automatic access standard for a particular class of plant.

**PoLR cost procedures**

The procedures made by AEMO under clause 3.15.9A(l).

**PoLR liable entity**

Has the meaning given in clause 4A.F.8(a)(1).

**PoLR TI**

Has the meaning given in clause 4A.F.8(a)(2).

**positive change event**

For a Distribution Network Service Provider, a pass through event which entails the Distribution Network Service Provider incurring materially higher costs in providing direct control services than it would have incurred but for that event, but does not include a contingent project or an associated trigger event.

For a Transmission Network Service Provider, a pass through event which entails the Transmission Network Service Provider incurring materially higher costs in providing prescribed transmission services than it would have incurred but for that event, but does not include a contingent project or an associated trigger event.

**positive network support event**

A network support event which entails a Transmission Network Service Provider making higher network support payments in the preceding regulatory year than the amount of the network support payment allowance (if any) for that provider for that preceding regulatory year.

**positive pass through amount**

For a Transmission Network Service Provider, an amount (not exceeding the eligible pass through amount) proposed by the provider under clause 6A.7.3(c).

For a Distribution Network Service Provider, an amount (not exceeding the eligible pass through amount) proposed by the provider under clause 6.6.1(c) or 6.6.1AB(c).

**Note:**

The modification to this definition expires on 1 July 2024.

**postage-stamp basis**

A system of charging Network Users for transmission service or distribution service in which the price per unit is the same regardless of how much energy is used by the Network User or the location in the transmission network or distribution network of the Network User.
post-tax revenue model

For a Transmission Network Service Provider, the model prepared and published by the AER in accordance with clause 6A.5.2.

For a Distribution Network Service Provider, the model prepared and published by the AER in accordance with clause 6.4.1.

potential value

In relation to a transaction for a Market Participant, the dollar amount determined by the procedure in clause 3.3.14.

power factor

The ratio of the active power to the apparent power at a metering point.

power station

In relation to a Generator, a facility in which any of that Generator's generating units are located.

power system

The electricity power system of the national grid including associated generation and transmission and distribution networks for the supply of electricity, operated as an integrated arrangement or arrangements.

power system damping

The rate at which disturbances to the satisfactory operating state reduce in magnitude.

power system demand

The total load (in MW) supplied by the power system.

Power System Design Data Sheet

The data sheet published by AEMO under clause S5.5.7(a)(1).

Power System Model Guidelines

The guidelines published by AEMO under clause S5.5.7(a)(3).

Power System Setting Data Sheet

The data sheet published by AEMO under clause S5.5.7(a)(2).

power system frequency risk review

A review described in clause 5.20A.1(c).

power system operating procedures

The procedures to be followed by Registered Participants in carrying out operations and/or maintenance activities on or in relation to primary and secondary equipment connected to or forming part of the power system or connection points, as described in clause 4.10.1.

power system reserve constraint

A constraint in the central dispatch due to the need to provide or maintain a specified type and level of scheduled reserve.
**power system security**

The safe scheduling, operation and control of the power system on a continuous basis in accordance with the principles set out in jurisdictional electricity legislation.

**Note:**

The principles that will be set out in jurisdictional electricity legislation in the above definition will correspond to principles set out in clause 4.2.6 in the Rules applying in other participating jurisdictions.

**power system security standards**

The standards (other than the reliability standard and the system restart standard) governing power system security and reliability of the power system to be approved by the Reliability Panel on the advice of AEMO, but which may include but are not limited to standards for the frequency of the power system in operation and contingency capacity reserves (including guidelines for assessing requirements).

**power transfer**

The instantaneous rate at which active energy is transferred between connection points.

**power transfer capability**

The maximum permitted power transfer through a transmission or distribution network or part thereof.

**pre-adjusted locational component**

Has the meaning given to it in clause 6A.23.3(a).

**pre-adjusted non-locational component**

Has the meaning given to it in clause 6A.23.3(a).

**pre-dispatch**

Forecast of dispatch performed one day before the trading day on which dispatch is scheduled to occur.

**pre-dispatch schedule**

A schedule prepared in accordance with clause 3.8.20(a).

**preliminary program**

The program to be prepared by a Network Service Provider showing proposed milestones for connection and access activities as specified in clause 5.3.3(b)(6).

**preliminary statement**

Has the meaning given in clause 3.15.14(a).

**premises connection assets**

Has (in the context of Chapter 5A) the meaning given in clause 5A.A.1

**prescribed common transmission services**

*Prescribed transmission services* that provide equivalent benefits to
(a) all Transmission Customers who have a connection point with the relevant transmission network without any differentiation based on their location within the transmission system; and

(b) Transmission Network Service Providers in interconnected regions, without any differentiation based on the location of their direct or indirect connection or interconnection with the relevant transmission system.

**prescribed connection services**

Services that are either prescribed entry services or prescribed exit services.

**prescribed entry services**

Entry services that are prescribed transmission services by virtue of the operation of clause 11.6.11.

**prescribed exit services**

Exit services that are prescribed transmission services by virtue of the operation of clause 11.6.11 and exit services provided to Distribution Network Service Providers.

**prescribed shared transmission services**

Shared transmission services that are prescribed TUOS services or prescribed common transmission services.

**prescribed transmission service**

Any of the following services:

(a) a shared transmission service that:

   (1) does not exceed such network performance requirements (whether as to quality or quantity) as that shared transmission service is required to meet under any jurisdictional electricity legislation;

   (2) except to the extent that the network performance requirements which that shared transmission service is required to meet are prescribed under any jurisdictional electricity legislation, does not exceed such network performance requirements (whether as to quality or quantity) as are set out in schedule 5.1a or 5.1; or

   (3) is an above-standard system shared transmission service;

(b) services that are required to be provided by a Transmission Network Service Provider under the Rules, or in accordance with jurisdictional electricity legislation, to the extent such services relate to the provision of the services referred to in paragraph (a), including such of those services as are:

   (1) required by AEMO to be provided under the Rules, but excluding those acquired by AEMO under rule 3.11; and

   (2) necessary to ensure the integrity of a transmission network, including through the maintenance of power system security and assisting in the planning of the power system; or

(c) connection services that are provided by a Transmission Network Service Provider to another Network Service Provider to connect their networks
where neither of the Network Service Providers is a Market Network Service Provider,
but does not include a negotiated transmission service or a market network service.

**prescribed TUOS services or prescribed transmission use of system services:**

Prescribed transmission services that are not prescribed common transmission services, prescribed entry services or prescribed exit services, and that provide specific benefits to:

(a) Transmission Customers who have a connection point with the relevant transmission network, based on the location of that connection point within the transmission system; and

(b) Transmission Network Service Providers who have a direct or indirect connection or an interconnection with the relevant transmission network, based on the location of that connection or interconnection within the relevant transmission system.

**price band**

A MW quantity specified in a dispatch bid, dispatch offer or market ancillary service offer as being available for dispatch at a specified price.

**pricing methodology**

For a Transmission Network Service Provider, means the pricing methodology approved by the AER for that Transmission Network Service Provider and included in a transmission determination as referred to in rule 6A.24.

**pricing methodology guidelines**

Guidelines made by the AER under rule 6A.25 that contain the matters set out in clause 6A.25.2.

**pricing principles for direct control services**

The requirements set out in clause 6.18.5.

**Pricing Principles for Prescribed Transmission Services**

The principles set out in rule 6A.23.

**pricing proposal**

A pricing proposal under Part I of Chapter 6.

**pricing zone**

A geographic area within which Network Users are charged a specific set of distribution service prices.

