

## CHAPTER 10



## 10. Glossary

### ***30-minute period***

A 30 minute period ending on the hour (*EST*) or on the half-hour, and comprising 6 consecutive *trading intervals*. Where a *30-minute period* is identified by a time, it means the 30-minute period ending at that time.

### ***30-minute price***

The price for electricity in a *30-minute period* calculated in the same way as the *spot price* was calculated under Chapter 3 of the *Rules* and all related definition in the *Rules* as in force immediately prior to 1 July 2021.

### ***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 baseline notice**

A notice given to *AEMO* in accordance with clause 3.10.5(b) and the *abnormal baseline notice procedures*.

**abnormal baseline notice procedures**

The procedures which may be made by *AEMO* under clause 3.10.5.

**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 benefits extending to *Transmission Network Users* beyond those *connected* at a single *transmission network connection point*.

**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.

**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 *DNA 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***

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 *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 *NEL*.

***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***

The Australian Energy Market Commission, which is established under section 5 of the *Australian Energy Market Commission Establishment Act 2004* (SA).

## ***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 *NEL* 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, wholesale demand response 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 pricing 30-minute 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 *intervention pricing 30-minute period*, as a result of the *direction*; and
- (b) in relation to the exercise of the *RERT* under rule 3.20:
  - (1) a *Scheduled Generator* or *Scheduled Network Service Provider*:
    - (i) whose *plant* or *scheduled network service* was not *dispatched* under a *scheduled reserve contract*, that had its *dispatched* quantity affected by the *dispatch* of *plant* or *scheduled network service* under that *scheduled reserve contract*; and
    - (ii) who was not the subject of *activation* under an *unscheduled reserve contract*, that had its *dispatched* quantity affected by the *activation* of *generating units* or *loads* under that *unscheduled reserve contract*;
  - (2) a *Scheduled Generator* or *Scheduled Network Service Provider* whose *plant* or *scheduled network service* was *dispatched* under a *scheduled reserve contract*, that had its *dispatched* quantity for other *generating units* or other services which were not *dispatched* under the *scheduled reserve contract* affected by that *dispatch* of *plant* or *scheduled network service* under that *scheduled reserve contract*, 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 *dispatched* under that *scheduled reserve contract*; or
  - (3) 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 *intervention pricing 30-minute period*, as a result of the *dispatch* of *plant* or *scheduled network service* under a *scheduled reserve contract* or the *activation* of *generating units* or *loads* under an *unscheduled reserve contract*.

***AGC (automatic generation control system)***

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).

***aggregate annual revenue requirement***

For *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.

***aggregate payment due***

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

***agreed capability***

In relation to a *connection point*, the capability to receive or send out power for that *connection point* determined in accordance with the relevant *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 *NEL* 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 *trading 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 (including a *Demand Response Service Provider*) 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.

***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
  - (f) *Commercial Arbitration Act 2010*.
- (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 (annual service revenue requirement)***

Has the meaning set out in clause 6A.22.2

***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).

***asset management***

Has the meaning given to it in clause 5.10.2.

***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 *NEL*.

***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 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***

- (a) 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*).

- (b) For a *wholesale demand response unit*, subject to clauses 3.8.2A(b), (c), (d) and (e):
  - (1) the total MW capacity available for *dispatch* by the *wholesale demand response unit* (i.e. maximum plant availability); and
  - (2) 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 and annual report prepared by the *Information Exchange Committee* pursuant to clause 7.17.7; 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*;
- (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*.

***baseline***

For a *wholesale demand response unit*:

- (a) when the *wholesale demand response unit* is not being *dispatched* to provide *wholesale demand response*, a forecast of the amount of electrical energy flowing at the *connection point* for the *wholesale demand response unit*; and
- (b) when the *wholesale demand response unit* is being *dispatched* to provide *wholesale demand response*, an estimate of what the amount of electrical energy flowing at the *connection point* for the *wholesale demand response unit* would have been if the *wholesale demand response unit* had not been *dispatched*,

in each case calculated in accordance with clause 3.10.5 and expressed as a positive value where the flow is towards the *transmission network connection point* to which the *connection point* is assigned and a negative value where the flow is in the other direction.

***baseline compliance standard***

Has the meaning given in clause 3.10.4(a).

***baseline compliance testing***

Testing in accordance with arrangements determined by *AEMO* under clause 3.10.2(d) to determine whether a *baseline methodology* when applied to a *wholesale demand response unit* produces a *baseline* that satisfies the *baseline methodology metrics*.

