

GAS SUPPLY HUB EXCHANGE AGREEMENT

VERSION: 16.0
EFFECTIVE DATE: 6th October 2022

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TITLE: General Manager – Gas Reform

DATE: 6/10/2022

VERSION RELEASE HISTORY

Version	Effective date	Authority	Reason and changes
1.0	20/3/2014	AEMO	Market start version
2.0	13/4/2015	AEMO	Provision to determine and publish of End of Day Benchmark Price – clause 10.3
3.0	27/4/2015	AEMO	Provision for Agent Members and minor corrections
4.0	28/5/2015	AEMO	Provision for monthly products
5.0	1/6/2016	AEMO	Provision for Moomba Hub products and spread products
6.0	1/6/2016	AEMO	Provision for non-netted transactions and change to SWQP product specification
7.0	26/10/2016	AEMO	Provision for hub services (Wallumbilla)
8.0	26/10/2016	AEMO	Modifications to market parameters
9.0	28/3/2017	AEMO	Provision for Wallumbilla Trading Location
10.0	28/2/2018	AEMO	Provision for Moomba Enhancements and Trading Extension Window
11.0	15/8/2018	AEMO	Removal of limit on Security Deposit
12.0	23/11/2018	AEMO	Provision for trading Transportation Capacity to implement the Capacity Trading Platform
12.1	1/3/2019	AEMO	Extension of trading hours to 7pm, credit check on pre-matched trades and update to Physical Capacity Product
12.2	2/4/2019	AEMO	Correction to the trading hours for pre-matched trades
12.3	17/6/2019	AEMO	Extending trading hours for pre-matched, non-netted trades
12.4	26/6/2019	AEMO	Amendment to Capacity Products (NT pipelines, ROMA, EGP)
12.5	01/08/2019	AEMO	New Participant type: Broker Participant, changes to the MSP delivery point, extension to trading window for monthly products and extension to cut-off time to issue trade reports
13	01/10/2019	AEMO	Modifications for standard market timetable
13.1	22/09/2020	AEMO	Provision for custom delivery periods and extending the trading window for non-netted monthly products to 12 months.
14.0	28/1/2020	AEMO	Provision for NSW trading locations.
15.0	27/5/2021	AEMO	Provision for Restricted Trading between Related Trading Participants
15.1	22/9/2021	AEMO	Correction of Numbering and Schedules
15.2	16/11/2021	AEMO	Provision for Restricted Trading cancellation
16.0	6/10/2022	AEMO	Provision for Exchange for Physical (EFP) Trades

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1. PRELIMINARY

1.1. Introduction

The Australian Energy Market Operator Limited (AEMO) has established a gas trading exchange known as the gas supply hub, in accordance with the National Gas Law and National Gas Rules. The gas supply hub takes the form of an electronic trading platform and related systems known as the Exchange, through which participants can trade physical gas and related products.

1.2. Exchange Agreement

This Exchange Agreement is made by the Operator under the National Gas Rules. This Exchange Agreement (including its schedules and the Settlements and Prudential Methodology) and Part 22 of the National Gas Rules set out or provide for the terms of participation in the Exchange and transactions entered into through the Exchange.

1.3. Membership Agreements

This Exchange Agreement is made contractually binding between the Operator and all Members by the Membership Agreement executed by the Operator and by or on behalf of each Member.

2. DEFINITIONS AND INTERPRETATION

2.1. Definitions

Capitalised words and phrases in this agreement are defined below unless specified otherwise.

AEMC means 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).

AER means the Australian Energy Regulator, which is established under section 44AE of the Competition and Consumer Act 2010 (Cth).

Agent Member means a Member appointed as an Agent Member under this agreement.

Appointing Member means, in relation to an Agent Member, each Member from time to time appointing that Agent Member.

ASX means ASX Clear (Futures) Pty Limited ACN 050 615 864.

Auction Agreement means an agreement in the form of the Auction Agreement in the CTA Procedures.

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

Authority means 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 their respective successors.

Base Product is defined in clause 12.1.

Bid means an offer to enter into a Transaction as a Buyer except in relation to a Spread Product, where it has the meaning given in clause 12.1.

Billing Period means the period commencing at the start of the Gas Day starting on the first day of the month and ending at the end of the Gas Day starting on the last day of the month.

Broker Participant means a Member registered as a Broker Participant in accordance with clause 6.5.

Broker Pre-matched Trade means Transaction formed in accordance with clause 13.3.

Business Day has the same meaning as in the National Gas Law.

Buyer, in relation to a Transaction, means (where the Commodity is a good) the person with an obligation to accept a quantity of Commodity made available for delivery or (where the Commodity is a service, including capacity), the person with an obligation to accept the transfer of the right to use the service.

Capacity means a right to use a quantity of a Forward Haul Service, Compression Service or Park Service, as applicable to the Product and identified in the Product Specification.

Capacity Type means each combination of:

- (a) Transportation Service; and
- (b) Zones (for Forward Haul Service or Compression Service) or Pipeline and Park Service Points (for Park Service),

even if the Transportation Service is offered under different Service Terms, for example as daily, weekly and monthly Products.

Capacity Variance Amount is defined in clause 17.3.

Capacity Variance Quantity means, for Physical Capacity, that part of a Transfer Quantity in respect of which a Transfer Failure has occurred.

Close Out Amount is defined in clause 17.3.

Close Out Effective Date is defined in clause 20.5.1(b).

Close Out Quantity is defined in clause 20.5.2(b).

Close Out Location Swap Quantity is defined in clause 20.5.2(c).

Combined Transfer means an STTM Transfer, a DWGM Transfer or a Transfer of Capacity by more than one Facility Operator.

Commodity is defined in clause 12.1.

Common Delivery Point means for a Trading Location for a Product the subject to Delivery Matching, the Delivery Point specified as such in schedule 2 or schedule 3 as applicable.

Compression Delivery Zone means a Compression Delivery Zone identified in the Transportation Service Point Register.

Compression Receipt Zone means a Compression Receipt Zone identified in the Transportation Service Point Register.

Compression Service means in relation to a Compression Service Facility, the traded compression service provided for in the Standard OTSA for the facility.

Compression Service Facility means a Compression Service Facility identified in the Transportation Service Point Register.

Compression Zone means a Compression Receipt Zone or a Compression Delivery Zone.

Confidential Information is defined in clause 22.1.

Corporations Act means the Corporations Act 2001 (Cth).

Credit Support means a security provided to the Operator in respect of a Market Participant that meets the requirements of clause 9.2.1(c).

Credit Support Provider means a person that meets the requirements under clause 9.2.2 and 9.2.3 and is the issuing party that assumes obligations to the Operator pursuant to a Credit Support.

CTA Procedures means the Capacity Transfer and Auction Procedures made under the National Gas Law as amended from time to time.

Default Base Product Delivery Point is defined in clause 12.1.

Default Event is defined in clause 20.

Default Notice means a notice issued by the Operator under clause 20.3.

Default Premium Product Delivery Point is defined in clause 12.1.

Default Reference Price is defined in clause 12.1.

Delivering Participant means, in relation to a Delivery Quantity for Physical Gas:

- (c) where Delivery Netting applies, the Trading Participant determined to be the Delivering Participant under clause 14.7;
- (d) in the case of a Location Swap, the Buyer in relation to the Swap Receipt Point and the Seller in relation to the Swap Delivery Point; and
- (e) otherwise, the Seller under the relevant Transaction.

Delivering Participant means, in relation to a Transfer Quantity for Physical Capacity, the Trading Participant determined to be the Delivering Participant in accordance with clause 14A.3.

Delivery Matching means the application of the principles in or referred to in clause 14.7.4 when scheduling under clause 14.7.2.

Delivery Netting means, where applicable under clause 14.7.1, the process of scheduling and communicating the net quantities of gas to be delivered and received by relevant Trading Participants on a Gas Day at a Trading Location under clause 14.7.

Delivery Netting means for Physical Capacity Transactions, the process in clause 14A.3 and under the CTA Procedures for notifying net quantities of Capacity for Transfer for each Gas Day.

Delivery Period is defined in clause 12.1.

Delivery Quantity means, for Physical Gas:

- (f) where Delivery Netting applies to the Product, the quantity of gas determined under clause 14.7 to be delivered and received respectively by a matched Delivering Participant and Receiving Participant on a Gas Day at a Delivery Point; and
- (g) otherwise, the Transaction Quantity under the relevant Transaction.

Delivery Point is defined in clause 12.1.

Delivery Variance Amount is defined in clause 17.3.

Delivery Variance Quantity, for a Buyer or a Seller in respect of a Transaction and a Gas Day, means the quantity calculated under clause 15.3

Dollar Reallocation Amount means the dollar amount to be credited or debited to a Market Participant under a Reallocation, as specified in the relevant Reallocation Request.

DWGM Reference means information to identify an accredited controllable quantity for the purposes of Part 19 of the Rules.

DWGM Transfer means a Transfer of Capacity at a DWGM interface point (as defined in the CTA Procedures).

EFP Trade is a Transaction formed in accordance with clause 13.4.

EFP Trade Information is the information provided by the Trading Participants for an EFP Trade.

EFP Trading Window means the period during which Transactions may be formed for an EFP Trade for a particular Product and Delivery Period, as specified in the Product Specification.

Energy Reallocation Quantity means a quantity of gas (in GJ) to which a price is to be applied for the purposes of a Reallocation, as specified in the relevant Reallocation Request.

Exchange means the electronic exchange established and operated by the Operator for the purposes of the gas supply hub, participation in which is governed by this Exchange Agreement.

Exchange Agreement means this Gas Supply Hub Exchange Agreement, including its schedules, each Membership Agreement, and the terms of Transactions formed from time to time.

Exchange Fees means the exchange fees determined in accordance with clause 5.5 and Part 22 of the National Gas Rules.

Facility Operator means a Transportation Facility Operator registered under the CTA Procedures in accordance with section 91BRR of the National Gas Law.

Final Statement means a statement issued by the Operator under clause 18.1.

Force Majeure is defined in clause 25.

Forward Gas means Physical Gas other than On-the-Day Gas and Gas Compression Location Swaps.

Forward Haul Service means in relation to a Pipeline, the traded forward haul service provided for in the Standard OTSA for the Pipeline.

Gas Compression Service means a service provided by a Gas Transporter for the movement of gas from a low pressure location to a high pressure location by means of a gas compression facility.

Gas Compression Services Agreement means an agreement under which a Gas Transporter provides Gas Compression Services. A Gas Compression Services Agreement may consist of one or more instruments and may be incorporated in or form part of a Gas Transportation Agreement.

Gas Compression Location Swap means a Location Swap where the Swap Receipt Point and the Swap Delivery Point are also the low pressure receipt point and the high pressure delivery point for a Gas Compression Service procured by the Seller under a Gas Compression Services Agreement.

Gas Day, in relation to a Product, means, subject to clause 27.12, a 24 hour period beginning at 6.00am Australian Eastern Standard Time.

Gas Future ID is the ID specified in the EFP Trade Information for an EFP Trade.

Gas Transportation Agreement means an agreement (which may consist of one or more instruments) under which a Gas Transporter provides gas transportation and delivery services to another person by means of a gas transportation pipeline.

Gas Transporter means each of the entities identified in schedule 2 or schedule 3 as a service provider for a gas transportation pipeline identified in schedule 2 or schedule 3 respectively, and their respective successors in that capacity or, in relation to a Pre-matched Trade or Broker Pre-matched Trade, the service provider for the gas transportation pipeline agreed between the Trading Participants to the Pre-matched Trade or the Trading Participant and Broker Participant to the Broker Pre-matched Trade.

Good Gas Industry Practice means the practices, methods and acts that would reasonably be expected from experienced and competent persons engaged in a business of providing natural gas services in Australia, acting with all due skill, diligence, prudence and foresight and in compliance with all applicable legislation, authorisations and industry codes of practice.

Implied Order is defined in clause 12.1.

Intellectual Property Rights means any intellectual property rights and any industrial property rights throughout the world and includes rights in respect of or in connection with inventions (including

patents), copyright, trade marks, service marks, designs and circuit layouts; trade, business, company or domain names; rights to have confidential information kept confidential; other proprietary rights; or rights to registration of such rights existing anywhere in the world.

Interest Rate has the same meaning as in the National Gas Rules.

Interface Protocol means the Gas Supply Hub Interface Protocol described in clause 7.1.

Last Trading Date is defined in clause 12.1

Low Pressure Settlement Adjustment Amount is defined in clause 17.3.2.

Location Swap means any Product for which the terms require:

- (h) the Buyer to deliver and the Seller to accept a specified quantity of gas at the Swap Receipt Point over the Delivery Period; and
- (i) the Seller to deliver and the Buyer to accept the same quantity of gas at the Swap Delivery Point over the same Delivery Period.

A Gas Compression Location Swap is one form of Location Swap.

Margin Call means a request issued by the Operator to a Market Participant under clause 9.4.2 to bring its Trading Margin above a specified level.

Market Conduct Rules means the market conduct rules applicable to the Exchange in Part 22 of the National Gas Rules.

Market Participant means a Trading Participant, a Reallocation Participant or a Broker Participant.

Member means a person (other than the Operator) who is a party to the agreement constituted by this Exchange Agreement from time to time, by reason of that person (or an Agent Member for and on behalf of that person) having executed a Membership Agreement that has not been terminated.

Membership Agreement means an agreement in the form of the Gas Supply Hub Membership Agreement in schedule 1.

National Gas Law means the National Gas Law as set out in the Schedule to the National Gas (South Australia) Act 2008 (SA).

National Gas Rules has the same meaning as in the National Gas Law.

Net Swap Imbalance is defined in clause 15.4.

Nominated DWGM Participant means in relation to a DWGM Transfer, a Trading Participant who is a party to the DWGM Transfer or the person nominated by the Trading Participant in its capacity as agent for that person.

Nominated Transportation Agreement means in relation to a party to a Physical Capacity Transaction, the agreement nominated by the party as the agreement from which, or to which, a Transfer is to be made to give effect to the Physical Capacity Transaction.

On-the-Day Gas means a Physical Gas Product for which the Delivery Period falls within a single Gas Day D and the Trading Window ends on that Gas Day.

Off-Specification Gas means gas that does not meet the specification referred to in clause 14.5.3 for the relevant Delivery Point.

Offer means an offer to enter into a Transaction as a Seller except in relation to a Spread Product, where it has the meaning given in clause 12.1.

Offset Amount is defined in clause 17.3.

Offset Quantity is defined in clause 20.5.2.

Operator means AEMO and includes such other person as may be appointed by AEMO as its agent to perform the role of Operator under this agreement from time to time.

Order means a Bid and/or an Offer as the context requires but does not include Implied Orders displayed pursuant to clause 13.6.

Order Quantity is defined in clause 12.1. **OTS Code** means the Operational Transportation Service Code as defined in the National Gas Law.

Parcel Size is defined in clause 12.1. **Park Service** means in relation to a Pipeline, the traded park service provided for in the Standard OTSA for the facility.

Park Service Point means a Service Point at which:

- (j) a Transportation Service Provider will receive or deliver gas in connection with the Park Service; and
- (k) a user of the Park Service must hold transportation capacity of the type determined by the Transportation Service Provider in order to be able to use the Park Service.

Physical Capacity means any Product where the terms require the Seller to make available and the Buyer to accept, a Transfer of Capacity as specified in the Product Specification.

Physical Gas means any Product for which the terms require the Seller to make available for delivery, and the Buyer to accept, a specified quantity of gas at a specified point, and includes a Location Swap.

Physical Gas Amount is defined in clause 17.3.

Pipeline means, in relation to Physical Capacity, a pipeline identified in the Transportation Service Point Register.

Pipeline Delivery Zone means a Pipeline Delivery Zone identified in the Transportation Service Point Register.

Pipeline Receipt Zone means a Pipeline Receipt Zone identified in the Transportation Service Point Register.

Pipeline Zone means a Pipeline Delivery Zone or a Pipeline Receipt Zone.

Pre-matched Trade is a Transaction formed in accordance with clause 13.2.

Premium Product is defined in clause 12.1.

Pre-opening Period means the 30 minute period immediately before the start of Trading Hours each day and, if the operation of the Trading System is suspended during Trading Hours, the 30 minute period starting at the time the Operator lifts the suspension under clause 11.2.

Price is defined in clause 12.1.

Primary Facility Agreement means an agreement between a Transportation Service Provider and a transportation facility user (as defined in the National Gas Law) for the provision of a Transportation Service using transportation capacity acquired by the transportation facility user from the Transportation Service Provider.

Product means each of the products offered through the Exchange from time to time, defined by a Product Specification.

Product Limit is defined in clause 12.1.

Product Specification means each Schedule or part of a Schedule to this Exchange Agreement which is described as a product specification, setting out the terms of Orders for that Product that will form part of the terms of any Transaction for that Product.

Prudential Exposure, for a Trading Participant at any time, means the amount of its actual or contingent liability calculated by the Operator under clause 9.4.1.

Reallocation means a transaction under which the Operator makes a matching debit and credit in respect of two Market Participants for the same Gas Day, in accordance with their Reallocation Request.

Reallocation Participant means a Member registered as a Reallocation Participant in accordance with clause 6.4.

Reallocation Procedures means the procedures published by the Operator under clause 16.1.

Reallocation Request means a request to the Operator for a Reallocation under clause 16.2.

Reallocation Amount is defined in clause 17.3.

Receiving Participant means, in relation to a Delivery Quantity for Physical Gas:

- (l) where Delivery Netting applies, the Trading Participant determined to be the Receiving Participant under clause 14.7;
- (m) in the case of a Location Swap, the Buyer in relation to the Swap Delivery Point and the Seller in relation to the Swap Receipt Point; and
- (n) otherwise, the Buyer under the relevant Transaction.

Receiving Participant means in relation to a Transfer Quantity for Physical Capacity, the Trading Participant determined to be the Receiving Participant in accordance with clause 14A.3.

Resulting Transaction is defined in clause 12.1.

Revised Statement means the statement issued by the Operator under clause 18.4(a).

Rules Methodology means the methodology determined under rule 536(3) of the National Gas Rules.

Seller, in relation to a Transaction, means (where the Commodity is a good) the person with an obligation to make a quantity of Commodity available for delivery or (where the Commodity is service, including capacity), to make the service available for use.

Service Point means a service point identified in the Transportation Service Point Register.

Service Term is defined in clause 12.1.

Settlement Amount is defined in clause 17.3.

Settlement Statement means a Final Statement or a Revised Statement.

Settlement means the activity of billing and settlement of amounts payable in respect of Transactions and other amounts payable under or by reference to this agreement.

Settlements and Prudential Methodology means the methodology established under clause 17.3.

Spread Product is defined in clause 12.1.

Spread Product Price is defined in clause 12.1.

Standard OTSA means in relation to a Transportation Facility, the standard OTSA (as defined in the National Gas Law) for the Transportation Facility. In relation to any Physical Capacity Transaction, a reference to the Standard OTSA is a reference to the standard OTSA in the form current on the date the Physical Capacity Transaction is formed under this agreement.

STTM Integrated Product means a Product to which clause 9.2 of the CTA Procedures applies and identified as such in the Product Specification.

STTM Reference means the identifier for a registered facility service under Part 20 of the National Gas Rules.

STTM Transfer means a Transfer of Capacity at an STTM interface point (as defined in the CTA Procedures).

Swap Delivery Point is defined in clause 12.1.

Swap Receipt Point is defined in clause 12.1.

Suspension Event is defined in clause 19.1.

Time Stamp is the means of identifying the time and date at which data is transmitted, received or created by the Trading System. An Order may be given a new Time Stamp when it is modified, or re-activated after withdrawal.

Trading Halt means a suspension by the Operator of a Member's access to or use of the Trading System in accordance with clause 19.

Trading Hours means the trading days and hours during which the Trading System is normally available for access and use, and Transactions can be formed.

Trading Limit, for a Trading Participant at any time, means the amount calculated by the Operator under clause 9.4.1 by reference to the amount of that Trading Participant's Credit Support.

Trading Location means each notional point in respect of which Products may be defined, as identified in schedule 2 or schedule 3.

Trading Margin, for a Trading Participant at any time, means its Trading Limit less its Prudential Exposure calculated under clause 9.4.1.

Trading Participant means a Member registered as a Trading Participant in accordance with clause 6.2(b).

Trading System means the electronic platform established and administered by the Operator through which Orders will be made and posted and Transactions formed, together with all other systems that enable or support the viewing, trading and Settlement of Products, communications under this agreement and other matters provided for in this agreement.

Trading Window means the period during which Transactions may be formed for a particular Product and Delivery Period, as specified in the Product Specification.

Transaction means a transaction in respect of a Product that is formed on the Exchange in accordance with clause 13.

Transaction Price means, for a Physical Gas Transaction, the price (in \$/GJ) applicable to that Transaction, as determined under clause 13.1.1(b).

Transaction Quantity means, for a Physical Gas Transaction, the quantity of gas (in GJ/Gas Day) to be delivered in each Gas Day in the Delivery Period, as determined under clause 13.1.1(b).

Transfer means:

- (o) in relation to a Delivering Participant, to reduce the Delivering Participant's quantity of Capacity under the Delivering Participant's Nominated Transportation Agreement; and
- (p) in relation to a Receiving Participant, to increase the Receiving Participant's quantity of Capacity under the Receiving Participant's Nominated Transportation Agreement.

Transfer Completion is defined in clause 14A.2(a).

Transfer Error means a Transfer that:

- (q) reaches Transfer Completion but that is identified as incorrect (for example, is for the wrong quantity, Capacity Type, Gas Day or Nominated Transportation Agreement); or
- (r) does not reach Transfer Completion, but is not a Transfer Failure.

Transfer Failure is defined in clause 14A.5(a) (including where one Transfer in a Combined Transfer has failed to pass Transfer Validation).

Transfer Quantity is defined in clause 14A.3(f).

Transfer Validation means the validation process for Transfers undertaken under the CTA Procedures.

Transportation Facility means each Transportation Facility identified in the Transportation Service Point Register.

Transportation Service means, in relation to a Transportation Facility, a Forward Haul Service, Park Service or Compression Service (as applicable).

Transportation Service Provider means a transportation service provider within the meaning of the National Gas Law.

Transportation Service Point Register means the register of that name maintained in accordance with the CTA Procedures, as amended from time to time. Unit is defined in clause 12.1.

Viewing Participant means a Member registered by the Operator as a Viewing Participant in accordance with clause 5.

Zone means a Pipeline Zone or a Compression Zone.

2.2. Meaning of 'gas'

A reference to 'gas' is to natural gas as defined in the National Gas Law unless otherwise specified.

2.3. Meaning of 'may'

Where this agreement provides that the Operator 'may' do something, it is a right which it may exercise in its absolute discretion (subject to this agreement) and the Operator is not under any obligation to do so.

2.4. Exchange Agreement

- (a) Each Membership Agreement forms part of, and is incorporated into, this Exchange Agreement and together they form one agreement to which, at any time, all Members and the Operator are a party.
- (b) This Exchange Agreement and the Membership Agreements are to be read and construed as one document.
- (c) Any schedule or annexure forms part of this Exchange Agreement and has effect as if set out in full in the body of this agreement.
- (d) The Settlements and Prudential Methodology forms part of this Exchange Agreement and has effect as if set out in full in the body of this agreement.
- (e) This Exchange Agreement, as amended from time to time, will be published in electronic form by the Operator. The Parties agree that the authoritative text of this Exchange Agreement, and each amendment to it, will be the text designated and maintained as such by the Operator on its website.

2.5. Headings

In this agreement, any heading, index, table of contents or marginal note is for convenience only and does not affect the interpretation of this agreement.

2.6. General interpretation rules

In this agreement, unless a contrary intention appears:

- (a) a reference to a clause, schedule or annexure is a reference to a clause, schedule or annexure to this agreement;
- (b) a reference to this agreement or another agreement or document includes that document as amended, varied, novated, supplemented or replaced from time to time;
- (c) a reference to legislation or a provision of legislation includes all regulations, orders or instruments issued under the legislation or provision; and any modification, consolidation, amendment, re-enactment, replacement or codification of such legislation or provision;
- (d) a reference to a person, corporation, trust, partnership, unincorporated body, government authority or other entity includes any of them;
- (e) a reference to a person includes that person's successors, substitutes and permitted assigns; (and, where applicable, the person's legal personal representatives);
- (f) a reference to dollars or \$ is a reference to Australian dollars;
- (g) where a word or expression is defined or given meaning, another grammatical form has a corresponding meaning;
- (h) the singular includes the plural and vice versa;
- (i) a gender includes all other genders;
- (j) if a word or phrase is defined, its other grammatical forms have a corresponding meaning;
- (k) the word "includes" or "including" or "such as" are not words of limitation, and when introducing an example, do not limit the meaning of the words to which the example relates to examples of a similar kind;
- (l) if a party to this agreement is made up of more than one person, an obligation of that party is a joint and several obligation of those persons, a right of that party is held by each of those persons separately, and any other reference to that party is a reference to each of those persons separately, so that (for example) a representation, warranty or undertaking is given by each of them separately;
- (m) a provision of this agreement shall not be construed to the disadvantage of a party merely because that party was responsible for the preparation of this agreement or the inclusion of the provision in this agreement.

2.7. Time and Days

- (a) References in this agreement to a time of day are to Australian eastern standard time (and are not adjusted for daylight saving time in any jurisdiction).
- (b) In this agreement, unless otherwise specified:
 - (i) a period of time expressed to commence before or after a given day, or before or after the day of an act or event, is to be calculated exclusive of that day; and
 - (ii) a period of time expressed to commence on a given day, or on the day of an act or event, is to be calculated inclusive of that day.

- (c) In this agreement, the following terms may be used to identify a Gas Day:
- (i) **D** refers to the Gas Day for which a matter is to be calculated or determined, or on which an event is to occur or has occurred.
 - (ii) **D-n** (1, 2, 3, etc.) refers to events or calculations that occur on the Gas Day that is n or a specified number (1, 2, 3 etc.) of Gas Days before Gas Day D and which pertain to Gas Day D.
 - (iii) **D+n** (1, 2, 3 etc.) refers to events or calculations that occur on the Gas Day that is n or a specified number (1, 2, 3 etc.) of Gas Days after Gas Day D and which pertain to Gas Day D.
 - (iv) **n** represents a number of Gas Days.

2.8. Quantities

- (a) One megajoule or MJ is 1,000,000 joules.
- (b) One gigajoule or GJ is 1,000 megajoules.
- (c) One terajoule or TJ is 1,000 gigajoules.
- (d) All references to units of measurement are references to the units of measurement defined in or for the purposes of the National Measurement Act 1960 (Cth).
- (e) All numerical information used and calculations made under this agreement will be, as far as practical, to an accuracy of 4 decimal places, or such greater accuracy as may be necessary to ensure that financial calculations are correct to the nearest cent.

2.9. Product Specifications

- (a) Each Product to be offered for trading through the Exchange will be defined by a Product Specification.
- (b) Product Specifications will be determined by the Operator from time to time after consulting with Trading Participants in accordance with clause 3, and will be incorporated into and form part of this Agreement.

2.10. Agent Members

In relation to an Agent Member and its Appointing Members:

- (a) the Agent Member will represent the Appointing Members and will exercise the rights and perform the obligations of the Appointing Members under and in connection with this Agreement as agent for the Appointing Members;
- (b) each Appointing Member's rights of access to and use of the Trading System must be the same as each other Appointing Member and must only be exercised through its Agent Member;
- (c) except as otherwise expressly provided in this Agreement, a reference to a Member (including a Member participating in a relevant category) includes a reference to the Agent Member acting for and on behalf of the Appointing Members;
- (d) the obligations of the Appointing Members are joint and several obligations of those Appointing Members, a right of an Appointing Member is held by each of those Appointing Members separately, and any other reference to that Appointing Member is a reference to each of the Appointing Members separately, so that (for example) a representation, warranty or undertaking is given by each of them separately;

- (e) all acts and omissions of the Agent Member under or in connection with this Agreement are taken to be acts and omissions of all the Appointing Members;
- (f) the Appointing Members are jointly and severally liable for the acts and omissions of their Agent Member under or in connection with this agreement;
- (g) payment or delivery to or other performance in favour of the Agent Member under or in connection with this Agreement is taken to be payment or delivery to or other performance in favour of its Appointing Members; and
- (h) no party to this Agreement is required to inquire into the scope of the authority of the Agent Member and each Appointing Member is bound by and will ratify all acts and omissions of the Agent Member under or in connection with this Agreement.

2.11. Broker Participants

For the purpose of the following clauses in this Agreement, references to Trading Participants are taken to include Broker Participants:

- (a) 2.9
- (b) 5.3.5
- (c) 9.4
- (d) 12.3
- (e) 12.4
- (f) 12.5
- (g) 13.4
- (h) 13.5
- (i) 14.1
- (j) 14.2
- (k) 14.3
- (l) 14.4 and 14.5 and 14.6 and 15 (as references to Trading Participant in clause 14.7 includes a Broker Participant for the purpose of determining the Delivering Participant and Receiving Participant to which clauses 14.4 and 14.5 and 14.6 and 15 apply)
- (m) 14.6
- (n) 14.7
- (o) 15
- (p) 17
- (q) 18
- (r) 19.(c)
- (s) 20.4
- (t) 20.5
- (u) 21.5

3. AMENDMENTS TO THIS AGREEMENT

3.1. How amendments are made

- (a) Amendments to this agreement can only be made by the Operator in accordance with this clause 3, subject to the relevant provisions of Part 22 of the National Gas Rules.
- (b) A notice of an amendment to this agreement purporting to be made by the Operator in accordance with this clause 3 takes effect from the date specified in the notice in accordance with its terms, notwithstanding any failure or alleged failure by the Operator to comply with the provisions of this part in relation to the amendment concerned.