**primary frequency control band**

In relation to the frequency of the power system, means the range 49.985Hz to 50.015Hz, or such other range as specified by the Reliability Panel in the power system security standards.
primary frequency response

An automatic change in a generating system's active power output, to oppose or arrest frequency changes, measured at or behind the generating system's connection point.

primary frequency response parameters

Has the meaning given in clause 4.4.2A.

Primary Frequency Response Requirements

The requirements developed, published and maintained by AEMO under clause 4.4.2A(a).

Primary Transmission Network Service Provider

The Transmission Network Service Provider who operates the largest transmission network in each participating jurisdiction but does not include a Transmission Network Service Provider for a declared transmission system.

profile

Metering data or costs for a longer period than a recording interval allocated into recording intervals.

project developer

A person whose application to AEMO under clause 3.13.3AA(b) has been granted pursuant to clause 3.13.3AA(c)(1) and not subsequently revoked pursuant to clause 3.13.3AA(c)(2).

projected assessment of system adequacy process ("PASA")

The medium term and short term processes described in clause 3.7 to be administered by AEMO.

Proponent

In respect of clause 5.7.7 has the meaning given in clause 5.7.7(a).

proposed contingent capital expenditure

For a Distribution Network Service Provider, the total forecast capital expenditure for the relevant proposed contingent project, as included in the regulatory proposal for that project.

For a Transmission Network Service Provider, the total forecast capital expenditure for the relevant proposed contingent project, as included in the Revenue Proposal for that project.

proposed contingent project

A proposal by a Distribution Network Service Provider as part of a regulatory proposal for a project to be determined by the AER as a contingent project for the purposes of a distribution determination accordance with clause 6.6A.1(b)(1).

A proposal by a Transmission Network Service Provider as part of a Revenue Proposal for a project to be determined by the AER as a contingent project for the purposes of a revenue determination in accordance with clause 6A.8.1(b)(1).
prospective reallocation

A reallocation transaction that occurs in a trading interval that takes place at a time after the reallocation request is made.

protected event

Has the meaning given in clause 4.2.3(f).

protected event EFCS standard

For an emergency frequency control scheme means the standard for the scheme determined by the Reliability Panel under clause 8.8.4 setting out:

(a) a general description of the scheme including how it is proposed to operate and the new, existing or modified facilities likely to comprise the scheme; and

(b) the target capabilities applicable to the scheme.

protected information

Has the meaning given in the National Electricity Law.

protection system

A system, which includes equipment, used to protect a Registered Participant's facilities from damage due to an electrical or mechanical fault or due to certain conditions of the power system.

prudential requirements

The requirements which must be satisfied as a condition of eligibility to remain a Market Participant in accordance with clause 3.3.

publish/publication

A document is published by the AER if it is:

(a) published on the AER's website; and

(b) made available for public inspection at the AER's public offices; and

(c) in the case of a document inviting submissions from members of the public – published in a newspaper circulating generally throughout Australia.

In Part B of Chapter 5, a document is published by the Distribution Network Service Provider if it is published on the Distribution Network Service Provider's website.

Otherwise, a document is published by someone else if it is made available to Registered Participants electronically.

ramp rate

The rate of change of active power (expressed as MW/minute) required for dispatch.

rated active power

(1) In relation to a generating unit, the maximum amount of active power that the generating unit can continuously deliver at the connection point when operating at its nameplate rating.
(2) In relation to a generating system, the combined maximum amount of active power that its in-service generating units can deliver at the connection point, when its in-service generating units are operating at their nameplate ratings.

reactive energy

A measure, in varhour (varh), of the alternating exchange of stored energy in inductors and capacitors, which is the time-integral of the product of voltage and the out-of-phase component of current flow across a connection point.

reactive plant

Plant which is normally specifically provided to be capable of providing or absorbing reactive power and includes the plant identified in clause 4.5.1(g).

reactive power

The rate at which reactive energy is transferred. Reactive power is a necessary component of alternating current electricity which is separate from active power and is predominantly consumed in the creation of magnetic fields in motors and transformers and produced by plant such as:

(a) alternating current generators;
(b) capacitors, including the capacitive effect of parallel transmission wires; and
(c) synchronous condensers.

reactive power capability

The maximum rate at which reactive energy may be transferred from a generating unit to a connection point as specified or proposed to be specified in a connection agreement (as the case may be).

reactive power reserve

Unutilised sources of reactive power arranged to be available to cater for the possibility of the unavailability of another source of reactive power or increased requirements for reactive power.

reactive power support / reactive support

The provision of reactive power.

reactor

A device, similar to a transformer, specifically arranged to be connected into the transmission system during periods of low load demand or low reactive power demand to counteract the natural capacitive effects of long transmission lines in generating excess reactive power and so correct any transmission voltage effects during these periods.

real estate developer

Has the meaning given in clause 5A.A.1.

real estate development

Has the meaning given in clause 5A.A.1.
reallocation

A process under which two Market Participants request AEMO to make matching debits and credits to the position of those Market Participants with AEMO.

reallocation amount

In respect of a Market Participant, the positive or negative dollar amount in respect of a reallocation transaction being an amount payable to or by the Market Participant.

reallocation procedures

The procedures published by AEMO under clause 3.15.11A.

reallocation request

A request to AEMO for a reallocation, pursuant to clause 3.15.11(c).

reallocation transaction

A transaction which occurs when the applicable trading interval specified in a reallocation request occurs and the reallocation request has been registered and not deregistered before the expiration of the trading interval.

Reallocator

A person registered as a Reallocator by AEMO in accordance with rule 2.5B.

rebid

A variation to a bid or offer made in accordance with clause 3.8.22(b).

reconnect, reconnected, reconnection

The operation of switching equipment or other action so as to enable the flow of electricity at a connection point following a disconnection.

recording interval

A 30 minute period ending on the hour (Australian Central Standard Time) or on the half-hour and, if identified by a time, means the 30 minute period ending at that time.

Referred Affected Participant

An Affected Participant who has a claim referred to an independent expert pursuant to clauses 3.12.2(l) or 3.12.2(m).

Referred Directed Participant

A Directed Participant who has a claim referred to an independent expert pursuant to clauses 3.15.7B(c) or 3.15.7B(d).

Referred Market Customer

A Market Customer who has a claim referred to an independent expert pursuant to clauses 3.12.2(l) or 3.12.2(m).

Referred Market Suspension Compensation Claimant

A Market Suspension Compensation Claimant who has a claim referred to an independent expert pursuant to clauses 3.14.5B(f) or 3.14.5B(g).
region, regional
An area determined by the AEMC in accordance with Chapter 2A, being an area served by a particular part of the transmission network containing one or more major load centres or generation centres or both.

regional benefit directions procedures
Has the meaning given in clause 3.15.8(b2).

regional reference node
A location on a transmission or distribution network to be determined for each region by the AEMC in accordance with Chapter 2A.

regional reference price
Spot price at the regional reference node.

regional specific power system operating procedures
The procedures described in clause 4.10.1(a)(3).

Regions Publication
The document published by AEMO under clause 2A.1.3 that provides a list of all regions, regional reference nodes and the region to which each market connection point is assigned.

Registered Participant
Each of the following:
(a) a Registered participant as defined in the National Electricity Law;
(b) for the purposes of the Rules, other than Chapter 5, Part A – a Metering Coordinator;
(c) as set out in clause 8.6.1A, for the purposes of Chapter 8, Part C – a Metering Provider or Metering Data Provider.