***basic connection service***

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

***baseline data***

The following information in relation to a *wholesale demand response unit*:

- (a) the *baseline methodology* and *baseline settings* approved for application to the *wholesale demand response unit*;
- (b) the *maximum responsive component* of the *wholesale demand response unit*; and

- (c) periods when the *wholesale demand response unit* has been *dispatched* to provide *wholesale demand response* and the quantity of *wholesale demand response* provided.

***baseline deviation***

For a *wholesale demand response unit* in a period, a deviation between the amount of electrical energy flowing at the *connection point* for the *wholesale demand response unit* in the period and the *baseline* of the *wholesale demand response unit* for the period.

***baseline deviation offset***

In relation to *baseline deviation* by a *dispatched wholesale demand response unit* in the period for which it is *dispatched*, electrical energy flowing at another *connection point* in the period that directly or indirectly offsets any part of the *baseline deviation* of the *wholesale demand response unit* in that period including where the offset occurs due to or by reason of:

- (a) the relevant *wholesale demand response activity* or an activity connected with or undertaken in conjunction with the *wholesale demand response activity*; or
- (b) the configuration of the *wholesale demand response unit* or any facility associated with the *wholesale demand response unit*.

***baseline methodology***

A methodology to determine a *baseline* for a *wholesale demand response unit*.

***baseline methodology metrics***

Parameters determined by AEMO in accordance with clause 3.10.2(a) for assessing the *baseline* produced by a *baseline methodology* when applied to a *wholesale demand response unit* using applicable *baseline settings*.

***baseline non-compliant***

Has the meaning given in clause 3.10.4(b).

***baseline settings***

Has the meaning given in clause 3.10.3(b).

***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*, *wholesale demand response 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* or a *failed Market Small Generation Aggregator* by the *Distribution Network Service Provider*, but that the *failed retailer* or *failed Market Small Generation Aggregator* 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 12.05 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*, *facility* or a combination of *facilities* following *disconnection* from the *power system*, to be able to deliver electricity to either:

- (a) a *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.

***boundary point***

The point of delineation between a *designated network asset* and an *identified user shared asset*:

- (a) as agreed in the relevant *network operating agreement* between the *Primary Transmission Network Service Provider*, and the owner of the relevant *designated network asset*; or
- (b) where the *designated network asset* is owned or leased by the *Primary Network Service Provider* as determined by that provider.

**Note**

There could be multiple *designated network assets* behind the *boundary point*, which can each be owned by separate owners. Each owner will have a separate *network operating agreement* with the *Primary Transmission Network Service Provider* for the *designated network asset* it owns. The delineation between *designated network assets* owned by different owners is the *DNA boundary point*. The subsequent addition of further *designated network asset* with different owners will not change the *boundary point* because it describes the point of delineation between the initial *designated network asset* and the *identified user shared asset*.

***boundary point losses***

Has the meaning given to it in clause 3.6.2B(a).

***boundary point loss factors***

Has the meaning given to it in clause 3.6.2B(b).

***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 *transmission line* or *distribution line* 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 S6.2.2A(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*, *wholesale demand response units*, *scheduled loads*, *scheduled network services* and *market ancillary services* in accordance with rule 3.8.

***changeover date***

Has the meaning given in the *NEL*.

***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 *NEL*) 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***

To form a physical link to or through a *transmission network* (including to a *network connection asset* or through 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 network* 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 the *transmission network* of that *Primary Transmission Network Service Provider* including through a *dedicated connection asset*; and
- (b) a person seeking to negotiate a *network operating agreement* for a *third party IUSA* or *designated network asset* not owned by the *Primary Transmission Service Provider*.

#### **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 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 system* or *distribution system* which are used to provide *connection services*.

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

### ***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 Chapters 5A and 6) 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 the same *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 the same *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*.

In respect of a *wholesale demand response unit*, the state where, due to a *constraint* on a *network*, the *loading level* of that *wholesale demand response unit* is limited above the level to which it would otherwise have been *dispatched* by AEMO on the basis of its *dispatch bid*.

***constraint, constrained***

A limitation on the capability of a *network*, *load*, a *generating unit* or a *wholesale demand response unit* such that it is unacceptable to either transfer, consume or generate the level of electrical power, or provide the level of *wholesale demand response*, 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)).

***consumer panel report***

Has the meaning given to it in clause 5.10.2.

***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.

***contracted demand side participation***

Has the meaning given to it in clause 3.7D(a).

***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 network* 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 Benefit Analysis Guidelines***

Has the meaning given to it in clause 5.10.2.