3.2. Amendment proposals

- (a) A proposal by the Operator or any other person to amend this agreement must be made in writing and include:
 - (i) an outline of the proposed amendment;
 - (ii) a description of, and an explanation of the reasons for, the proposed amendment; and
 - (iii) to the extent reasonably practicable, an analysis of the costs and benefits of the proposed amendment.
- (b) Unless the Operator rejects a proposal in accordance with the National Gas Rules, within 40 Business Days of formulating or receiving a proposal for an amendment, the Operator must publish on its website:
 - (i) the proposal;
 - (ii) a notice in accordance with clause 3.3(b) or 3.4(b), as applicable; and
 - (iii) an impact and implementation report prepared by the Operator containing:
 - (A) a critical examination of the proposed amendment and its likely effect (including its costs and benefits); and
 - (B) the Operator's preliminary view on whether the proposed amendment or an alternative amendment should be made.
- (c) If the Operator rejects a proposed amendment under the National Gas Rules, the Operator must give the proponent written notice of the decision and the reasons for it.
- (d) If a proponent withdraws its proposal to amend this agreement, the process for considering the proposal lapses unless the Operator decides to adopt the proposal.

3.3. Consultation process

- (a) Unless the expedited process in clause 3.4 applies, the Operator must follow the process set out below for consulting on a proposal to amend this agreement.
- (b) The notice to be published under clause 3.2(b)(ii) must invite Members and other interested persons to submit written comments on the proposal to the Operator on or before a date specified in the notice (which must be at least 20 Business Days after the date of the notice).
- (c) If the Operator considers it appropriate having regard to issues raised in submissions, it may undertake further consultation on specified issues or alternative proposals, and the notice and minimum time periods in paragraph (b) apply to that further consultation.

- (d) The Operator must publish its decision on the proposal on its website within 20 Business Days after the closing date for submissions under paragraph (b) or (d) as applicable. The decision must:
 - (i) summarise any comments received on the proposal;
 - (ii) set out the proposed amendment to be made (if any);
 - (iii) if the proposed amendment is materially different from the original proposal, describe how and why the proposal has been revised;
 - (iv) if the decision is to make a proposed amendment then specify the day on which the amendment is to take effect; and
 - (v) if the decision is against making any proposed amendment, state that the proposal has been rejected and give reasons for the rejection.
- (e) At least 15 Business Days before the day on which any amendment is to take effect, or an earlier date fixed by this agreement in any particular case, the Operator must:
 - (i) notify all Members and the AER of the amendment; and
 - (ii) publish the amendment and the amended Exchange Agreement on its website.
- (f) In determining whether or not to make an amendment under this provision, the Operator must take into account all relevant and material comments that it receives by the closing date for comments and may take into account any comments it receives after that date.

3.4. Expedited process

- (a) The expedited process set out in this clause 3.4 applies to a proposal to amend this agreement if the Operator considers that the proposed amendments:
 - (i) are of a minor or administrative nature; or
 - (ii) relate to a matter that, if not addressed urgently, will result in that matter imminently prejudicing or threatening the effective operation of the Exchange.
- (b) The notice to be published under clause 3.2(b)(ii) must:
 - (i) invite Members and other interested persons to submit written comments on the proposal to the Operator on or before the date specified in the notice (which must be at least 10 Business Days after the date of the notice); and
 - (ii) specify a date (the proposed effective date) for the proposed amendment to take effect.
- (c) After the closing date for submissions, the Operator must, by notice published on its website, do one of the following:
 - (i) confirm the proposal and either confirm the proposed effective date or specify a later effective date;
 - (ii) amend the proposal and either confirm the proposed effective date or specify a later effective date;
 - (iii) defer a decision on the proposal and provide for further consultation before the final decision on the proposal is made; or
 - (iv) withdraw or reject the proposal.
- (d) The Operator must give as much notice of the expedited amendment as is reasonably practicable before it takes effect, by:
 - (i) notifying each Member and the AER of the amendment; and

- (ii) publishing the amendment and the amended Exchange Agreement on its website.

3.5. Extension of time

- (a) The Operator may, by notice given to Members and published on its website, extend a time limit specified in this clause 3 if the Operator considers that:
 - (i) the relevant proposal raises questions of such complexity or difficulty that an extension of the time limit is justified; or
 - (ii) a material change of circumstances occurs justifying the extension of the time limit,
 - (iii) and the notice must state the reasons for the extension.

3.6. Amendments to procedures and other documents

- (a) Any document (including forms, procedures, protocols, agreements and other instruments) required to be established by the Operator under or for the purposes of this agreement but which does not form part of this agreement may be established and amended by the Operator in accordance with this clause 3.6.
- (b) The Operator will designate and publish the initial version of each such document on its website.
- (c) The Operator may amend any such document from time to time, by giving a notice to Members that gives reasonable detail of the amendments to be made. The Operator must publish the amended document on its website.
- (d) If this agreement requires the Operator to consult in relation to any amendment, then the Operator must (if no specific consultation procedures are specified) follow such consultation procedures as it considers appropriate, which must give Members a reasonable opportunity to consider and comment on the proposed amendment (having regard to the nature of the proposed amendment).
- (e) An amendment takes effect at the time specified by the Operator in the notice, which must be a reasonable time after the notice of amendment is given, having regard to the nature and effect of the amendment.

4. MEMBERSHIP

4.1. Eligibility

- (a) To be eligible to become (and remain) a Member, a person must:
 - (i) be resident in, or have a permanent establishment in, Australia, provided that the Operator may waive this requirement in respect of a Member who is to be registered only as a Viewing Participant;
 - (ii) not be an externally-administered body corporate (as defined in the Corporations Act) or under a similar form of administration under the laws of some other jurisdiction;
 - (iii) not be immune from liabilities incurred as a Member;
 - (iv) be capable of being sued in its own name in a court of competent jurisdiction;
 - (v) have offered to enter into and, (once that offer is accepted) remain a party to, a Membership Agreement.
- (b) Each Member must give information to the Operator on request to verify that it continues to be eligible to be a Member.

- (c) Each Member must notify the Operator immediately if it ceases to be eligible to be a Member.
- (d) In this clause 4.1, a reference to a Member does not include a reference to the Agent Member for an Appointing Member.

Note: Eligibility to be an Agent Member is dealt within in clause 4.5.

4.2. Application process

- (a) A person who wishes to become a Member must submit an application to the Operator together with a Membership Agreement duly executed by the applicant. An application must be in the form and contain the information specified by the Operator and must be accompanied by any applicable fee. An application by two or more persons who intend to appoint an Agent Member must also satisfy the requirements of clause 4.5.1.
- (b) The Operator may, within five Business Days of receiving an application, ask the applicant to provide further information or clarification in support of the application. If such a request is made, the application is taken to have been made when the further information or clarification is provided to the Operator's satisfaction. If the applicant does not provide further information or clarification to the Operator's satisfaction within 15 Business Days of the request, then the application lapses.
- (c) The Operator must accept or refuse an application for membership within 15 Business Days of receipt of the application or, if later, receipt of any additional information or clarification requested under paragraph (b).
- (d) If the Operator is satisfied that an application is complete and the applicant is eligible to become a Member, then the Operator must accept the application and enter into the Membership Agreement with the applicant, on behalf of the Operator and all Members.
- (e) Each Member authorises the Operator to enter into a Membership Agreement with an applicant in accordance with this clause, on behalf of that Member.
- (f) If the Operator is not satisfied that an applicant is eligible to become a Member, then the Operator must refuse the application.
- (g) If the Operator refuses an application, then it must give the applicant written reasons for the refusal.

4.3. Withdrawal and termination

- (a) The Operator may terminate the Membership Agreement in respect of all Members on not less than 30 days' notice to all Members, if the Operator ceases to be authorised to operate the Exchange or if the Exchange ceases permanently to operate.
- (b) Termination of this agreement in respect of individual Members can only be effected by the Operator in the circumstances specified in Part 22 of the National Gas Rules and in accordance with this clause 4.3.
- (c) The Operator must give notice of termination of a Membership Agreement to the relevant Member. In the case of termination at the request of the Member, the Operator must give that notice as soon as reasonably practicable after receiving that request, or on a date agreed with the Member.
- (d) A Member who has received a notice of termination under paragraph(c), whether or not the termination has taken effect: (
 - (i) must not continue to trade in any capacity through the Exchange; but

- (ii) must comply with its obligations in respect of Transactions already entered into, subject to close out and offset under clause 20.5 if applicable.
- (e) The termination of the Membership Agreement of a Member takes effect at the time specified by notice from the Operator to the Member (which may be given after the notice of termination under paragraph (c)). The Operator is not required to give such a notice until it is reasonably satisfied that:
 - (i) all liability accrued under this agreement in respect of the Member has been satisfied;
 - (ii) there are no current Transactions in respect of that Member for which Revised Statements have not been issued and all subsequent Settlements completed; and
 - (iii) the Member has executed all documents reasonably required by the Operator to give effect to that termination, as notified by the Operator to the Member.

4.4. Effect of termination

- (a) Except as expressly provided for in this agreement in relation to the closing out of Transactions, the termination of the Membership Agreement of a Member does not entitle that Member or any other party to any payment under this agreement.
- (b) The termination of this agreement in respect of a Member does not affect:
 - (i) the rights of a party to recover an amount, or the obligation of a party to pay an amount, that became payable prior to the date of termination or expiration;
 - (ii) any rights of a party that otherwise relate to, or may arise in the future from, any breach or non-observance of obligations under this agreement; or
 - (iii) the operation of this clause and clauses 10.4(b) and 10.4(c) (records), 21 (dispute resolution), 22 (confidentiality), 24 (liability) and 27.2 to 27.11 (miscellaneous).
- (c) This agreement continues in force:
 - (i) between all existing parties and the new Member on the entry into any Membership Agreement; and
 - (ii) between all continuing parties on the termination of any Membership Agreement.

4.5. Appointing Members and Agent Members

4.5.1. Agent Member applications

- (a) To appoint an Agent Member, an application must be made under clause 4.2(a) by the Appointing Member and the Agent Member.
- (b) The Appointing Members for an Agent Member may specify that it is a joint appointment (for example, where the Agent Member is appointed by the members of a joint venture). For a joint appointment, the application must be joint. An Agent Member whose appointment was accepted by the Operator before the date this clause was inserted in this agreement is taken to be a joint appointment by the Appointing Members.
- (c) In addition to satisfying the requirements of clause 4.2 (where applicable), an application under clause 4.5.1(a) must:
 - (i) contain the information specified by the Operator about the proposed Agent Member;
 - (ii) specify whether it is a joint appointment; and

- (iii) be accompanied by information in a form satisfactory to the Operator evidencing that all the applicants have appointed the proposed Agent Member to act as their agent under and in connection with this agreement and in respect of the same participant category, and that the Agent Member has accepted that appointment.
- (d) To be eligible to act (and remain) as an Agent Member, a person must:
 - (i) have been appointed to be an Agent Member and that appointment must not have been revoked;
 - (ii) be resident in, or have a permanent establishment in, Australia;
 - (iii) not be an externally-administered body corporate (as defined in the Corporations Act) or under a similar form of administration under the laws of some other jurisdiction;
 - (iv) not be immune from liabilities incurred as an Agent Member; and
 - (v) be capable of being sued in its own name in a court of competent jurisdiction; and
 - (vi) if the person is also a party to an Auction Agreement, have been appointed by the same persons to be their "Agent Participant" under the Auction Agreement, and that appointment must not have been revoked.
- (e) Clause 4.2 applies to the consideration of an application under this clause with any necessary changes. In addition, if the Operator is not satisfied that any proposed Agent Member is eligible, then the Operator may refuse to accept the appointment (even if it accepts the application for membership).
- (f) If the Operator accepts the appointment of an Agent Member, it must notify the applicants.
- (g) There is deemed to be a Suspension Event for the purposes of clause 19.2(a)(ii) in relation to all the Appointing Members for the Agent Member and the Operator may impose a Trading Halt in accordance with and subject to the provisions of clause 19 if either of the following occurs:
 - (i) if the Operator has reasonable grounds to believe that an Agent Member is no longer eligible to be an Agent Member and the Appointing Members (themselves or through the Agent Member) have failed to give the Operator information to verify the Agent Member's continued eligibility within 2 Business Days of the Operator requesting that information from the Appointing Members;
 - (ii) for any reason, there is no current Agent Member in respect of the Appointing Members.

4.5.2. Changes to the Appointing Members

- (a) An Agent Member may from time to time on application to the Operator containing the information specified by the Operator:
 - (i) include an additional person as an Appointing Member for the Agent Member; or
 - (ii) remove a Member as an Appointing Member for the Agent Member.
- (b) If the Agent Member is also an Agent Participant under an Auction Agreement and an application is made under paragraph (a), a corresponding application must also be made under the Auction Agreement.
- (c) Any application under paragraph (a) to include an additional person as an Appointing Member must be accompanied by information in a form satisfactory to the Operator evidencing that the person has appointed the proposed Agent Member to act as its agent for the purposes of this agreement (and if the Agent Participant is also an Auction

Participant under an Auction Agreement, the Auction Agreement) and that Agent Member has accepted that appointment.

- (d) If an application under paragraph (a) is made in respect of the joint appointment of an Agent Member for the purposes of this agreement, the Appointing Members for that Agent Member are taken to have given their consent to the change.
- (e) An application under paragraph (a) to include an additional person as an Appointing Member for the Agent Member must be accompanied by the Membership Agreement executed by the proposed new Appointing Member.
- (f) If the Operator is satisfied that the application is in order, then the Operator must accept the application and take the necessary steps to implement the change under this agreement.
- (g) A Member who is removed as an Appointing Member for an Agent Member:
 - (i) may request the termination of its Membership Agreement;
 - (ii) for so long as it continues as a Member:
 - (A) must comply with all the obligations applicable to it as a Member including the appointment of representatives under clause 5.3; and
 - (B) is automatically suspended from access to and use of the Trading System until the Operator gives the Member the confirmation referred to in clause 6.1(b).

4.5.3. Other provisions relating to Agent Member appointments

- (a) An Agent Member under a joint appointment:
 - (i) cannot be appointed as Agent Member by anyone else; and
 - (ii) except with the consent of the Operator, can only participate in the Exchange in its capacity as Agent Member under the joint appointment.
- (b) Where an Appointing Member is also party to an Auction Agreement, unless otherwise agreed with the Operator, the Appointing Member must at all times have appointed the same Agent Member under these Procedures and Agent Participant under the Auction Agreement.

4.5.4. Trading capacity for Appointing Members and Nominated DWGM Participants

- (a) A Trading Participant must be appointed as an Agent Member for an Appointing Member before it can include in any of its Orders a contract reference for an Appointing Member's facility agreement (for example, where the Agent Member is a group member placing Orders on behalf of other members of a group). For the purposes of this clause, an Appointing Member's facility agreement is an agreement with a Transportation Service Provider for the use of Capacity that the Appointing Member is a party to, but not the Agent Member.
- (b) Each Appointing Member for an Agent Member will be issued with a Participant ID so that contract information for the Appointing Member's facility agreement can be provided to the Operator by the Facility Operator in accordance with the CTA Procedures and the Appointing Member's facility agreement can be linked to the Agent Member in the Trading System. The issue of a Participant ID to the Appointing Member does not give the Appointing Member access to the Trading System.

- (c) A Nominated DWGM Participant must be registered as a Market Participant (as defined in Part 19 of the National Gas Rules) in the declared wholesale gas market established under that Part.
- (d) A Trading Participant is not required to be appointed as Agent Member for a person before nominating that person as a Nominated DWGM Participant for a DWGM Transfer. However, it must first give the Operator evidence satisfactory to the Operator that the person has appointed the Trading Participant as its agent for this purpose. That information may be provided as part of an application under clause 4.2 or as otherwise agreed with the Operator.

5. REGISTRATION AND ADMINISTRATION

5.1. Participant categories

- (a) Each Member must be registered as a Trading Participant, a Viewing Participant, a Reallocation Participant or a Broker Participant.
- (b) Subject to subclause (d) and (e), the same Member may be registered more than once in any or all participant categories.
- (c) A Trading Participant may on registration nominate to trade:
 - (i) both Physical Gas and Physical Capacity; or
 - (ii) Physical Capacity, and may change that nomination from time to time.
- (d) A Member may only be registered as a Trading Participant or a Broker Participant, not both.
- (e) A Member that is registered as a Broker Participant may not be registered as a Trading Participant, a Viewing Participant or a Reallocation Participant.

5.2. Register of Members

- (a) The Operator must establish a register of all current Members and Agent Members and keep that register up to date using information provided by Members in the application process and under this clause.
- (b) The register will include details of the Member's and Agent Member's name, address, contact details and other information required to be provided as part of the application process for inclusion in the register or required by the Operator from time to time. The register will also specify the Appointing Members for each Agent Member.
- (c) The Operator must publish a list of current Members and Agent Members and their contact details on its website.
- (d) Each Member must ensure that the information provided by it to the Operator for the register and under the other provisions of this clause 5 is accurate and must promptly notify the Operator of any changes to the information.
- (e) The Operator is not required to verify the accuracy of information provided to it by Members in the application process or under this clause and must perform and exercise its duties and rights and perform its obligations under this agreement on the basis that the information is correct.

5.3. Member Representatives

5.3.1. Members to Nominate Representatives

- (a) Each Member must nominate one or more individuals within its organisation (or that of the Agent Member, in the case of Appointing Members) to fulfil the roles required under this clause 5.3 on behalf of the Member in its capacity as a Trading Participant, a Reallocation Participant, a Viewing Participant or a Broker Participant. Appointing Members must make joint nominations of the same person for each role and may do so through their Agent Member.
- (b) Nominations must be in the form and include the information specified by the Operator.
- (c) Each Member is responsible for keeping the information about its representatives up to date and notifying the Operator promptly if there is any change to those details.
- (d) The Member warrants in favour of all Parties that its representatives nominated under this clause are authorised to act on behalf of the Member. (
- (e) Each Member warrants in favour of the Operator that each of the Member's representatives has consented to the use and disclosure of the person's personal information for the purposes contemplated under this agreement.

5.3.2. Primary contact

Each Member must nominate a primary contact for all matters under this agreement (other than those for which a specific representative is responsible under this clause 5.3) and to receive notices issued by the Operator to Members or a category of Members generally.

5.3.3. Systems representative

- (a) Each Member must nominate two or more systems representatives.
- (b) The role of the systems representatives is to communicate with the Operator on behalf of the Member about establishing and maintaining secure access to the Trading System in accordance with this agreement.

5.3.4. Settlement representatives for Market Participants

- (a) Each Market Participant must nominate two or more settlement representatives.
- (b) The role of settlement representatives is to communicate with the Operator on behalf of the Market Participant about matters relating to Settlement, Credit Support and prudential matters.

5.3.5. Additional representatives for Trading Participants

- (a) Each Trading Participant must nominate:
 - (i) one or more trading representatives; and
 - (ii) one or more delivery representatives.
- (b) The role of trading representatives is to communicate with the Operator and other Trading Participants on behalf of the Trading Participant about matters relating to Orders and Transactions.
- (c) The role of delivery representatives is to communicate with the Operator and other Trading Participants on behalf of the Trading Participant about matters relating to the delivery or acceptance of Physical Gas or other goods or services under a Transaction.

5.4. Authorised user identities

- (a) Each Member must give information to the Operator as reasonably required to enable separate authorised user identities and direct contact details to be established for each of its representatives.
- (b) Each authorised user identity is defined by reference to a single user name and password.
- (c) Each Member is responsible for ensuring the security of each authorised user identity created for it such that the authorised user identity is only used by the relevant representative.

5.5. Exchange Fees

- (a) All Members must pay the Exchange Fees specified and published by the Operator on its website from time to time.
- (b) The Exchange Fees may include:
 - (i) an application fee;
 - (ii) a fee payable upon the acceptance of an application;
 - (iii) annual fees for participation in the gas supply hub;
 - (iv) a fee for each Transaction concluded on the Exchange; and
 - (v) ad hoc fees for services provided by the Operator to Members from time to time, including training, assistance or advice in relation to access to and use of the Trading System.
- (c) The Operator must notify Members of any change to the structure or amount of Exchange Fees.
- (d) Exchange Fees are amounts owed by each Member to the Operator and are payable:
 - (i) for Transaction-related fees, as part of Settlements; and
 - (ii) for other fees, by the times and in the manner specified by the Operator and published on its website.

6. PARTICIPATION

6.1. Access to Trading System

- (a) Subject to this Agreement, the Operator will give all Viewing Participants and Trading Participants access to the Trading System to the extent required for the purpose of viewing information about Product trading made available in accordance with clause 10.

Note: Clause 6.4 provides for access by Reallocation Participants and clause 6.5 provides for access by Broker Participants.

- (b) The right of a Member to access the Trading System, in accordance with the terms applicable to a participation category in which that Member is registered, starts when the Operator confirms to the Member that it is satisfied that the Member, or the Agent Member for each Appointing Member:
 - (i) has given all information required of it under clause 5.2 and 5.3 to the Operator and the Operator has created all necessary authorised user identities for the Member in the Trading System;
 - (ii) has a working, secure interface with the Trading System; and

- (iii) has paid the applicable Exchange Fees.
- (c) A Member's right of access to and use of the Trading System terminates on termination of the Membership Agreement.

6.2. Access to trade

- (a) Subject to this agreement, the Operator will give all Trading Participants access to the Trading System to the extent required for the purpose of participating in Exchange trading for all Products which that Trading Participant has been admitted to trade under clause 6.3.
- (b) The Operator must register a Member as a Trading Participant if that Member has applied to become a Trading Participant and the Operator is satisfied that the Member, or the Agent Member for each Appointing Member:
 - (i) has met the requirements in clause 6.1(b);
 - (ii) has an active Austraclear account and has given its account information to the Operator; and
 - (iii) is registered for GST purposes and has executed and delivered to the Operator a recipient created tax invoice agreement in the form specified by the Operator from time to time.

6.3. Admission to trade Products

- (a) A Trading Participant can only trade Products that the Trading Participant has been admitted to trade.
- (b) Subject to paragraph (d), admission to trade a Product is automatic if so specified in the Product Specification. For all other Products, each Trading Participant must apply to the Operator if it wishes to be admitted to trade the Product.
- (c) An application to be admitted to trade a Product must be in the form required by the Operator and must include the information specified for the Product in the Product Specification. The Operator must consider the application promptly and admit the Trading Participant to trade the Product if the conditions in the Product Specification are satisfied.
- (d) A Trading Participant who has nominated under clause 5.1(c) to trade only Physical Capacity will only be admitted to trade Physical Capacity.

6.4. Reallocation Participants

- (a) Subject to this agreement, the Operator will give all Reallocation Participants access to the Trading System to the extent required to participate in Reallocations. Note: Access to the Exchange is not required for the purposes of Reallocations.
- (b) A Reallocation Participant is not permitted to trade in Products or view information produced by the Operator about Product trading that is not made publicly available.
- (c) The Operator must register a Member as a Reallocation Participant if that Member has applied to become a Reallocation Participant and the Operator is satisfied that the Member, or the Agent Member for each Appointing Member:
 - (i) has met the requirements in clause 6.1(b);
 - (ii) has an active Austraclear account and has given its account information to the Operator;

- (iii) is registered for GST purposes and has executed and delivered to the Operator a recipient created tax invoice agreement in the form specified by the Operator from time to time; and
- (iv) is a wholesale client as defined in section 761G (4) of the Corporations Act.

6.5. Broker Participants

- (a) Subject to this agreement, the Operator will give all Broker Participants access to the Trading System to the extent required to submit and confirm Broker Pre-matched Trades.

Note: Clause 13.3 limits the extent to which Broker Participants may submit and confirm Broker Pre-matched Trades.

- (b) A Broker Participant is not permitted to trade in Products or view information produced by the Operator about Product trading that is not made publicly available.
- (c) The Operator must register a Member as a Broker Participant if that Member has applied to become a Broker Participant and the Operator is satisfied that the Member:
 - (i) has met the requirements in clause 6.1(b);
 - (ii) has an active Austraclear account and has given its account information to the Operator;
 - (iii) is registered for GST purposes and has executed and delivered to the Operator a recipient created tax invoice agreement in the form specified by the Operator from time to time;
 - (iv) holds an Australian financial services licence (as defined in the Corporations Act) that permits dealing in a financial product by applying for, acquiring, varying or disposing of a financial products on behalf of another person in respect of products that would enable the Member to submit and confirm Broker Pre-matched Trades;
 - (v) is not an Agent Member or Appointing Member;
 - (vi) is not registered as a Trading Participant, a Viewing Participant or a Reallocation Participant; and
 - (vii) is not registered in any capacity in any other markets, exchanges or auctions operated or conducted by AEMO.

6.6. Restricted Trading

- (a) Trading Participants may at any time apply to the Operator to restrict trading between themselves in the Trading System to ensure that Bids and Offers of the Trading Participants are not matched (restricted trading).
- (b) To be eligible for restricted trading between Trading Participants, all the Trading Participants must be **Related Trading Participants**.
- (c) If:
 - (i) a Trading Participant is a subsidiary of another Trading Participant; or
 - (ii) a Trading Participant is a subsidiary of a holding company of another Trading Participant,

the Trading Participants are **Related Trading Participants**.

- (d) A **holding company**, in relation to a Trading Participant, means a body corporate of which the Trading Participant is a subsidiary.

- (e) A Trading Participant is a **subsidiary** of a holding company or another Trading Participant (the second Trading Participant) if:
 - (i) the holding company or second Trading Participant:
 - (A) is in a position to cast, or control the casting of, more than one-half of the maximum number of votes that might be cast at a general meeting of the Trading Participant; or
 - (B) holds more than one-half of the issued share capital of the Trading Participant (excluding any part of that issued share capital that carries no right to participate beyond a specified amount in a distribution of either profits or capital); or
 - (ii) the Trading Participant is a subsidiary of a subsidiary of the holding company or the second Trading Participant (subclause (e)(i) above applying *mutatis mutandis* in determining if the Trading Participant is a subsidiary of a subsidiary or if the subsidiary is a subsidiary of the holding company or the second Trading Participant)
- (f) Trading Participants that wish to apply for restricted trading between themselves in the Trading System must submit an application to the Operator in the form and contain the information specified by the Operator.
- (g) The Operator may, within 5 Business Days of receiving an application, ask the applicants to provide further information or clarification in support of the application. If such a request is made, the application is taken to have been made when the further information or clarification is provided to the Operator's satisfaction. If the applicants do not provide further information or clarification to the Operator's satisfaction within 15 Business Days of the request, then the application lapses.
- (h) The Operator must accept or refuse an application for restricted trading within 15 Business Days of receipt of the application or, if later, receipt of any additional information or clarification requested under paragraph (g).
- (i) If the Operator is satisfied that an application is complete and the Trading Participants are eligible for restricted trading, then the Operator must accept the application and notify the Trading Participant and the Operator must engage the restricted trading functionality in the Trading System between the Trading Participants in the application from the date specified by the Operator in the notice to the Trading Participants.
- (j) If the Operator is not satisfied that Trading Participants are eligible for restricted trading, then the Operator must refuse the application.
- (k) If the Operator refuses an application for restricted trading, then it must give the applicants written reasons for the refusal.
- (l) Trading Participants that are subject to restricted trading between themselves in the Trading System must notify the Operator immediately if they are no longer Related Trading Participants.
- (m) The Operator will cease restricted trading in the Trading System between Trading Participants as soon as possible after being notified by Trading Participants under subclause 6.6(l) or if AEMO otherwise becomes aware that the Trading Participants are no longer Related Trading Participants.
- (n) Trading Participants that are subject to restricted trading between themselves in the Trading System represent and acknowledge that the Operator has not given to them any advice, representation, assurance or guarantee as to compliance with any laws including but not limited to the National Gas Rules and the Competition and Consumer Act 2010 (Cth) as a result of the Operator granting or facilitating restricted trading.

- (o) A Trading Participant that is subject to restricted trading with another Trading Participant may at any time submit a request to the Operator to remove restricted trading with the other Trading Participant. A request to remove restricted trading must be in the form and contain the information specified by the Operator.
- (p) The Operator must accept the request to remove restricted trading within 10 business days of receiving a request.
- (q) When the Operator accepts a request to remove restricted trading, then the Operator must cease the restricted trading in the Trading System between the Trading Participants identified in the request. The Operator must notify each of the Trading Participants once the restricted trading functionality has been removed.

7. INTERFACE WITH THE TRADING SYSTEM

7.1. Participant Interface

- (a) The Operator must establish a document setting out the Operator's procedures and minimum requirements, to be known as the Interface Protocol, for:
 - (i) establishing and maintaining an interface between the systems of the Member and the Trading System for the purposes of participation in the Exchange;
 - (ii) establishing authorised user identities within the Trading System; and
 - (iii) providing processes and guides for the use of the Trading System and communications.
- (b) The Operator may amend the Interface Protocol after consulting with Members, and must publish the current Interface Protocol on its website.
- (c) Each Member must comply with the Interface Protocol and must enter into any access and licensing agreement reasonably required by the Operator under the Interface Protocol, governing the terms of access to and use of the Trading System.
- (d) Each Member is responsible for ensuring that anyone accessing the Trading System using that Member's interface to the Trading System:
 - (i) is authorised by the Member to do so; and
 - (ii) is aware of and complies with the Interface Protocol, the terms of any access and licensing agreement entered into under the Interface Protocol and the provisions of this agreement that relate to Trading System access and use.
- (e) Each Member is responsible for ensuring that the systems and equipment used by it interface correctly with the Trading System. The Operator has no liability whatsoever to any Member in connection with any failure of any system or equipment used by a Member to interface correctly with the Trading System.

7.2. Security

- (a) Each party to this agreement acknowledges that the security of the Trading System and interfaces cannot be guaranteed. Neither the Operator nor any Member has any liability to any other in respect of any breach of security of the Trading System to the extent that the party has complied with its obligations under this clause.
- (b) The Operator must use commercially reasonable efforts to implement and maintain security systems and procedures designed to prevent unauthorised access to the Trading System in accordance with Good Gas Industry Practice.

- (c) Each Member must use commercially reasonable efforts to:
 - (i) maintain the security of its interface with the Trading System;
 - (ii) ensure that its software and hardware that interfaces with the Trading System is free from any computer viruses; and
 - (iii) ensure that no computer viruses or malicious software is introduced onto the others' software and hardware as a consequence of the Member's use of the Trading System.