Registered Participant Agent
An agent of a Registered Participant appointed under clause 4.11.5.

registration category
Has the meaning given in clause 3.15.21(c1)(1).

regulated interconnector
An interconnector which is referred to in clause 11.8.2 of the Rules and is subject to transmission service regulation and pricing arrangements in Chapter 6A.

regulating capability
The capability to perform regulating duty.

regulating capability constraints
Constraints on the formulation of a realisable dispatch or predispatch schedule due to the need to provide for regulating capability.
regulating duty

In relation to a generating unit, the duty to have its generated output adjusted frequently so that any power system frequency variations can be corrected.

regulating lower service

The service of controlling the level of generation or load associated with a particular facility, in accordance with the requirements of the market ancillary service specification, in accordance with electronic signals from AEMO in order to lower the frequency of the power system.

regulating raise service

The service of controlling the level of generation or load associated with a particular facility, in accordance with the requirements of the market ancillary service specification, in accordance with electronic signals from AEMO in order to raise the frequency of the power system.

regulation services

The regulating raise service and regulating lower service.

regulatory change event

A change in a regulatory obligation or requirement that:

(a) falls within no other category of pass through event; and
(b) occurs during the course of a regulatory control period; and
(c) substantially affects the manner in which the Transmission Network Service Provider provides prescribed transmission services or the Distribution Network Service Provider provides direct control services (as the case requires); and
(d) materially increases or materially decreases the costs of providing those services.

regulatory control period

In respect of a Network Service Provider, a period of not less than 5 regulatory years for which the provider is subject to a control mechanism imposed by a distribution determination.

regulatory information instrument

Has the meaning given in the National Electricity Law.

regulatory investment test for distribution

The test developed and published by the AER in accordance with clauses 5.17.1 and 5.17.2, as in force from time to time, and includes amendments made in accordance with clause 5.17.2.

regulatory investment test for transmission

The test developed and published by the AER in accordance with clauses 5.15A.1 and 5.16.2 as in force from time to time, and includes amendments made in accordance with clause 5.16.2.
regulatory obligation or requirement

Has the meaning assigned in the Law.

regulatory proposal

A proposal (by a Distribution Network Service Provider) under rule 6.8.

regulatory year

Each consecutive period of 12 calendar months in a regulatory control period, the first such 12 month period commencing at the beginning of the regulatory control period and the final 12 month period ending at the end of the regulatory control period. For AEMO, each financial year is a regulatory year.

related body corporate

In relation to a body corporate, a body corporate that is related to the first-mentioned body by virtue of the Corporations Act 2001 (Cth).

releasable user guide

A document associated with a functional block diagram and model source code provided under clause S5.2.4(b) (combined, forming the model), that contains sufficient information to enable a Registered Participant to use model source code provided under clause 3.13.3(l) to carry out power system studies for planning and operational purposes. The information in a releasable user guide must include, but is not limited to:

(1) the model parameters and their values;
(2) information about how the model parameter values vary with the operating state or output level of the plant or with the operating state or output level of any associated plant;
(3) instructions relevant to the use and operation of the model source code provided under clause 3.13.3(l);
(4) settings of protection systems that are relevant to load flow or dynamic simulation studies;
(5) information provided in accordance with Schedule 5.5 only to the extent that the information is not a part of the model or the model parameters and that is reasonably necessary to allow modelling of the generating unit, generating system or related plant in power system load flow or dynamic simulation studies;
(6) connection point details including its parameters and values, location, network augmentations or modifications and other relevant connection information;
(7) in regards to any relevant generating unit or generating system, the date on which any of the following has occurred or is expected to occur:
   (i) an application to connect is made under clause 5.3.4(a);
   (ii) a connection agreement is entered into under clause 5.3.7;
   (iii) the Generator submits a proposal to alter a connected generating system or a generating system, for which performance standards have previously been accepted by AEMO, under clause 5.3.9;
(iv) the Generator is notified that the Network Service Provider and AEMO are satisfied with the proposed alterations to the generating plant under clause 5.3.10;

(v) connection;

(vi) commencement of commissioning; and

(vii) conclusion of commissioning; and

(8) the date this document was prepared or updated.

**relevant AEMO intervention event**

A AEMO intervention event that involves the exercise of the reliability and emergency reserve trader in accordance with rule 3.20 as referred to in paragraph (b) of the definition of AEMO intervention event.

**relevant tax**

Any tax payable by a Transmission Network Service Provider or a Distribution Network Service Provider other than:

(a) income tax and capital gains tax;

(b) stamp duty, financial institutions duty and bank accounts debits tax;

(c) penalties, charges, fees and interest on late payments, or deficiencies in payments, relating to any tax; or

(d) any tax that replaces or is the equivalent of or similar to any of the taxes referred to in paragraphs (a) to (b) (including any State equivalent tax).

**Relevant Transmission Network Service Provider, Relevant TNSP**

In respect of clause 5.7.7 has the meaning given in clause 5.7.7(a).

**reliability**

The probability of a system, device, plant or equipment performing its function adequately for the period of time intended, under the operating conditions encountered.

**reliability and emergency reserve trader (RERT)**

The actions taken by AEMO as referred to in clause 3.20.2, in accordance with rule 3.20, to ensure reliability of supply.

**reliability augmentation**

A transmission network augmentation that is necessitated principally by inability to meet the minimum network performance requirements set out in schedule 5.1 or in relevant legislation, regulations or any statutory instrument of a participating jurisdiction.

**reliability forecast**

For a region for a financial year, means the forecast of whether there is forecast reliability gap for that region in that year and, when used in reference to a statement of opportunities, means the forecast for the financial year in which the statement of opportunities is published and the subsequent four financial years in that statement of opportunities. A reliability forecast includes an updated reliability forecast under clause 3.13.3A(b).
Reliability Forecast Guidelines

The guidelines made by AEMO under clause 4A.B.4.

reliability gap period

Has the meaning given in the National Electricity Law.

Reliability Panel

The panel established by the AEMC under section 38 of the National Electricity Law.

reliability settings

The following market settings:
(a) the market price cap;
(b) the cumulative price threshold;
(c) the market floor price; and
(d) the administered price cap.

reliability standard

The standard specified in clause 3.9.3C(a).

reliability standard and settings guidelines

The guidelines developed under clause 3.9.3A(a).

reliability standard and settings review

A review of the reliability standard and the reliability settings, including the manner of indexing the market price cap and the cumulative price threshold, conducted in accordance with clause 3.9.3A.

reliability standard implementation guidelines

The guidelines developed under clause 3.9.3D.

reliable

The expression of a recognised degree of confidence in the certainty of an event or action occurring when expected.

reliable operating state

In relation to the power system, has the meaning set out in clause 4.2.7.

remote acquisition

The acquisition of interval metering data from a telecommunications network connected to a metering installation that:
(a) does not, at any time, require the presence of a person at, or near, the interval metering installation for the purposes of data collection or data verification (whether this occurs manually as a walk-by reading or through the use of a vehicle as a close proximity drive-by reading); and
(b) includes but is not limited to methods that transmit data via:
   (1) fixed-line telephone ('direct dial-up');
   (2) satellite;
(3) the internet;
(4) wireless or radio, including mobile telephone networks;
(5) power line carrier; or
(6) any other equivalent technology.

Note:
For the requirements of clause 7.8.9(b) remote acquisition may collect data other than interval metering data.

remote control equipment
Equipment used to control the operation of elements of a power station or substation from a control centre.

remote monitoring equipment
Equipment installed to enable monitoring of a facility from a control centre.

representative
In relation to a person, any employee, agent or professional adviser of:
(a) that person; or
(b) a related body corporate of that person; or
(c) a third party contractor to that person.

required pass through amount
In respect of a negative change event for a Transmission Network Service Provider, the costs in the provision of prescribed transmission services that, as a result of that negative change event, the Transmission Network Service Provider has saved and is likely to save (as opposed to the revenue impact of that event) until:
(a) unless paragraph(b) applies – the end of the regulatory control period in which the negative change event occurred; or
(b) if the transmission determination for the regulatory control period following that in which the negative change event occurred does not make any allowance for the pass through of the saved costs (whether or not in the forecast operating expenditure or forecast capital expenditure accepted or substituted by the AER for that regulatory control period) – the end of the regulatory control period following that in which the negative change event occurred.