***cost threshold***

Has the meaning given to it in clause 5.10.2.

***cost threshold determination***

Has the meaning given to it in clause 5.10.2.

***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.

***credible option***

Has the meaning given to it in clause 5.10.2.

***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*.

***CRNP (cost reflective network pricing methodology)***

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

***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 energy***

Has the meaning given in clauses 3.15.6A(a0) and 3.15.8(a0).

***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*.

***DAPR date***

Has the meaning given to it in clause 5.13.2.

***date of issue***

Has the meaning given to it 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 *NEL*.

***declared shared network***

Has the meaning given in the *NEL*.

***declared transmission system***

Has the meaning given in the *NEL*.

***declared transmission system operator***

Has the meaning given in the *NEL*.

***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* a person at a *connection point* to a *transmission network* and are used exclusively by that person;
- (b) include power lines less than 30 kilometres in route length;
- (c) can be electrically isolated from the *transmission network* without affecting the provision of *shared transmission services* to other persons; 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 *Transmission Customer's facility* that utilises electrical energy;
- (6) part of the *declared transmission system* of an *adoptive jurisdiction*; or
- (7) *designated network assets*.

**Note**

At any time a person who owns, controls or operates a *dedicated connection asset* may elect for that *dedicated connection asset* to be a *designated network asset* under clause 11.139.4.

***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 the meaning given to it 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 service***

A *delayed raise service* or a *delayed lower service*.

***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 Response Service Provider***

A person who offers and provides *load* as either or both:

- (a) *wholesale demand response* in respect of a *wholesale demand response unit*; and
  - (b) a *market ancillary service* in respect of *ancillary service load*,
- and who is registered by *AEMO* as a *Demand Response Service Provider* under Chapter 2. The relevant person does not need to be the *Market Customer* for the relevant *load*.

***demand side engagement document***

Has the meaning given to it in clause 5.10.2.

***demand side engagement register***

Has the meaning given to it in clause 5.10.2.

***demand side engagement strategy***

Has the meaning given to it in clause 5.10.2.

***demand side participation information***

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

***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).

***de-rate***

Has the meaning given to it in clause 5.10.2.

***designated network asset***

The apparatus, equipment, *plant* and buildings that:

- (a) are used from the *boundary point* to convey, and control the conveyance of, electricity, for an *identified user group*;
- (b) are for the exclusive use of the *identified user group* and may be owned by different persons within that *identified user group*;
- (c) include power lines that have a route length of:
  - (1) 30 kilometres or more; or
  - (2) less than 30 kilometres where the owner of those assets has entered into a *network operating agreement* in respect of those assets; and
- (d) do not:
  - (1) provide *prescribed transmission services*;
  - (2) form part of a *network loop*;
  - (3) form part of a *transmission system* for which a *Market Network Service Provider* is registered under Chapter 2; or
  - (4) form part of a *declared transmission system* of an *adoptive jurisdiction*.

***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*.

***design fault level***

Has the meaning given to it in clause 5.10.2.

***de-synchronising / de-synchronisation***

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

***detailed response***

Has the meaning given to it in clause 5.3A.A1.

***development path***

Has the meaning given to it in clause 5.10.2.

***direct control service***

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

***Directed Participant***

A *Scheduled Generator*, *Semi-Scheduled Generator*, *Market Generator*, *Demand Response Service Provider* in respect of its *ancillary service load*, *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***

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 or a *wholesale demand response dispatch bid*.

***dispatch bid price***

The price submitted for a *price band* and a *trading interval* in a *dispatch bid*.

***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*, *wholesale demand response units* 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, 4.9.2B, 4.9.3, 4.9.3A, or to an *NMAS provider* under clause 4.9.3A.

***dispatch level***

The amount of electricity to be *supplied* by a *semi-scheduled generating unit* for a *trading interval*, specified in a *dispatch instruction* as the target *active power* at the end of the *trading interval*.

***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*.

***dispatchable unit identifier***

A unique reference label allocated by *AEMO* for each *scheduled generating unit*, *semi-scheduled generating unit*, *wholesale demand response 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*, but not including *dispatched wholesale demand response*.

***dispatched wholesale demand response***

The *wholesale demand response* which has been *dispatched* as part of *central dispatch*.

***dispatched wholesale demand response unit***

In a *trading interval*, a *wholesale demand response unit* which has received instructions from *AEMO* as part of *central dispatch* to provide *wholesale demand response* in the *trading interval*.

***dispute management system***

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

***dispute notice***

Has the meaning given to it in clause 5.10.2.

