

# GLOSSARY

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13	01/07/2009	A Stephens M Hoarau	P Uribe	C Brownlee	M Hoarau	Change to AEMO document. Replace VOLL with MPC.

## Next Review

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## 1 Glossary

- a) A word or phrase *in this style* has the same meaning as given to that term in the *National Electricity Law* or *NER*.
- b) Capitalised words or phrases or acronyms have the meaning set out opposite those words, phrases, or acronyms in the table below.
- c) Unless the context otherwise requires, *AEMO's power system operating procedures* will be interpreted in accordance with Schedule 2 of the *National Electricity Law*.

Term	Meaning
AGC	Automatic Generator Control
ALS	Automatic load shedding
ASEFS	AEMO's Australian Solar Energy Forecasting System
APR	Annual Planning Report
A/R	Auto reclose
Auxiliary Loads /Auxiliary Supply /Auxiliaries	Auxiliary loads associated with generating units and substations
AWEFS	AEMO's Australian Wind Energy Forecasting System
AVR	Automatic voltage regulator
Basslink	Tasmania/Victoria interconnector
BOM	Bureau of Meteorology
CA	Contingency analysis
Capacity Reserve	short term capacity reserve or medium term capacity reserve
CCGT	Combined Cycle Gas Turbine
Constraint Violation Penalty	A factor assigned to each type of constraint equation to ensure physically feasible dispatch, pre-dispatch and PASA solutions can always be achieved by allowing conflicting constraint equations to be violated in a pre-defined priority order based on these factors.
Continuous Operating Limit	The maximum amount of power that can be transmitted through a transmission element or group of transmission elements such that following the occurrence of a credible contingency event, the flow on the remaining transmission elements will remain within their Continuous Ratings. [Note that Continuous Operational Limits may be determined for a particular transmission element, or for a group of elements (eg VIC - NSW import limit).]
Continuous Rating	The maximum amount of power that can be transmitted continuously through a specified transmission element.
Co-optimising	Solving an optimisation problem taking into account two or more optimisation problems
CSC	Controlled Static Compensator
CVP	Constraint Violation Penalty

Term	Meaning
Delivery Point	As specified in each SRAS Agreement, usually: (a) in the case of a primary restart service, the auxiliary power supply point at a specified generating unit; and (b) in the case of a secondary restart service, an agreed point on the power system (which could be the connection point for the SRAS Provider's generating unit).
DI	Dispatch Interval
DNSP	Distribution Network Service Provider
DSM	Demand-Side Management
DSO	Distribution System Operator
DTS	AEMO's Dispatcher Training Simulator
EMS	AEMO's Energy Management System
EMMS	AEMO's Electricity Market Management System
FCAS	frequency control ancillary services (a type of market ancillary service)
FCSPS	Frequency Control Special Protection Scheme
Generic Constraint Equation	A constraint equation applied by AEMO to EMMS via SOMMS.
GPS	Generator Performance Standards
I/S	In service
ICMS	Integrated Control and Monitoring System
JSSC	Jurisdictional System Security Coordinator
LBSP	Local black system procedures
Load block	Amount of electrical load capable of being connected to the transmission system during a system restart
LOR 1	lack of reserve level 1, as described in clause 4.8.4(b) of the NER.
LOR 2	lack of reserve level 2, as described in clause 4.8.4(c) of the NER.
LOR 3	lack of reserve level 3, as described in clause 4.8.4(d) of the NER.
LRC	low reserve condition, as described in clause 4.8.4(a) of the NER.
Market Notice	A notice issued electronically to all Market Participants
MN [xyz]	Refers to Market Notice number xyz
MNSP	Market Network Service Provider
MPC	market price cap
MT PASA	medium term PASA
Murraylink	Victoria/South Australia interconnector
NCRR	NEM Circuit Ratings Repository
NEM	National Electricity Market
NEMDE	AEMO's National Electricity Market Dispatch Engine
NER	National Electricity Rules
Network Model	AEMO's computer model of the national grid, which supports other software used by AEMO.