In respect of a negative change event for a Distribution Network Service Provider, the costs in the provision of direct control services that, as a result of the negative change event, the Distribution Network Service Provider has saved and is likely to save (as opposed to the revenue impact of that event) until:
(a) unless paragraph(b) applies – the end of the regulatory control period in which the negative change event occurred; or
(b) if the distribution determination for the regulatory control period following that in which the negative change event occurred does not make any allowance for the pass through of the saved costs (whether or not in the forecast operating expenditure or forecast capital expenditure accepted or
substituted by the AER for that regulatory control period) – the end of the regulatory control period following that in which the negative change event occurred.

In respect of an NT negative change event for a Distribution Network Service Provider, the costs in the provision of direct control services or NT equivalent services that, as a result of the NT negative change event, the Distribution Network Service Provider has saved and is likely to save (as opposed to the revenue impact of that event) until the end of the 1st regulatory control period.

**Note:**
The modification to this definition expires on 1 July 2024.

**RERT guidelines**
The guidelines developed and published by the Reliability Panel under clause 3.20.8.

**RERT principles**
The principles referred to in clause 3.20.2(b).

**reserve**
Scheduled reserve or unscheduled reserve.

**reserve contract**
A scheduled reserve contract or an unscheduled reserve contract.

**reserve level declaration guidelines**
The guidelines published by AEMO under clause 4.8.4A(a).

**response breakpoint**
(a) In relation to a market ancillary service offer to raise the frequency of the power system, the level of associated generation or load (in MW) above which the amount of response specified in the offer reduces with increased generation or load level; and

(b) In relation to a market ancillary service offer to lower the frequency of the power system, the level of associated generation or load (in MW) below which the amount of response specified in the offer reduces with decreased generation or load level.

**response capability**
(a) In relation to a market ancillary service offer to raise the frequency of the power system, the amount of the response in (MW) which is specified in the offer for every level of associated generation or load below the associated response breakpoint; and

(b) In relation to a market ancillary service offer to lower the frequency of the power system, the amount of the response in (MW) which is specified in the offer for every level of associated generation or load above the associated response breakpoint.

**responsible person**
For the purposes of the National Energy Retail Law, the Metering Coordinator.
Note:
References to 'responsible person' in the Rules or a document produced under the Rules are deemed to be references to the Metering Coordinator under clause 11.86.4.

**restricted asset**

An item of equipment that is electrically connected to a retail customer's connection point at a location that is on the same side of that connection point as the metering point, but excludes:

(a) such an item of equipment where that retail customer is a Distribution Network Service Provider and that Distribution Network Service Provider is the Local Network Service Provider for that connection point; or

(b) a network device.

**retail billing period**

Has (in the context of Chapter 6B) the meaning given in clause 6B.A1.2.

**retail customer**

Has the same meaning as in the National Electricity Law.

Note:
In the context of Chapter 5A, the above definition has been supplemented by a definition specifically applicable to that Chapter. See clause 5A.A.1.

**Retail Market Procedures**

Procedures made under these Rules for or in connection with the sale and supply of electricity to retail customers or the operation of retail electricity markets including:

(a) B2B procedures; and

(b) the Market Settlement and Transfer Solution Procedures; and

(c) the metrology procedures; and

(d) other procedures dealing with, or incidental to, the retail sale or supply of electricity or related services.

**retailer**

Has the same meaning as in the National Electricity Law.

Otherwise, a Customer who engages in the activity of selling electricity to end users.

**retailer insolvency costs**

For a Distribution Network Service Provider:

(a) billed but unpaid charges;

(b) the actual amount of unbilled network charges accrued by a failed retailer; and

(c) other costs that the Distribution Network Service Provider has incurred or is likely to incur as a result of a retailer insolvency event.
retailer insolvency event
The failure of a retailer during a regulatory control period, to pay a Distribution Network Service Provider an amount to which the service provider is entitled for the provision of direct control services, if:
(a) an insolvency official has been appointed in respect of that retailer; and
(b) the Distribution Network Service Provider is not entitled to payment of that amount in full under the terms of any credit support provided in respect of that retailer.

Retailer Member
A person nominated and elected as a Member by Retailer Member Voters to represent Retailer Member Voters in accordance with the Rules (including clause 7.17.10(f)) and Information Exchange Committee Election Procedures.

Retailer Member Voters
Retailers and Local Retailers.

retailer planned interruption
(a) In a participating jurisdiction where the National Energy Retail Rules apply as a law of that participating jurisdiction, has the meaning given in the National Energy Retail Rules.
(b) Otherwise, if defined in jurisdictional electricity legislation, has the meaning given in jurisdictional electricity legislation.

revenue determination
A determination referred to in clause 6A.2.2(1) and rule 6A.4 as substituted (if at all) pursuant to clause 6A.7.1 or rule 6A.15 or as amended pursuant to clause 6A.8.2.

Revenue Proposal
For a Transmission Network Service Provider, a proposal submitted or resubmitted by the Transmission Network Service Provider to the AER pursuant to clause 6A.10.1(a), clause 6A.11.2 or clause 6A.12.3(a) (as the context requires).

review
An examination of the specified matters conducted to the standard specified for a "review" in Auditing Standard AUS106: "Explanatory Framework for standards on Audit and Audit Related Services" prepared by the Auditing Standards Board, as varied from time to time.

revised statement
A statement issued by AEMO under clause 3.15.19 following the resolution of a dispute regarding a final statement.

rise time
In relation to a control system, the time taken for an output quantity to rise from 10% to 90% of the maximum change induced in that quantity by a step change of an input quantity.
RMS phase voltage

The voltage of supply measured as the average of the root mean square of the voltages between each pair of phases.

roll forward model

According to context:

(a) the model developed and published by the AER for the roll forward of the regulatory asset base for transmission systems in accordance with clause 6A.6.1;

(b) the model developed and published by the AER for the roll forward of the regulatory asset base for distribution systems in accordance with clause 6.5.1.

RoLR cost recovery scheme distributor payment determination

Has the same meaning as in the National Energy Retail Law.

RoLR Procedures

Has the same meaning as in the National Energy Retail Law.

RoLR

Has the same meaning as in the National Energy Retail Law.

routine revised statement

A settlement statement issued by AEMO under clause 3.15.19(b).

Rule fund

A fund referred to in clause 1.11(a).

Rules

The National Electricity Rules as defined in section 2(1) of the National Electricity Law.

Rules bodies

Any person or body, other than AEMO, the AER, the AEMC, or the ACCC, that is appointed or constituted by the Rules to perform functions under the Rules.

Rules consultation procedures

The procedures for consultation with Registered Participants or other persons as set out in clause 8.9.

satisfactory operating state

In relation to the power system, has the meaning given in jurisdictional electricity legislation.

Note:

The meaning given in jurisdictional electricity legislation in the above definition will correspond to the meaning given in clause 4.2.2 in the Rules applying in other participating jurisdictions.

scheduled generating unit

(a) A generating unit so classified in accordance with Chapter 2.
(b) For the purposes of Chapter 3 (except clause 3.8.3A(b)(1)(iv)) and rule 4.9, two or more generating units referred to in paragraph (a) that have been aggregated in accordance with clause 3.8.3.

scheduled generating system

A generating system comprising scheduled generating units.