***dispute resolution panel***

A dispute resolution panel established pursuant to clause 8.2.6A.

***disputing party***

Has the meaning given to it in clause 5.10.2.

***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 asset***

Has the meaning given to it in clause 5.10.2.

***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 service end user***

An electricity consumer, *micro embedded generator* or *non-registered embedded generator* (other than a *non-registered embedded generator* who has made an election under clause 5A.A.2(c) for *connection* under Chapter 5).

***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 system* 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).

***DNA boundary point***

The point of delineation between a *designated network asset* owned by one party and another *designated network asset* owned by another party:

- (a) as agreed in the relevant *network operating agreement* between the *Primary Transmission Network Service Provider*, and each owner of a *designated network asset*;
- (b) where the *designated network asset* is owned or leased by the *Primary Network Service Provider* as determined by that provider.

***DNA service***

A service provided by an owner of a *designated network asset* that relates to:

- (a) providing *access* to the *designated network asset* (but does not include a requirement for the owner of the *designated network asset* to *extend* or replicate the *designated network asset*);
- (b) providing information regarding the *designated network asset*;
- (c) undertaking cut-in works to the *designated network asset*; and
- (d) undertaking upgrades to existing assets that comprise the *designated network asset* or increasing the capacity of the *designated network asset*.

***DNA services access dispute***

A dispute between an owner of a *designated network asset* and a person seeking *DNA services* as referred to in clause 5.5.1(c), that is for determination by a commercial arbitrator under rule 5.5.

***draft project assessment report***

Has the meaning given to it in clause 5.10.2.

***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 the meaning given to it 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 (energy adequacy assessment projection)***

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*.

***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 as maintained under section 8AA of the *National Measurement Act*.

***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 the *Rules* including:

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

***eligibility period***

Has the meaning given to it in clause 3.14.6(a).

***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 system* and not having direct access to the *transmission network*.

***embedded generating unit operator***

A person that owns, controls or operates an *embedded generating unit*.

***Embedded Generator***

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

***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<sub>2</sub>-e/MWh) of energy produced by each *power station*.

***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***

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 network* or *distribution network*.

***energy***

*Active energy* and/or *reactive 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 SRASs 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 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 the same *connection point*.

***EN wiring information***

Panel layouts and wiring diagrams relevant to an *embedded network*.

***establish a connection***

Has the meaning given to it in clause 5.3A.A1.

***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 *NEL* and clause 2.5.1(d).

***exemption application***

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

***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 the same *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.

***export tariff***

A tariff for *distribution services* that includes a *charging parameter* relating to supply from *embedded generating units* into the *distribution network*.

***export tariff transition strategy***

The strategy in a *tariff structure statement* of a *Distribution Network Service Provider* referred to in clause 6.18.1A(a)(2A).

***extension***

An *augmentation* that requires the *connection* of a power line or *facility* outside the present boundaries of the *transmission network* 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 Market Small Generation Aggregator***

A *Market Small Generation Aggregator* in respect of whom an *insolvency official* has been appointed.

***failed retailer***

Has the meaning given in the *NERL*.

***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 project assessment report***

Has the meaning given to it in clause 5.10.2.

***final statement***

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

***financial year***

Means a period of 12 months beginning on 1 July.

***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.

***firm delivery capacity***

Has the meaning given to it in clause 5.10.2.

***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 *NEL* and as determined in accordance with clause 4A.A.2.

***Forecasting Best Practice Guidelines***

Has the meaning given to it in clause 5.10.2.

***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.

***forward planning period***

Has the meaning given to it in clause 5.10.2.

***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.

***future ISP project***

Has the meaning given to it in clause 5.10.2.

***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 *NEL*.

***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 system* 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 or the provision of *wholesale demand response* 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.

***IASR review report***

Has the meaning given to it in clause 5.10.2.

***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* behind the same *boundary point* or *DNA boundary point*..

***identified user shared asset***

The apparatus, equipment, *plant* and buildings that:

- (a) are used for the purpose of:
  - (1) *connecting* a person through a *dedicated connection asset* to a *transmission network*, or
  - (2) expanding the existing *transmission network* to incorporate a *designated network asset* (but does not include subsequent components that are incorporated into that *designated network asset*);
- (b) are not for the exclusive use by that person for a *dedicated connection asset* or *identified user group* for a *designated network asset*;
- (c) if used to *connect* that person to a *transmission network* through a *dedicated connection asset*, under normal operating conditions, cannot be electrically isolated from the *transmission network* without affecting the provision of *shared transmission services* to other persons; and
- (d) are not part of the *declared transmission system* of an *adoptive jurisdiction* or a *designated network asset*.