7.3. Communication failures

- (a) Each Member acknowledges that interruption or malfunction of communications including any third party telephone network fixed line service or malfunction of the Member's systems or equipment or the Trading System may result in the Member's Orders not being received or the Member not receiving information or access to the Trading System.
- (b) Each Member is responsible for taking reasonable and prudent steps to mitigate the risk of communication failures in relation to its own participation in the Exchange in accordance with its own business requirements.
- (c) If there is a communication failure, the Operator has no obligation to take account of or act on any Order or other communication from any Market Participant provided by any other means.

7.4. Trading System maintenance

- (a) The Operator may suspend the operation of the Trading System to undertake maintenance and upgrading at any time. The Operator must use its reasonable endeavours to conduct maintenance and upgrading of the Trading System at times when in its reasonable opinion the impact on the Exchange will be minimised.
- (b) The Operator must give Members as much notice as reasonably practicable of any period during which the Trading System will be unavailable as a result of any maintenance or upgrade.

8. MARKET CONDUCT

If the Operator has reasonable grounds to believe that any act or omission of a Member on or in relation to the Exchange breaches the Market Conduct Rules, then the Operator may do any one or more of the following:

- (c) raise the matter with the Member concerned and, if it is satisfied with the Member's response, take no further action, or take no further action subject to the Member complying with conditions agreed between the Operator and the Member;
- (d) refer the conduct to the AER.

9. PRUDENTIAL REQUIREMENTS

9.1. Confidentiality

- (a) Information about the Credit Support, Prudential Exposure, Trading Limit and Trading Margin of a Market Participant is Confidential Information.

9.2. Credit Support – Market Participants

9.2.1. Market Participant obligations

- (a) A Market Participant that is not a Broker Participant and is not eligible to be a Credit Support Provider must provide and at all times maintain Credit Support for the amount and forward period required to ensure that its Trading Margin does not fall below zero.
- (b) A Market Participant must not submit an Order or Reallocation Request that, if accepted or registered, would result in its Trading Margin being less than zero.
- (c) Any Credit Support provided under this agreement must:
 - (i) be an unconditional bank guarantee in a form specified by the Operator;
 - (ii) be duly executed and delivered unconditionally to the Operator by an entity satisfying the requirements in clause 9.2.2 and 9.2.3 for Credit Support Providers; and
 - (iii) constitute valid and binding unsubordinated obligations of the Credit Support Provider to pay the Operator amounts, in accordance with its terms, relating to the obligations of the relevant Market Participant under this agreement.

9.2.2. Credit Support Provider

A Credit Support Provider must:

- (a) be either:
 - (i) an entity under the prudential supervision of the Australian Prudential Regulation Authority; or
 - (ii) a central borrowing authority of an Australian State or Territory or the Commonwealth which has been established by an Act of Parliament of that jurisdiction;
- (b) be resident in, or have a permanent establishment in, Australia;
- (c) not be an externally-administered body corporate (as defined in the Corporations Act) or under a similar form of administration under any laws applicable to it in any jurisdiction;
- (d) not be immune from liabilities incurred under this agreement or any Credit Support; and
- (e) be capable of being sued in its own name in a court of competent jurisdiction.

9.2.3. Minimum credit rating

A Credit Support Provider must have a credit rating of:

- (a) A-1 or higher for short term unsecured counterparty obligations of the entity, as rated by Standard & Poors (Australia) Pty Ltd;
- (b) P-1 or higher for short term unsecured counterparty obligations of the entity, as rated by Moody's Investor Services Pty Ltd; or
- (c) some other acceptable credit rating determined by the Operator after consulting with Market Participants.

9.2.4. Replacement and return of Credit Support

- (a) Within 24 hours of becoming aware that its existing Credit Support ceases to meet all the requirements of clause 9.2.1, a Market Participant must deliver to the Operator a replacement or additional Credit Support sufficient to ensure that the relevant participant complies with its obligations under that clause.

- (b) A Market Participant may deliver a replacement Credit Support to the Operator at any other time.
- (c) The Operator must return any unexpired and undrawn Credit Support to the Credit Support Provider on request, provided that the Operator will continue to hold Credit Support in respect of the relevant participant that meets the requirements of this clause 9.2 and takes effect on or before the return date.
- (d) The Operator must return any unexpired and undrawn Credit Support to the relevant Credit Support Provider immediately after the termination of a Market Participant's Membership Agreement takes effect under clause 4.3(e).

9.2.5. Drawdown of Credit Support

- (a) The Operator may, at any time after the occurrence of a Default Event in respect of a Market Participant and while that Default Event is subsisting, exercise its rights to draw down any amount under a Credit Support relating to that participant and apply it against any amount actually or contingently owing to the Operator under this agreement.
- (b) The Operator must inform the relevant Market Participant if the Operator exercises its rights to draw down any amount under a Credit Support.

9.3. Security deposit amounts

- (a) Subject to this clause, a Market Participant may at any time pay a cash amount to the Operator as a security deposit to secure payment of any amount which may become payable in respect of a Billing Period.
- (b) The Operator must record security deposit amounts paid by a Market Participant, together with any interest earned on those amounts, as a credit balance in respect of that participant in the Operator's security deposit fund.
- (c) [Deleted]
- (d) The Operator may apply the credit balance for a Market Participant in the security deposit fund by setting off all or part of that amount against any amount owing by that participant to the Operator under a Final Statement, subject to paragraph (e).
- (e) A Market Participant may, in accordance with any guidance published by the Operator on its website, request the Operator's agreement to arrangements for the application of that participant's credit balance in respect of that Final Statement. If the Operator agrees, it must apply (or maintain) the credit balance in accordance with those arrangements unless a Default Event occurs in relation to the participant.
- (f) The Operator may deduct any liabilities or expenses of the security deposit fund from the balance of a Market Participant in that fund, to the extent those liabilities or expenses are attributable to the maintenance or application of that balance.
- (g) If there is a credit balance in the security deposit fund for a former Market Participant immediately after the termination of its Membership Agreement takes effect under clause 4.3(e), the Operator must pay to that former participant an amount equal to that balance.

9.4. Calculation of prudential amounts for Market Participants

9.4.1. Calculation

- (a) A Market Participant that is eligible to be a Credit Support Provider will not have a Trading Limit or a Trading Margin.

- (b) The Operator must calculate the Trading Limit, Prudential Exposure and Trading Margin for each Market Participant at least once each Business Day and make the calculations available to the relevant Market Participant.
- (c) The Trading Limit of a Market Participant at any time is an amount equal to the amount of that participant's current valid and undrawn Credit Support, provided that any Credit Support having an expiry date of less than 10 Business Days from the date of calculation must be disregarded.
- (d) The Prudential Exposure of a Market Participant at any time is the amount calculated by the Operator, in accordance with the Settlements and Prudential Methodology, reflecting a reasonable estimate of the maximum net aggregate amount actually or contingently owing to the Operator under this agreement or under the National Gas Rules in relation to the Exchange at that time (taking Reallocations into account), less any credit balance of that participant in the security deposit fund under clause 9.3.
- (e) The Settlements and Prudential Methodology may provide for the Operator to apply different margins to its calculation of Prudential Exposure, reflecting a higher risk where a Suspension Event has occurred or a Trading Halt has applied in respect of a Market Participant within the preceding 3 months.
- (f) The Trading Margin of a Market Participant at any time is an amount equal to its Trading Limit less its Prudential Exposure.

9.4.2. Trading Margin requirements

- (a) If at any time the Trading Margin of a Market Participant is less than zero, that Participant:
 - (i) must not submit any further Orders; and
 - (ii) may modify or cancel existing Orders (subject to clause 12.5), make Reallocation Requests, provide Credit Support or pay a security deposit amount to increase its Trading Margin.
- (b) If the Trading Margin remains below zero for 2 consecutive Business Days, the Operator must:
 - (i) cancel any Pre-matched Trades and Broker Pre-matched Trades which have not been scheduled for Delivery Netting; and
 - (ii) if the Trading Margin is still below zero, issue a Margin Call by notice to the relevant participant in accordance with paragraph (c).

Note: The issue of a Margin Call is a Suspension Event.

- (c) A Market Participant who has received a Margin Call must, by the applicable time under paragraph (d):
 - (i) deliver additional Credit Support to the Operator; and/or
 - (ii) pay a security deposit amount in cleared funds to the Operator under clause 9.3,
 - (iii) so that the Prudential Exposure of that participant immediately after taking that action is not more than 80% of its Trading Limit. Note: Failure to comply with a Margin Call is a Default Event.
- (d) A Market Participant must comply with paragraph (c) by 12:00 noon 2 Business Days after the Margin Call was issued.
- (e) If a Margin Call was not issued on a Business Day, or was issued after 2:00 pm on a Business Day, it is taken to have been issued at 9:00 am on the next Business Day.

9.5. Participant responsibility

Each Market Participant is responsible for ensuring that its Trading Margin does not reduce below zero.

10. EXCHANGE INFORMATION AND CAPACITY LISTINGS

10.1. Information available to Trading and Viewing Participants

The Operator will make the following information available for viewing in the Trading System by Trading Participants and Viewing Participants (except that the Operator may exclude Pre-matched Trades and Broker Pre-matched Trades from statistical pricing and quantity information):

- (a) for all open Orders by Product, the Price, Order Quantity and Delivery Period;
- (b) for all Transactions by Product, the Price, Order Quantity and Delivery Period;
- (c) information in aggregated form of Transactions concluded for each Product, by Delivery Period;
- (d) any notices required to be made available to all Members under this agreement;
- (e) listings of available or required Capacity or imbalances submitted by Members under clause 10.5 or 10.6; and
- (f) any other information determined by the Operator from time to time,

but must not identify the Trading Participants associated with an Order or Transaction or include any other restricted information under clause 10.2.

10.2. Information for Market Participants

The Operator will make the following information available for viewing in the Trading System, unless otherwise stated only to the Market Participant or Market Participants to whom the information relates:

- (a) the contact details for the trading representatives and delivery representatives of all other Market Participants;
- (b) the prudential information referred to in clause 9.4.1(a);
- (c) the Orders submitted by the Trading Participant within a period specified in the Interface Protocol and the status of those Orders;
- (d) the Transactions formed by the Trading Participant within a period specified in the Interface Protocol, including the identity of the parties to those Transactions;¹ and
- (e) any other information determined by the Operator from time to time.

10.3. Open access information

- (a) The Operator will determine from time to time the information to be published on its website about the Exchange, and the terms and conditions of access to that information.
- (b) The information referred to in this clause may include high and low prices, opening and closing prices and volume weighted average prices in each case aggregated for a period of a day, week or month, but must not include Confidential Information.
- (c) Without limiting clause 10.3(b), the information referred to in this clause may include a benchmark price or prices in respect of any Product.

- (d) If the Operator publishes a benchmark price, it must determine that price in accordance with a methodology established and amended by the Operator after consultation with Market Participants, and the Operator must publish that methodology on its website.

10.4. Records

- (a) The Trading System will create a record of Orders, Transactions, Delivery and Settlement.
- (b) The Operator must maintain the records created by the Trading System for a period of seven years after the record was created.
- (c) A Market Participant or former Market Participant may (at its cost) request copies of records created by the Trading System that record the relevant activity of that person. The Operator will use reasonable endeavours to provide the information requested if the information is available, subject to:
 - (i) payment of the Operator's reasonable cost of retrieving and providing copies of the information; and
 - (ii) agreement on any other terms reasonably requested by the Operator, including as to confidentiality of the information.

10.5. Capacity listing service

10.5.1. Capacity listing requests

- (a) A Trading Participant or Viewing Participant may submit a capacity listing request to the Operator at any time, indicating that the Trading Participant wishes to sell or buy spare capacity on a gas transportation pipeline or other facility listed in schedule 2 or schedule 3.
- (b) A capacity listing request must include the information, and be submitted in the form, required by the Operator from time to time and will be subject to reasonable validation parameters.

10.5.2. Listing by Operator

- (a) As soon as reasonably practicable after receipt of a valid capacity listing request, the Operator must post a corresponding capacity listing on the Trading System (available for viewing by Trading Participants and Viewing Participants) containing the following details in accordance with the request (as applicable):
 - (i) the gas transportation pipeline or other facility;
 - (ii) the receipt and delivery points on the pipeline between which the capacity is available or required;
 - (iii) the dates between which the capacity is available or required;
 - (iv) whether the listing is for a sale or purchase;
 - (v) the contact details of the listing party; and
 - (vi) any other details reasonably determined by the Operator, other than Confidential Information.
- (b) The Operator must remove or close a capacity listing on any expiry date specified in the capacity listing request.
- (c) To avoid doubt, neither a capacity listing request nor a listing of capacity on the Trading System is an offer capable of acceptance by another person.

10.5.3. Information published by Operator

The Operator may publish on its website a summary of facilities for which spare capacity has been listed on the Trading System.

10.6. Imbalance listing service

10.6.1. Imbalance listing requests

- (a) A Trading Participant or Viewing Participant may submit an imbalance listing request to the Operator at any time, indicating that the Trading Participant wishes to sell or buy an imbalance on a Transportation Facility.
- (b) An imbalance listing request must include the information, and be submitted in the form, required by the Operator from time to time and will be subject to reasonable validation parameters.

10.6.2. Listing by Operator

- (a) As soon as reasonably practical after receipt of a valid imbalance listing request, the Operator must post a corresponding imbalance listing on the Trading System (available for viewing by Trading Participants and Viewing Participants) containing the following details in accordance with the request (as applicable):
 - (i) the Transportation Facility;
 - (ii) whether the listing is for a sale or purchase;
 - (iii) the contact details of the listing party; and
 - (iv) any other details reasonably determined by the Operator, other than Confidential Information.
- (b) The Operator must remove or close an imbalance listing on any expiry date specified in the imbalance listing request.
- (c) To avoid doubt, neither an imbalance listing request nor a listing of an imbalance on the Trading System is an offer capable of acceptance by another person.

10.6.3. Information published by Operator

The Operator may publish on its website a summary of facilities for which an imbalance has been listed on the Trading System.

11. TRADING HOURS

11.1. Trading timetable

- (a) The Operator will determine and make available to all Members a trading timetable specifying:
 - (i) the Trading Hours for the Exchange; and
 - (ii) for each Product, the Trading Window in respect of each specified Delivery Period, consistent with the Product Specification.
- (b) The Operator may only amend the trading timetable after consultation with Market Participants.

11.2. Suspension of the Trading System

- (a) The Operator may at any time suspend access to and use of the Trading System (for all Members) at any time, either as a whole or for particular Products or functionality, if:
 - (i) the Operator reasonably considers that it should do so to protect or restore the security of the Trading System or data contained in it, or to undertake Trading System maintenance or upgrades;
 - (ii) the Trading System has been unavailable for a period of 15 minutes or longer;
 - (iii) any Trading Participant is unable to access the Trading System and the Operator reasonably considers that suspension is necessary in order to ensure orderly trading on the Exchange (for example, the lack of access has affected a significant number of Trading Participants or a significant volume of open Orders).
- (b) If the Operator suspends the operation of the Trading System during Trading Hours then it will notify all Members of the suspension and give as much notice as possible of the time that it expects to lift the suspension.

11.3. Effect of suspension on open Orders

- (a) The terms 'open' and 'withdrawn' in relation to Orders are defined in clause 12.1.
- (b) If the Operator suspends operation of the Trading System under clause 11.2(a), then any open Orders in the Trading System at the time of the suspension will be automatically withdrawn.
- (c) When the suspension is lifted, Trading Participants will be able to submit new Orders, re-activate withdrawn Orders or modify or cancel open Orders during the Pre-opening Period, but the Trading System will not match any Orders until the pre-opening matching run referred to in clause 12.7(b).

12. TRADING

12.1. Definitions

- (a) When used in relation to Orders, the terms in the following table have the meaning given to them in the table.
- (b) When used in relation to Transactions, the terms have the same meanings, but are to be construed subject to clause 13.

Term	Definition
accepted	See clause 13.1.3.
Base Product	For a Spread Product, the Physical Gas Product designated as such in the applicable Product Specification.
Bid	For a Spread Product, represents an offer to enter into a Transaction for the Premium Product as a Buyer and an offer to enter into a Transaction for the Base Product as a Seller.
cancelled	Describes an Order that has been permanently removed from the Trading System, in accordance with this agreement.
Commodity	The underlying physical commodity, capacity or service to which a Product relates, as specified in the Product Specification.
correspond, corresponding	In relation to an Implied Order – see clause 13.7.6(a)(ii).

Term	Definition
Custom Delivery Period	See clause 13.8
Default Base Product Delivery Point	For a Base Product, the delivery point designated as such in the applicable Product Specification.
Default Premium Product Delivery Point	For a Premium Product, the delivery point designated as such in the applicable Product Specification.
Default Reference Price	For each Resulting Transaction formed in connection with a Spread Product, means the default reference price determined in the manner specified in the applicable Product Specification.
Delivery Period	For Physical Gas, the period over which the delivery of the Commodity is to take place, as specified in the Order or, for a Pre-matched Trade or Broker Pre-matched Trade, as specified in the details submitted and confirmed for the Pre-matched Trade or Broker Pre-matched Trade and includes a Custom Delivery Period. For Physical Capacity, the Service Term.
Delivery Point	The point at which delivery of the Commodity is to take place, as specified in the Product Specification, or, where provided for in the Product Specification, in each Order or, in relation to a Pre-matched Trade or Broker Pre-matched Trade, as agreed between the Trading Participants to the Pre-matched Trade or the Trading Participant and Broker Participant to the Broker Pre-matched Trade. In the case of a Location Swap, each of the Swap Receipt Point and the Swap Delivery Point is a Delivery Point for the purposes of this agreement.
Implied Order	Information displayed on the Exchange in relation to a group of Related Products and calculated in accordance with clause 13.7.2.
Last Trading Date	A date specified for a Product in its Product Specification, used to fix the last day on which a Product will be available for trading on the Exchange.
matched	See clause 13.1.2.
Offer	For a Spread Product, represents an offer to enter into a Transaction for the Premium Product as a Seller and an offer to enter into a Transaction for the Base Product as a Buyer.
open	See clause 12.6.
Order Quantity	The number of Units of Commodity to be delivered during each Gas Day in the Delivery Period, as specified in the Order.
originating	In relation to an Order – see clause 13.7.6(a)(i).
Parcel Size	The minimum permitted increment in the size of an Order, expressed in Units of the Commodity, as specified in the Product Specification.
Premium Product	For a Spread Product, the Physical Gas Product designated as such in the applicable Product Specification.
Price	Price per Unit of Commodity (exclusive of GST), as specified in the Order.
Product Limit	A highest or lowest Price or Order Quantity that may be included in an Order for a Product, if specified in the Product Specification.
Related Products	In relation to a Spread Product, each of: (c) the Spread Product; and (d) the Base Product and the Premium Product for the Spread Product.
Resulting Transaction	For a Spread Product, each Transaction formed in accordance with clause 13.5.2 when Orders for the Spread Product are matched and accepted.

Term	Definition
Service Term	For Physical Capacity, the period during which the Capacity may be used, as specified in the Order.
Spread Product	A Product designated as such in the Product Specification and which satisfies the following criteria: (e) the Product Specification designates a Physical Gas Product as the Premium Product and a second Physical Gas Product as the Base Product; and (f) the length of the Delivery Period is the same for both the Base Product and the Premium Product.
Spread Product Price	For a Spread Product, represents the difference in Price between the Base Product and the Premium Product. The Spread Product Price is expressed as a price per Unit of Commodity (exclusive of GST) and specified in the Order.
Swap Delivery Point	The point at which the Seller of a Location Swap must deliver gas to the Buyer of the Location Swap.
Swap Receipt Point	The point at which the Buyer of a Location Swap must deliver gas to the Seller of the Location Swap.
Unit	The unit of measurement (such as gigajoules) in which quantities of the relevant Commodity are traded through the Exchange, and is specified in the Product Specification.
withdrawn	Describes an Order that is removed from display on the Exchange (other than to the Trading Participant who submitted the Order), but remains in the Trading System and is capable of acceptance if reactivated by that Trading Participant. A withdrawn Order may be cancelled in accordance with this agreement while it is withdrawn.

12.2. Order characteristics

- (a) Where Trading System functionality and the Product Specification for a Product allow, a Trading Participant will be able to specify characteristics of Orders.
- (b) Characteristics of Orders comprise the following:
 - (i) where the Order permits partial acceptance, the minimum Transaction Quantity for Transactions formed as a result of partial acceptance, which, unless otherwise specified in the Product Specification, is taken to be one Parcel Size;
 - (ii) the expiry time for the Order, being the time at which the Order is to be withdrawn or cancelled automatically, expressed either in terms of a number of Gas Days, or the time during a Gas Day when the Order expires;
 - (iii) whether the total Order Quantity is to be displayed at the same time, or whether part of the Order Quantity is to be withheld from display until the part which is displayed has been accepted; and the increments in which the Order Quantity should be displayed (each at least equal to the Parcel Size for the Product).
- (c) An Order that does not permit partial acceptance may be accepted only in its entirety.
- (d) An Order is open when it has been submitted and has neither been cancelled nor accepted in full.
- (e) Unless otherwise specified in the relevant Product Specification, an open Order will be withdrawn automatically at the end of each trading day after 7:00 pm.

- (f) An Order will expire (and will be withdrawn or cancelled automatically) at the close of the Trading Window for the Product to which the Order relates or at any earlier expiry time specified in the Order.

12.3. Trading System communications

- (a) Communications between Trading Participants and the Operator relating to trading are to be made in accordance with clause 26.1.
- (b) A Trading Participant is taken to have submitted an Order on receipt by the Operator of data transmitted electronically by means of the Trading System which indicates that the Trading Participant is willing to enter into a Transaction on the terms specified in the Order.
- (c) A Trading Participant is taken to have cancelled or modified an Order (as the case may be) on receipt by the Operator of data transmitted electronically by means of the Trading System requesting that the Order be cancelled or modified.
- (d) The Operator and all Trading Participants are entitled to rely on all Orders submitted by a Participant through the Trading System. The receipt by the Operator of an Order from a Participant through the Trading System will be sufficient to verify that the Participant originated the Order.

12.4. Submission

- (a) A Trading Participant may submit new Orders, re-activate withdrawn Orders, or modify or cancel open Orders in respect of a Product in the Pre-opening Period immediately before the applicable Trading Window and during Pre-opening Periods and Trading Hours within the Trading Window.
- (b) For display and matching purposes, a modified or re-activated Order is taken to have been submitted at the time of the modification or re-activation.
- (c) A Trading Participant must only submit Orders for Products that it has been admitted to trade.
- (d) A Trading Participant must include the following information in Orders:
 - (i) the Product to which the Order relates;
 - (ii) whether the Order is a Bid or an Offer;
 - (iii) the Price per Unit applicable to the Order or, in the case of a Spread Product, the Spread Product Price per Unit applicable to the Order;
 - (iv) the Order Quantity, expressed as a whole number multiple of the Parcel Size applicable to the Product;
 - (v) for an Offer (except an Offer for a Spread Product), where required for the Product the Delivery Point;
 - (vi) for a Bid (except a Bid for a Spread Product), where required for a Product and if required by the Product Specification for that Product, the Delivery Point;
 - (vii) any characteristics of the Order, to the extent that the Trading System allows characteristics to be specified for the Product;
 - (viii) in the case of an Order relating to Physical Capacity, the Nominated Transportation Agreement and the STTM Reference or DWGM Reference and the Nominated DWGM Participant, if applicable to the Product; and
 - (ix) any other information required by the Product Specification or the Interface Protocol.

- (e) The Trading System may include the functionality to:
 - (i) allow a Trading Participant to select an open Bid or Offer it wishes to accept or an Implied Order for which it wishes to submit a corresponding Order; or
 - (ii) automatically select existing Orders that match the requirements for a quantity of gas that a Trading Participant has entered into the Trading System, and for the purposes of this agreement, a valid Order is taken to have been submitted, matched and accepted when the Trading Participant confirms the matched transaction details generated by the Trading System.
- (f) Trading Participants will be notified by means of the Trading System as soon as reasonably practicable if an Order, or a cancellation or modification of an Order, could not be submitted to the Trading System.

12.5. Validation

- (a) The Operator must validate each Order (including any modification or cancellation) by means of the Trading System. The validation process will check whether there is any reason to reject the Order (as provided for in this agreement).
- (b) The Operator must reject an Order (including a modified Order) in any of the following circumstances:
 - (i) where the Order does not contain all required information;
 - (ii) where the Order is a positively priced Bid or negatively priced Offer which, if accepted, would result in a Trading Participant's Trading Margin (as last calculated by the Operator) falling below zero;
 - (iii) where the Trading Participant's Trading Margin (as last calculated by the Operator) is below zero at the time of submitting the Order;
 - (iv) where a Price or Order Quantity specified in the Order breaches any applicable Product Limit;
 - (v) where the Order breaches (or if accepted would breach) a limit set in the Trading System by the Trading Participant;
 - (vi) where the Trading Participant is subject to a Trading Halt;
 - (vii) where the Order is placed after the Last Trading Date for the Product; and
 - (viii) in the case of an Order relating to Physical Capacity, the Nominated Transportation Agreement or the STTM Reference is not valid, including where the Transportation Facility Operator has not given information under the CTA Procedures to indicate that there is an agreement in place extending to use of the Physical Capacity the subject of the Order.
- (c) The Operator must reject any Order, cancellation or modification that is made after the end of the Trading Window for the relevant Product.
- (d) The Operator may reject any Order, cancellation or modification as a consequence of the operation of security arrangements employed by the Operator for the protection of the Trading System including any virus detection software employed by the Operator.
- (e) Trading Participants will be notified by means of the Trading System as soon as reasonably practicable where an Order, cancellation or modification has been rejected. The rejection takes place at the time the notice is sent.

12.6. Display

- (a) An Order is open and will be displayed in the Trading System when:
 - (i) the Order has been validated and not rejected;
 - (ii) the Order is made available for viewing by Trading Participants in the Trading System; and
 - (iii) none of the circumstances in paragraph (b) applies to the Order.
- (b) The Operator will cease to display an Order when:
 - (i) the Order has been validly accepted; or
 - (ii) the Order has been cancelled or withdrawn,
 - (iii) whichever occurs first.
- (c) The Operator is only required to change the information displayed in the Trading System during Trading Hours.

12.7. Pre-opening and continuous trading

- (a) A Transaction in respect of a Product can only be formed during:
 - (i) a pre-opening matching run; or
 - (ii) a Trading Window for the Product.
- (b) A pre-opening matching run for a Product will take place:
 - (i) at the end of the Pre-opening Period immediately before the Trading Window opens; and
 - (ii) at the end of each Pre-opening Period during the Trading Window.
- (c) In a pre-opening matching run, the Trading System will assess whether the Bids and Offers displayed at the end of the pre-opening period match and Transactions may be formed at that time.
- (d) During Trading Hours within the Trading Window (subject to any market suspension), the Trading System will assess whether Bids and Offers match (and Transactions may be formed) on a continuous basis.

13. FORMING TRANSACTIONS

13.1. Matching and acceptance of Orders

13.1.1. Overview

- (a) A Transaction is formed where a Bid and an Offer match and are accepted in accordance with the rules in this clause 13.
- (b) Where a Transaction is formed, the terms of the Transaction (as to Transaction Price, Transaction Quantity, Delivery Point and Delivery Period) are determined by reference to the rules in this clause 13, and otherwise the obligations of each Trading Participant with respect to any Transaction are determined by reference to the terms of Product as at the date the Transaction was formed and this agreement.
- (c) A Transaction does not constitute a separate agreement to this Exchange Agreement, but gives rise to rights and obligations under, or as provided for in, this agreement.

- (d) A Trading Participant is a party to a Transaction where one of the Orders that formed the Transaction was submitted by that Trading Participant. For the avoidance of doubt, the rights of a Trading Participant with respect to the Operator or the other party to a Transaction in respect of a Transaction are governed by the terms of this agreement.
- (e) Amounts payable in respect of Transactions formed under this clause 13 between a Buyer and a Seller are owed to and by the Operator. Those amounts are calculated under clause 17 and payable under clause 18.
- (f) Transactions in a Product formed on or before the Last Trading Date for the Product continue in full force and effect after that date and must be delivered and settled in accordance with this agreement.

13.1.2. When Orders match

A Bid and an Offer constituting open Orders are taken to match when:

- (a) the Bid and Offer are for the same Product and for the same Delivery Period;
- (b) the Trading Participant who submitted the Bid is not the same person as the Trading Participant who submitted the Offer;
- (c) where partial acceptance of the Bid is permitted, the Order Quantity of the Offer is equal to or less than the Order Quantity of the Bid and greater than or equal to the Minimum Transaction Quantity for that Bid;
- (d) where partial acceptance of the Offer is permitted, the Order Quantity of the Bid is equal to or less than the Order Quantity of the Offer and greater than or equal to the Minimum Transaction Quantity for that Offer;
- (e) where partial acceptance is not permitted for either Order, the Order Quantity for both Orders is the same;
- (f) the Price of the Bid is equal to or greater than the Price of the Offer (except in the case of a Spread Product);
- (g) in the case of a Spread Product, the Spread Product Price of the Bid is equal to or greater than the Spread Product Price of the Offer; and
- (h) both the Bid and Offer are submitted by Trading Participants that are not subject to restricted trading between themselves in accordance with clause 6.6 at the time of submitting the Bid and Offer.

13.1.3. Acceptance rules

- (a) Where only one open Bid and one open Offer match, then:
 - (i) the Bid and Offer are taken to have been accepted; and
 - (ii) a Transaction is formed in which:
 - (A) the Trading Participant that submitted the Offer is the Seller and the Trading Participant that submitted the Bid is the Buyer; and
 - (B) the terms of the Transaction, subject to the partial acceptance rules in clause 13.1.4, are the terms of the earliest Order displayed in the form in which it was accepted (and whether one Order is earlier than another is determined by reference to the Time Stamp for each Order).
- (b) Where an open Bid matches one or more open Offers, then:

- (i) one or more Offers is taken to have been accepted as a consequence of the Bid, being the open Offer with the lowest price or, where the lowest price is common to two or more Offers, the Offer with the lowest price which was submitted first in time (as indicated by the most recent Time Stamp for each Offer); and
- (ii) when the Offer is accepted, a Transaction is formed in which:
 - (A) the Trading Participant that submitted the Offer is the Seller and the Trading Participant that submitted the Bid is the Buyer; and
 - (B) the terms of the Transaction, subject to the partial acceptance rules in clause 13.1.4, are the terms of the Offer.
- (c) Where an open Offer matches one or more open Bids, then:
 - (i) one or more Bids is taken to have been "accepted" as a consequence of the Offer, being the open Bid with the highest price or, where the highest price is common to two or more Bids, the Bid with the highest price which was submitted first in time (as indicated by the most recent Time Stamp for each Bid); and
 - (ii) when the Offer is accepted, a Transaction is formed in which:
 - (A) the Trading Participant that submitted the Offer is the Seller and the Trading Participant that submitted the Bid is the Buyer; and
 - (B) the terms of the Transaction, subject to the partial acceptance rules in clause 13.1.4, are the terms of the Bid.