Scheduled Generator

A Generator in respect of which any generating unit is classified as a scheduled generating unit in accordance with Chapter 2.

scheduled high price

The dollar amount per MWh or MW, as the case may be, determined as such by AEMO pursuant to clause 3.3.17.

scheduled load

(a) A market load which has been classified by AEMO in accordance with Chapter 2 as a scheduled load at the Market Customer's request. Under Chapter 3, a Market Customer may submit dispatch bids in relation to scheduled loads.

(b) For the purposes of Chapter 3 (except clause 3.8.3A(b)(1)(ii)) and rule 4.9, two or more scheduled loads referred to in paragraph (a) that have been aggregated in accordance with clause 3.8.3.

scheduled low price

The dollar amount per MWh or MW, as the case may be, determined as such by AEMO pursuant to clause 3.3.17.

scheduled network service

(a) A network service which is classified as a scheduled network service in accordance with Chapter 2.

(b) For the purposes of Chapter 3 (except clause 3.8.3A(b)(1)(ii)) and rule 4.9, two or more scheduled network services referred to in paragraph (a) that have been aggregated in accordance with clause 3.8.3.

Scheduled Network Service Provider

A Network Service Provider who has classified any of its network services as a scheduled network service.

scheduled plant

In respect of a Registered Participant, a scheduled generating unit, a semi-scheduled generating unit, a scheduled network service or a scheduled load classified by or in respect to that Registered Participant in accordance with Chapter 2.

scheduled reserve

The amount of surplus or unused capacity:

(a) of scheduled generating units;

(b) of scheduled network services; or
(c) arising out of the ability to reduce scheduled loads.

**scheduled reserve contract**

A contract entered into by AEMO for the provision of scheduled reserve in accordance with rule 3.20.

**scheduling error**

Scheduling error means any of the events described in clause 3.8.24(a).

**secondary equipment**

Those assets of a Market Participant's facility which do not carry the energy being traded, but which are required for control, protection or operation of assets which carry such energy.

**Second-Tier Customer**

A Customer which has classified any load as a second-tier load in accordance with Chapter 2.

**second-tier load**

Electricity purchased at a connection point in its entirety other than directly from the Local Retailer or the spot market and which is classified as a second-tier load in accordance with Chapter 2.

**secure operating level of inertia**

For an inertia sub-network, the secure operating level of inertia determined by AEMO and referred to in clause 5.20B.2(b)(2).

**secure operating state**

In relation to the power system, has the meaning given in jurisdictional electricity legislation.

**Note:**

The meaning given in jurisdictional electricity legislation in the above definition will correspond to the meaning given in clause 4.2.4 in the Rules applying in other participating jurisdictions.

**self-commitment, self-commit**

Commitment, where the decision to commit a generating unit was made by the relevant Generator without instruction or direction from AEMO.

**self-decommitment**

Decommitment, where the decision to decommit a generating unit was made by the relevant Generator without instruction or direction from AEMO.

**semi-dispatch interval**

For a semi-scheduled generating unit, a dispatch interval for which either:

(a) a network constraint would be violated if the semi-scheduled generating unit's generation were to exceed the dispatch level specified in the related dispatch instruction at the end of the dispatch interval; or

(b) the dispatch level specified in that dispatch instruction is less than the unconstrained intermittent generation forecast at the end of the dispatch interval,
and which is notified by AEMO in that dispatch instruction to be a semi-dispatch interval.

**self-dispatch level**

The level of generation in MW, as specified in a dispatch offer for a generating unit and a trading interval, which is the level at which that generating unit must be dispatched by AEMO in that trading interval unless otherwise dispatched in accordance with clause 3.8 or unless required to operate under a direction issued by AEMO in accordance with clause 4.8.9.

**semi-scheduled generating system**

A generating system comprising semi-scheduled generating units.

**semi-scheduled generating unit**

(a) A generating unit classified in accordance with clause 2.2.7.

(b) For the purposes of Chapter 3 and rule 4.9, two or more generating units referred to in paragraph (a) that have been aggregated in accordance with clause 3.8.3.

**Semi-Scheduled Generator**

A Generator in respect of which any generating unit is classified as a semi-scheduled generating unit in accordance with Chapter 2.

**sensitive loads**

Loads defined as sensitive for each participating jurisdiction by the Jurisdictional System Security Coordinator for that participating jurisdiction.

**sent out generation**

In relation to a generating unit, the amount of electricity supplied to the transmission or distribution network at its connection point.

**Service Applicant**

A person who asks a Distribution Network Service Provider for access to a distribution service.

**service level procedures**

The procedures established by AEMO in accordance with clause 7.16.6.

**service standard event**

A legislative or administrative act or decision that:

(a) has the effect of:

(i) substantially varying, during the course of a regulatory control period, the manner in which a Transmission Network Service Provider is required to provide a prescribed transmission service, or a Distribution Network Service Provider is required to provide a direct control service; or

(ii) imposing, removing or varying, during the course of a regulatory control period, minimum service standards applicable to prescribed transmission services or direct control services; or
(iii) altering, during the course of a regulatory control period, the nature or scope of the prescribed transmission services or direct control services, provided by the service provider; and

(b) materially increases or materially decreases the costs to the service provider of providing prescribed transmission services or direct control services.

**service target performance incentive scheme**

A For a Transmission Network Service Provider – a scheme developed and published by the AER in accordance with clause 6A.7.4.

For a Distribution Network Service Provider – a scheme developed and published by the AER in accordance with clause 6.6.2.

**settlement amount**

The amount calculated by AEMO pursuant to clause 3.15.12.

**settlement statement**

Includes an interim statement, preliminary statement and final statement.

**settlements**

The activity of producing bills and credit notes in markets operated or administered by NTESMO.

**settlement ready data**

The metering data that has undergone a validation and substitution process by NTESMO for the purposes of settlements and is held in the metering database.

**settlements residue**

Any surplus or deficit of funds retained by AEMO upon completion of settlements to all Market Participants in respect of a trading interval, being either inter-regional settlements residue or intra-regional settlements residue.

**settlements residue committee**

The committee established by AEMO in accordance with clause 3.18.5.

**settlements residue distribution agreement or SRD agreement**

Has the meaning given in clause 3.18.1(b).

**settling time**

In relation to a control system, the time measured from initiation of a step change in an input quantity to the time when the magnitude of error between the output quantity and its final settling value remains less than 10% of:

(a) if the sustained change in the quantity is less than half of the maximum change in that output quantity, the maximum change induced in that output quantity; or

(b) the sustained change induced in that output quantity.

**Shared Asset Guidelines**

Guidelines made by the AER under clause 6.4.4(d) or clause 6A.5.5(d), as the case may be.
**shared asset principles**

Has the meaning given to it by clause 6.4.4(c) or clause 6A.5.5(c), as the case may be.

**shared customer**

Has (in the context of Chapter 6B) the meaning given in clause 6B.A1.2.

**shared distribution service**

A service provided to a Distribution Network User for use of a distribution network for the conveyance of electricity (including a service that ensures the integrity of the related distribution system).

**shared network capability service**

Has the meaning given in the National Electricity Law.

**shared transmission service**

A service provided to a Transmission Network User for use of a transmission network for the conveyance of electricity (including a service that ensures the integrity of the related transmission system).

**short circuit fault**

A fault having a metallic conducting path between any two or more conductors or between any conductor and ground, including touching conductors and faults through earthing facilities, and excluding faults within equipment at a station.

**short term PASA**

The PASA in respect of the period described in clause 3.7.3(b), as described under clause 3.7.3.

**short term PASA inputs**

The inputs to be prepared in accordance with clauses 3.7.3(d) and (e).