Term	Meaning
Network Outage	Where an element of the high voltage system or an associated device or service in the transmission network is made unavailable for use under either planned, short notice or unplanned outage.
Non-Conformance	A failure to conform to a dispatch instruction in breach of clause 3.8.23 of the NER.
NOS	AEMO's Network Outage Scheduler, a system used to facilitate communications between AEMO and NSPs about network outages.
NSP	Network Service Provider
OCGT	Open Cycle Gas Turbine
OHEW	Overhead earth wire
OLTC	On-load tap changer
ONAN	
OOS or O/S	Out of service
OPDMS	Operations Planning Data Management System
OPGW	Optical Ground Wire
Participant Notice	A notice issued electronically to a Market Participant
PASA	projected assessment of system adequacy
PASAVIEW	The reporting software associated with viewing PASA results.
PD PASA	pre-dispatch PASA
PIMMS	Market Participants' interface to the EMMS
Planned Outage	A transmission network outage reported to AEMO for the purposes of ST PASA prior to AEMO's final outage assessment for that ST PASA period.
POC	Point of connection
PoE	Probability of exceedence. A 50% PoE load forecast is one which will be exceeded 50% of the time. See SO_OP_3710 – Load Forecasting
PRD	pre-dispatch
PSPR	Power System Projects Repository
PTP	An instruction from AEMO granting permission to an NSP to proceed with an outage.
PTR	An instruction from AEMO granting permission to an NSP to restore supply to a transmission element.
PWRFLOW	An algorithm within EMS that solves the real and reactive parts of the power flow solution simultaneously based on the Network Model.
QNI	Queensland/New South Wales Interconnector
Reserve Requirement	The requirement required to satisfy the reliability standard. The Reserve Requirement for each region can be found in SOMMS.
Restart Path	As specified in each SRAS Agreement, the route that generation from the SRAS Provider's generating unit will utilise to supply the Delivery Point.
RO or Responsible Officer	The designated officer within an organisation who is the primary contact during power system emergencies.

Term	Meaning
ROC or Rate of Change.	The rate at which active power can change (expressed as MW/minute).
RTCA	Real Time Contingency Analysis application in the EMS
RTD	dispatch
RTNET	Real Time Network State Estimation application in the EMS
RTSCT or Real Time Short Circuit Analysis	An application that analyses the effects of short circuits fault to the power network using actual system data.
RTSENH	Real Time Security Enhancement application in the EMS
RTS	Return to service
SC	short circuit fault
SCADA	Supervisory Control and Data Acquisition System
SDL	self-dispatch level
Short Notice Outage	Any transmission network outage advised to AEMO after AEMO's final outage assessment for an ST PASA period, usually 4 days before dispatch.
Short Term Operational Limit	The maximum amount of power that can be transmitted through a transmission element or group of transmission elements such that following the worst credible contingency event, the flow on the remaining transmission elements will remain within their Short Term Ratings.
Short-Term Rating	The maximum amount of power that can be transmitted through a specified transmission element, provided that it is reduced to less than or equal to the Continuous Rating within the time allowable by the Short Term Rating. For example, if an element has a 10-minute Short Term Rating, this means that the maximum power flow through that element can reach the Short Term Rating for 10 minutes but must return to the Continuous Rating once that period expires.
SMIRK2	System Market Incident Reporting Kiosk 2
SRAS Agreement	An agreement entered into between AEMO and a Registered Participant following a procurement process under clause 3.11.5 of the NER
SRAS Equipment	As specified in each SRAS Agreement
SRAS Provider	The counterparty to each SRAS Agreement with AEMO
SOMMS	System Operators' interface with EMMS
ST PASA	short term PASA
STCA	Study Contingency Analysis application in EMS
STNET	Study Network application in EMS
STSENH	Study Security Enhancement application in EMS
SVC	static VAR compensator
System Normal Conditions	A situation where all high voltage transmission equipment, and associated services are available for service.
System Reactive Plant	Electrical equipment consisting of capacitors, reactors and SVCs capable of being connected to the transmission network and used for the purpose of managing network reactive power
TI	Trading interval
TLA	Transfer Limit Advice

Term	Meaning
TNSP	Transmission Network Service Provider
TOA	Temporary Operating Advice
Trip Condition	Sustained excessive high or low system frequency excursions and, where required by AEMO, frequency rate of change and loss of synchronisation or sustained excessive low voltage excursions
TTHL or Trip to house load	An electrical islanding scheme using generating units that can disconnect from the transmission network following a major supply disruption and continue to supply their own Auxiliaries or an isolated segment of system load.
UFLS	Under-frequency load shedding scheme
UIGF	unconstrained intermittent generation forecast
Unplanned Outage	Any transmission network outage that occurs unexpectedly.
USE	Unserved Energy
UVLS	Under-voltage load shedding scheme
Valid Pre-Dispatch Schedule	The most recently published pre-dispatch schedule that best approximates the condition of the power system.
Violation Degree	The amount (in MW) by which the left-hand-side (LHS) of a constraint equation violates the right-hand-side (RHS)