13.1.4. Partial acceptance rules

- (a) Where a Transaction is formed as a result of the partial acceptance of a Bid, then:
 - (i) the Transaction Quantity of the Transaction is equal to the Order Quantity in the Offer; and
 - (ii) the Bid remains open with a reduced Order Quantity equal to the difference between the original Order Quantity in the Bid and the Transaction Quantity.
- (b) Where a Transaction is formed as a result of the partial acceptance of an Offer, then:
 - (i) the Transaction Quantity of the Transaction is equal to the Order Quantity in the Bid; and
 - (ii) the Offer remains open with a reduced Order Quantity equal to the difference between the original Order Quantity in the Offer and the Transaction Quantity.
- (c) Where Transactions are formed as a result of the operation of the Implied Order process in clause 13.6:
 - (i) the Transaction Quantity of each such Transaction is equal to the Order Quantity specified in the Implied Order; and
 - (ii) the originating Orders remain open with a reduced Order Quantity equal to the difference between the original Order Quantity in the originating Order and the Transaction Quantity.

13.2. Pre-matched Trades

- (a) If permitted in the Product Specification for a particular Product;
 - (i) a Trading Participant may submit details of a Pre-matched Trade and a second Trading Participant may confirm those details in the Trading System, if the Trading Participants

have agreed between them the terms on which they will enter into a Transaction in respect of that Product and (if applicable) it is on or before the Last Trading Date for the Product; and

- (ii) at the time of submitting and confirming the details of the Pre-matched Trade, the Trading Participants may specify that Delivery Netting is not to apply to the Pre-matched Trade; and
 - (iii) if the Trading Participants have specified that Delivery Netting is not to apply to the Pre-matched Trade or the Product Specification for the Product for the Pre-matched Trade otherwise permits, then except in the case of a Pre-matched Trade for a Location Swap, the Trading Participants may also specify that the delivery point for the Pre-matched Trade is a delivery point agreed between the Trading Participants that is not specified in a Product Specification (alternate delivery point).
- (a2) Where Trading System functionality allows, and except in the case of a Pre-matched Trade for a Location Swap, a Trading Participant may specify the name and details of the alternate delivery point when submitting the details of a Pre-matched Trade and confirmation of that Pre-matched Trade by a second Trading Participant constitutes agreement between the Trading Participants to that Delivery Point for that Pre-matched Trade.
- (a3) Delivery Netting will not apply to a Pre-matched Trade if the Trading Participants specify that Delivery Netting is not to apply to the pre-matched Trade in accordance with clause 13.2(a)(ii).
- (a4) If the Trading Participants have specified that Delivery Netting is not to apply to the Pre-matched Trade and the Trading Participants each specify a different delivery point for the Pre-matched Trade, the delivery point specified by the Seller of the Pre-matched Trade will be the delivery point for the Pre-matched Trade.
- (b) Submissions and confirmations of Pre-matched Trades must meet the requirements applicable to Orders for the relevant Product, except that:
- (i) details of a Pre-matched Trade that are not confirmed by the second Trading Participant within one hour of submission will automatically expire; and
 - (ii) except for a Pre-matched Trade where the Trading Participants have specified that Delivery Netting is not to apply, details of a Pre-matched Trade will be rejected if not submitted before 6:00 pm on any day.
- (c) Clauses 12.4 and 12.5 apply to the submission and confirmation of Pre-matched Trades. The Operator will inform the Buyer and Seller in the event the submission and confirmation of a Pre-matched is rejected.
- (d) A Pre-matched Trade is formed between the Buyer and the Seller under that trade when the second Trading Participant confirms the details of the trade in the Trading System.

13.3. Broker Pre-matched Trades

- (a) Subject to clause 13.3(b) and 13.3(c), if permitted in the Product Specification for a particular Product;
 - (i) a Trading Participant may submit details of a Broker Pre-matched Trade and a Broker Participant may confirm those details in the Trading System; or
 - (ii) a Broker Participant may submit details of a Broker Pre-matched Trade and a Trading Participant may confirm those details in the Trading System,

if the Trading Participant and the Broker Participant have agreed between them the terms on which they will enter into a Transaction in respect of that Product and (if applicable) it is on or before the Last Trading Date for the Product.

- (b) Subject to clause 14.7.3, Delivery Netting will apply to all Broker Pre-matched Trades and the Trading Participant and the Broker Participant must not specify that Delivery Netting is not to apply to the Broker Pre-matched Trades.
- (c) A Broker Participant must only submit or confirm a Broker Pre-matched Trade with a Trading Participant if the Broker Participant also submits or confirms a matching Broker Pre-matched Trade with another Trading Participant in accordance with clause (a) for the same Product, Transaction Quantity, Price, Delivery Period and Delivery Point such that after Delivery Netting is applied to the first mentioned Broker Pre-matched Trade and the matching Pre-matched Trade the net aggregate trading position of the Broker Participant is zero.

Note: notwithstanding clause 13.3(c), if a Broker Pre-matched Trade is submitted and confirmed that does not result in the net aggregate trading position of the Broker Participant being zero or Delivery Netting does not apply (see clause 14.7.3), the Broker Pre-matched Trade will still be formed and will give rise to the rights and obligations under, or as provided for in, this agreement.

- (d) Submissions and confirmations of Broker Pre-matched Trades must meet the requirements applicable to Orders for the relevant Product, except that:
 - (i) details of a Broker Pre-matched Trade that are not confirmed by the Trading Participant or Broker Participant (as applicable) within one hour of submission will automatically expire; and
 - (ii) details of a Broker Pre-matched Trade will be rejected if not submitted before 6:00pm on any day.
- (e) Clauses 12.4 and 12.5 apply to the submission and confirmation of Broker Pre-matched Trades, except that the Operator is not required to reject a Broker Pre-matched Trade submission or confirmation under clause 12.5 by reference to the Trading Margin of, or any limit set by, either of the Seller or the Buyer.
- (f) A Broker Pre-matched Trade is formed between the Trading Participant and Broker Participant under that trade when:
 - (i) the Trading Participant or Broker Participant (as applicable) confirms the details of the trade in the Trading System; and
 - (ii) the matching Pre-matched Trade is also formed between the Broker Participant and the other Trading Participant in accordance with clause 13.3(f)(i).

13.4. Exchange for Physical (EFP) Trades

- (a) If permitted in the Product Specification for a particular Product;
 - (i) a Trading Participant for an EFP Trade for that Product may submit EFP Trade Information for the EFP Trade in the Trading System (First EFP Trading Participant); and
 - (ii) a Trading Participant that is the counterparty to that EFP Trade for that Product may submit EFP Trade Information for that EFP Trade in the Trading System (Second EFP Trading Participant),
 during the EFP Trading Window for the Product.
- (b) Clauses 12.4 and 12.5 apply to the submission of EFP Trade Information for an EFP Trade.

- (c) In addition to clauses 12.4 and 12.5, the Operator must reject an EFP Trade if the information in the EFP Trade Information submitted by the First EFP Trading Participant for a Gas Future ID does not match the information submitted by the Second EFP Trading Participant for the same Gas Future ID.
- (d) The Operator will inform the First EFP Trading Participant and the Second EFP Trading Participant in the event the EFP Trade entered by the First EFP Trading Participant and the Second EFP Trading Participant is accepted.
- (e) An EFP Trade is formed between the Buyer and the Seller under that trade when the EFP Trade Information for the EFP Trade entered by the First EFP Trading Participant is matched and validated against the EFP Trade Information for the EFP Trade entered by the Second EFP Trading Participant in the Trading System.
- (f) To the maximum extent permitted by law, AEMO is not liable to any Member for any loss, damage, debt, obligation, action, cost (including legal costs, deductibles or increased premiums), expense, compensation, charge or liability of any kind (including fines or penalties) whether actual, prospective or contingent or currently ascertainable or not in connection with EFP Trade Information (including but not limited to any delay or failure to provide EFP Trade Information to AEMO) whether arising in contract, tort (including negligence) breach of duty or any other ground.

13.5. Confirmations

- (a) As soon as reasonably practicable after each Transaction is formed, the Operator must send a Confirmation to each Trading Participant whose Order was accepted.
- (b) Each Confirmation must specify the Trading System's identification number for the Transaction, whether the Trading Participant is the Buyer or Seller, the time the Transaction was entered into, the Product the subject of the Transaction, the details for the Transaction required by the Product Specification and, where Delivery Netting does not apply, the identity of the other party to the Transaction.
- (c) Without limiting subclause (a) and (b), for an EFP Trade:
 - (i) a Confirmation must also specify Gas Future ID; and
 - (ii) as soon as reasonably practicable after each EFP Trade is formed, the Operator must send a Confirmation to ASX and the Trading Participants for the EFP Trade are taken to consent to the disclosure of the Confirmation by the Operator to ASX.

13.6. Transactions in error

- (a) The Operator may void any Transaction formed through the Trading System which the Operator reasonably considers has been formed as a result of a malfunction of the Trading System, and the Operator must notify the Seller and the Buyer as soon as reasonably practicable.
- (b) Any Transaction formed through the Trading System is void if the Operator fails to send a confirmation (or information purporting to be a confirmation) to the Trading Participants by means of the Trading System within 4 hours after the time the Transaction was formed.
- (c) In the case of Transactions formed as part of a Spread Product or based on an Implied Order, the Operator may void all Transactions formed in connection with the Spread Product or Implied Order even if the relevant malfunction or delay directly affects only one of the Transactions.

- (d) If a Trading Participant becomes aware, or is of the opinion, that a Transaction has (or has not) been formed as a result of a malfunction of the Trading System, the Trading Participant must notify the Operator as soon as reasonably practicable.

13.7. Spread Products

13.7.1. Overview

This clause 13.7 provides for Spread Products based on the following principles:

- (a) An Order for a Spread Product represents an offer to enter into both (but not either) a Physical Gas Transaction as a Buyer for delivery at one location and an offer to enter into a second Physical Gas Transaction as a Seller for delivery at another location.
- (b) An Order for a Spread Product can be made in the same way as an Order for any other Product.
- (c) A Spread Product comprises a Base Product at one location and a Premium Product at the other location.
- (d) Acceptance of a Spread Product results in a Transaction in each of the Base Product and the Premium Product.
- (e) Products are identified as Premium Products and Base Products as a market convention in order to calculate the Price for each Resulting Transaction. This market convention results in the Spread Product having a positive Spread Product Price when the Premium Product has a higher price than the Base Product and a negative Spread Product Price when the Base Product has a higher price than the Premium Product.

13.7.2. Forming Transactions from Spread Products

Where a Bid for a Spread Product and an Offer for that Spread Product match in accordance with clause 13.1.2 and are accepted in accordance with clause 13.7.3:

- (a) a Transaction is formed in respect of the Premium Product in which the Trading Participant that submitted the Bid for the Spread Product is the Buyer and the Trading Participant that submitted the Offer for the Spread Product is the Seller and the Delivery Point is the applicable Default Premium Product Delivery Point;
- (b) a Transaction is formed in respect of the Base Product in which the Trading Participant that submitted the Offer for the Spread Product is the Buyer and the Trading Participant that submitted the Bid for the Spread Product is the Seller and the Delivery Point is the applicable Default Base Product Delivery Point; and
- (c) in each case, the Price is determined in accordance with clause 13.6.4 using the Spread Product Price determined under clause 13.6.3.

13.7.3. Acceptance rules

The following acceptance rules apply to Spread Products in place of the rules in clause 13.1.3:

- (a) where only one open Bid for a Spread Product and one open Offer for a Spread Product match, the Spread Product Price is the price of the earliest Order displayed (determined by reference to the Time Stamp for each Order);
- (b) where an open Bid for a Spread Product matches one or more open Offers for a Spread Product, then the Spread Product Price is the price of the open Offer with the lowest price or, where the lowest price is common to two or more Offers, the Offer with the lowest price

which was submitted first in time (as indicated by the most recent Time Stamp for each Offer); and

- (c) where an open Offer for a Spread Product matches one or more open Bids for a Spread Product, then the Spread Product Price is the price of the open Bid with the highest price or, where the highest price is common to two or more Bids, the Bid with the highest price which was submitted first in time (as indicated by the most recent Time Stamp for each Bid).

13.7.4. Prices of Transactions formed by Spread Products

The Price for each Resulting Transaction is determined as follows:

- (a) if there has been a trade in the Premium Product on the trading day before the time at which the Resulting Transactions are formed (determined by reference to the Time Stamps) ("**Recent Premium Product Transaction**"):
 - (i) the Price for the Resulting Transaction for the Premium Product is the greater of the Price for the Recent Premium Product Transaction and the Spread Product Price; and
 - (ii) the Price for the Resulting Transaction for the Base Product is the Price for the Premium Product Transaction as determined in clause 13.7.4(a)(i) less the Spread Product Price; or
- (b) if there has not been a Transaction in the applicable Premium Product on the trading day before the time at which the Resulting Transactions are formed:
 - (i) the Price for the Resulting Transaction for the Premium Product will be the greater of the Default Reference Price determined in respect of the previous trading day and the Spread Product Price; and
 - (ii) the Price for the Resulting Transaction for the Base Product will be the Price determined under clause 13.6.4(b)(i) less the Spread Product Price.

13.8. Implied Orders

13.8.1. Overview

This clause 13.8 provides for Implied Orders to be calculated and displayed through the Exchange based on the following principles:

- (a) Implied Orders are only calculated and displayed in respect of Spread Products and their Related Products.
- (b) If Orders for any two Related Products for the same Delivery Period are displayed on the Exchange on a trading day, an Implied Order for the remaining Related Product for the same Delivery Period is automatically calculated and displayed.
- (c) Each Implied Order is displayed in the form of a Bid or Offer to facilitate trading.
- (d) Each Implied Order provides the following information:
 - (i) the category of the remaining Related Product;
 - (ii) the form of Order (Bid or Offer) required to be submitted for Transactions to be formed in the Related Products. For this purpose:
 - (A) an Implied Order in the form of a Bid indicates that a corresponding Offer for the remaining Related Product should be submitted; and

- (B) an Implied Order in the form of an Offer indicates that a corresponding Bid for the remaining Related Product should be submitted; and
- (iii) the Price at which a corresponding Order for the remaining Related Product would result in Transactions being formed using the two other Related Products.
- (e) If a corresponding Order for the remaining Related Product is made and is matched and accepted, Transactions for Physical Gas are formed as set out in clause 13.7.6.
- (f) If an Implied Order ceases to reflect current Orders in the Exchange (for example, if the Orders used to calculate the Implied Orders are matched, modified or withdrawn), the Implied Orders will be amended or cease to be displayed as soon as practicable.
- (g) (g) No Implied Order will be calculated and displayed, and the Operator may cancel any Implied Order where the Implied Order would otherwise be inconsistent with the characteristics of any Order and in the other circumstances provided for in this clause 13.7.

13.8.2. Calculating Implied Orders

- (a) The information to be displayed as Implied Orders will be calculated using the rules in clauses 13.8.2 to 13.8.4 and will be amended or may be withdrawn from time to time to reflect changes in the current Orders on the Exchange or as otherwise provided for in this agreement.
- (b) If, at any time on a trading day, an Order in Column A in the table below and an Order in Column B in the same row are displayed on the Exchange for Related Products for the same Delivery Period:
 - (i) the Implied Order in the same row will be automatically displayed for the remaining Related Product for the same Delivery Period; and
 - (ii) the Price or Spread Product Price (in \$/GJ) for that Implied Order will be determined in accordance with formula in the last column of that row (with A being the Price for the Order in Column A and B being the Price or Spread Product Price (as applicable) for the Order in Column B).

Column A	Column B	Implied Order	Pricing for Implied Order
Bid for the Premium Product	Offer for the Base Product	Bid for the Spread Product	Spread Product Price equal to A - B
Offer for the Premium Product	Bid for the Base Product	Offer for the Spread Product	Spread Product Price equal to A - B
Bid for the Premium Product	Offer for the Spread Product	Bid for the Base Product	Price equal to A - B
Offer for the Premium Product	Bid for the Spread Product	Offer for the Base Product	Price equal to A - B
Bid for the Base Product	Bid for the Spread Product	Bid for the Premium Product	Price equal to A + B
Offer for the Base Product	Offer for the Spread Product	Offer for the Premium Product	Price equal to A + B

- (c) If there is more than one Order in either Column A or Column B in the same row displayed on the Exchange for Related Products for the same Delivery Period, the Implied Order is calculated using, and the Price for the Implied Order is determined by reference to:

- (i) if the Order for which there is more than one Order displayed is a Bid, the Bid with the highest price;
- (ii) if the Order for which there is more than one Order displayed is an Offer, the Offer with the lowest price.

13.8.3. Quantity for Implied Orders

Subject to clause 13.8.4, the Quantity for the Implied Order will be the lesser of the Quantities for the Orders used to calculate the Implied Order.

13.8.4. Order Characteristics

- (a) An Implied Order is not valid and will not be displayed if it would otherwise result in an Implied Order that is inconsistent with the characteristics of any Order. For example, an Implied Order will be invalid if the application of clause 13.8.3 would result in a Quantity for an Implied Order that is less than the Quantity for an Order used to calculate the Implied Order and partial acceptance of that Order is not permitted.
- (b) Subject to clause 13.8.4(a), each Implied Order will be taken to have the same characteristics (such as partial acceptance) as the Orders used to calculate the Implied Order. If the order characteristics are inconsistent and cannot be reconciled (for example, by selecting the higher of two minimum values), then the Implied Order is not valid and will not be displayed.

13.8.5. Product Limits

- (a) A Trading Participant must not submit a corresponding Order for an Implied Order that breaches any applicable Product Limit.
- (b) If a Trading Participant becomes aware, or is of the opinion, that a Transaction has been formed from an Implied Order that breaches any applicable Product Limit, the Trading Participant must notify the Operator as soon as reasonably practicable.
- (c) If a Transaction is formed as a result of the acceptance an Implied Order that breaches any applicable Product Limit, that Transaction and the related Transaction are void.
- (d) Trading Participants will be notified by means of the Trading System as soon as reasonably practicable where the Operator becomes aware that a Transaction has been formed from an Implied Order that breaches any applicable Product Limit.

13.8.6. Forming Transactions where there are Implied Orders

- (a) In this agreement:
 - (i) a reference to an "**originating**" Order for a Base Product, Premium Product or Spread Product is a reference to each of the Orders for that Product used to calculate the Implied Order;
 - (ii) an Order is taken to "**correspond**" with an Implied Order as follows:
 - (A) the Implied Order is in the form of a Bid and the Order is an Offer or the Implied Order is in the form of an Offer and the Order is a Bid; and
 - (B) in each case, the two are taken to match in accordance with the rules in clause 13.1.2 (and for this purpose only, taking a reference to a "Bid", "Offer" or "Order" in that clause to include Implied Orders),
 - (C) and in this clause 13.8.6, the Order that corresponds is a **Corresponding Order**.

- (b) Where an Order corresponds with an Implied Order, Transactions are formed in accordance with the rules in this clause 13.8.6.
- (c) The Delivery Point for each Transaction formed in accordance with the rules in this clause 13.8.6 is determined in accordance with clause 13.8.6(h) (and to that extent, clause 13.8.6(h) prevails over clauses 13.8.6(e) to 13.8.6(g)).
- (d) Where the rules in this clause 13.7.6 specify that one party is the Buyer (or Seller) to a Transaction, the other party is the Seller (or Buyer) in that Transaction.
- (e) If the Implied Order is for a Spread Product:
 - (i) a Transaction is formed for the Base Product in which:
 - (A) the Trading Participant that submitted the originating Order for the Base Product is one party and the Trading Participant that submitted the Corresponding Order is the other party;
 - (B) subject to the partial acceptance rules in clause 13.1.4, the terms of the Transaction are the terms of the originating Order for the Base Product; and
 - (C) the Trading Participant that submitted the originating Order for the Base Product is the Buyer if that Order was a Bid, and otherwise is the Seller; and
 - (ii) a Transaction is formed for the Premium Product in which:
 - (A) the Trading Participant that submitted the originating Order for the Premium Product is one party and the Trading Participant that submitted the Corresponding Order is the other party;
 - (B) subject to the partial acceptance rules in clause 13.1.4, the terms of the Transaction are the terms of the originating Order for the Premium Product; and
 - (C) the Trading Participant that submitted the originating Order for the Premium Product is the Buyer if that Order was a Bid, and otherwise is the Seller.
- (f) If the Implied Order is for a Base Product:
 - (i) a Transaction is formed for the Premium Product in which:
 - (A) the Trading Participant that submitted the originating Order for the Premium Product is one party and the Trading Participant that submitted the originating Order for the Spread Product is the other party;
 - (B) subject to the partial acceptance rules in clause 13.1.4, the terms of the Transaction are the terms of the originating Order for the Premium Product; and
 - (C) the Trading Participant that submitted the originating Order for the Premium Product is the Buyer if that Order was a Bid, and otherwise is the Seller; and
 - (ii) a Transaction is formed for the Base Product in which:
 - (A) the Trading Participant that submitted the originating Order for the Spread Product is one party and the Trading Participant that submitted the Corresponding Order is the other party;
 - (B) subject to the partial acceptance rules in clause 13.1.4, the terms of the Transaction are the terms of the Corresponding Order for the Base Product; and
 - (C) the Trading Participant that submitted the Corresponding Order for the Base Product is the Buyer if that Order was a Bid and otherwise is the Seller.
- (g) If the Implied Order is for a Premium Product:

- (i) a Transaction is formed for the Base Product in which:
 - (A) the Trading Participant that submitted the originating Order for the Base Product is one party and the Trading Participant that submitted the originating Order for the Spread Product is the other party;
 - (B) subject to the partial acceptance rules in clause 13.1.4, the terms of the Transaction are the terms of the originating Order for the Base Product; and
 - (C) the Trading Participant that submitted the originating Order for the Base Product is the Buyer if that Order was a Bid, and otherwise is the Seller; and
- (ii) Transaction is formed for the Premium Product in which:
 - (A) the Trading Participant that submitted the originating Order for the Spread Product is one party and the Trading Participant that submitted the Corresponding Order is the other party;
 - (B) subject to the partial acceptance rules in clause 13.1.4, the terms of the Transaction are the terms of the Corresponding Order for the Premium Product; and
 - (C) the Trading Participant that submitted the Corresponding Order for the Base Product is the Buyer if that Order was a Bid, and otherwise is the Seller.
- (h) For each of the Transactions formed under clauses 13.8.6(e), 13.8.6(f) and 13.8.6(g), the Delivery Point is:
 - (i) for a Product to which Delivery Matching applies, the point determined in accordance with clause 14.7.4, provided that if the Buyer or Seller (or both) to the Transaction has or have not nominated a Delivery Point, for the purposes of clause 14.7.4, they will be taken to have nominated the Common Delivery Point;
 - (ii) for a Product to which Delivery Matching does not apply:
 - (A) if the Order submitted by the Seller was for a Spread Product, then the Delivery Point is the Default Base Product Delivery Point or the Default Premium Product Delivery Point as applicable; or
 - (B) if (h)(ii)(A) does not apply, the point specified in the Order submitted by the Seller to the Transaction.

13.9. Custom delivery periods

- (a) Subject to clause 13.9(b), if permitted in the Product Specification for a particular Product, when submitting the details of a Pre-matched Trade under clause 13.2 or a Broker Pre-matched Trade under clause 13.3, a Trading Participant or a Broker Participant (as applicable) may submit a Delivery Period for that Product in the Trading System that is different from the Delivery Period specified in the Product Specification for that Product, known as a Custom Delivery Period.
- (b) To submit a Custom Delivery Period, at the time of submitting the details of a Pre-matched Trade or Broker Pre-matched Trade, the Trading Participant or Broker Participant (as applicable) submitting the Pre-matched Trade or Broker Pre-matched Trade (as applicable) must specify a start date and end date for the Delivery Period that is consistent with the requirements in the relevant Product Specification.
- (c) If a Trading Participant or a Broker Participant has submitted a Custom Delivery Period, confirmation of that Pre-matched Trade or the Broker Pre-matched Trade by a second Trading Participant in accordance with clause 13.2 (in relation to a Pre-matched Trade) or a

Broker Participant or a Trading Participant accordance with clause 13.3 (in relation to a Broker Pre-matched Trade) constitutes agreement to that Custom Delivery Period between the Trading Participants (in relation to the Pre-matched Trade) or the Broker Participant and Trading Participant (in relation to the Broker Pre-matched Trade) for that Pre-matched Trade or Broker Pre-matched Trade (as applicable).

- (d) Where a Custom Delivery Period applies to a Transaction:
- (i) notwithstanding the Delivery Period specified in the applicable Product Specification, the Delivery Period for the Transaction will be from the start date to the end date (inclusive) as specified by the Trading Participant or Broker Participant at the time of submitting the Pre-matched Trade or Broker Pre-matched Trade (as applicable); and
 - (ii) all other terms of the Transaction will be determined in accordance with clause 13.2 for a Pre-matched Trade and clause 13.3 for a Broker Pre-matched Trade and in the relevant Product Specification for that Transaction.

14. DELIVERY OF PHYSICAL GAS TRANSACTIONS

14.1. Application

- (a) This clause 14 applies to a Trading Participant who is party to a Physical Gas Transaction:
 - (i) where Delivery Netting applies, in its capacity as a Delivering Participant or a Receiving Participant, in favour of the Trading Participant who is the corresponding Receiving Participant or Delivering Participant (as the case may be);
 - (ii) where Delivery Netting does not apply, in its capacity as the Seller or Buyer in that Physical Gas Transaction, in favour of the Trading Participant who is the corresponding Buyer or Seller (as the case may be) in that Transaction. Note: Location Swap Transactions are Physical Gas Transactions for the purposes of this agreement.
- (b) Each Trading Participant who has, on any Gas Day, any obligation to make available for delivery or accept delivery of a quantity of gas under clause 14.3 must comply with this clause 14 separately in relation to each such obligation.
- (c) The Operator has no liability to any Member in respect of the matters provided for in this clause 14, and is not responsible for procuring the performance of any of those matters.
- (d) This clause 14 is intended to be enforceable by the corresponding Trading Participants described in paragraph (a), as between those Trading Participants.

14.2. Definitions

- (a) In this clause 14, the term **nomination** refers to a nomination given by a gas shipper to a Gas Transporter under a Gas Transportation Agreement or a Gas Compression Services Agreement.
- (b) For the purposes of this agreement, nominations are **accurate** if:
 - (i) the nomination is submitted to the Gas Transporter for the Delivery Point to which the nomination relates and to whom the Trading Participant is entitled or required to give nominations for the purposes of delivery or receipts of gas or use of a Gas Compression Service at that Delivery Point under its Gas Transportation Agreements or Gas Compression Services Agreement; and

- (ii) the nomination is given for the Delivery Quantity, in the form, by the time, and with all the information required by the relevant Gas Transporter.

14.3. Delivery obligations

- (a) Trading Participants who have concluded Physical Gas Transactions through the Exchange must make gas available for delivery, or accept delivery of gas (as applicable) in accordance with this clause 14.3.
- (b) In respect of any particular Gas Day, for Physical Gas Transactions (other than Location Swap Transactions) for which the Delivery Period includes, or comprises, that Gas Day:
 - (i) each Delivering Participant must make available for delivery on that Gas Day at the Delivery Point the Delivery Quantity, and must submit accurate nominations for that purpose; and
 - (ii) each Receiving Participant must accept on that Gas Day at the Delivery Point the Delivery Quantity, and must submit accurate nominations for that purpose.
- (c) In respect of any particular Gas Day, for Location Swap Transactions for which the Delivery Period includes, or comprises, that Gas Day:
 - (i) each Buyer must:
 - (A) make available for delivery on that Gas Day at the Swap Receipt Point the Order Quantity, and must submit accurate nominations for that purpose; and
 - (B) accept on that Gas Day at the Swap Delivery Point the Order Quantity, and must submit accurate nominations for that purpose;
 - (ii) each Seller must:
 - (A) accept on that Gas Day at the Swap Receipt Point the Order Quantity and must submit accurate nominations for that purpose; and
 - (B) make available for delivery at the Swap Delivery Point the Order Quantity and must submit accurate nominations for that purpose.

Note: In this agreement, the term "Delivery Point" includes the Swap Receipt Point and the Swap Delivery Point. The Buyer of the Location Swap is the Delivering Participant at the Swap Receipt Point and the Receiving Participant at the Swap Delivery Point. The Seller of the Location Swap is the Receiving Participant at the Swap Receipt Point and the Delivering Participant at the Swap Delivery Point.

- (d) The corresponding Delivering Participant and Receiving Participant must cooperate to ensure that accurate nominations are submitted in a timely manner and to resolve any issues identified by the Gas Transporter in relation to any nomination.
- (e) For the purposes of this agreement, the quantities of gas delivered and accepted at a Delivery Point on any Gas Day will be the quantities determined in accordance with the conditions for allocation between shippers applicable at that Delivery Point, as determined by the Gas Transporter or by agreement between shippers from time to time, and prevailing at the time of delivery.
- (f) If the Delivering Participant or the Receiving Participant delivers or accepts (as the case may be) more or less than the Delivery Quantity at the Delivery Point on a Gas Day:
 - (i) subject to clause 15.2, a Delivery Variance Amount will be payable by or to that party (as applicable) in respect of the Delivery Variance Quantity as part of its Settlement Amount for the Billing Period that includes that Gas Day; and
 - (ii) without prejudice to any rights arising under this agreement in respect of title to gas or gas quality, the liability of that party for failure to deliver or accept the Delivery Quantity

is limited to the amount of the payment or discount reflected in the Delivery Variance Amount, or an equivalent amount to be paid under paragraph (f).