**Note**

An *identified user shared asset* is located at:

1. the interface between a *dedicated connection asset* and a *transmission network* (but this does not include where the interface is between a *dedicated connection asset* with a *designated network asset*); and
2. the *boundary point* between a *designated network asset* and part of a *transmission network* that is not a *designated network asset*.

There is no *identified user shared asset* in the interface between a *designated network asset* and another *designated network asset*.

***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  $CPI_a/CPI_b$

where:

$CPI_a$  is the *CPI* as at that time; and

$CPI_b$  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*, *semi-scheduled generating unit*, *wholesale demand response unit*, *scheduled load* or *scheduled network service* for a *trading interval* means that the *scheduled generating unit*, *semi-scheduled generating unit*, *wholesale demand response 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 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 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.

***information pack***

Has the meaning given to it in clause 5.3A.A1.

### ***Inputs, Assumptions and Scenario Report***

Has the meaning given to it in clause 5.10.2.

### ***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.

***interconnector***

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 price trading interval***

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

***intervention pricing 30-minute period***

A 30-minute period that includes one or more *intervention price trading intervals*.

***intervention settlement timetable***

Has the meaning given in clause 3.12.1(b).

***intervention trading interval***

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

***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***

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 candidate option***

Has the meaning given to it in clause 5.10.2.

***ISP consumer panel***

Has the meaning given to it in clause 5.10.2.

***ISP database***

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

***ISP development opportunity***

Has the meaning given to it in clause 5.10.2.

***ISP methodology***

Has the meaning given to it in clause 5.10.2.

***ISP parameters***

Has the meaning given to it in clause 5.10.2.

***ISP project***

Has the meaning given to it in clause 5.10.2.

***ISP review report***

Has the meaning given to it in clause 5.10.2.

***ISP timetable***

Has the meaning given to it in clause 5.10.2.

***ISP update***

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

***joint planning project***

Has the meaning given to it in clause 5.10.2.

***jurisdictional derogation***

Has the meaning given in the *NEL*. The jurisdictional derogations are included in Chapter 9.

***jurisdictional electricity legislation***

Has the meaning given to that term in the *NEL*.

***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* 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 the *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 *NEL* and the *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***

Has the same meaning as 'jurisdictional system security coordinator' in the *NEL*.

***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 *NERL* applies as a law of that *participating jurisdiction*, has the meaning given in the *NERL*.
- (b) Otherwise, has the meaning given in *jurisdictional electricity legislation*, or a *retail customer* that is not a *small customer*.

***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 30 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*, other than by means of *wholesale demand response*.

***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).

***load transfer capacity***

Has the meaning given to it in clause 5.10.2.

***loading level***

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

For a *wholesale demand response unit*, the level of *baseline deviation* (in MW) of the *wholesale demand response unit*.

***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 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.

***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 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***

A person who is registered by AEMO as a *Market Generator*, *Market Customer*, *Market Small Generation Aggregator*, *Demand Response Service Provider* or *Market Network Service Provider* under Chapter 2.

***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:

- (a) 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*; and
- (b) the recording of the classification of a *connection point* as a *wholesale demand response unit* and the *Demand Response Service Provider* responsible for the *wholesale demand response unit*.

***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* or a *Demand Response Service Provider* who supplied *energy* or *wholesale demand response* during a *market suspension pricing schedule period*:
  - (1) in a *suspended region*; or
  - (2) in a *region* where *spot 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 *trading interval* and ending at the end of the final *trading interval* in which:
  - (1) for *Scheduled Generators*, the *spot price* for a *trading 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 *trading 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 *trading intervals*:
  - (1) that occur during the period described in paragraph (a) above; and
  - (2) during which *spot 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 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 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 responsive component***

The maximum quantity (in MW) of *wholesale demand response* that a *wholesale demand response unit* is able to provide in accordance with the *Rules*.

For *wholesale demand response units* aggregated in accordance with clause 3.8.3, the *maximum responsive component* specified by *AEMO* as a condition of aggregation under clause 3.8.3(b3) (if any) or otherwise, the aggregate *maximum responsive component* of the aggregated *wholesale demand response units*.

***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 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 the meaning given in clause 5A.A.1

***micro embedded generator***

A *small customer*, *large customer* or *MSGA customer* who operates, or proposes to operate, an *embedded generating unit* for which a *micro EG connection* is appropriate

***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 of a *participating jurisdiction* within the meaning of section 6 of the *NEL*.