**shunt capacitor**

A type of plant connected to a network to generate reactive power.

**shunt reactor**

A type of plant connected to a network to absorb reactive power.

**single contingency**

In respect of a transmission or distribution network and Network Users, a sequence of related events which result in the removal from service of one Network User, transmission or distribution line, or transformer. The sequence of events may include the application and clearance of a fault of defined severity.

**slow lower service**

The service of providing, in accordance with the requirements of the market ancillary service specification, the capability of controlling the level of generation or load associated with a particular facility in response to the locally sensed frequency of the power system in order to stabilise a rise in that frequency.
slow raise service

The service of providing, in accordance with the requirements of the market ancillary service specification, the capability of controlling the level of generation or load associated with a particular facility in response to the locally sensed frequency of the power system in order to stabilise a fall in that frequency.

slow start generating unit

A generating unit described in clause 3.8.17(a).

slow start reserve generating unit

A slow start generating unit providing scheduled reserve.

small customer

(a) In a participating jurisdiction where the National Energy Retail Law applies as a law of that participating jurisdiction, has the meaning given in the National Energy Retail Law.

(b) Otherwise, has the meaning given in jurisdictional electricity legislation.

small customer metering installation

A metering installation in respect of the connection point of a small customer which meets the minimum services specification or which is required to meet the minimum services specification under clause 7.8.3(a), clause 7.8.4(c) or clause 7.8.4(h)(2).

small dedicated connection asset

A dedicated connection asset that is not a large dedicated connection asset.

small generating unit

A generating unit:

(a) with a nameplate rating that is less than 30MW; and

(b) which is owned, controlled or operated by a person that AEMO has exempted from the requirement to register as a Generator in respect of that generating unit in accordance with clause 2.2.1(c).

Small Generation Aggregator

A person who:

(a) intends to supply, or supplies, electricity from one or more small generating units that are connected to a transmission or distribution system; and

(b) is registered by AEMO as a Small Generation Aggregator under Chapter 2.

small-scale incentive scheme

A scheme developed and published by the AER in accordance with clause 6.6.4 or clause 6A.7.5, as the case may be.

Special Participant

A System Operator or a Distribution System Operator.

special revised statement

A settlement statement issued by AEMO under clause 3.15.19(a)(3).
spot market

The spot market established and operated by AEMO in accordance with clause 3.4.1.

spot market transaction

A transaction as defined pursuant to clause 3.15.6 which occurs in the spot market.

spot price

The price for electricity in a trading interval at a regional reference node or a connection point as determined in accordance with clause 3.9.2.

spot price forecast

A forecast of the spot price.

SRAS Guideline

The guideline developed and published by AEMO in accordance with clause 3.11.7(c) as in force from time to time and includes amendments made in accordance with clauses 3.11.7(f) and 3.11.7(g).

SRAS Objective

The objective for system restart ancillary services is to minimise the expected costs of a major supply disruption, to the extent appropriate having regard to the national electricity objective.

SRAS Provider

A person who agrees to provide one or more system restart ancillary services to AEMO under an ancillary services agreement.

SRAS Procurement Objective

Has the meaning given in clause 3.11.7(a1).

SRD unit

A unit that represents a right for an eligible person to receive a portion of the net settlements residue under clause 3.6.5 allocated to a directional interconnector for the period specified in a SRD agreement entered into between that eligible person and AEMO in respect of that right.

stand-alone amount

For a category of prescribed transmission services, the costs of a transmission system asset that would have been incurred had that transmission system asset been developed, exclusively to provide that category of prescribed transmission services.

standard connection service

Has (in the context of Chapter 5A) the meaning given in clause 5A.A.1.

standard control service

A direct control service that is subject to a control mechanism based on a Distribution Network Service Provider's total revenue requirement.
Standards Australia

The Standards Association of Australia and includes its heirs or successors in business.

statement of charges

Has (in the context of Chapter 6B) the meaning given in clause 6B.A1.2.

statement of opportunities

A statement prepared by AEMO to provide information to assist Scheduled Generators, Semi-Scheduled Generators, Transmission Network Service Providers and Market Participants in making an assessment of the future need for electricity generating or demand management capacity or augmentation of the power system.

static excitation system

An excitation control system in which the power to the rotor of a synchronous generating unit is transmitted through high power solid-state electronic devices.

static VAR compensator

A device specifically provided on a network to provide the ability to generate and absorb reactive power and to respond automatically and rapidly to voltage fluctuations or voltage instability arising from a disturbance or disruption on the network.

substation

A facility at which two or more lines are switched for operational purposes. May include one or more transformers so that some connected lines operate at different nominal voltages to others.

substituted metering data

The substituted values of accumulated metering data, interval metering data or calculated metering data prepared in accordance with schedule 7A.7. Substituted metering data is held in a metering data services database.

super majority

At least 70% of the number of Members.

supplementary carbon dioxide equivalent intensity indicator

Any indicators relating to a subset of scheduled generating units and market generating units published by AEMO in accordance with clause 3.13.14(h).

supply

The delivery of electricity.

supply service

Has (in the context of Chapter 5A) the meaning given in clause 5A.A.1

survey period

An agreed sample period used to determine the allocation of costs and prices for use of transmission network or distribution network assets.
suspended region
A region in which the spot market is suspended in accordance with clause 3.14.4.

suspension notice
A notice issued by AEMO to a defaulting Market Participant pursuant to clause 3.15.21(c) or (c1) under which AEMO notifies the defaulting Market Participant:
(a) of the date and time from which it is suspended from specified activities;
(b) the registration categories of the defaulting Market Participant to which the suspension relates; and
(c) in respect of the registration categories referred to in paragraph (b), the activities (or subset of activities) of the Market Participant that have been suspended.

switchyard
The connection point of a generating unit into the network, generally involving the ability to connect the generating unit to one or more outgoing network circuits.

Sydney time
Eastern Standard Time or Eastern Daylight Saving Time as applicable in Sydney.

synchronise
The act of synchronising a generating unit or a scheduled network service to the power system.

synchronising, synchronisation
To electrically connect a generating unit or a scheduled network service to the power system.

synchronous condensors
Apparatus or equipment similar in construction to a synchronous generating unit, which operates at the equivalent speed of the frequency of the power system.

synchronous generating unit
The alternating current generators of most thermal and hydro (water) driven power turbines which operate at the equivalent speed of the frequency of the power system in its satisfactory operating state.

synchronous generator voltage control
The automatic voltage control system of a generating unit of the synchronous generator category which changes the output voltage of the generating unit through the adjustment of the generator rotor current and effectively changes the reactive power output from that generating unit.

System Operator
A person whom AEMO has engaged as its agent, or appointed as its delegate, under clause 4.3.3 to carry out some or all of AEMO’s rights, functions and obligations under Chapter 4 of the Rules and who is registered by AEMO as a System Operator under Chapter 2.
**system restart ancillary service or SRAS**

A service provided by facilities with black start capability which allows:
(a) energy to be supplied; and
(b) a connection to be established, sufficient to restart large generating units following a major supply disruption.

**system restart plan**

The plan described in clause 4.8.12(a).

**system restart standard**

The standard as determined by the Reliability Panel in accordance with clause 8.8.3(aa), for the acquisition of system restart ancillary services.

**system standard**

A standard for the performance of the power system as set out in jurisdictional electricity legislation that:
(a) is necessary for the safe and reliable operation of the power system;
(b) is necessary for the safe and reliable operation of the facilities of Registered Participants; and
(c) is consistent with good electricity industry practice.