- (g) If a dispute arises as to the quantity of gas made available for delivery or accepted at a Delivery Point and is not resolved and the outcome notified to the Operator under clause 15.2 by the cut-off date prior to Revised Statements for the relevant Billing Period, the resolution cannot be settled through the Exchange, but if it is subsequently agreed or determined that the delivered quantity was more or less than the Delivery Quantity then the Delivering Participant or the Receiving Participant (as the case may be) must pay to the other an amount representing:
- (i) the payment or offset that other party would have received in the relevant Settlement had the parties given the Operator a valid notice under clause 15.2 in terms that reflect the outcome of the dispute; and
 - (ii) interest at the Interest Rate plus 2% per annum, calculated as simple interest on a daily basis, from the due date for payment of Settlement Amounts for that Billing Period to the date payment is made under this paragraph.

14.4. Title and risk

14.4.1. Warranty as to title

The Delivering Participant warrants to the Receiving Participant that:

- (a) all gas that the Delivering Participant makes available for delivery in accordance with its obligations under this agreement will, when made available for delivery at the Delivery Point, be free from all liens, charges, encumbrances and adverse claims; and
- (b) the Delivering Participant will ensure that title to all gas that it makes available for delivery in accordance with its obligations under this agreement will transfer to the Buyer on delivery at the Delivery Point.

14.4.2. Transfer of title and risk

As between the Receiving Participant and the Delivering Participant and for the purposes of this agreement, title to, risk in and control of all gas delivered in accordance with this agreement passes to the Receiving Participant that accepted delivery of that gas when that gas passes the Delivery Point.

14.5. Gas Quality

14.5.1. Delivery pressure

The Delivering Participant must ensure that the gas delivered to the Delivery Point is delivered within the pressure range specified for the Delivery Point in the Product Specification or, in relation to a Pre-matched Trade or Broker Pre-matched Trade, the pressure range specified by the Gas Transporter for the Delivery Point for the Pre-matched Trade or Broker Pre-matched Trade. The Receiving Participant has no obligation to accept delivery of gas at a pressure outside the pressure range specified for the Delivery Point.

14.5.2. Uniform rate of flow

Trading Participants must maintain deliveries and receipts of gas at Delivery Points as nearly as practical at a uniform hourly rate of flow during a Gas Day.

14.5.3. Gas specification

- (a) The Delivering Participant must ensure that all gas delivered to the Receiving Participant at the Delivery Point meets the gas quality specification contained in Australian Standard AS4564-2005, Specification for General Purpose Natural Gas (as amended or replaced from time to time), and any additional gas quality specifications specified for that Delivery Point in schedule 2 or schedule 3 or, in relation to a Pre-matched Trade or Broker Pre-matched Trade, any additional gas quality specification specified by the Gas Transporter for the Delivery Point for the Pre-matched Trade or Broker Pre-matched Trade.
- (b) The Delivering Participant is taken to have delivered gas to the Receiving Participant in accordance with the applicable specifications when the gas passes the Delivery Point, unless:
 - (i) the Gas Transporter notifies either or both of the parties that the gas is or was Off-Specification Gas; or
 - (ii) an Off-Specification Notice is given in respect of the gas under clause 14.5.4. Note: Clause 14.5.4(h) provides for the rights and liabilities of the parties where one of these notices is given in respect of Off-Specification Gas that has already passed the Delivery Point.

14.5.4. Off-Specification Gas

- (a) Each of the Receiving Participant and the Delivering Participant must notify the other as soon as reasonably practicable after it becomes aware that Off-Specification Gas may be or has been delivered at the Delivery Point by the Delivering Participant (an **Off-Specification Notice**). The Off-Specification Notice must, as far as reasonably possible, identify how the Off-Specification Gas differs from the Specification, the quantity of the Off-Specification Gas and (in the case of a notice given by the Delivering Participant) the expected duration of the supply of Off-Specification Gas.
- (b) The Receiving Participant must, within 2 hours after receiving or giving an Off-Specification Notice, advise the Delivering Participant by notice whether it rejects or accepts all or any of the Off-Specification Gas described in that Off-Specification Notice and delivered after the time the Receiving Participant gives that advice, subject to clause 14.5.4(e).
- (c) If the Receiving Participant:
 - (i) does not give a notice rejecting the Off-Specification Gas within the time period specified in clause 14.5.4(b) and subsequently takes delivery of the Off-Specification Gas; or
 - (ii) to the extent it has rejected the Off-Specification Gas, fails to use its reasonable endeavours to prevent acceptance of that quantity of Off-Specification Gas, the Receiving Participant will be taken to have accepted the Off-Specification Gas described in the Off-Specification Notice, as if it complied with the Specification, subject to clause 14.5.4(e).
- (d) If the Receiving Participant accepts Off-Specification Gas by notice given under clause 14.5.4(b) or is taken to have accepted Off-Specification Gas by operation of clause 14.5.4(c), the Delivering Participant:
 - (i) will be taken to have delivered the gas in accordance with this agreement;
 - (ii) will not be responsible in any way for any loss, cost, damage or expense arising out of the acceptance by the Receiving Participant of Off-Specification Gas as described in the Off-Specification Notice;

- (iii) must, if the Off-Specification Gas made available for delivery varies materially further from the Specifications than is described in the Off-Specification Notice, give the Receiving Participant a further Off-Specification Notice (and the Receiving Participant must have a further opportunity to accept or reject that gas, for which purpose clauses 14.5.4(b) and 14.5.4(c) apply); and
- (iv) must use reasonable endeavours to resume deliveries of gas that complies with the Specification and must notify the Receiving Participant as soon as reasonably practicable after those deliveries resume.
- (e) The Receiving Participant may, at any time after accepting (or being deemed to accept) delivery of Off-Specification Gas, notify the Delivering Participant that it rejects further deliveries of Off-Specification Gas from a time specified in the notice (not earlier than 2 hours after giving the notice). The Receiving Participant must endeavour to give as much notice as reasonably practicable.
- (f) Notwithstanding any other provision of this clause, if the Gas Transporter rejects delivery or receipt of Off-Specification Gas at the Delivery Point, the Receiving Participant is automatically taken to have rejected that Off-Specification Gas and must notify the Delivering Participant as soon as reasonably practicable.
- (g) If the Receiving Participant rejects, or is taken to have rejected, delivery or further delivery of Off-Specification Gas:
 - (i) the Delivering Participant must use reasonable endeavours to prevent delivery of Off-Specification Gas (subject to paragraph (ii)) and to resume delivery of gas that complies with the Specification as soon as reasonably practicable;
 - (ii) the Receiving Participant must use reasonable endeavours to prevent acceptance of Off-Specification Gas at the Delivery Point;
 - (iii) the Delivering Participant must notify the Receiving Participant as soon as reasonably practicable of the Gas Day and time when deliveries of that gas will resume;
 - (iv) any Off-Specification Gas tendered for delivery is not taken to be gas delivered by the Delivering Participant in accordance with this Agreement, and the parties have the same rights and liabilities as they would have under clauses 14.3(e) and 14.3(f) in respect of a failure to deliver that quantity of gas; and
 - (v) except as provided in paragraph (iv), the Delivering Participant is not liable for any loss, damage, costs or expenses arising out of the receipt of Off-Specification Gas by the Receiving Participant, unless and to the extent that:
 - (A) the Off-Specification Gas was delivered as a result of the Delivering Participant's wilful default; or
 - (B) the Delivering Participant receives a payment by way of damages or indemnity from a gas supplier or transporter relating to that quantity of Off-Specification Gas.
- (h) If Off-Specification Gas tendered by the Delivering Participant passes the Delivery Point before the time at which the Receiving Participant accepts or rejects, or is taken to have accepted or rejected, that Off-Specification Gas under this clause 14.5.4:
 - (i) the relevant quantity of Off-Specification Gas is taken to have been delivered by the Delivering Participant in accordance with this Agreement; and
 - (ii) the Delivering Participant must reimburse the Receiving Participant for any amount payable to the Gas Transporter in accordance with the Receiving Participant's Gas

Transportation Agreement or Gas Compression Services Agreement in respect of the delivery of that quantity of Off-Specification Gas; but

- (iii) the liability of the Delivering Participant under paragraph (ii) is limited to the amount for which it would have been liable under clause 14.3(e) or 14.3(f) if it had failed to deliver that quantity of gas, unless and to the extent that:
 - (A) the Off-Specification Gas was delivered as a result of the Delivering Participant's wilful default; or
 - (B) the Delivering Participant receives a payment by way of damages or indemnity from a gas supplier or transporter relating to that quantity of Off-Specification Gas.
- (i) Clause 14.5.4(j) applies if the Receiving Participant in a Location Swap Transaction rejects or is taken to have rejected delivery or further delivery of Off-Specification Gas offered by the Delivering Recipient at the applicable Delivery Point under the Location Swap Transaction.
- (j) If this clause applies, the Receiving Participant is not "responsible" within the meaning of clause 15.2(c) for a Delivery Variance Quantity arising in respect of its obligations to receive gas under the Location Swap Transaction at the applicable Delivery Point or its obligation to deliver gas at the Delivery Point for which it is the Delivering Participant for that Location Swap, in each case up to the quantity of Off-Specification Gas that was rejected or taken to have been rejected.

14.5.5. Exclusion of warranties

Except as expressly set out in this agreement, each of the Receiving Participant and the Delivering Participant expressly disclaims, to the fullest extent permitted by law, any warranties, written or oral, express or implied, including without limitation any warranty as to quality, merchantability, or fitness for any particular purpose of any gas.

14.6. Measurement

- (a) Each Delivering Participant must procure the measurement of quantities of gas delivered at the Delivery Point, and use all reasonable endeavours to procure that the Gas Transporter at the Delivery Point gives the Receiving Participant access to the measurement data.
- (b) Subject to any obligations of confidentiality owed to another person, the Delivering Participant and the Receiving Participant must share all information available to them in relation to the determination of delivered quantities under this agreement.
- (c) The rights of a Trading Participant to request the testing of the accuracy of any measuring equipment used at the Delivery Point shall be governed by the terms of the Gas Transportation Agreement or Gas Compression Services Agreement between that Trading Participant and the Gas Transporter.
- (d) Each Trading Participant must use commercially reasonable efforts to ensure that the measuring equipment used to measure the quantity of gas delivered at the Delivery Point is within the range of accuracy required by the Gas Transportation Agreement or Gas Compression Services Agreement to which it is a party.
- (e) If, as a result of measuring equipment being found to be inaccurate, quantities of gas delivered at any Delivery Point are corrected or revised, then:
 - (i) the Delivering Participant must notify the Receiving Participant;
 - (ii) the Delivering Participant and the Receiving Participant must notify that change to the Operator in accordance with this agreement; and

- (iii) any adjustments to statements under this agreement as a result of such revisions will be governed by clause 18.

14.7. Delivery Netting, Delivery Matching and Scheduling

14.7.1. Application

- (a) The remainder of this clause 14.7 (other than this paragraph (a)), ceases to apply if Exemption Regulations cease to be in effect. The term '**Exemption Regulations**' means regulations made under the Corporations Act or other regulatory instrument that have the effect that neither the Operator nor Trading Participants are required to obtain a licence under Chapter 7 of the Corporations Act to exercise their rights and perform their obligations under this agreement in respect of Transactions for Physical Gas Products where Delivery Netting applies. The term Exemption Regulations is taken to include regulations 7.6.01(1)(z), 7.10.03 and 9.12.05 in the Corporations Regulations 2001 as in force on 1 December 2016.
- (b) In respect of any Gas Day and a particular Trading Location, subject to clause 14.7.3 and clause 13.2(a3), Delivery Netting applies to Transactions:
 - (i) in respect of Products to which Delivery Netting is specified to apply in the Product Specification;
 - (ii) for delivery at that Delivery Point and for which the Delivery Period includes, or comprises, that Gas Day.
- (c) For the purposes of this clause, each Forward Gas Transaction described in paragraph (b) is a '**Relevant Transaction**'.

14.7.2. Scheduling

- (a) For each Gas Day and Trading Location, the Operator must determine, for each Trading Participant under a Relevant Transaction, the Trading Participant's aggregate net trading position, which may be positive, negative or zero.
- (b) The aggregate net trading position for a Trading Participant for a Gas Day for a Trading Location is equal to:
 - (i) the Transaction Quantity for all Relevant Transactions (for that Trading Location) for which the Trading Participant is a Buyer; less
 - (ii) the Transaction Quantity for all Relevant Transactions (for that Trading Location) for which the Trading Participant is a Seller.
- (c) For each Gas Day, and for each Trading Location, the Operator must determine a delivery schedule that includes:
 - (i) one or more delivery pairs, each comprising two Trading Participants, as follows:
 - (A) one must be Trading Participant with a negative aggregate net trading position for the Trading Location (**Delivering Participant**);
 - (B) the second must be a Trading Participant with a positive aggregate net trading position for the Trading Location (**Receiving Participant**);
 - (C) where and to the extent Delivery Matching applies as specified in clause 14.7.4(a), selected applying the principles in clause 14.7.4; and
 - (ii) the Delivery Quantity for each delivery pair; and

- (iii) the Delivery Point at which that quantity is to be delivered and accepted, determined as follows:
 - (A) where and to the extent Delivery Matching applies as specified in clause 14.7.4(a), applying the principles in clause 14.7.4 to determine the Delivery Points for Transactions for that Trading Location; and
 - (B) if paragraph (A) does not apply, then a Delivery Point specified by the Delivering Participant as Seller under one or more Relevant Transactions in respect of an aggregate quantity not exceeding the scheduled Delivery Quantity.
- (d) A delivery schedule can include a Trading Participant as a member of more than one delivery pair for any Trading Location. The delivery pairs are not required to comprise the Trading Participants who submitted the Orders that resulted in the same Relevant Transaction.
- (e) The Operator must ensure that, under the delivery schedule for each Trading Location, the sum of the Delivery Quantities for each Trading Participant in a delivery pair matches its aggregate net trading position.
- (f) Subject to clause 14.7.3, the Operator must give each Trading Participant in a delivery pair for Gas Day D the information in the delivery schedule for that delivery pair as soon as practicable after the end of the last Trading Window for all Relevant Transactions.

14.7.3. Failure to complete Delivery Netting

- (a) If the Operator is unable to provide Delivery Netting information for a Gas Day D and Trading Location under clause 14.7.2(f) by 1:30 pm on D-1:
 - (i) Delivery Netting will not apply to Relevant Transactions for that Gas Day and Trading Location;
 - (ii) at that time, the Operator must give each party to a Relevant Transaction a delivery schedule setting out its Delivery Quantities and counterparties for the Gas Day and Trading Location, being the Transaction Quantities and counterparties under each of its Relevant Transactions; and
 - (iii) in the case of Products to which Delivery Matching applies, notwithstanding the Delivery Point specified in the delivery schedule, the Delivery Point for all Transactions will be the Common Delivery Point.

Note: If clause 14.7.3 applies, in the case of Products to which Delivery Matching applies, the delivery schedule provided by the Operator may not specify the Common Delivery Point. In this case, the Delivery Point will be the Common Delivery Point and the parties must ignore the Delivery Point specified in the delivery schedule.

- (b) If the Operator is unable to make a delivery schedule available under either clause 14.7.2 or paragraph (a) by 7:00 pm on D-1, each Relevant Transaction is taken to be void immediately after that time, but only to the extent of the parties' obligations to deliver, receive and pay for Physical Gas on the relevant Gas Day.

14.7.4. Delivery Matching

- (a) Delivery Matching applies to a Relevant Transaction in a Product that is specified to be subject to Delivery Matching in the Product Specification.
- (b) If a Trading Participant is party to a Relevant Transaction to which Delivery Matching applies, at any time before 12.30 pm on D-1, the Trading Participant may do either or both of the following:

- (i) nominate a new Delivery Point for the Relevant Transaction within the applicable Trading Location (and may do so more than once);
- (ii) elect to be matched within a Priority Group for the Relevant Transaction available at the Trading Location, in each case for one or more Gas Days during the Delivery Period of the Relevant Transaction.
- (c) Where Delivery Matching applies to a Relevant Transaction, in determining the delivery pairs and the Delivery Points for the delivery schedule, the Operator will match Trading Participants with positive and negative aggregate net trading positions respectively for the Trading Location and determine the Delivery Points applying the principles for matching at the applicable Delivery Location as set out in schedule 2 or 3 (as applicable).

14A. DELIVERY OF CAPACITY TRANSACTIONS (CAPACITY TRADING PLATFORM)

14A.1. Application

- (a) This clause 14A applies to the Operator and a Trading Participant who is a party to a Physical Capacity Transaction, in its capacity as a Delivering Participant or Receiving Participant.
- (b) The Operator is not responsible under this agreement for procuring the performance of the obligations of Trading Participants under this clause 14A, Facility Operators under the CTA Procedures or Transportation Service Providers under agreements for the use of Capacity, and the Operator has no liability to any Member in respect of those obligations.

14A.2. Transfer completion and Transfer Errors

- (a) For the purposes of this agreement, Transfer Completion occurs in relation to a Transfer Quantity when:
 - (i) the requirement to Transfer that Transfer Quantity has been notified by the Operator to the relevant Facility Operator under the CTA Procedures and as provided for in this clause;
 - (ii) the Transfer has been validated by the Facility Operator under the CTA Procedures and in the case of a Combined Transfer, each other part of the Combined Transfer has been validated by the applicable Facility Operator;
 - (iii) the Facility Operator has completed the Transfer; and
 - (iv) the Facility Operator has confirmed the Transfer to the Operator in accordance with the CTA Procedures.
- (b) The obligations of Facility Operators with respect to Transfer Validation, Transfer and confirmation are set out in the CTA Procedures.
- (c) The Operator must notify the relevant Trading Participant when Transfer Completion for a Transfer Quantity has occurred, or if any part of the Transfer Quantity has not passed Transfer Validation.
- (d) The Operator must notify the relevant Trading Participant as soon as practicable if it becomes aware of a Transfer Error.
- (e) A Trading Participant must notify the Operator as soon as practicable if it becomes aware of a Transfer Error.
- (f) For the purposes of this agreement, the quantities of Capacity delivered and accepted will be the quantities determined in accordance with the CTA Procedures.

14A.3. Daily Transfer Process

- (a) Each Gas Day, the Operator will determine the aggregate net trading position of each Trading Participant for each Capacity Type for each Gas Day in the following 14 Gas Days, taking into account:
 - (i) for the immediately following 13 Gas Days, all Physical Capacity Transactions which have not already been taken into account in an earlier calculation (typically comprising only those concluded since the calculation on the previous Gas Day); and
 - (ii) for the 14th Gas Day, all Physical Capacity Transactions concluded on or before the Gas Day on which the calculation is made with a Service Term that includes that 14th Gas Day.
- (b) The **aggregate net trading position** for a Gas Day, Participant and Capacity Type may be positive, negative or zero and will be equal to:
 - (i) the Transaction Quantity for all Physical Capacity Transactions for that Capacity Type to be taken into account for that Gas Day as provided for in paragraph (a) and for which the Trading Participant is the Buyer and with a Service Term that includes that Gas Day; less
 - (ii) the Transaction Quantity for all Physical Capacity Transactions for that Capacity Type to be taken into account for that Gas Day as provided for in paragraph (a) and for which the Trading Participant is the Seller and with a Service Term that includes that Gas Day, as adjusted by the Operator to correct Transfer Errors, if any. The Operator is not required to make any adjustment to correct a Transfer Error the Operator becomes aware of on Gas Day D and that relates to that Gas Day D or the following Gas Day. The Operator may make adjustments to correct a Transfer Error the Operator becomes aware of on a Gas Day and that relates to the Gas Day after the following Gas Day or later.
- (c) A Trading Participant with a negative aggregate net trading position in relation to a Capacity Type for a Gas Day is a **Delivering Participant** in respect of that Gas Day and Capacity Type.
- (d) A Trading Participant with a positive aggregate net trading position in relation to a Capacity Type for a Gas Day is a **Receiving Participant** in respect of that Gas Day and Capacity Type.
- (e) On each Gas Day, the Operator must, in accordance with this clause 14A.3 and the CTA Procedures, calculate and notify to Facility Operators the quantities of Capacity that the Facility Operators must Transfer on that Gas Day for each of the following 14 Gas Days, which must be the aggregate net trading positions.
- (f) A **Transfer Quantity** is each quantity of Capacity required to be Transferred for a Gas Day, Trading Participant and Capacity Type.
- (g) For STTM Transfers and DWGM Transfers, the Operator must give effect to the arrangements in the CTA Procedures applicable to those Transfers.

14A.4. Obligations in relation to the Transfer Quantity

- (a) Each Gas Day, for each Transfer Quantity for which a Trading Participant is the Delivering Participant in any Gas Day in the following 14 Gas Days, the Trading Participant must:
 - (i) ensure that a quantity of Capacity at least equal to the Transfer Quantity and of the applicable Capacity Type is available on that Gas Day to be Transferred from its Nominated Transportation Agreement;

- (ii) not do or omit to do anything that may hinder, delay or prevent the Transfer of the Transfer Quantity;
 - (iii) not permit or require any other person to do or omit to do anything that may hinder, delay or prevent the Transfer of the Transfer Quantity; and
 - (iv) co-operate with the Facility Operator to resolve any issues identified by the Facility Operator in relation to the Transfer to ensure that the Transfer can be completed in a timely manner in accordance with the CTA Procedures.
- (b) Each Gas Day, for each Transfer Quantity for which a Trading Participant is the Receiving Participant in any Gas Day in the following 14 Gas Days, the Trading Participant must:
- (i) ensure that the Trading Participant has a Nominated Transportation Agreement for the Transfer that extends to the applicable Capacity Type;
 - (ii) not do or omit to do anything that may hinder, delay or prevent the Transfer of the Transfer Quantity;
 - (iii) not permit or require any other person to do or omit to do anything that may hinder, delay or prevent the Transfer of the Transfer Quantity; and (iv) co-operate with the Facility Operator to resolve any issues identified by the Facility Operator in relation to the Transfer to ensure that the Transfer can be completed in a timely manner in accordance with the CTA Procedures.

14A.5. Transfer Failure

- (a) A Transfer Failure occurs with respect to a Transfer Quantity if Transfer Completion for that Transfer Quantity is not reached within the time required under the CTA Procedures including by reason of the Transfer not passing Transfer Validation or the Transfer being cancelled due to systems failure, as provided for in the Capacity Transfer and Auction Timetable in the CTA Procedures.
- (b) If a Transfer Failure occurs with respect to a Gas Day:
 - (i) the Delivering Participant must pay a Capacity Variance Amount in respect of the Capacity Variance Quantity as part of its Settlement Amount for the Billing Period that includes the Gas Day on which the failure occurred; and
 - (ii) the liability of the Delivering Participant under this agreement for that failure is limited to the amount of the payment reflected in the Capacity Variance Amount.
- (c) If a Transfer Failure occurs with respect to a Gas Day:
 - (i) the Receiving Participant must pay a Capacity Variance Amount in respect of the Capacity Variance Quantity as part of its Settlement Amount for the Billing Period that includes the Gas Day on which the failure occurred; and
 - (ii) the liability of the Receiving Participant under this agreement for that failure is limited to the amount of the payment reflected in the Delivery Variance Amount.
- (d) The Operator will determine the cause and extent of Transfer Failures using information provided by Facility Operators under the CTA Procedures.
- (e) If a dispute arises as to the cause or extent of a Transfer Failure and is not resolved and the outcome notified to the Operator under clause 15.2 by the cutoff date prior to Final Statements for the relevant Billing Period, the Operator may settle on the basis of information provided to it by the Facility Operator under the CTA Procedures, subject to adjustment under clause 18 in a Revised Statement when the dispute is resolved or determined.

14A.6. Termination of Primary Facility Agreement

- (a) If a Trading Participant is the terminated primary shipper in relation to a terminated primary contract, any amount payable by the Operator to the Trading Participant under this agreement will be reduced by an amount equal to the amount of the daily service continuity payments payable by the Operator to a Facility Operator for the provision of services during the applicable service continuity period. If that amount exceeds the amount owed by the Operator to the Trading Participant, the Trading Participant must pay the balance to the Operator.
- (b) If a Facility Operator gives the Operator a primary contract termination notice under the CTA Procedures, for each affected Physical Capacity Transaction:
- (i) the Transaction Quantity will be reduced by applying the applicable adjustment factor determined under paragraph (b) for each Gas Day in the Service Term that falls after the end of the service continuity period for the affected Physical Capacity Transaction;
 - (ii) the Transaction Quantity as adjusted will be used for determining the aggregate net trading position of each Trading Participant under clause 14A.3; and
 - (iii) a Primary GTA Termination Adjustment Amount will be determined in accordance with the Settlements and Prudential Methodology in respect of the amount of the reduction and will be included in Settlement.

Note: As capacity cannot be traced, pro-rating is applied across all Transactions holding the Capacity Type affected by the termination, not just those buying from the terminated seller.

- (c) A different adjustment factor is determined for each Gas Day and each Capacity Type and applied to affected Physical Capacity Transactions for that Capacity Type. The adjustment factor is:

$$(A-B)/A$$

where:

A is the total of the Transaction Quantity for the Gas Day for all affected Physical Capacity Transactions of that Capacity Type; and

B is the Transaction Quantity for the Gas Day for each relevant primary transaction of that Capacity Type.

- (d) In this clause, the terms "terminated primary shipper", "terminated primary contract", "relevant primary transaction", "daily service continuity payment" and "service continuity period" have the meaning given in clause 10 of the CTA Procedures and:
- (i) **affected GSH product** means each Product for a Capacity Type that is the same as any of the Capacity Types comprised in a relevant primary transaction;
 - (ii) **affected Physical Capacity Transaction** means each Physical Capacity Transaction for an affected GSH Product concluded on or before the notification date and with a Service Term that includes the period after the end of the service continuity period; and
 - (iii) **notification date** means the Gas Day on which the termination of the terminated primary contract is taken to have been notified to the Operator under the CTA Procedures.

14A.7. Transfer of title and terms of use

- (a) For the purposes of this agreement, title to, risk and control of Capacity that is Transferred in accordance with this agreement passes to the Receiving Participant on Transfer Completion for that Capacity.
- (b) Each Receiving Participant acknowledges and agrees that in respect of Capacity purchased through the Exchange (including under a Pre-matched Trade):
 - (i) the terms and conditions for use for the Capacity are the terms and conditions agreed between the Receiving Participant and the relevant Transportation Service Provider;
 - (ii) no warranty or representation is made as to the availability of the Capacity for use or its priority and in particular:
 - (A) where the Capacity relates to a Zone, it may not be possible to access the Receiving Participant's preferred Service Point within the Zone or to Transfer the same quantity of Capacity to another Service Point within the Zone; and
 - (B) the Transportation Service Provider may curtail nomination and use of Capacity from time to time;
 - (iii) except to the extent expressly provided for in this agreement including the applicable Product Specification, the Operator and each Delivering Participant expressly disclaims, to the fullest extent permitted by law, any warranty, written or oral, express or implied in relation to the Capacity or Transportation Service, including without limitation any warranty as to quality, merchantability, or fitness for any particular purpose of any Capacity or Transportation Service; and
 - (iv) the right to use Capacity may be terminated by the Transportation Service Provider for reasons beyond the control of the Operator or any Delivering Participant including where the Primary Facility Agreement from which the Capacity originated is terminated.

15. DELIVERY QUANTITIES FOR SETTLEMENT OF PHYSICAL GAS TRANSACTIONS

15.1. Application

This clause 15 applies to Physical Gas Transactions.

15.2. Notification of delivered quantities

- (a) The Delivering Participant and the Receiving Participant in respect of a Delivery Quantity for delivery on a Gas Day may, at any time before:
 - (i) 9:00 am on the 14th Business Day after the end of the Billing Period in which the Gas Day falls (for a Final Statement); or
 - (ii) 9:00 am on the 1st Business Day of the 4th Billing Period after the Billing Period in which the Gas Day falls (for a Revised Statement),
 notify the Operator of the quantity of gas actually delivered and accepted on that Gas Day.
- (b) A notice under paragraph (a) supersedes any previous notice in respect of the same Delivery Quantity and must set out, in the form specified by the Operator:
 - (i) the quantity of gas delivered and accepted on that Gas Day;
 - (ii) the party responsible for any variation from the Delivery Quantity (Receiving Participant over or under receipt, Delivering Participant over or under delivery) or that neither party is responsible; and

- (iii) if the Delivering Participant or the Receiving Participant was relieved of its obligation to deliver or accept the Delivery Quantity as a result of Force Majeure in accordance with clause 25, the extent of that relief.
- (c) Unless otherwise agreed by the Delivering Participant and Receiving Participant, a party is 'responsible' for a variation if it has failed to comply with its obligations under clause 14 in respect of the delivery or acceptance (as applicable) of the Delivery Quantity, except to the extent that the party is excused from compliance with those obligations by reason of Force Majeure under clause 25.2 or for which the party is not 'responsible' due to the operation of clause 14.5.4(j) or clause 25.4.
- (d) If a notice under paragraph (a) from either the Delivering Participant or the Receiving Participant has not been confirmed by a matching notice from the other party by the time specified in paragraph (a), the Operator must disregard that notice.

15.3. Delivery Variance Quantities

The Operator will assume that the Delivery Quantity was made available for delivery by the Delivering Participant and accepted by the Receiving Participant, unless otherwise notified in accordance with clause 15.2, in which case:

- (a) the Delivering Participant has a Delivery Variance Quantity (in GJ) equal to the Delivery Quantity less the delivered quantity notified under clause 15.2(b)(i); and
- (b) the Receiving Participant has a Delivery Variance Quantity (in GJ) equal to the delivered quantity notified under clause 15.2(b)(i) less the Delivery Quantity,

and, for the avoidance of doubt, a Delivery Variance Quantity may be positive or negative.

Note: The National Gas Rules provide for the determination of amounts payable in respect of Delivery Variance Quantities, which are payable as part of the Settlement Amount for a Trading Participant.