***Ministers of the MCE***

*Ministers of the participating jurisdictions* acting as the MCE where MCE has the same meaning as in the *NEL*.

***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 *30-minute period* 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.

***MSGA customer***

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

***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 objective***

The objective stated in section 7 of *NEL*.

***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 *NEL*.

***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 *NEL*;

***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).

***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.

***NEL (National Electricity Law)***

The National Electricity (NT) Law.

***NEM (National Electricity Market)***

Has the meaning given in the *NEL*.

***NEMMCO***

Has the meaning given in the *NEL*.

***NERL (National Energy Retail Law)***

Means the National Energy Retail Law set out in the Schedule to the *National Energy Retail Law (South Australia) Act 2011* (SA).

***NERR (National Energy Retail Rules)***

Has the meaning given in the *NERL*.

***network***

The apparatus, equipment, plant and buildings used to convey, and control the conveyance of, electricity 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 *NEL*.

***network capability***

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

***network charges***

Has the meaning given to it 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 network* 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 condensers, 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 *NEL*.

***network support agreement***

An agreement under which a person agrees to provide one or more *NSCASS*s 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 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 (non-market ancillary service)***

Any of the following services:

- (a) *NSCAs* 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) *SRAs* acquired by *AEMO* under clause 3.11.9 and *NSCAs* acquired by *AEMO* in the circumstances described in clause 3.11.3(c).

***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 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-network options report***

Has the meaning given to it in clause 5.10.2.

***non-network provider***

Has the meaning given to it in clause 5.10.2.

***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***

An *embedded generating unit operator* that is neither a *micro embedded generator* nor a *Registered Participant*.

***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 *trading 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 cyclic rating***

Has the meaning given to it in clause 5.10.2.

***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 (network support and control ancillary service)***

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*.

***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), *NSCAS* 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 *NSCASs* 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 *NEL*.

***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, 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*.

***other compensable services***

Has the meaning given to it in clause 3.15.7(a1)(2).

***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 *NEL*. 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 *NEL*.

***PASA (projected assessment of system adequacy process)***

The medium term and short term processes described in clause 3.7 to be administered by *AEMO*.

***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.

For a *wholesale demand response unit*, the maximum MW *wholesale demand response* available in a particular period, including any *wholesale demand response* 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*, or 2 *business days* after receiving a *final statement*, whichever is the later.

***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 *NSCAs*; and
- (d) the provision of *NSCAs* 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 credible option***

Has the meaning given to it in clause 5.10.2.

***potential transmission project***

Has the meaning given to it in clause 5.10.2.

***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 needs***

Has the meaning given to it in clause 5.10.2.

***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 network* 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).

***preferred option***

Has the meaning given to it in clause 5.10.2.

***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 response***

Has the meaning given to it in clause 5.3A.A1.

***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

***preparatory activities***

Has the meaning given to it in clause 5.10.2.

***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 distribution feeder***

Has the meaning given to it in clause 5.10.2.

***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*.

***project assessment conclusions report***

Has the meaning given to it in clause 5.10.2.

***project assessment draft report***

Has the meaning given to it in clause 5.10.2.

***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).

***project specification consultation report***

Has the meaning given to it in clause 5.10.2.

***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 investment***

Has the meaning given to it in clause 5.10.2.

***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.

***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***

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.

***qualifying load***

Has the meaning given in clause 2.3.6(m).

***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*.

***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).

***reconfiguration investment***

Has the meaning given to it in clause 5.10.2.

***reconnect***

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 3.15.7A, 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***

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 network* 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 *pre-dispatch 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 *NEL*.

***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 distribution application guidelines***

Has the meaning given to it in clause 5.10.2.

***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 investment test for transmission application guidelines***

Has the meaning given to it in clause 5.10.2.

***regulatory obligation or requirement***

Has the meaning assigned in *NEL*.

***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(1) 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 *RERT* 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 corrective action***

Has the meaning given to it in clause 5.10.2.

***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 *NEL*.

***Reliability Panel***

Has the meaning given in the *NEL*.

***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 (reliability and emergency reserve trader)***

The actions taken by *AEMO* as referred to in clause 3.20.2, in accordance with rule 3.20, to ensure reliability of *supply*.

***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 *NERL*, 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*.

Otherwise, a person to whom electricity is sold by a *retailer*, and supplied in respect of *connection points*, for the premises of the person, and includes a person (or a person who is of a class of persons) prescribed by these *Rules* for the purposes of this definition.

**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 the *Rules* for or in *connection* with the sale and *supply* of electricity to *retail customers*, the export of electricity by *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 *NEL*.