**system strength connection works**

Investment in a transmission or distribution system in order to remedy or avoid an adverse system strength impact arising from establishing a connection for a generating system or market network service facility or from any alteration to a generating system to which clause 5.3.9 applies.

**system strength generating unit**

A generating unit registered with AEMO under clause 5.20C.4(b).

**system strength impact assessment**

Power system studies to assess the impact of the connection of a new generating system or market network service facility or of any proposed alteration to a generating system to which clause 5.3.9 applies on the ability under different operating conditions of:
(a) the power system to maintain system stability in accordance with clause S5.1a.3; and
(b) generating systems and market network service facilities forming part of the power system to maintain stable operation including following any credible contingency event or protected event, so as to maintain the power system in a secure operating state.

**system strength impact assessment guidelines**

The guidelines for conducting system strength impact assessments developed by AEMO under clause 4.6.6.
**system strength remediation scheme**
A scheme agreed or determined under clause 5.3.4B required to be implemented as a condition of a connection agreement to remedy or avoid an adverse system strength impact.

**System Strength Report**
A report published by AEMO under clause 5.20.7.

**system strength requirements**
The matters determined by AEMO for a region under clause 5.20C.1(a).

**system strength requirements methodology**
The process AEMO uses to determine the system strength requirements for each region published by AEMO under clause 5.20.6(a).

**system-wide benefits**
Benefits that extend beyond a Transmission Network User, or group of Transmission Network Users, at a single transmission network connection point to other Transmission Network Users.

**system strength service**
A service for the provision of a contribution to the three phase fault level at a fault level node.

**system strength service payment**
A payment by a Transmission Network Service Provider made under a system strength services agreement where:

(a) the payment is made for system strength services to be made available or provided as a service to the Transmission Network Service Provider in its capacity as a System Strength Service Provider to satisfy an obligation under clause 5.20C.3; and

(b) the system strength services are made available or provided in accordance with applicable technical specifications and performance standards approved by AEMO.

**System Strength Service Provider**
The System Strength Service Provider for a region as specified under clause 5.20C.3(a).

**system strength services agreement**
An agreement made under which a person agrees to provide one or more system strength services to a System Strength Service Provider.

**take or pay contract**
A contract between a buyer and a seller of an asset-based service under which the buyer undertakes to pay regularly to the seller a fixed or minimum sum regardless of the actual level of consumption of the service by the buyer. The contract has the effect of transferring market risk associated with the assets from the seller (as the owner of the assets) to the buyer.
**tap-changing transformer**

A transformer with the capability to allow internal adjustment of output voltages which can be automatically or manually initiated and which is used as a major component in the control of the voltage of transmission and distribution networks in conjunction with the operation of reactive plant. The connection point of a generating unit may have an associated tap-changing transformer, usually provided by the Generator.

**target capabilities**

For an emergency frequency control scheme means the technical parameters required to define the intended (but not guaranteed) service provided by the scheme which may include:

(a) power system conditions within which the scheme is capable of responding;
(b) the nature of the scheme's response (load shedding or generation shedding for the purposes of managing frequency);
(c) the speed of the response;
(d) the amount of load shedding or generation shedding that may occur when the scheme responds; and
(e) capability to dynamically sense power system conditions.

**tariff class**

A class of retail customers for one or more direct control services who are subject to a particular tariff or particular tariffs.

**tariff structure statement**

For a Distribution Network Service Provider, means the tariff structure statement referred to in clause 6.18.1A that has been approved by the AER for that Distribution Network Service Provider.

**tax**

Any tax, levy, impost, deduction, charge, rate, rebate, duty, fee or withholding which is levied or imposed by an Authority.

**tax change event**

A tax change event occurs if:

(a) any of the following occurs during the course of a regulatory control period for a Transmission Network Service Provider or a Distribution Network Service Provider:

(i) a change in a relevant tax, in the application or official interpretation of a relevant tax, in the rate of a relevant tax, or in the way a relevant tax is calculated;

(ii) the removal of a relevant tax;

(iii) the imposition of a relevant tax; and

(b) in consequence, the costs to the service provider of providing prescribed transmission services or direct control services are materially increased or decreased.
**technical envelope**

The limits described in clause 4.2.5.

**telecommunications network**

A telecommunications network that provides access for public use.

**template for generator compliance programs**

The template determined and published by the Reliability Panel under clause 8.8.3 of the Rules.

**terms and conditions of access**

According to context:

(a) the terms and conditions described in clause 5.5.1(c); or

(b) the terms and conditions described in clause 6.1.3.

**test program**

In respect of an inter-network test, means the program and co-ordination arrangements for the test including, without limitation:

1. test procedures;
2. the proposed timing of the test;
3. operational procedures to manage power system security during the test;
4. required power system conditions for conducting the test;
5. test facilitation services including, as necessary, ancillary services required to achieve those power system conditions;
6. criteria for continuing or concluding a test and the decision-making process relevant to the test; and
7. contingency arrangements.

**Third Party B2B Participant**

A B2B e-Hub Participant who is not also a Distribution Network Service Provider, retailer, Local Retailer, Metering Coordinator, Metering Provider or Metering Data Provider.

**Third Party B2B Participant Member**

A person who is nominated and elected as a Member by Third Party B2B Participants to represent Third Party B2B Participants in accordance with the Rules (including clause 7.17.10(h)) and the Information Exchange Committee Election Procedures.

**third party DCA**

A dedicated connection asset for which a person other than the Primary Transmission Network Service Provider is registered under Chapter 2.

**third party IUSA**

Those contestable IUSA components of an identified user shared asset that are not, or will not be, owned or leased by the Primary Transmission Network Service Provider.
three phase fault level

Measured in MVA at a location on a transmission network or a distribution network, the product of the pre-fault nominal voltage (measured in kV between a pair of phases), the fault current in each phase for a three phase fault at the location (measured in kA), and the square root of 3.

tie

Identically priced dispatch bids or dispatch offers.

time

Australian Central Standard Time.

time stamp

The means of identifying the time and date at which data is transmitted or received.

timetable

The timetable published by AEMO under clause 3.4.3 for the operation of the spot market and the provision of market information.

total revenue cap

For a Transmission Network Service Provider for a regulatory control period, the sum of the maximum allowed revenues for that provider for each regulatory year of that regulatory control period as calculated in accordance with clause 6A.5.3 and set out in a revenue determination.

total revenue requirement

For a Distribution Network Service Provider, an amount representing revenue calculated for the whole of a regulatory control period in accordance with Part C of Chapter 6.

Trader

A person who is registered by AEMO as a Trader under Chapter 2.

trading amount

The positive or negative dollar amount resulting from a transaction, determined pursuant to clauses 3.15.6, 3.15.6A or 3.15.11.

trading day

The 24 hour period commencing at 4.00 am and finishing at 4.00 am on the following day.

trading interval

A 30 minute period ending on the hour EST or on the half hour and, where identified by a time, means the 30 minute period ending at that time.

trading limit

A dollar amount for a Market Participant, determined pursuant to clause 3.3.10.

trading margin

Has the meaning given in clause 3.3.15.
transaction

A spot market transaction, reallocation transaction or any other transaction either in the market or to which AEMO is a party.

transformer

A plant or device that reduces or increases the voltage of alternating current.

transformer tap position

Where a tap changer is fitted to a transformer, each tap position represents a change in voltage ratio of the transformer which can be manually or automatically adjusted to change the transformer output voltage. The tap position is used as a reference for the output voltage of the transformer.

transmission

Activities pertaining to a transmission system including the conveyance of electricity through that transmission system.

Transmission Annual Planning Report

A report prepared by a Transmission Network Service Provider under clause 5.12.2.