15.4. Location Swaps

For a Location Swap Transaction, the quantity made available for delivery and accepted on each Gas Day and the Delivery Variance Quantity are determined separately for each of the Swap Receipt Point and a Swap Delivery Point. In addition, a **Net Swap Imbalance** is calculated for both the Buyer and Seller in accordance with the Rules Methodology based on the difference between the delivered quantity at the Swap Delivery Point less the delivered quantity at the Swap Receipt Point (in each case as notified under clause 15.2(b)(i)).

16. REALLOCATION

16.1. Reallocation Procedures

- (a) The Operator must develop and publish procedures (**Reallocation Procedures**) on its website, to enable Market Participants to create and record Reallocation Requests and describe the process for effecting Reallocations under this agreement.
- (b) The Operator may from time to time amend or replace the Reallocation Procedures after consulting with Market Participants using the process applicable to proposed amendments to this agreement under clauses 3.3 to 3.5.
- (c) The Operator is not required to meet its obligations under this clause 16 in any way which increases the Operator's risks in the collection of monies owed to it under or in respect of this agreement.

16.2. Request and registration

- (a) A Reallocation is initiated by a Reallocation Request lodged with the Operator by or on behalf of two Market Participants who have satisfied all eligibility requirements under the Reallocation Procedures, which may include entering into an agreement with the Operator in respect of the Reallocation process.
- (b) A Reallocation Request must contain the information required by the Reallocation Procedures and be lodged with the Operator in accordance with the Reallocation Procedures.
- (c) The Operator may refuse to register a Reallocation Request if:
 - (i) a Default Event has occurred and is subsisting in respect of either of the parties to that request; or
 - (ii) either party would be in breach of any applicable prudential requirements under clause 9 if the request were registered.
- (d) Otherwise, the Operator must register a valid Reallocation Request within the time specified in the Reallocation Procedures and may impose conditions on registration as contemplated by the Reallocation Procedures.

16.3. Reallocations

- (a) The Operator must effect a Reallocation in accordance with a registered Reallocation Request in respect of each Gas Day to which that request relates. Where there is a registration of the Reallocation Request in respect of the Gas Day and that Gas Day has occurred, then a Reallocation occurs in accordance with that Reallocation Request.
- (b) The Operator must include details of Reallocation Transactions in the Settlement Statements issued to the parties to those Reallocation Transactions.

16.4. Reversal and Deregistration

- (a) The parties to a Reallocation Request may reverse the effect of that request by lodging a new Reallocation Request in accordance with the Reallocation Procedures.
- (b) The Operator may deregister a Reallocation Request in respect of a Gas Day that has not yet occurred if:
 - (i) either of the parties to that request fails to comply with any conditions imposed by the Operator in respect of the Reallocation Request at the time it was registered;
 - (ii) either of the parties is in breach of the prudential requirements applicable to it under clause 9; or
 - (iii) a Default Event occurs and is subsisting in respect of either of the parties.
- (c) The Operator may only deregister a Reallocation Request in accordance with the Reallocation Procedures and, in deciding to exercise its discretion under paragraph (b), must have regard to the effect of deregistration on the Prudential Exposure of any Market Participant.
- (d) On deregistration of a Reallocation Request, it ceases to have effect (and no further Reallocations will occur) in respect of any Gas Day starting at or after the time of deregistration.

16.5. Effect on Prudential Exposure

In addition to any other right the Operator may exercise following a Default Event, upon deregistration of a Reallocation Request the Operator may recalculate the Prudential Exposure for either or both of the parties to the Reallocation Request.

17. SETTLEMENTS

17.1. Scope

The Operator must manage Settlements in accordance with this clause 17.

17.2. Settlement Facilities

- (a) Subject to paragraph (b), the Operator and all Market Participants must use the Austraclear electronic cash transfer system for the payment of amounts specified in Final Statements.
- (b) The Operator must ensure that an electronic funds transfer facility is made available to all Members and the Operator for use:
 - (i) if the Austraclear system is not available for Settlement;
 - (ii) where agreed or determined by the Operator for the payment of ad hoc amounts under this agreement between the Operator and a Trading Participant; or
 - (iii) for the payment by Viewing Participants of amounts invoiced under clause 18.8.

17.3. Calculation of Settlement Amounts

17.3.1. Requirement for Settlements and Prudential Methodology

- (a) The Operator must establish a methodology for the calculation of Settlement Amounts payable under this agreement, together with the calculation of Prudential Exposure under clause 9.4.1 (**Settlements and Prudential Methodology**).
- (b) The Settlements and Prudential Methodology may be contained in the same document as the Rules Methodology.
- (c) The Operator may amend the Settlements and Prudential Methodology after consulting with Market Participants using the process applicable to proposed amendments to this agreement under clauses 3.3 to 3.5.
- (d) If the Settlements and Prudential Methodology is contained in the same document as the Rules Methodology, the Operator must also comply with any additional requirements in the National Gas Rules applicable to the amendment of the Rules Methodology.

17.3.2. Definitions

The terms set out in the table below have the meanings given to them in the table.

Term	Definition
Capacity Transaction Amount	An amount payable in respect of a Gas Day, representing the Transaction Price multiplied by the Transaction Quantity under all Physical Capacity Transactions for which the Delivery Period includes all or part of that Gas Day where the Trading Participant is the Buyer (in which case the amount is payable by the Trading Participant to the Operator) or the Seller (in which case the amount is payable by the Operator to the Trading Participant).

Term	Definition
Capacity Variance Amount	An amount payable by or to a Delivery Participant or a Receiving Participant in respect of its Capacity Variance Quantities in respect of a Gas Day, calculated in accordance with the Rules Methodology.
Close Out Amount	An amount payable by or to a Trading Participant in respect of a Close Out Quantity or a Close Out Location Swap Quantity in respect of a Gas Day, calculated in accordance with the Rules Methodology.
Delivery Variance Amount	An amount payable by or to a Delivering Participant or a Receiving Participant in respect of its Delivery Variance Quantities (and, in the case of a Location Swap, any Net Swap Imbalance) in respect of a Gas Day, calculated in accordance with the Rules Methodology.
GTA Termination Adjustment Amount	An amount payable in respect of an affected Physical Capacity Transaction (as defined in clause 14A.6(d)).
GTA Termination Adjustment	A reduction applied, or an amount payable, in accordance with clause 14A.6(a) (applied to a terminated primary shipper in relation to a terminated primary contract).
Low Pressure Settlement Adjustment Amount	An amount applied to the Physical Gas Amounts of the Delivering Participant and the Receiving Participant in a delivery pair for a Gas Day in respect of the Delivery Quantity for that delivery pair for that Gas Day, but only where: <ul style="list-style-type: none"> (a) the delivery pair is determined by the application of Delivery Matching under clause 14.7.4; and (b) schedule 2 or 3 (as applicable) specifies that the Delivery Point for the delivery pair is one to which the Low Pressure Settlement Adjustment applies.
Offset Amount	An amount payable by or to a defaulting Trading Participant in respect of an Offset Quantity in respect of a Gas Day, calculated in accordance with the Rules Methodology.
Physical Gas Amount	An amount payable in respect of a Gas Day, representing the Transaction Price multiplied by the Transaction Quantity under all Physical Gas Transactions for which the Delivery Period includes all or part of that Gas Day, where the Trading Participant is the Buyer (in which case the amount is payable by the Trading Participant to the Operator) or the Seller (in which case the amount is payable by the Operator to the Trading Participant) as may be adjusted by a Low Pressure Settlement Adjustment Amount for that Gas Day.
Reallocation Amount	An amount representing the Dollar Reallocation Amounts and the amounts payable for Energy Reallocation Quantities debited to a Market Participant (in which case the amount is payable by the Market Participant to the Operator) or credited to a Market Participant (in which case the amount is payable by the Operator to the Market Participant) in respect of a Gas Day.
Settlement Amount	A net aggregate amount for a Market Participant in respect of a Billing Period – see clause 17.3.3(b).

17.3.3. Required content and principles for determining Settlement Amounts

- (a) The Settlements and Prudential Methodology must set out a detailed calculation methodology, which may take the form of equations, to be applied in determining, for each Market Participant:

- (i) the Physical Gas Amounts, Capacity Transaction Amounts, Reallocation Amounts, Offset Amounts, Low Pressure Settlement Adjustment Amounts and Exchange Fees referable to each Gas Day in a Billing Period;
 - (ii) the Settlement Amount for a Billing Period.
- (b) The Settlement Amount for a Market Participant for a Billing Period is to be calculated as the amount payable by the Operator to the Market Participant, or by the Market Participant to the Operator, after aggregating and netting its Physical Gas Amounts, Capacity Transaction Amounts, Reallocation Amounts, Delivery Variance Amounts, Offset Amounts, Close Out Amounts and Exchange Fees for each Gas Day in the Billing Period, and any other amounts payable by or to that Market Participant in relation to the Exchange for the Billing Period.

18. BILLING AND PAYMENT

18.1. Final Statements

- (a) For the purposes of preparing Final Statements, the cut-off time for Trading Participants to provide the Operator with information relating to obligations performed under Transactions in a Billing Period is 9:00 am on the 14th Business Day after the end of that Billing Period.
- (b) By the 15th Business Day after the end of each Billing Period, the Operator must make available to each Market Participant a Final Statement stating the net amount payable by or to that participant on the payment date for that Final Statement, being the Settlement Amount for that Billing Period, adjusted by:
 - (i) any adjustments payable under clause 18.6 in respect of a previous Billing Period; and
 - (ii) the application of any security deposit balance under clause 9.3(d).
- (c) Each Final Statement must be accompanied by supporting data that is sufficient to enable each Market Participant to audit the calculation of the net amount payable.
- (d) If the net amount payable by or to a Market Participant for a Billing Period is less than \$10, that amount is taken to be zero (that is, no payment is to be made by or to the Operator).

18.2. Payment obligations

- (a) By 12 noon on the 17th Business Day after the end of a Billing Period or 12 noon on the 2nd Business Day after a Final Statement is made available under clause 18.1, whichever is the later, each Market Participant must pay to the Operator in cleared funds the net amount stated to be payable to the Operator by that participant in its Final Statement, whether or not the Market Participant disputes the amount payable.
- (b) By 2:00 pm on the payment date under paragraph (a), the Operator must pay to each Market Participant in cleared funds the net amount stated to be payable to that participant in its Final Statement, if at that time the maximum total payment determined under clause 18.7(a) is not less than the aggregate of the net amounts payable to all Market Participants.
- (c) If the maximum total payment determined under clause 18.7(a) as at 2:00 pm on the payment date under clause 18.2 is less than the aggregate of those net amounts, the Operator must pay to each Market Participant the reduced amount determined under clause 18.7(c) by 4:00 pm on the same date.
- (d) If the Operator receives payments in respect of Final Statements from Market Participants after 2:00 pm on the payment date under clause 18.2, the Operator must pay the sum of

those payments received (including amounts received in respect of interest) as soon as reasonably practicable to those Market Participants whose net payment amounts were reduced under clause 18.7(c), in the proportions in which those amounts were reduced. (

- (e) The Operator and each Market Participant must submit any matching receipt details required to enable another party to make a payment under this clause through the Austraclear system.

18.3. Settlement queries on Final Statements

A Market Participant may notify the Operator of a query concerning the net amount payable in a Final Statement before the cut-off time for Revised Statements under clause 18.4(a), and the Operator and the Market Participant must each use reasonable endeavours to resolve that query before that cut-off time.

18.4. Revised Statements

- (a) For the purposes of preparing Revised Statements, the cut-off time for Trading Participants to provide the Operator with information relating to obligations performed under Transactions in a Billing Period is 9:00 am on the 1st Business Day of the 4th Billing Period after the end of that Billing Period.
- (b) By the 2nd Business Day of the 4th Billing Period after each Billing Period, the Operator must make available to each Market Participant a Revised Statement in respect of that Billing Period, based on the most recent information provided to the Operator as at the cut-off time under paragraph (a) and taking into account the outcome of any disputes resolved in respect of the Final Statement for that Billing Period.
- (c) Each Revised Statement (including any further Revised Statement issued under clause 18.5) must:
 - (i) set out the revised amounts payable by or to the Market Participant for the relevant Billing Period;
 - (ii) set out the amount of the adjustment to the net amount payable under the Final Statement for that Billing Period, plus interest at the Interest Rate, calculated as simple interest on a daily basis, for the period commencing on the day after the payment date for that Final Statement and ending on the payment date applicable to the Revised Statement, but taking into account any adjustments previously made as a result of an earlier Revised Statement for the same Billing Period; and
 - (iii) include supporting data that is sufficient to enable each Market Participant to audit the calculation of any adjustment to its net amount payable.

18.5. Disputes on Revised Statements

- (a) A dispute in respect of the net amount payable for a Billing Period after adjustment in accordance with a Revised Statement:
 - (i) may only be raised on the basis that the Operator has made an error in calculation or has not used the correct information validly provided to it in accordance with this agreement; and
 - (ii) must be notified by the relevant Market Participant to the Operator under clause 21 within 30 Business Days after the date on which the Operator made the Revised Statement available to the Market Participant.

- (b) To avoid doubt, a Revised Statement cannot be disputed, and the relevant net amount payable will not be revised, on the basis that the information provided to the Operator under clause 18.4(a) contained an error. Nothing in this clause prevents a Trading Participant from initiating a dispute with any other Trading Participant under clause 21 in relation to a Transaction.
- (c) If a dispute under this clause is resolved in a way that causes the adjusted net amount payable for a Billing Period to differ from the amount calculated under the disputed Revised Statement, the Operator must, within 5 Business Days of the resolution of that dispute, make a further Revised Statement available to each Market Participant affected by the resolution of the dispute.

18.6. Payment of adjustments

- (a) Payment of an adjustment under a Revised Statement is due on the next Final Statement payment date which occurs 10 or more Business Days after the date on which that Revised Statement is made available to the Market Participant.
- (b) The Operator must apply the adjustment to the net amount stated to be payable to or by the Market Participant in respect of the relevant Final Statement on the payment date, and for the avoidance of doubt clause 18.2 applies to the payment of adjustments.

18.7. Maximum total payment in respect of a Billing Period

- (a) For the purposes of this clause 18, the maximum total payment by the Operator in respect of a Billing Period is determined in accordance with the maximum total payment calculation in clause 22 of the CTA Procedures.
- (b) Any payment received or applied by the Operator in respect of a Market Participant for a Billing Period is taken to be made, and may be applied by the Operator, in satisfaction of the Exchange Fees payable to the Operator by that Market Participant (as specified in the relevant final or Revised Statement issued to that Market Participant) before it is applied by the Operator in satisfaction of any other obligation or liability.
- (c) If the maximum total payment in respect of a Billing Period is not sufficient to meet the aggregate of the net amounts payable by the Operator to each of the Market Participants to whom payments are to be made in respect of the Billing Period, then the amount payable by the Operator to each relevant Market Participant in respect of that Billing Period is reduced by applying the adjustment determined under clause 22 of the CTA Procedures.

18.8. Payment by Other Members

- (a) The Operator must invoice each Viewing Participant for Exchange Fees and any other amounts payable by that Viewing Participant to the Operator under this agreement from time to time.
- (b) Amounts invoiced under paragraph (a) are due for payment on the date specified in the invoice, which must not be less than 20 Business Days after the date of the invoice.

18.9. Interest on overdue amounts

- (a) A Market Participant must pay interest on any unpaid moneys due and payable by it under this agreement at the Interest Rate, calculated as simple interest on a daily basis, for the period commencing on the date payment was due and ending on the date payment is made.

- (b) The Operator must pay interest on any unpaid moneys due and payable by it under this agreement at the Interest Rate, calculated as simple interest on a daily basis, for the period commencing on the date payment was due and ending on the date payment is made.

18.10. Application of GST

- (a) In this clause, the terms "adjustment event", "GST", "GST law", "recipient", "recipient created tax invoice", "supply", "supplier", "tax invoice" and "taxable supply" have the meanings given to them in the A New Tax System (Goods and Services) Tax Act 1999 of the Commonwealth (**GST Act**).
- (b) All monetary amounts payable determined, published or notified under, or referred to in, this agreement (including Exchange Fees) exclude GST.
- (c) A Settlement Statement or invoice issued in relation to a taxable supply made under or in connection with this agreement must set out the amount of GST in respect of that supply.
- (d) If a party (**the supplier**) is required to pay GST in respect of a supply made under or in connection with (including by reason of a breach of) this agreement, the recipient must (in addition to any other payment for, or in connection with, the supply) pay to the supplier an amount equal to such GST (**GST gross-up**). Notwithstanding any other clause in this agreement, GST is only payable subject to the provision of a valid tax invoice or recipient created tax invoice (as applicable).
- (e) For the purposes of Subdivision 153-B of the GST Act, this agreement constitutes an arrangement under which, on behalf of Market Participants, the Operator is facilitating supply and acquisition of gas and related products and services to and from other Market Participants, including by receiving and making payments on its own account as provided for in this agreement. Market Participants and the Operator agree that:
- (i) Market Participants will be treated under GST law as making supplies to the Operator to the extent that Market Participants are Sellers in respect of Transactions (including, where Delivery Netting applies, as Delivering Participants in respect of Delivery Quantities) and Market Participants will not issue tax invoices and adjustment notes to other Market Participants with respect to those supplies;
 - (ii) the Operator will be treated under GST law as making supplies to Market Participants to the extent that Market Participants are Buyers in respect of Transactions (including, where Delivery Netting applies, as Receiving Participants in respect of Delivery Quantities) and the Operator will issue tax invoices and adjustment notes in its own name to those Market Participants; and
 - (iii) the Operator and each Market Participant must be and remain registered for GST.
- (f) If a GST gross-up is payable, then:
- (i) the Operator will issue a recipient created tax invoice to Market Participants who are treated under GST law as making a supply to the Operator;
 - (ii) subject to the recipient created tax invoice agreement between the Operator and each Market Participant, the supplier must give the recipient a tax invoice for the supply (including when the Operator is treated under GST law as making a supply); and
 - (iii) a tax invoice or recipient created tax invoice issued by the Operator may be in the form of the Settlement Statement.
- (g) If any payment to be made to a party under or in connection with this agreement is a reimbursement or indemnification of an expense or other liability incurred or to be incurred by that party, then the amount of the payment must be reduced by the amount of any

input tax credit to which that party is entitled for that expense or other liability, such reduction to be effected before any GST gross-up.

- (h) If an adjustment event has occurred in respect of a supply made under or in connection with this agreement and is not otherwise taken into account in the calculation of Settlement Statements, any party that becomes aware of the occurrence of that adjustment event must notify the Operator (or in the case of the Operator, the affected parties) as soon as practicable, and the parties agree to take whatever steps are necessary (including to issue an adjustment note), and to make whatever adjustments are required, to ensure that any GST or additional GST on that supply, or any refund of GST, is paid no later than 20 Business Days after the supplier first becomes aware that the adjustment event has occurred.
- (i) Nothing in this clause 18.10 constitutes the Operator the agent of any Market Participant for the purposes of this agreement.

18.11. Combined Settlement Statements

- (a) This clause applies to an Exchange Member who is also a party to an Auction Agreement.
- (b) AEMO must, in accordance with the Exchange Member's Auction Agreement, issue to the Exchange Member a combined settlement statement covering amounts owed by or to the Exchange Member under this Agreement and the Auction Agreement and those amounts will be subject to netting and must be paid as provided for in the Auction Agreement (in place of clauses 18.2, 18.6 and 18.7).
- (c) The issue of a combined settlement statement in accordance with clause 18.11(b) discharges AEMO's obligations to the Exchange Member to issue separate statements for the relevant Billing Period under this agreement.

19. SUSPENSION OF ACCESS TO TRADING SYSTEM (TRADING HALT)

19.1. Suspension Events

Each of the following events is a Suspension Event in relation to a Member:

- (a) the Operator has issued a Margin Call to that Member which remains outstanding; or
- (b) there has been a material breach by the Member of any provision of the agreement which the Operator has by notice to the Member required the Member to remedy and which remains unremedied at the expiry of the period specified in the notice (being not shorter than 2 Business Days); or
- (c) a Default Event has occurred in relation to the Member and is subsisting; or
- (d) the Operator has reasonable grounds to believe the Member is no longer eligible to be a Member or to trade in a Product, and the Member has failed to give the Operator information to verify its continued eligibility within 2 Business Days of the Operator requesting that information from the Member; or
- (e) in respect of any obligation of a Trading Participant to deliver or accept delivery of Physical Gas under this agreement, the Operator has reasonable grounds to believe that the amount of the Delivery Variance Quantity for which that Trading Participant is responsible is equal to 25% or more of the Delivery Quantity, and such an event has occurred on three or more occasions in any rolling six month period without reasonable explanation; or
- (f) in respect of a Broker Participant, the Broker Participant has submitted or confirmed a Broker Pre-matched Trade with a Trading Participant and has not submitted or confirmed a

matching Broker Pre-matched Trade with another Trading Participant in accordance with clause 13.3.

19.2. Reasons for Trading Halt

- (a) Subject to clause 19.4, the Operator may impose a Trading Halt on a Member by suspending or limiting the Member's access to or use of the Trading System:
 - (i) if a Suspension Event has occurred in relation to the Member; or
 - (ii) under another provision of this agreement that allows the Operator to suspend or limit the Member's access to the Trading System; or
 - (iii) at the request of the Australian Energy Regulator in connection with any investigation of an alleged breach of the Market Conduct Rules; or
 - (iv) in order to comply with an order or instruction from any other Authority.
- (b) In determining whether to impose a Trading Halt under paragraph (a)(i) or (ii), the Operator must consider whether there is an increased risk to the market of default or disruption arising from the continued participation of the Member and the extent to which a Trading Halt may mitigate that risk, having regard to all relevant circumstances including:
 - (i) the cause, severity and effect of any applicable Suspension Event;
 - (ii) the steps taken by the Member to remedy the event or circumstances and to prevent reoccurrence;
 - (iii) the availability and effectiveness of any other available measures (such as a recalculation of Prudential Exposure) to mitigate any increased risk.

19.3. Effect of Trading Halt

- (a) During a Trading Halt, a Member's access to and use of the Trading System may be suspended in whole or in part, and the Operator may vary the extent of the suspension at any time having regard to subsequent events or circumstances.
- (b) As far as reasonably practicable, the extent of a suspension should be commensurate with the nature and extent of the matter giving rise to the suspension, provided that nothing in this clause requires the Operator to allow a suspended Trading Participant to submit Orders.
- (c) A part suspension includes suspension with respect to the trading of specific Products or with respect to trading only (such that the Member can still view information on the Trading System), or restrictions relating to submission of particular Orders, types of Orders or Reallocation Requests.
- (d) The Operator may:
 - (i) withdraw or cancel any Order submitted by a Member who is subject to a Trading Halt, whether the Order was submitted before or after the Trading Halt commenced; and
 - (ii) remove any Pre-matched Trades or Broker Pre-matched Trades to which the Member is a party from the Trading System.
- (e) A Member who is subject to a Trading Halt must continue to perform its obligations under this agreement (including its obligations with respect to delivery and payment).

19.4. Notice requirements

The Operator must notify the Member before, or as soon as reasonably practicable after, imposing a Trading Halt or varying the extent of the related suspension, specifying:

- (a) the reason for the Trading Halt;
- (b) the extent of the suspension, including the Product or Products in respect of which the suspension applies; and
- (c) the commencement time of the Trading Halt.

19.5. Resuming access

- (a) Except in circumstances where the Operator has issued a termination notice under clause 20.4, the Operator must permit a Member to resume access to and use of the Trading System as soon as reasonably practicable after the Operator is reasonably satisfied that:
 - (i) the circumstances giving rise to the Trading Halt no longer apply; or
 - (ii) the circumstances, acts or omissions giving rise to the Trading Halt do not warrant continued suspension, and the Member has made reasonable arrangements to ensure that similar circumstances, acts or omissions will not reoccur.
- (b) The Operator must notify the Member of the date and time at which a Trading Halt ends.
- (c) The Operator may, in accordance with the Settlements and Prudential Methodology, recalculate the Prudential Exposure of a Trading Participant at the commencement of a Trading Halt.

20. DEFAULT AND TERMINATION

20.1. Default Events (Market Participants)

Each of the following events is a Default Event in relation to a Market Participant (as applicable):

- (a) the Market Participant does not pay an amount due for payment by it to the Operator under this agreement, or fails to comply with a Margin Call in accordance with clause 9.4.2, by the appointed time on the due date;
- (b) the Operator does not receive payment in full of any amount claimed by the Operator under any Credit Support in respect of the Market Participant, within 90 minutes after the due time for payment of that claim;
- (c) the Market Participant admits to the AER that it has breached, or is declared by a court to have breached, the Market Conduct Rules, and the Operator reasonably considers that:
 - (i) the breach is ongoing and is likely to have a material adverse effect on trading on the Exchange; and
 - (ii) the Market Participant is unlikely to remedy or remove the circumstances leading to that breach within a reasonable period of time;
- (d) the Market Participant ceases to meet the criteria for registration in the relevant participation category under clause 6;
- (e) a representation made or repeated or deemed to have been made or repeated by the Market Participant under clause 23.2 and 23.3 of this agreement proves to have been incorrect or misleading in any material respect when made or repeated or deemed to have been made or repeated;

- (f) the Market Participant or its Credit Support Provider ceases or is likely to cease to carry on its business or a substantial part of its business;
- (g) the Market Participant or its Credit Support Provider enters into or takes any action to enter into an arrangement (including a scheme of arrangement), composition or compromise with, or assignment for the benefit of, all or any class of their respective creditors or members, or a moratorium involving any of them;
- (h) the Market Participant or its Credit Support Provider states that it is unable to pay from its own money its debts as and when they fall due for payment;
- (i) a receiver or receiver and manager is appointed in respect of any property of the Market Participant or its Credit Support Provider;
- (j) an administrator, provisional liquidator, liquidator, trustee in bankruptcy or person having a similar or analogous function is appointed in respect of the Market Participant or its Credit Support Provider;
- (k) an order is made, or a resolution is passed, for winding up the Market Participant or its Credit Support Provider;
- (l) a notice under section 601AB(3) of the Corporations Act is given to the Market Participant or its Credit Support Provider, unless the registration of that Market Participant or Credit Support Provider is reinstated under section 601AH of that Act;
- (m) the Market Participant or its Credit Support Provider dies or is dissolved and the notice of dissolution is not discharged;
- (n) the Market Participant or its Credit Support Provider is taken to be insolvent or unable to pay its debts under any applicable legislation;
- (o) If the Market Participant is also a party to an Auction Agreement, a Default Event (as defined in the Auction Agreement) occurs in relation to the Market Participant under the Auction Agreement.

20.2. Default Events (Viewing Participants)

Each of the following events is a Default Event in relation to a Viewing Participant:

- (a) the Viewing Participant does not pay an amount due for payment by it to the Operator under this agreement by the appointed time on the due date;
- (b) an event occurs with respect to that that Viewing Participant which would be a Default Event under paragraphs (d) to (n) of clause 20.1 if it occurred in respect of a Market Participant.

20.3. Default Notice

- (a) Where a Default Event has occurred in relation to a Member, the Operator may, in addition to exercising any other rights under this agreement, issue a Default Notice to the Member.
- (b) A Default Notice issued by the Operator under this agreement must specify:
 - (i) the nature of the Default Event; and
 - (ii) the period within which the Member must remedy the Default Event, being 24 hours unless the Operator considers it reasonable to allow a longer remedy period in all the circumstances.
- (c) The Operator must revoke a Default Notice if:
 - (i) the Default Event is remedied within the time specified in the Default Notice; and

- (ii) there are no other circumstances which would entitle the Operator to issue a Default Notice.

20.4. Consequences of failure to comply with Default Notice

If a Default Event is not remedied by the time specified in the Default Notice, or if the Operator receives notice from the defaulting Member that it is not likely to remedy the Default Event, then the Operator may do any or all of the following:

- (a) give notice to terminate this agreement in respect of the Member under clause 4.3(c), publish a statement on its website that the notice has been given and, if the defaulting Member is a Trading Participant, apply the close out and offset provisions under clause 20.5;
- (b) if it has not already done so, make a claim upon any Credit Support held in respect of the Member in accordance with clause 9.2.5(a), deregister any applicable Reallocation Requests for a Gas Day which has not yet occurred and remove any Pre-matched Trades or Broker Pre-matched Trades to which the Member is a party from the Trading System;
- (c) calculate a provisional statement for the Member in respect of all or any part of its Prudential Exposure and require payment of the amount in the provisional statement within 2 Business Days of the issue of that statement;
- (d) apply any credit balance of the Member in the security deposit account against any provisional statement amount;
- (e) withhold the payment of any amount otherwise due by the Operator to that Member under this agreement until the relevant liabilities of that Member have been finally determined; and
- (f) set off any amount payable by the Operator in respect of a Close Out Quantity against any other amount payable by the Trading Participant to the Operator, whether or not arising under this agreement.

20.5. Close out and offset procedure for Physical Gas

20.5.1. General provisions for application of close out and offset

- (a) In this clause 20.5, the **Defaulting Participant** is the Trading Participant in relation to which the Default Event occurred.
- (b) At the time of giving a termination notice to a Defaulting Participant under clause 20.4(a), or as soon as reasonably practicable afterwards, the Operator must give a Close Out Notice to the Defaulting Participant that close out and offset will apply to that Trading Participant with effect on and from a Gas Day specified in the Close Out Notice (Close Out Effective Date), which must be a Gas Day commencing at or after the time of the Close Out Notice and within 5 Business Days after the termination notice.
- (c) The close out and offset arrangements in this clause for Forward Gas Transactions (other than Location Swap Transactions) apply to, and are to be determined separately in respect of:
 - (i) the Close Out Effective Date and each subsequent Gas Day for which there is a Forward Gas Transaction with a Delivery Period that includes that Gas Day and to which the Defaulting Participant is a party (in this clause 20.5, a **relevant Gas Day**); and
 - (ii) each Trading Location, taking into account Forward Gas for delivery at all Delivery Points comprised in the Trading Location on a relevant Gas Day (other than Pre-

matched Trades and Broker Pre-matched Trades, which are to be cancelled by the Operator),

and a **relevant Transaction** is one which is to be taken into account in accordance with this paragraph (c).