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* or *failed Market Small Generation Aggregator*; 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* or a *Market Small Generation Aggregator* 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* or *Market Small Generation Aggregator*; 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* or *Market Small Generation Aggregator*.

***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 *NERR* apply as a law of that *participating jurisdiction*, has the meaning given in the *NERR*.
- (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).

***revised statement***

A statement issued by *AEMO* under clause 3.15.19 following the resolution of a dispute regarding a *final statement*.

***REZ design report***

A report prepared by the relevant *jurisdictional planning body* under clause 5.24.1(b)(1).

***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.

***RIT-D project***

Has the meaning given to it in clause 5.10.2.

***RIT-D proponent***

Has the meaning given to it in clause 5.10.2.

***RIT-T project***

Has the meaning given to it in clause 5.10.2.

***RIT-T proponent***

Has the meaning given to it in clause 5.10.2.

***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 *NERL*.

***RoLR Procedures***

Has the same meaning as in the *NERL*.

***RoLR***

Has the same meaning as in the *NERL*.

***routine revised statement***

A *settlement statement* issued by *AEMO* under clause 3.15.19(b).

***Rule fund***

Has the meaning given in the *NEL*, and includes the funds referred to in clause 1.11(a).

***Rules***

The National Electricity Rules as defined in section 2(1) of the *NEL*.

***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*, an *ancillary service load*, 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*;
- (c) of *wholesale demand response units*; or
- (d) 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 *trading 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 *trading interval*; or
- (b) the *dispatch level* specified in that *dispatch instruction* is less than the *unconstrained intermittent generation forecast* at the end of the *trading 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 network* 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.

***settlement residue committee***

The committee established by *AEMO* in accordance with clause 3.18.5.

***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 the meaning given in the *NERL*.

***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 *NEL*.

***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 network* or *distribution network* and *Network Users*, a sequence of related events which result in the removal from service of one *Network User*, *transmission line* 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).

***small customer***

- (a) In a *participating jurisdiction* where the *NERL* applies as a law of that *participating jurisdiction*, has the meaning given in the *NERL*.
- (b) Otherwise, has the meaning given in *jurisdictional electricity legislation*.

***small customer load***

Has the meaning given in clause 2.3.6(m).

***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 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 system* 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 exposed***

A *wholesale demand response unit* is *spot price exposed* in relation to a *trading interval* if:

- (a) the price:
  - (1) for electricity consumed in that *trading interval* at any *connection point* for the *wholesale demand response unit* (or that would have been consumed but for a reduction in demand); and
  - (2) payable by a *retail customer* to the *financially responsible Market Participant* for the *connection point* or its *related body corporate*,  
is equal to, or varies by reference to, the *spot price* in that *trading interval*;  
or
- (b) the price:
  - (1) for or in respect of electricity supplied to the *transmission or distribution network* in that *trading interval* at any *connection point* for the *wholesale demand response unit*; and
  - (2) payable by the *financially responsible Market Participant* for the *connection point* or its *related body corporate* to a *retail customer*,  
is equal to, or varies by reference to, the *spot price* in that *trading interval*.

***spot price forecast***

A forecast of the *spot price* published by *AEMO* in accordance with clause 3.13.4.

***SRAS (system restart ancillary service)***

A service provided by *plant* or *facilities* with:

- (a) *black start capability*; or
- (b) the capabilities described in the *SRAS Guideline* to supply one or more services to sustain the stable *energisation of generation and transmission*,  
sufficient to facilitate the restoration and maintenance of *power system security* and the restart of *generating units* following a *major supply disruption*.

***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 *SRASs* 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 *SRASs* to *AEMO* under an *ancillary services agreement*.

***SRAS Procurement Objective***

Has the meaning given in clause 3.11.7(a1).

***SRD (settlement residue distribution agreement)***

Has the meaning given in clause 3.18.1(b).

***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 the meaning given to it 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* that does not use rotating machinery to produce the field current.

***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*.

***static zero export limit***

A maximum specified capacity to *supply* into the *distribution network* of zero at all times of day and in all *network* operating conditions.

***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*.

***sub-transmission***

Has the meaning given to it in clause 5.10.2.

***sub-transmission line***

Has the meaning given to it in clause 5.10.2.