Transmission Confidentiality Guidelines

Guidelines made by the AER under clause 6A.16A.

transmission consultation procedures

The procedures set out in Part H of Chapter 6A (as applying in the other participating jurisdictions) that must be followed by:

(a) the AER in making, developing or amending guidelines, models or schemes or in reviewing methodologies; or

(b) the AEMC in developing or amending guidelines.

Transmission Customer

A Customer, Non-Registered Customer or Distribution Network Service Provider having a connection point with a transmission network.

transmission determination

Has the meaning given in the National Electricity Law, and includes a determination by the AER as described in rule 6A.2.

transmission element

A single identifiable major component of a transmission system involving:

(a) an individual transmission circuit or a phase of that circuit;

(b) a major item of transmission plant necessary for the functioning of a particular transmission circuit or connection point (such as a transformer or a circuit breaker).
transmission investment

Expenditure on assets and services which is undertaken by a Transmission Network Service Provider or any other person to address an identified need in respect of its transmission network.

transmission line

A power line that is part of a transmission network.

transmission network

Any of the following:
(a) a network in this jurisdiction operating at nominal voltages of 66kV and above;
(b) a network or part of a network prescribed by local instrument to be a transmission network or part of a transmission network, but does not include a network or part of a network prescribed by local instrument not to be a transmission network or part of a transmission network.

For a participating jurisdiction other than the State of Victoria, an identified shared user asset owned, controlled or operated by a Primary Transmission Network Service Provider (including a third party IUSA that is the subject of a network operating agreement) forms part of that Primary Transmission Network Service Provider’s transmission network.

Note:
The National Electricity (Northern Territory) (National Uniform Legislation) (Modification) Regulations 2016 are a local instrument.

transmission network connection point

A connection point on a transmission network.

Transmission Network Service Provider

A person who:
(a) engages in the activity of owning, controlling or operating a transmission system; and
(b) under Part 3 of the Electricity Reform Act (NT), holds a licence authorising the ownership or operation of an electricity network.

Transmission Network User

In relation to a transmission network, a Transmission Customer and:
(a) a Generator whose generating unit;
(b) a Network Service Provider whose network;
(c) to the extent that a Dedicated Connection Asset Service Provider is not also one of the persons listed above, a Dedicated Connection Asset Service Provider whose dedicated connection asset,
is connected to the transmission network.

transmission or distribution system

A transmission system or a distribution system.
transmission plant
Apparatus or equipment associated with the function or operation of a transmission line or an associated substation or switchyard, which may include transformers, circuit breakers, reactive plant and monitoring equipment and control equipment.

Transmission Ring-Fencing Guidelines
The Guidelines made under rule 6A.21.

transmission service
The services provided by means of, or in connection with, a transmission system.

transmission services access dispute
A dispute between a Transmission Network Service Provider and a Connection Applicant as to terms and conditions of access for the provision of prescribed transmission services or for the provision of negotiated transmission services as referred to in clause 5.5.1(c), that is for determination by a commercial arbitrator under rule 5.5.

transmission standard control service
Has the meaning given in rule 6.25(a).

transmission standard control service revenue
Has the meaning given in rule 6.26(b)(1).

transmission system
A transmission network, together with the connection assets associated with the transmission network, which is connected to another transmission or distribution system.

For a participating jurisdiction other than the State of Victoria, a transmission system includes for the purposes of Chapter 2, a third party DCA, which is not a Notified Existing DCA within the meaning of clause 11.98.1.

Note
An identified user shared asset or a dedicated connection asset for which the Primary Transmission Network Service Provider is registered will form part of that provider’s broader transmission system (even if the dedicated connection asset is operating at a distribution voltage) rather than constituting a separate transmission system requiring separate registration under Chapter 2. A person owning, controlling or operating a third party DCA is required to be registered under Chapter 2 as a Transmission Network Service Provider.

transmission use of system, transmission use of system service
A Generator transmission use of system service or a Customer transmission use of system service.

trigger event
For a Distribution Network Service Provider, in relation to a proposed contingent project or a contingent project, a specific condition or event described in clause 6.6A.1(c), the occurrence of which, during the relevant regulatory control period, may result in the amendment of a distribution determination under clause 6.6A.2.

For a Transmission Network Service Provider, in relation to:
(a) a proposed contingent project or a contingent project in a revenue determination, a specific condition or event described in clause 6A.8.1(c), the occurrence of which, during the relevant regulatory control period, may result in the amendment of a revenue determination under clause 6A.8.2; and

(b) an actionable ISP project, the event specified in clause 5.16A.5, the occurrence of which, during the relevant regulatory control period, may result in the amendment of a revenue determination under clause 6A.8.2.

two-terminal link

One or more network elements that together enable the transfer of energy between two, and only two, connection points.

type 5 accumulation boundary

The volume of energy for a connection point that has a type 5 metering installation above which the metering data must be collected as interval metering data for the purpose of producing settlements ready data.

Note:

Below the type 5 accumulation boundary, the metering data may be collected from the metering installation as accumulated metering data for the purpose of producing settlements ready data, in which case the metering installation must be registered with AEMO as a type 6 metering installation. Otherwise, the metering data may be collected as interval metering data for the purpose of producing settlements ready data in which case the metering installation must be registered with AEMO as a type 5 metering installation.

typical accrual

Has the meaning given in clause 3.3.12(a).

uncompleted transaction

Has the meaning given in clause 3.3.16(b).

unconstrained

Free of constraint.

unconstrained intermittent generation forecast

The forecast prepared by AEMO in accordance with rule 3.7B of the available capacity of each semi-scheduled generating unit.

uncontracted MW position

Has the meaning given in clause 4A.F.8(b).

under frequency scheme

An emergency frequency control scheme with capability to respond when power system frequency is below or falling below the normal operating frequency band.

under-recovery amount

Any amount by which the sum of the AARR in previous regulatory years exceeds the revenue earned from the provision of prescribed transmission services in those regulatory years.
unmetered connection point

A connection point at which a meter is not necessary under schedule 7A.1.

unscheduled reserve

The amount of surplus or unused capacity:

(a) of generating units (other than scheduled generating units); or

(b) arising out of the ability to reduce demand (other than a scheduled load).

unscheduled reserve contract

A contract entered into by AEMO for the provision of unscheduled reserve in accordance with rule 3.20.

unserved energy

The amount of energy demanded, but not supplied, in a region determined in accordance with clause 3.9.3C(b), expressed as:

(a) GWh; or

(b) a percentage of the total energy demanded in that region over a specific period of time such as a financial year.

use of system

Includes transmission use of system and distribution use of system.

use of system services

Transmission use of system service and distribution use of system service.

Utilities Commission

The Utilities Commission of the Northern Territory established by section 5 of the Utilities Commission Act (NT).

violation

In relation to power system security, a failure to meet the requirements of Chapter 4 or the power system security standards.

virtual transmission node

A non-physical node used for the purpose of market settlements, having a intra-regional loss factor determined in accordance with clause 3.6.2(b)(3).

voltage

The electronic force or electric potential between two points that gives rise to the flow of electricity.

voltage transformer (VT)

A transformer for use with meters and/or protection devices in which the voltage across the secondary terminals is, within prescribed error limits, proportional to and in phase with the voltage across the primary terminals.

voluntary book build

The book build mechanism described in Chapter 4A, Part H and set out in the Book Build Procedures made by AEMO under that Part.
Voter Category

Means:

(a) in respect of the Distribution Network Service Provider Member, Distribution Network Service Providers;
(b) in respect of the Retailer Member, Retailer Member Voters, collectively;
(c) respect of the Metering Member, Metering Member Voters, collectively; and
(d) in respect of the Third Party B2B Participant Member, Third Party B2B Participants.