- (d) The close out arrangements in this clause apply to all Location Swap Transactions to which the Defaulting Participant is a party and with a Delivery Period that includes the Close Out Effective Date and any subsequent Gas Day. A relevant Location Swap Transaction is one to which close out applies in accordance with this paragraph (d).
- (e) As soon as practicable after giving a Close Out Notice to a Defaulting Participant, the Operator must inform all other Trading Participants who are parties to relevant Transactions or relevant Location Swap Transactions, but any failure or delay in doing so will not affect the application of this clause.
- (f) If there is more than one Defaulting Participant in respect of any relevant Gas Day, the close out and offset arrangements will be applied sequentially for each Defaulting Participant, starting with the Defaulting Participant for whom the Close Out Notice was first given. For this purpose the Operator may modify the arrangements to the extent that the Operator considers fair and reasonable in order to achieve a result which is consistent with the principles underlying this clause 20.5.

20.5.2. Offset Quantity and Close Out Quantity

- (a) The total quantity to be offset for a relevant Gas Day at a Trading Location (**Offset Quantity**) is the lesser of TQS and TQB, where
 - TQS is the total of the Transaction Quantities for relevant Transactions in which the Defaulting Participant is the Seller; and
 - TQB is the total of the Transaction Quantities for relevant Transactions in which the Defaulting Participant is the Buyer.
- (b) The total quantity which is subject to close out for a relevant Gas Day at a Trading Location in respect of relevant Transactions (**Close Out Quantity**) is the absolute value of $TQS - TQB$.
- (c) The quantity which is subject to close out for a relevant Gas Day in respect of relevant Location Swap Transactions (**Close Out Location Swap Quantity**) is calculated separately for each relevant Location Swap Transaction and equals the Transaction Quantity for the relevant Location Swap Transaction.

20.5.3. Offset and close out for net receipts

- (a) This clause 20.5.3 applies for a relevant Gas Day at a Trading Location only if the Offset Quantity is equal to TQS. TQS and TQB have the meanings set out in clause 20.5.2(a) when used in this clause.
- (b) The Operator must calculate a sell reduction factor (SRF) for the Gas Day and Trading Location as follows:
- (c) $SRF = \text{Close Out Quantity} / TQB$.
- (d) For each relevant Transaction for which the Defaulting Participant is the Buyer:
 - TQR is the reduction to the Transaction Quantity made in respect of the Seller, equal to the Transaction Quantity multiplied by SRF and rounded to the nearest whole GJ; and

ATQ is the Transaction Quantity in respect of the Seller after adjustment, equal to the original Transaction Quantity less TQR.

- (e) For each Transaction referred to in clause 20.5.3(d):
 - (i) the obligation of the Seller to deliver the Transaction Quantity is terminated and replaced by an obligation to deliver a Delivery Quantity equal to ATQ on the same Gas Day, subject to clause 20.5.6;
 - (ii) the Transaction Quantity to be used for Settlement purposes for that Gas Day will be equal to ATQ; and
 - (iii) the obligations of the Defaulting Participant to accept delivery of the Transaction Quantity on that Gas Day and to pay the Operator for the corresponding Commodity are terminated.
- (f) For each relevant Transaction in which the Defaulting Participant is the Seller:
 - (i) the obligation of the Defaulting Participant to make the Transaction Quantity available for Delivery on that Gas Day and the obligation of the Operator to pay the Defaulting Participant for the corresponding Commodity are terminated; and
 - (ii) the Buyer must accept delivery of the Transaction Quantity on that Gas Day in the manner provided for in clause 20.5.6.

20.5.4. Offset and close out for net deliveries

- (a) This clause 20.5.4 applies for a relevant Gas Day at a Trading Location only if the Offset Quantity is equal to TQB. TQS and TQB have the meanings set out in clause 20.5.2(a) when used in this clause.
- (b) The Operator must calculate a buy reduction factor (BRF) for the relevant Gas Day and Trading Location as follows:
- (c) $BRF = \text{Close Out Quantity} / TQS$
- (d) For each relevant Transaction in which the Defaulting Participant is the Seller:

TQR is the reduction to the Transaction Quantity made in respect of the Buyer, equal to the Transaction Quantity multiplied by BRF, rounded to the nearest whole GJ; and

ATQ is the Transaction Quantity in respect of the Buyer after adjustment, equal to the original Transaction Quantity less TQR.
- (e) For each Transaction referred to in clause 20.5.4(d):
 - (i) the obligation of the Buyer to accept delivery of the Transaction Quantity is terminated and replaced by an obligation to accept delivery of a Delivery Quantity equal to ATQ on the same Gas Day, subject to clause 20.5.6;
 - (ii) the Transaction Quantity to be used for Settlement purposes for that Gas Day will be equal to ATQ; and
 - (iii) the obligation of the Defaulting Participant to make the Transaction Quantity available for delivery on that Gas Day and the obligation of the Operator to pay the Defaulting Participant for the corresponding Commodity are terminated.
- (f) For each relevant Transaction in which the Defaulting Participant is the Buyer:
 - (i) the obligations of the Defaulting Participant to accept delivery of the Transaction Quantity and to pay the Operator for the corresponding Commodity are terminated; and

- (ii) the Seller must deliver the Transaction Quantity on that Gas Day in the manner provided for in clause 20.5.6.

20.5.5. Acknowledgment

If an Offset Amount or Close Out Amount is payable in respect of a Defaulting Participant in relation to a Transaction, and that amount is paid by or set off in respect of that Defaulting Participant in Settlement, the other party to that Transaction has no claim or remedy against the Defaulting Participant under this agreement referable to the same Transaction.

20.5.6. Delivery of Offset Transactions

- (a) For each relevant Gas Day, the delivery or receipt obligations of each party to a relevant Transaction (other than the Defaulting Participant), as adjusted under clause 20.5.3 or 20.5.4, are to be included in Delivery Netting where it applies to the relevant Transaction.
- (b) Where Delivery Netting does not apply to a relevant Transaction, or the Operator does not complete Delivery Netting for the applicable Trading Location and Gas Day, the Operator must determine an offset delivery schedule to provide for delivery of the Offset Quantity at each Trading Location, in accordance with the following principles:
 - (i) the Operator will determine a set of delivery pairs, each comprising one Seller and one Buyer, and will allocate a portion of the Offset Quantity to each delivery pair;
 - (ii) the Transaction Quantity in a relevant Transaction can be allocated across more than one delivery pair;
 - (iii) the quantity allocated to each delivery pair (the **Offset Transaction Quantity**) must be to the nearest whole GJ; and
 - (iv) the offset delivery schedule should not require any Trading Participant to deliver, or accept delivery of, a quantity of gas at a Trading Location on any Gas Day that is greater than the quantity that (but for offset and close out) it would otherwise have been required to deliver or accept.
- (c) As soon as reasonably practicable after determining an offset delivery schedule for a relevant Gas Day at a Trading Location, the Operator must notify the following information to each Trading Participant (other than the Defaulting Participant) that is a party to a relevant Transaction:
 - (i) the delivery pairs to which the Trading Participant has been allocated as Buyer or Seller;
 - (ii) the identity of the other Trading Participant in each such delivery pair;
 - (iii) for each delivery pair, the Offset Transaction Quantity and the Delivery Point
- (d) Where the Operator has notified a Trading Participant that it is part of a delivery pair, that Trading Participant must make the Offset Transaction Quantity available for delivery, or accept delivery of that quantity (as applicable) in accordance with clauses 14 and 15 of this agreement, and for those purposes:
 - (i) the Offset Transaction Quantity is taken to be the Delivery Quantity;
 - (ii) the Seller in a delivery pair is taken to be the Delivering Participant; and
 - (iii) the Buyer in a delivery pair is taken to be the Receiving Participant.

20.5.7. Worked example of close out and offset

- (a) M is in default. Gas Day D+2 is determined to be the Close Out Effective Date. For that Gas Day the Operator identifies the following transactions due for delivery at the QGP Trading Location:
- (i) Transaction 1: N as Seller to deliver 8 TJ to M as Buyer at \$5/GJ
 - (ii) Transaction 2: O as Seller to deliver 12 TJ to M as Buyer at \$6/GJ
 - (iii) Transaction 3: M as Seller deliver 4 TJ to P as Buyer at \$4/GJ
 - (iv) Transaction 4: M as Seller to deliver 6 TJ to Q Buyer at \$6/GJ
 - (v) Transaction 5: M as Seller in a Location Swap with R for 7 TJ at \$0.50/GJ.
- (b) Operator determines Offset Quantity, Close Out Quantity and Close Out Location Swap Quantity (clause 20.5.2):
- (i) TQS under Transactions 3 and 4 equals 10 TJ, TQB under Transactions 1 and 2 equals 20TJ
 - (ii) Offset Quantity is the lesser of the two, ie 10 TJ
 - (iii) Close Out Quantity is the absolute value of TQS-TQB, ie 10 TJ.
 - (iv) Close Out Location Swap Quantity is 7 TJ.
- (c) Operator determines adjusted Transaction Quantities (clause 20.5.3 or 20.5.4):
- (i) M is a net Buyer, therefore clause 20.5.3 applies
 - (ii) SRF is 10/20 (0.5)
 - (iii) Transaction 1: N's Transaction Quantity is adjusted down to 4 TJ, leaving 4 TJ to be closed out
 - (iv) Transaction 2: O's Transaction Quantity is adjusted down to 6 TJ, leaving 6 TJ to be closed out. M's obligations under the Transaction are terminated
 - (v) Transactions 3 and 4: No change for P and Q Transaction Quantities
 - (vi) Transaction 5: No change to R's Transaction Quantity.
 - (vii) M's obligations and rights in respect of delivery and payment under all 5 Transactions are terminated.
- (d) If no Delivery Netting, Operator determines offset delivery schedule
- (i) Offsetting Sellers: N (for 4 TJ) and O (for 6 TJ)
 - (ii) Offsetting Buyers: P for 4 TJ and Q for 6 TJ
 - (iii) Delivery pairs are: N to deliver 4 TJ to P and O to deliver 6 TJ to Q.

20.6. Close out and offset procedure for Physical Capacity

20.6.1. General provisions for application of close out and offset

- (a) In this clause 20.6, the Defaulting Participant is the Trading Participant in relation to which the Default Event occurred.
- (b) The reference to close out and offset in clause 20.5.1(b) is taken to include close out and offset under this clause 20.6, and the Close Out Notice referred to in that clause is taken to extend to this clause.

- (c) The close out and offset arrangements for Capacity Transactions in this clause apply to, and are to be determined separately in respect of:
- (i) the Close Out Effective Date and each subsequent Gas Day for which there is a Capacity Transaction (other than Pre-matched Trades, which are to be cancelled by the Operator):
 - (A) to which the Defaulting Participant is a party; and
 - (B) for which the Service Period includes a Gas Day falling on or after D+1, where D is the Close Out Effective Date,
 (each a **relevant Capacity Transaction**); and
 - (ii) each Capacity Transaction for a Capacity Type the same as the Capacity Type of any relevant Capacity Transaction.
- (d) As soon as practicable after giving a Close Out Notice to a Defaulting Participant, the Operator must inform all other Trading Participants who are parties to relevant Capacity Transactions, but any failure or delay in doing so will not affect the application of this clause.
- (e) If there is more than one Defaulting Participant in respect of any relevant Gas Day, the close out and offset arrangements will be applied sequentially for each Defaulting Participant, starting with the Defaulting Participant for whom the Close Out Notice was first given. For this purpose the Operator may modify the arrangements to the extent that the Operator considers fair and reasonable in order to achieve a result which is consistent with the principles underlying this clause 20.6.

20.6.2. Offset Quantity and Close Out Quantity

- (a) The total quantity to be offset for a relevant Gas Day and Capacity Type (**Offset Capacity Quantity**) is the lesser of TCQS and TCQB, where
- TCQS is the total of the Transaction Quantities for relevant Capacity Transactions in which the Defaulting Participant is the Seller; and
- TCQB is the total of the Transaction Quantities for relevant Capacity Transactions in which the Defaulting Participant is the Buyer.
- (b) The total quantity which is subject to close out for a relevant Gas Day and Capacity Type in respect of relevant Capacity Transactions (**Close Out Capacity Quantity**) is the absolute value of TCQS – TCQB.

20.6.3. Close out and offset for net receipts

- (a) This clause 20.6.3 applies for a relevant Gas Day and Capacity Type only if the Offset Quantity is equal to TCQS. TCQS and TCQB have the meanings set out in clause 20.6.2(a) when used in this clause.
- (b) The Operator must calculate a capacity sell reduction factor (CSRF) for the Gas Day and Capacity Type as follows:
- $$\text{CSRF} = \text{Close Out Capacity Quantity} / \text{TCQB}.$$
- (c) For each relevant Capacity Transaction for which the Defaulting Participant is the Buyer:
- TCQR is the reduction to the Transaction Quantity made in respect of the Seller, equal to the Transaction Quantity multiplied by CSRF and rounded to the nearest whole GJ; and

ATCQ is the Transaction Quantity in respect of the Seller after adjustment, equal to the original Transaction Quantity less TCQR.

- (d) For each Transaction referred to in clause 20.6.3(c):
 - (i) the obligation of the Seller to deliver the Transaction Quantity is terminated and replaced by an obligation to deliver a Transfer Quantity equal to ATCQ on the same Gas Day, subject to clause 20.6.6;
 - (ii) the Transaction Quantity to be used for Settlement purposes for that Gas Day will be equal to ATCQ; and
 - (iii) the obligations of the Defaulting Participant to accept delivery of the Transaction Quantity (on that Gas Day) and to pay the Operator for the corresponding Commodity are terminated.
- (e) For each relevant Capacity Transaction in which the Defaulting Participant is the Seller:
 - (i) the obligation of the Defaulting Participant to make the Transaction Quantity available for Delivery on that Gas Day and the obligation of the Operator to pay the Defaulting Participant for the corresponding Commodity are terminated; and
 - (ii) the Buyer must accept delivery of the Transaction Quantity on that Gas Day in the manner provided for in clause 20.6.6.

20.6.4. Close out and offset for net deliveries

- (a) This clause 20.6.4 applies for a relevant Gas Day and Capacity Type only if the Offset Quantity is equal to TCQB. TCQS and TCQB have the meanings set out in clause 20.6.2(a) when used in this clause.
- (b) The Operator must calculate a capacity buy reduction factor (CBRF) for the relevant Gas Day and Capacity Type as follows:

$$\text{CBRF} = \text{Close Out Quantity} / \text{TCQS}$$
- (c) For each relevant Capacity Transaction in which the Defaulting Participant is the Seller:

TCQR is the reduction to the Transaction Quantity made in respect of the Buyer, equal to the Transaction Quantity multiplied by CBRF, rounded to the nearest whole GJ; and

ATCQ is the Transaction Quantity in respect of the Buyer after adjustment, equal to the original Transaction Quantity less TCQR.
- (d) For each Transaction referred to in clause 20.6.4(c):
 - (i) the obligation of the Buyer to accept delivery of the Transaction Quantity is terminated and replaced by an obligation to accept delivery of a Transfer Quantity equal to ATCQ on the same Gas Day, subject to clause 20.6.6;
 - (ii) the Transaction Quantity to be used for Settlement purposes for that Gas Day will be equal to ATCQ; and
 - (iii) the obligation of the Defaulting Participant to make the Transaction Quantity available for delivery on that Gas Day and the obligation of the Operator to pay the Defaulting Participant for the corresponding Commodity are terminated.
- (e) For each relevant Capacity Transaction in which the Defaulting Participant is the Buyer:
 - (i) the obligations of the Defaulting Participant to accept delivery of the Transaction Quantity and to pay the Operator for the corresponding Commodity are terminated; and

- (ii) the Seller must deliver the Transaction Quantity on that Gas Day in the manner provided for in clause 20.6.6.

20.6.5. Acknowledgment

If an Offset Amount or Close Out Amount is payable in respect of a Defaulting Participant in relation to a Transaction, and that amount is paid by or set off in respect of that Defaulting Participant in Settlement, the other party to that Transaction has no claim or remedy against the Defaulting Participant under this agreement referable to the same Transaction.

20.6.6. Delivery of Offset Transactions

For each relevant Gas Day, the delivery or receipt obligations of each party to a relevant Commodity Transaction (other than the Defaulting Participant), as adjusted under clause 20.6.3 or 20.6.4, are to be included in the calculations under clause 14A.3.

20.6.7. Worked example of close out and offset

- (a) M is in default. Gas Day D+2 is determined to be the Close Out Effective Date. For that Gas Day the Operator identifies the following transactions for capacity for Forward Haul Service between Zones A and B:

Transaction 1: N as Seller to transfer 80 GJ MDQ to M as Buyer at \$5/GJ

Transaction 2: O as Seller to deliver 120 GJ MDQ to M as Buyer at \$6/GJ

Transaction 3: M as Seller deliver 40 GJ MDQ to P as Buyer at \$4/GJ

Transaction 4: M as Seller to deliver 60 GJ MDQ to Q Buyer at \$6/GJ

- (b) Operator determines Offset Capacity Quantity and Close Out Capacity Quantity:

TCQS under Transactions 3 and 4 equals 100 GJ MDQ, TCQB under Transactions 1 and 2 equals 200 GJ

Offset Capacity Quantity is the lesser of the two, ie 100 GJ

Close Out Capacity Quantity is the absolute value of TCQS-TCQB, ie 100 GJ.

- (c) Operator determines adjusted Transaction Quantities (clause 20.6.3 or 20.6.4):

M is a net Buyer, therefore clause 20.6.3 applies

SRF is $100/200$ (0.5)

Transaction 1: N's Transaction Quantity is adjusted down to 40 GJ, leaving 40 GJ to be closed out

Transaction 2: O's Transaction Quantity is adjusted down to 60 GJ, leaving 60 GJ to be closed out. M's obligations under the Transaction are terminated

Transactions 3 and 4: No change for P and Q Transaction Quantities M's obligations and rights in respect of delivery and payment under all 4 Transactions are terminated.

- (d) Operator determines schedule under clause 14A.3 (applying clause 20.6.6) and treating

N and O as Sellers: N (for 40 GJ) and O (for 60 GJ)

P and Q as Buyers: P (for 40 GJ) and Q (for 60 GJ).

21. DISPUTE RESOLUTION

21.1. Dispute notice

If any dispute arises between two or more parties (**Disputing Parties**) in connection with this agreement, the party requiring it to be resolved must promptly give each other Disputing Party written notice giving details of the dispute.

21.2. Negotiation period

- (a) Within 10 Business Days of a Disputing Party receiving a dispute notice under clause 21.1 or such longer period agreed by the Disputing Parties, a senior executive of each Disputing Party with authority to resolve the dispute must meet and, in good faith, attempt to resolve the dispute by negotiation.
- (b) If the Disputing Parties are unable to reach a resolution of the dispute by negotiation within a period of 10 Business Days, then any Disputing Party may by notice in writing to the other given at any time after the negotiation period, bring the good faith negotiation period to an end.

21.3. Urgent relief

- (a) Nothing in this agreement denies any party the right to seek injunctive or declaratory relief from an appropriate court where failure to obtain that relief would cause irreparable damage to the party concerned.
- (b) The dispute resolution procedures in this clause do not apply to impair, delay or otherwise prejudice the exercise by a party of its rights under this agreement (including without limitation any right of termination).

21.4. Alternative dispute resolution

- (a) The Disputing Parties may agree to seek to have the dispute resolved by mediation. In that case, within five Business Days of reaching that agreement, the Disputing Parties must refer the matter to a mutually agreed mediator, or failing agreement to a mediator appointed at the request of any Disputing Party by the Institute of Arbitrators and Mediators Australia.
- (b) The mediation will be conducted in accordance with the procedures determined by the mediator. The mediator must determine who will bear the liability for the mediator's fees and the disbursements and other costs of the mediation which must be paid accordingly.

21.5. Nomination disputes

The Disputing Parties must pay the costs, if any incurred by the Operator in connection with the resolution of any dispute between Trading Participants as to the quantity of gas delivered or accepted in equal shares or in the shares determined under the dispute resolution process for that dispute.

21.6. Transfer Failure Disputes

- (a) If a Trading Participant reasonably believes there to be an error (including an omission) or discrepancy in the information used by the Operator under clause 14A.5(d) to determine the cause and extent of a Transfer Failure, the Trading Participant must notify the Operator and the relevant Facility Operator as soon as practicable and in any event within 60 Business Days after the end of the Billing Period to which the notice relates.

- (b) To the extent that the CTA Procedures or the National Gas Rules provide for the resolution (including determination as a rule dispute) of a matter the subject of a notice under paragraph (a), those provisions prevail over this clause 20 and the Operator and the Trading Participant must comply with those provisions.

22. CONFIDENTIALITY

22.1. Definition of Confidential Information

Confidential Information means information, of whatever kind, provided to a Member or to the Operator under or in connection with this agreement that is, and remains, of a confidential or commercially sensitive nature.

22.2. Obligations of confidentiality

- (a) A party must, in relation to the Confidential Information of another party:
 - (i) keep confidential any Confidential Information that comes into the party's possession or control in the course of performing the party's obligations or exercising its rights under this agreement;
 - (ii) not disclose Confidential Information except as permitted or required by this agreement;
 - (iii) only use or reproduce Confidential Information for the purpose for which it was disclosed or another purpose contemplated by this agreement; and
 - (iv) not permit, and use all reasonable endeavours to prevent, unauthorised access to Confidential Information.
- (b) In respect of Confidential Information that is also protected information within the meaning of section 91G of the National Gas Law, each Member consents to the disclosure of that Confidential Information by the Operator as permitted or required by this agreement.

22.3. Permitted disclosures

Subject to clause 22.4, clause 22.2 does not prevent:

- (a) the use or disclosure of information that is in the public domain, other than as a result of a breach of clause 22.2 by the person seeking to rely on this provision or breach of an obligation owed to that person under clause 22.4(a);
- (b) the disclosure of information to agents, officers, employees, auditors or professional advisers of the party or a Related Body Corporate for the purposes of this agreement or for obtaining advice about the application of this agreement;
- (c) the use or disclosure of Confidential Information with the consent of the person to whom the duty of confidentiality is owed;
- (d) the use or disclosure of information as required by law or a lawful requirement imposed by any Authority or any, recognised stock exchange;
- (e) the use or disclosure of information for the purposes of legal proceedings (including dispute resolution processes under this agreement, arbitration proceedings, proceedings when an expert determination of a disputed question, or proceedings by way of mediation or some other alternative dispute resolution mechanism);
- (f) the use or disclosure of information to protect the safety of any person or property;

- (g) the use or disclosure of information reasonably required in connection with the party's financing arrangements, investment in the party or a disposal of the party's assets;
- (h) the disclosure of information to the Operator, the AER, the AEMC, the ACCC or ASIC or another regulatory body having jurisdiction over the party;
- (i) the use or disclosure of information as required or authorised by or under the National Gas Law or the National Gas Rules;
- (j) (i1) the use or disclosure of information in accordance with the CTA Procedures, including to Facility Operators;
- (k) the use or disclosure of information of a historical nature that does not identify the person to whom it relates, for the preparation of a report under this agreement;
- (l) the use or disclosure of information in an aggregated or other form in which its confidential aspects cannot be identified.

22.4. Conditions of disclosure

- (a) A party proposing to disclose Confidential Information under clauses 22.3(d), 22.3(e), 22.3(f), 22.3(h) or 22.3(i) must, where it is reasonably practicable to do so, inform the person to whom disclosure is proposed of the confidentiality of the information.
- (b) A party proposing to disclose Confidential Information under clauses 22.3(b) or 22.3(g) must ensure that the person to whom disclosure is proposed is subject to binding obligations:
 - (i) to keep the information confidential and not to further disclose it;
 - (ii) not to use or reproduce the information for a purpose other than that for which it was disclosed; and
 - (iii) to take all reasonable steps to prevent unauthorised access to the information.

23. REPRESENTATIONS

23.1. Operator

The Operator makes the representations in clause 23.3 (excluding clause 23.3(j) and 23.3(k)) to each Member severally at the time the Membership Agreement is entered into.

23.2. Members

Each Member makes the representations in clause 23.3 to the Operator and each other Member at the time it enters into the Membership Agreement. Each representation is deemed to be repeated by the Member on each date that a new Member enters into a Membership Agreement and on each date that a Transaction is concluded on the Exchange to which the Member is a party.

23.3. Representations by all parties

Each party represents in accordance with clause 23.1 or clause 23.2 (as applicable) that:

- (a) it is duly organised and validly existing under the laws of the jurisdiction of its organisation or incorporation (and, if relevant under those laws, in good standing);
- (b) it has the power to execute the Membership Agreement and any other documentation relating to the Membership Agreement to which it is a party, to deliver the Membership Agreement and any other document relating to the Membership Agreement that it is

- required by the Membership Agreement to deliver and to perform its obligations under the Membership Agreement and this agreement and has taken all necessary action to authorise that execution, delivery and performance;
- (c) the execution, delivery and performance of the Membership Agreement and the performance of this agreement do not violate or conflict with any law applicable to it, any provision of its constitutional documents, any order or judgment of any court or agency of government applicable to it or any of its assets or any contractual restriction binding on or affecting it or any of its assets;
 - (d) all governmental and other licences, authorisations, permits, consents and other approvals (if any) that are required to enable the party to fulfil any of its obligations under the Membership Agreement and this agreement have been obtained and are in full force and effect and all conditions of any required authorisations have been complied with;
 - (e) its obligations under the Membership Agreement and this agreement constitute its legal, valid and binding obligations, enforceable in accordance with their respective terms subject to applicable bankruptcy, insolvency, reorganisation, moratorium or similar laws affecting creditors' rights generally and subject as to enforceability to equitable principles of general application (regardless of whether enforcement is sought in a proceeding in equity or at law);
 - (f) no Default Event or event which with notice and/or lapse of time would constitute a Default Event has occurred with respect to it and is continuing and no such event or circumstance would occur as a result of it entering into or performing its obligations under the Membership Agreement or this agreement;
 - (g) no litigation, arbitration or administrative suit or proceeding at law or in equity or before any court, tribunal, governmental body, agency, official or arbitrator is pending, so far as it is aware, threatened against it which would, if adversely determined, result in a material adverse changes in its financial condition or its ability to perform its obligations under the Exchange Agreement or this agreement, or that is likely to affect the legality, validity or enforceability against it of the Exchange Agreement or this agreement or its ability to perform its obligations under the Exchange Agreement or this agreement;
 - (h) it has entered into and executed the Membership Agreement and the Exchange Agreement as principal (and not as agent or in any other capacity, fiduciary or otherwise) (except that if the party is both a Member and an Agent Member, then this representation is only given by the party in its capacity as a Member);
 - (i) except in the case of fraudulent misrepresentation, it is not relying upon any oral or written representation, warranty or other assurance of any party other than expressly provided for or referred to in this agreement;
 - (j) in the case of a party who is a Member, it has carried out all investigations it considers relevant to assess the risks associated with participation in the Exchange and use of information provided through the Trading System and the suitability of any Product or information for its purposes and has entered into a Membership Agreement with the full understanding of the material terms and risks of the Exchange Agreement and it is capable of assuming those risks;
 - (k) in the case of a party who is a Member, the Operator is not acting as a fiduciary or an adviser for the party, nor has the Operator given to it any advice, representation, assurance or guarantee as to the expected performance, benefit or result of this agreement, any Product, any information provided through the Trading System, any Transaction or otherwise in relation to or in connection with this agreement, or any transaction or arrangement contemplated under this agreement;

- (l) in the case of a party who is an Appointing Member, it has authorised and will ratify all acts and omissions of its Agent Member as agent for the Appointing Member under or in connection with this Agreement; and
- (m) the Operator has not given to it any advice, representation, assurance or guarantee as to any Broker Participant, any information provided by or in relation to any Broker Participant or otherwise in relation to or in connection with any Transaction or Broker Pre-matched Trade with a Broker Participant.

23.4. Exclusion of implied terms

- (a) To the maximum extent permitted by law and except in the case of fraud or as otherwise expressly provided in this agreement:
 - (i) all terms, conditions, warranties or statements (whether express, implied, written, oral, collateral, statutory or otherwise) which would be implied or incorporated into this agreement as having been given by a party in favour of any other party (**implied terms**) are excluded;
 - (ii) each party disclaims all liability in relation to any implied terms; and
 - (iii) each party waives all rights and remedies which might otherwise be available to that party in relation to any implied terms.
- (b) The Operator makes no representation and gives no warranty as to the accuracy, suitability or fitness for purpose of the Exchange, any Products, any information provided through the Trading System and none of the Exchange, any Product or the information provided purports to be suitable for any particular Member's business objectives, financial situation or needs.

24. LIABILITY

24.1. Liability of AEMO as Operator

To the maximum extent permitted by law, AEMO is not liable to any Member for any act or omission (including any act or omission amounting to a breach of this agreement or the CTA Procedures or breach of statute or any negligent act or omission) under or in connection with this agreement (including any Transaction) whether arising in contract, tort (including negligence) breach of duty or any other ground unless the act or omission was done or made in bad faith, within the meaning of section 91K of the National Gas Law.

24.2. Interruption of Trading System

Without limiting clause 24.1, the Operator is not liable to any Member in respect of any interruption, failure, shutdown or malfunction of equipment or systems affecting the Exchange or any part of the Trading System, unless caused by the Operator's failure to take reasonable steps to mitigate against those risks.

24.3. Recoverable losses

- (a) The liability of a party to any other party for any act or omission (including any act or omission amounting to a breach of this agreement or a breach of statute or any negligent act or omission) under or in connection with this agreement (including any Transaction) is limited to the recovery by that party of Direct Loss less any amount of Excluded Loss relating to that other party in respect of that act or omission.

- (b) No party is liable to any other party under or in connection with this agreement in any circumstances for any amount in respect of or comprising Consequential Loss however arising (including, without limitation, at law, in equity or pursuant to statute) and all such liability is excluded.
- (c) Clause 24.3(a) and clause 24.3(b) apply:
 - (i) to limit or exclude liability to the maximum extent permitted by law;
 - (ii) subject to clause 24.5;
 - (iii) subject to any provision which provides for an exclusive remedy in respect of the act or omission; and (iv) without prejudice and subject to clause 24.1 and clause 24.3A.