***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 scarcity mechanism***

Means each of the following:

- (a) exercising the *RERT* in accordance with rule 3.20 by:
  - (1) *dispatching scheduled generating units, wholesale demand response units, scheduled network services* or *scheduled loads* in accordance with any *scheduled reserve contract*; or
  - (2) *activating loads* or *generating units* under any *unscheduled reserve contract*;
- (b) issuing a *direction* in accordance with clause 4.8.9;
- (c) issuing a *clause 4.8.9 instruction* in accordance with clause 4.8.9.

***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***

To electrically *connect* a *generating unit* or a *scheduled network service* to the *power system*.

***synchronous condensers***

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 limitation***

Has the meaning given to it in clause 5.10.2.

***system limitation template***

Has the meaning given to it in clause 5.10.2.

***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 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 *SRASs*.

***system restart test***

A test conducted for the purpose of verifying whether the *system restart plan* is likely to be consistent with the achievement of the *system restart standard* or the *AEMO power system security responsibilities* in accordance with clause 4.3.6.

***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 system* 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 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*.

***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*.

***TAPR Guidelines***

Has the meaning given to it in clause 5.10.2.

***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 Participant***

The *Transmission Network Service Provider* and the *Registered Participants* notified of a *system restart test* under clause 4.3.6.

***test program***

In respect of an *inter-network test* or a *system restart 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) operating procedures to manage *power system security* during the test;
- (4) required *power system* conditions for conducting the test;
- (5) for an *inter-network test*, 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 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.

***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 capacity***

Has the meaning given to it in clause 5.10.2.

***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 (*EST*) and finishing at 4.00 am on the following *day*.

***trading interval***

A 5 minute period ending on the hour (*EST*) and each continuous period of 5 minutes thereafter and, where identified by a time, means the 5 minute period ending at that time.

***trading interval energy data***

*Interval energy data* prepared and recorded by a *metering installation* in intervals which correspond to a *trading interval*.

***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 asset***

Has the meaning given to it in clause 5.10.2.

***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 *NEL*, and includes a determination by the *AER* as described in rule 6A.2.

***transmission-distribution connection point***

Has the meaning given to it in clause 5.10.2.

***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*; and
- (b) a *Network Service Provider* whose network,  
is connected to the *transmission network*.

***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 system* or *distribution system*.

***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.

***TUOS (transmission use of system, TUOS service)***

A *Generator transmission use of system service* or a *Customer transmission use of system service*.

***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 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 generation***

Has the meaning given to it in clause 3.7D.

***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* or *wholesale demand response unit*).

***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***

*TUOS 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) in respect of the *Metering Member*, *Metering Member Voters*, collectively; and

- (d) in respect of the *Third Party B2B Participant Member, Third Party B2B Participants*.

***wholesale demand regional reimbursement rate***

The rate determined in accordance with clause 3.15.6B(f).

***wholesale demand response***

Means a *baseline deviation* achieved by (as applicable to a *wholesale demand response unit*):

- (a) reducing the consumption of electricity; or
- (b) increasing the export of electricity; or
- (c) reducing the consumption of electricity and starting to export electricity, at the *connection point* of the *wholesale demand response unit* in response to a *dispatch instruction* but only to the extent:
- (d) resulting from *wholesale demand response activity*; and
- (e) there is no *baseline deviation offset*.

***wholesale demand response activity***

An activity in relation to a *wholesale demand response unit* for which both of the following criteria are satisfied:

- (a) the activity is undertaken for the purpose of achieving a *baseline deviation* in a period in accordance with a *dispatch instruction* relating to the *wholesale demand response unit* and period; and
- (b) the activity would not be undertaken but for the *dispatch instruction*.

***wholesale demand response constraint***

A limitation on the capability of a *wholesale demand response unit* to provide *wholesale demand response* at the level that would occur if the limitation were removed.

***wholesale demand response dispatch bid***

A notice submitted by a *Demand Response Service Provider* to *AEMO* relating to the *dispatch* of a *wholesale demand response unit* in accordance with clause 3.8.7B.

***wholesale demand response guidelines***

Guidelines made by *AEMO* under clause 3.10.1.

***wholesale demand response participation guidelines***

Guidelines made by the *AER* under clause 3.8.2A(g).

***wholesale demand response settlement quantity***

The quantity determined for a *wholesale demand response unit* under clause 3.15.6B(c).

***wholesale demand response unit***

- (a) A *load* which has been classified in accordance with Chapter 2 as a *wholesale demand response unit*.

- (b) For the purposes of Chapter 3 (except clause 3.8.2A and rule 3.15) and rule 4.9, two or more *wholesale demand response units* referred to in paragraph (a) that have been aggregated in accordance with clause 3.8.3.

***zone substation***

Has the meaning given to it in clause 5.10.2.