24.3A. No liability for Transportation Loss or Liability

- (a) No party is liable to any other party under or in connection with this agreement in any circumstances for any amount in respect of or comprising Transportation Loss or Liability however arising (including, without limitation, at law, in equity or pursuant to statute) and all such liability is excluded.
- (b) In paragraph (a), Transportation Loss or Liability means any loss, damage, cost, liability or expense arising under or in respect of a Transportation Facility Agreement in connection with the use of, or inability to use, Capacity the subject of a Physical Capacity Transaction whether arising in contract, tort, (including negligence) under statute or otherwise, whether or not such loss was foreseeable and even if advised of the possibility of the loss or damage.
- (c) Clause 24.3A(a) applies:
 - (i) to limit or exclude liability to the maximum extent permitted by law;
 - (ii) subject to clause 24.5; and
 - (iii) without prejudice and subject to clauses 24.1 and 24.3(b).

24.4. Definitions

In this clause:

- (a) **Direct Loss** means any loss, damage, cost, liability or expense (however incurred) but excludes any Consequential Loss.
- (b) Consequential Loss means any:
 - (i) indirect loss, damage, cost, liability or expense;
 - (ii) special, indirect, consequential, incidental or punitive damages;
 - (iii) damages for economic loss, loss of profits, loss of opportunity, loss of market, loss of contract, loss of revenue, goodwill, bargain, anticipated savings or loss or corruption of data,
- (c) whether arising in contract, tort (including negligence), under statute or otherwise, whether or not such loss or damage was foreseeable and even if advised of the possibility of the loss or damage.
- (d) **Excluded Loss** means loss or damage suffered or incurred by a party to this agreement as a result of, or to the extent contributed to by, any act or omission by that party, its Related Bodies Corporate or any of their officers, employees, agents, consultants or subcontractors.

24.5. Carve-outs

The limitations and exclusions in this clause 24 do not apply to limit or exclude any liability:

- (a) for payments required to be made under this agreement, including in respect of Delivery Variance Quantities and Close Out Quantities;
- (b) under any indemnity given under this agreement in favour of the Operator;
- (c) under the National Gas Law or the National Gas Rules in respect of any breach of the Market Conduct Rules; or
- (d) arising from any fraudulent act or omission.

24.6. Australian Consumer Law

- (a) Pursuant to section 64A of the Australian Consumer Law (being Schedule 2 to the Competition and Consumer Act 2010 (Cth)) this clause applies in respect of obligations to supply goods or services under this agreement which are not of a kind ordinarily acquired for personal, domestic or household use or consumption, except to the extent that the recipient of the goods or services establishes that reliance on this clause would not be fair and reasonable.
- (b) This clause 24.6 prevails over the preceding provisions of this clause 24.
- (c) Liability for a failure to comply with a guarantee imposed by the Australian Consumer Law:
 - (i) is limited in the case of goods (other than a guarantee under section 51, 52 or 53) to any one of the following as determined by the seller of the goods:
 - (A) the replacement of the goods or the supply of equivalent goods;
 - (B) the repair of the goods;
 - (C) the payment of the cost of replacing the goods or acquiring equivalent goods; or
 - (D) the payment of the cost of having the goods repaired; and
 - (ii) is limited in the case of services, to any one of the following as determined by the supplier of the services:
 - (A) the supplying of the services again; or
 - (B) the payment of the cost of having the services supplied again.

24.7. Indemnity in relation to DWGM Transfers

A Market Participant must indemnify the Operator and keep it indemnified against any liability, claim, cost or expense (including legal expense) whether arising in contract, tort (including negligence), breach of duty or on any other ground suffered or incurred by the Operator in connection with the nomination by the Market Participant of a person as Nominated DWGM Participant in connection with a DWGM Transfer, except to the extent that the liability, claim, cost or expense is due to an act or omission of the Operator done or made in bad faith, within the meaning of section 91K of the National Gas Law.

25. FORCE MAJEURE

25.1. Definition of Force Majeure

- (a) Subject to this clause 25.1, Force Majeure means any event or circumstance (or combination of events and/or circumstances) the occurrence of which is beyond the

reasonable control of the party seeking to rely on it (acting and having acted in accordance with Good Gas Industry Practice).

- (b) The act or omission of any agent or contractor of a party is not Force Majeure unless such act or omission is caused by or results from events and/or circumstances which would be Force Majeure if that person were the Affected Party.
- (c) Force Majeure does not include events or circumstances such as loss of a party's markets, a party's inability to economically use or resell energy products or a party's inability to procure contracts for the supply, sale or transportation of gas or Gas Compression Services.

25.2. Effect of Force Majeure

- (a) If a party (**Affected Party**) is prevented or hindered by Force Majeure from complying with its obligations under this agreement (other than an obligation referred to in clause 25.2(b)) then the obligations of the Affected Party are suspended during the period and to the extent that those circumstances continue to prevent or hinder that party from complying with its obligations.
- (b) Force Majeure cannot be claimed in respect of, and does not excuse nonperformance of, and does not suspend, any obligation with respect to:
 - (i) payment of any money;
 - (ii) providing or replacing Credit Support;
 - (iii) delivery or acceptance of a quantity of gas of the applicable Gas Specification at a Delivery Point under a Transaction (**delivery obligation**), except in the circumstances specified in paragraph (c); or
 - (iv) a Transfer of Capacity except in the circumstances specified in paragraph (d).
- (c) Force Majeure may only be claimed in respect of a delivery obligation if, and to the extent that, the Affected Party was prevented or hindered from complying with the delivery obligation as a result of a Gas Transporter's failure to deliver or accept delivery of that gas or provide Gas Compression Services, where that failure by the Gas Transporter was not in turn caused (in whole or part) by noncompliance:
 - (i) by the Affected Party with its obligations under clause 14 or with the terms of its Gas Transportation Agreement or Gas Compression Services Agreement; or
 - (ii) by any supplier to, or purchaser from, the Affected Party in respect of the corresponding quantity of gas at the Delivery Point (or another receipt or delivery point on the same pipeline), with its obligations to the Affected Party.
- (d) Force Majeure may only be claimed in respect of a Transfer obligation if, and to the extent that, the Affected Party was prevented or hindered from complying with the Transfer obligation as a result of the Transfer being cancelled or reversed in accordance with the CTA Procedures and that cancellation or reversal was not in turn caused (in whole or part) by:
 - (i) a failure to pass Transfer Validation caused by or attributable to the Affected Party;
 - (ii) non-compliance by the Affected Party or a Nominated DWGM Participant of the Affected Party with its obligations under this agreement or a Gas Transportation Agreement or the National Gas Rules; or
 - (iii) non-compliance by any supplier to, or purchaser from, the Affected Party in respect of the corresponding quantity of Capacity with its obligations to the Affected Party or a Nominated DWGM Participant of the Affected Party.

25.3. Notice requirements

- (a) An Affected Party (other than the Operator) must give prompt written notice to:
- (i) the Operator; and
 - (ii) where the Force Majeure affects obligations to deliver or receive gas under this agreement, each person known to the Affected Participant who is a Delivering Participant or Receiving Participant (as the case may be) in respect of the affected obligations,
- of the occurrence of the event or circumstance of Force Majeure, giving an estimate of its expected duration and the probable impact on the performance of its obligations under this agreement.
- (b) The Affected Party must:
- (i) as soon as reasonably practicable, provide any additional information reasonably requested by a person notified under paragraph (a) in respect of the event or circumstance of Force Majeure;
 - (ii) use its reasonable endeavours to remove or overcome the event or circumstance of Force Majeure; and
 - (iii) give notice to each party notified under paragraph (a) of the cessation of the event or circumstance giving rise to Force Majeure.
- (c) If the Affected Party is the Operator, the Operator must:
- (i) promptly publish on its website as much information as is reasonably practicable about the event or circumstance giving rise to the Force Majeure, the expected duration of that event and the cessation of that event; and
 - (ii) use its reasonable endeavours to remove or overcome the event or circumstance of Force Majeure.

25.4. Force Majeure relief under Location Swaps

If the Buyer or Seller for a Location Swap Transaction is the Affected Party and claims Force Majeure relief under this clause 25 with respect to its obligation to receive or deliver a quantity of gas in respect of that Transaction, the other party to the Location Swap Transaction is not “responsible” within the meaning of clause 15.2(c) for a Delivery Variance Quantity arising in respect of the corresponding obligation to deliver or receive up to that same quantity of gas.

25.5. Resumption of performance

An Affected Party must resume the performance of any obligation which it was unable to fulfil as a result of Force Majeure as soon as reasonably practicable after the Force Majeure ends.

26. NOTICES, COMMUNICATIONS AND PUBLICATION

26.1. Communication through the Trading System

Where this agreement requires any information, submission or notice to be communicated:

- (a) by the Operator to a Member or Members; or
- (b) a Member to the Operator,

- (c) and the functionality of the Trading System allows for that communication to be made using the Trading System, the relevant party must use the Trading System for that communication, unless otherwise specified in the Interface Protocol or (for a communication to be made by a Member), agreed by the Operator.

26.2. Other notices

- (a) A notice in connection with this agreement which is not able to be communicated through the Trading System must be:
 - (i) in writing in English;
 - (ii) signed by the party or its agent; and
 - (iii) given to the recipient either by hand delivery, pre-paid registered mail, facsimile transmission or email, in each case addressed to the address for notices of the recipient in the then current register of Members maintained by the Operator under clause 5.1.
- (b) Where two or more persons comprise a party, notice to or by one of those persons is effective notice to and by all of them.
- (c) Proof of posting by pre-paid mail of a notice in accordance with this clause is proof of receipt of such notice on the second clear Business Day after posting.
- (d) Proof of transmission by facsimile of a notice in accordance with this clause is proof of receipt on the date of transmission, but if a transmission is not made on a Business Day or not made before 4.00 pm, then it is proof of receipt at 10.00 am on the next Business Day after transmission.
- (e) Unless proved to the contrary, proof of transmission by email of a notice in accordance with this clause is proof of receipt on the date of transmission, but if a transmission is not made on a Business Day or not made before 4.00 pm, then it is proof of receipt at 10.00 am on the next Business Day after transmission.

27. MISCELLANEOUS

27.1. Assignment and subcontracting

- (a) The Operator may subcontract the performance of all or any part of its obligations under this agreement. In connection with any such subcontracting, the Operator may disclose Confidential Information to the subcontractor provided that the Operator procures that the subcontractor agrees to maintain the confidentiality of that information on terms no less onerous than the terms of this agreement.
- (b) Where AEMO is the Operator, AEMO may assign its rights and novate its obligations under this agreement to a person appointed by AEMO to operate all or part of the Exchange, subject to the requirements of the National Gas Rules, by giving prior notice of that assignment and novation to all Members at the time.
- (c) For the purposes of giving effect to that assignment and novation under clause 27.1(b), by this clause, each Member consents to such assignment and novation provided that the incoming Operator undertakes to all Members to assume the obligations of the Operator accrued and not discharged prior to the date that the assignment and novation takes effect.
- (d) A Member must not assign or novate its rights or obligations under this agreement. Any purported assignment or novation in breach of this clause is void.

27.2. Rights in the Trading System

- (a) All Intellectual Property Rights in the Exchange, the Trading System and the content and layout of the Trading System are owned by the Operator or its licensors and are subject to copyright.
- (b) Any database comprised in the Trading System is Confidential Information of the Operator (but without prejudice to the application of clause 22 in respect of Confidential Information of a Member contained in a database).
- (c) Under this agreement, each Member and its authorised users has a nonexclusive, non-transferable right, for the duration of the Member's Membership Agreement, to access the Trading System and to use the functionality of the Trading System in accordance with this agreement, the Interface Protocol and any access and licensing agreement entered into under the Interface Protocol. The Trading System must not be used in any way that is not authorised by this agreement and a Member must not permit use of or access to the Trading System by any third party, other than its agents or representatives nominated in accordance with clause 5.3.
- (d) A Member must not, and must ensure that any person authorised by it to use its interface with the Trading System does not:
 - (i) alter or remove any copyright, trademark or other proprietary mark, logo or notice of the Operator or of any other company, organisation or public authority appearing anywhere in the Trading System;
 - (ii) modify or edit the data, text, images, material and information in the Trading System or publish or sell any information from the Trading System including by making that information available on any website;
 - (iii) not reverse engineer, transfer, adapt or modify any software used in connection with any part of the Trading System;
 - (iv) attempt to damage or corrupt (including through the introduction of any malicious software) any software or data of the Operator or any third party used in connection with any part of the Trading System; or
 - (v) attempt to gain unauthorised access to the Trading System, the server on which the Trading System is stored or any server, computer or database connected to the Trading System.

27.3. Waiver

- (a) A party waives a right under this agreement only by written notice that it waives that right. A waiver is limited to a right of the party giving the waiver and the specific instance to which it relates and to the specific purpose for which it is given.
- (b) No failure, or delay, in exercising any right, power or remedy by a party operates as a waiver. A single or partial exercise of any right, power or remedy does not preclude any other or further exercise of that or any other right, power or remedy.

27.4. Severance

If any provision of this agreement is or becomes invalid, unenforceable or illegal or is declared to be invalid, unenforceable or illegal by any court of competent jurisdiction, such invalidity, unenforceability or illegality shall not prejudice or affect the remaining provisions of this agreement which shall continue in full force and effect.

27.5. Entire agreement

This agreement records the entire agreement between the parties as to its subject matter. It supersedes all prior contracts, obligations, representations, conduct and understandings.

27.6. Counterparts

This document may be executed in any number of counterparts, and by the parties in separate counterparts, but is not effective until each party has executed at least one counterpart. Each counterpart of this document constitutes an original of this document but the counterparts together constitute one and the same instrument.

27.7. Governing law

- (a) The laws of Queensland govern this document. Each party irrevocably submits to the non-exclusive jurisdiction of the courts of Queensland.
- (b) Each party irrevocably waives any objection to the venue of any legal process on the basis that the process has been brought in an inconvenient forum.
- (c) Each party irrevocably waives any immunity in respect of its obligations under this document that it may acquire from the jurisdiction of any court or any legal process for any reason including the service of notice, attachment before judgment, attachment in aid of execution or execution.

27.8. Relationship of the parties

Nothing in this document is to be treated as creating a partnership or trust and except as specifically provided in this document no party may act as agent of a party or in any way bind another party to any obligation.

27.9. Costs

- (a) A party will bear its own costs in relation to the negotiation, preparation and execution of this document and any further document required.
- (b) All stamp duty (including fines, penalties and interest) that may be payable on or in connection with this agreement and any instrument executed under this agreement must be borne by the Member concerned.

27.10. Further assurances

Each party must do all things reasonably required to facilitate the performance of this agreement.

27.11. Indemnities

Unless expressly provided otherwise:

- (a) any indemnity in this document is a continuing obligation, separate and independent from the other obligations of the parties, and survives termination, completion or expiration of this document;
- (b) it is not necessary for a party to incur expense or make any payment before enforcing a right of indemnity conferred by this document; and
- (c) the making of a claim by a party under an indemnity contained in this document in respect of a particular event does not preclude that party from subsequently making further claims

under that indemnity in respect of any further loss arising out of the same event for which it has not previously been indemnified.

27.12. Arrangements for transition to standard gas day

A Gas Day that finishes on 1 October 2019 finishes at 6:00am irrespective of the start time of that Gas Day.

SCHEDULE 1. MEMBERSHIP AGREEMENT

GAS SUPPLY HUB MEMBERSHIP AGREEMENT

PARTIES

Australian Energy Market Operator Limited ABN 94 072 010 327 of Level 22, 530 Collins Street, Melbourne, Victoria 3000 (on its own behalf and on behalf of each Member) ("**Operator**")

and

[**Company name**] ABN [number] of [registered address] ("**Applicant**")

[or, where an Agent Member is entering into this Membership Agreement on behalf of an Appointing Member:

[**Company name**] ABN [number] of [registered address] as agent for and on behalf of [**Company name**] ABN [number] of [registered address] ("**Applicant**")]

RECITALS

- A In accordance with the National Gas Rules, the Operator has published the Exchange Agreement.
- B The Exchange Agreement sets out the terms of participation in the Exchange and forms a binding contract between the Operator and all Members from time to time.
- C The Applicant wishes to participate in the Exchange.
- D The Operator and the Applicant are entering into this agreement for the purpose of the Applicant becoming a party to the Exchange Agreement as a Member.

AGREEMENT

The Applicant and the Operator on behalf of itself and all Members agree as follows:

1. Interpretation

- (a) Capitalised words used in this agreement have the meaning given to them in the Exchange Agreement unless otherwise defined in this agreement.
- (b) The Effective Date is the later of:
 - (i) the date on which the Exchange commences 'live' operation, as published by the Operator on its website not less than 5 Business Days before that date; and
 - (ii) the date of execution of this agreement by the Operator.
- (c) The rules of interpretation in the Exchange Agreement apply to the interpretation of this agreement.
- (d) This agreement and the Exchange Agreement shall be read and construed as one document.

2. Admission and agreement to be bound

- (e) The Operator (acting on its own behalf and on behalf of each Member) admits the Applicant as a Member under the Exchange Agreement with effect from the Effective Date.
- (f) The Applicant accepts its admission as a Member under the Exchange Agreement with effect from the Effective Date.
- (g) The Applicant undertakes to the Operator and each other Member:
 - (i) to perform and to be bound by the Exchange Agreement as it may be amended, supplemented or replaced from time to time; and
 - (ii) to discharge its obligations in relation to each Transaction to which it is a party from time to time under and in accordance with the Exchange Agreement.

3. Other matters

- (h) The liability of each party with respect to any breach of this agreement, the Exchange Agreement or in relation to any Transaction shall be governed by the terms of the Exchange Agreement.
- (i) Upon the effective date of termination of the membership of any Member, the Exchange Agreement remains in full force and effect and binding on each of the remaining Members and the Operator.
- (j) This agreement is governed by and shall be construed in accordance with the laws of Queensland.
- (k) Each party submits to the non-exclusive jurisdiction of courts exercising jurisdiction in Queensland in connection with matters concerning this agreement, the Exchange Agreement and Transactions.
- (l) If any provision of this agreement is or becomes invalid, unenforceable or illegal or is declared to be invalid, unenforceable or illegal by any court of competent jurisdiction, such invalidity, unenforceability or illegality shall not prejudice or affect the remaining provisions of this agreement which shall continue in full force and effect.
- (m) This agreement may be executed in any number of counterparts and by different parties on separate counterparts. Each counterpart when executed and delivered constitutes an original. All counterparts together constitute one and the same instrument. A party may exchange a counterpart with each other party by emailing a pdf (portable document format) copy of the executed counterpart to each other party
- (n) Each party must bear its own costs arising out of the negotiation, preparation and execution of this agreement. All stamp duty that may be payable on or in connection with this agreement must be borne by the Applicant.
- (o) A party may sign electronically a soft copy of this document, including through DocuSign, and bind itself accordingly and this will satisfy any statutory or other requirements for this document to be in writing and signed by that party

EXECUTED as an agreement.



SIGNED for and on behalf of **Australian Energy Market Operator Limited** in the presence of:

Signature (Witness)

Signature

Print Name (Witness)

Print Name

Date

Date

SIGNED for and on behalf of **[Name of applicant]** in the presence of:

Signature (Witness)

Signature

Print Name (Witness)

Print Name

Date

Date

Each person who executes this document under a power of attorney declares and warrants that he or she is not aware of any fact or circumstance that might affect his or her authority to do so under that power of attorney.

SIGNED for and on behalf of **[Name of agent]** as agent for **[Name of Appointing Member]** in the presence of:

Signature (Witness)

Signature

Print Name (Witness)

Print Name

Date

Date

Each person who executes this document under a power of attorney declares and warrants that he or she is not aware of any fact or circumstance that might affect his or her authority to do so under that power of attorney.

SCHEDULE 2. TRADING LOCATIONS AND DELIVERY POINTS (WALLUMBILLA)

1. Pipelines

Pipeline	Gas Transporter
QGP or Queensland Gas Pipeline	Jemena Queensland Gas Pipeline (1) Pty Ltd ABN 97 083 050 284 and Jemena Queensland Gas Pipeline (2) Pty Ltd ABN 70 083 050 104
RBP or Roma to Brisbane Pipeline	APT Petroleum Pipelines Pty Limited ACN 009 737 393
SWQP or South West Queensland Pipeline	APA (SWQP) Pty Limited ACN 066 656 219

2. Trading Locations and Delivery Points

Trading Location	Delivery Point	Delivery Point Definition
Wallumbilla Trading Location	QGP-Run 3	Run 3 at the intersection of the SWQP and the QGP
	QGP-Run 10	Run 10 at the intersection of the SWQP and the QGP
	RBP-Run 3	Upstream flange of the 250mm nominal bore ANSI class valve located in station ML1A and immediately upstream of the common pipework header at the entry of the RBP from the SWQP through Wallumbilla Run 3
	RBP-Run 4	Centre of the orifice plate used to measure gas entering the RBP from the QGP through Wallumbilla Run 4
	RBP-Run 7	Centre of the orifice plate used to measure gas entering the RBP from the Spring Gully pipeline through Wallumbilla Run 7
	RBP In Pipe Trade Point	Any virtual point within the RBP nominated by the Gas Transporter at which transfers of title in gas can be effected.
	Fairview (on the SWQP)	Interconnection of the SWQP and the Fairview Pipeline.
	SWQP In Pipe Trade Point	Any virtual point within the SWQP nominated by the Gas Transporter at which transfers of title in gas can be effected.
	Wallumbilla High Pressure Trade Point	A notional point within the SWQP Wallumbilla Compound, nominated by the Gas Transporter, from which gas may be directed to or from the SWQP.
	Wallumbilla Low Pressure Trade Point	A notional point within the SWQP Wallumbilla Compound, nominated by the Gas Transporter, from which gas may be directed to the Wallumbilla compressor stations.
SEQ Trading Location	QGP-Run 3	Run 3 at the intersection of the SWQP and the QGP
	RBP In Pipe Trade Point	As defined for the Wallumbilla Trading Location
Gas Compression Trading Location	Wallumbilla High Pressure Trade Point	As defined for the Wallumbilla Trading Location.

Trading Location	Delivery Point	Delivery Point Definition
	Wallumbilla Low Pressure Trade Point	As defined for the Wallumbilla Trading Location.

3. Gas Quality Specification

Delivery Points	Gas Quality Specification
All Delivery Points on the QGP	The gas quality specifications set out in the Transporter's standard terms and conditions of service for the QGP from time to time, as published on its website.
All Delivery Points on the RBP	In accordance with Australian Standard AS 4564-2005 – Specification for general purpose natural gas.
All Delivery Points on the SWQP	In accordance with Australian Standard AS 4564-2005 – Specification for general purpose natural gas, subject to a maximum carbon dioxide (CO ₂) content of 3% by volume.

4. Pressure Range

Trading Location	Delivery Point	Delivery Point Definition
QGP	QGP-Run 3 QGP-Run 10	Within the applicable pressure requirements set out in the Transporter's standard terms and conditions of service for the QGP from time to time, as published on its website.
RBP	RBP-Run 3 RBP-Run 4 RBP-Run 7 RBP In Pipe Trade Point	As notified by the Transporter to RBP gas shippers from time to time, but no greater than 9,600 kPa.
SWQP	Wallumbilla High Pressure Trade Point	As notified by the Transporter to SWQP gas shippers from time to time, but no greater than 14,900 kPa.
	Wallumbilla Low Pressure Trade Point	As notified by the Transporter to SWQP gas shippers from time to time, but no greater than 9,600 kPa.
	SWQP In Pipe Trade Point	As notified by the Transporter to SWQP gas shippers from time to time, but no greater than 9,600 kPa.
	Fairview	As notified by the Transporter to SWQP gas shippers from time to time, but no greater than 9,600 kPa.

5. Delivery Matching at the Wallumbilla Trading Location

5.1 The Common Delivery Point for the Wallumbilla Trading Location is the Wallumbilla High Pressure Trade Point.

5.2 The Priority Groups for the Wallumbilla Trading Location are specified in the following table.

Priority Group	Sell Delivery Point	Buy Delivery Point	
RBP Group	RBP – Run 3	RBP In Pipe Trade Point	
	RBP – Run 4	RBP – Run 3	
	RBP – Run 7		RBP – Run 4
			RBP – Run 7
Low Pressure Group	Wallumbilla Low Pressure Trade Point	Wallumbilla Low Pressure Trade Point	

Priority Group	Sell Delivery Point	Buy Delivery Point
	RBP In Pipe Trade Point	
	RBP – Run 3	
	RBP – Run 4	
	RBP – Run 7	

5.3 For the purposes of clause 14.7.4, the Operator will match positions in the following order:

Step 1: Where and to the extent that the Buyer and Seller have nominated the same Delivery Point.

Step 2: Where and to the extent that the Buyer and Seller have elected to be matched in a Priority Group:

- (i) first, where the Delivery Point nominated by the Buyer and Seller belongs to the RBP Group;
- (ii) second, where the Delivery Point nominated by the Buyer and Seller belongs to the Low Pressure Group.

Step 3: Where and to the extent that the positions cannot be matched under step 1 or 2.

5.4 The Delivery Point for each delivery pair will be determined as follows.

Step under which the matching occurs	Delivery Point
1	The Delivery Point nominated by the Buyer and Seller.
2(i)	The Delivery Point nominated by the Seller.
2(ii)	Wallumbilla Low Pressure Trade Point.
3	Wallumbilla High Pressure Trade Point.

6. Low Pressure Settlement Adjustment

The Low Pressure Settlement Adjustment will apply to gas matched for delivery at the following Delivery Points:

- (b) Wallumbilla Low Pressure Trade Point
- (c) SWQP In Pipe Trade Point
- (d) RBP – Run 3
- (e) RBP Run 4
- (f) RBP Run 7
- (g) RBP In Pipe Trade Point.

SCHEDULE 3. TRADING LOCATIONS AND DELIVERY POINTS (MOOMBA)

1. Pipelines

Pipeline	Gas Transporter
MAP or Moomba to Adelaide Pipeline	Epic Energy South Australia Pty Ltd ACN 068 599 815
MSP or Moomba to Sydney Pipeline	APT Petroleum Pipelines Pty Limited ACN 009 737 393

2. Trading Locations and Delivery Points

Trading Location	Delivery Point	Delivery Point Definition
MAP Trading Location (Moomba transfer points on the MAP)	Moomba	Interconnection of the Moomba Gas Plant and MAP
	QSN	Interconnection of the QSN and MAP
	MAP In Pipe Trade Point (IPT)	The notional delivery point immediately downstream of the Moomba Gas Plant Receipt Point at which gas is deemed to be delivered pursuant to the MAP IPT Service on a Gas Day.
MSP Trading Location (Moomba transfer points on the MSP)	Moomba Gas Plant	Interconnection of the Moomba Gas Plant and SWQP at Moomba
	Moomba Low Pressure Trade Point	Any notional trading point within the SWQP Moomba Compound nominated by the Gas Transporter at which transfers of title in gas can be effected
	Culcairn Trade Point	A virtual point on the MSP located adjacent to the point of interconnection between the Victorian Transmission System and the MSP at Culcairn.
	Wilton Trade Point	A virtual point on the MSP located adjacent to the point of interconnection between the MSP and the Jemena Gas Networks distribution at Wilton.
Culcairn Trading Location	Culcairn Trade Point	As defined for the MSP Trading Location.
Wilton Trading Location	Wilton Trade Point	As defined for the MSP Trading Location.

3. Gas Specification

3.1 MAP Trading Location

Gas supplied must be in accordance with AS 4564-2005 and must not contain more than 3% by volume of carbon dioxide.

3.2 MSP Trading Location

In accordance with Australian Standard AS 4564-2005 – Specification for general purpose natural gas.

3.3 Culcairn Trading Location

In accordance with Australian Standard AS 4564-2005 – Specification for general purpose natural gas.

3.4 Wilton Trading Location

In accordance with Australian Standard AS 4564-2005 – Specification for general purpose natural gas.

4. Pressure Range

4.1 MAP Trading Location

As notified by the Gas Transporter to MAP shippers from time to time but no greater than 7322 kPa

4.2 MSP Trading Location

As notified by the Transporter to MSP gas shippers from time to time, but no greater than 9,600 kPa.

4.3 Culcairn Trading Location

As notified by the Transporter to MSP gas shippers from time to time, but no greater than 10,200 kPa.

4.4 Wilton Trading Location

As notified by the Transporter to MSP gas shippers from time to time, but no greater than 5,800 kPa.

SCHEDULE 4. PRODUCT SPECIFICATIONS FOR PHYSICAL GAS

This Schedule contains the Product Specifications for Physical Gas.

The table in item 1 sets out terms applicable to all Physical Gas Products.

Item 2 specifies terms applicable to Products according to the Product tenor.

1. General Specification

General Product Specification for Physical Gas Products	
Commodity	Gas complying with the Gas Specification
Parcel Size	100 GJ for each Gas Day in the Delivery Period.
Price	The price is to be expressed in dollars per GJ
Product Limits	Minimum Price: \$-100/GJ Maximum Price \$999/GJ Maximum Quantity 50,000 GJ (50 TJ)
Unit	GJ
Admission to trade	Automatic
Gas Specification	The gas specification applicable to the Delivery Point as determined in accordance with schedule 2 or schedule 3 (as applicable).
Flow Rate	Even flow rate through each Gas Day in the Delivery Period.
Pressure	The pressure range applicable to the Delivery Point as determined in accordance with schedule 2 or schedule 3 (as applicable).
Partial acceptance of Orders	Permitted if specified in the Order.
Minimum Transaction Quantity	100 GJ per Gas Day unless a larger number is specified in the Order.
Expiry Time	Unless an earlier time is specified in the Order, an Order for Gas Day D expires at the end of the Trading Window.
Automatic Withdrawal	Applicable to open Orders at the end of each trading day after 7:00 pm Automatic withdrawal is not applicable to OTD or DA Products.
Order Quantity to be displayed	The whole of the Order Quantity will be displayed unless otherwise specified in the Order.
Special conditions	Each Trading Participant who submits an Order in relation to a Physical Gas Product represents and warrants for the purposes of this agreement that the Trading Participant has all necessary rights under agreements with the applicable Gas Transporter at the Delivery Point (as identified in schedule 2 or schedule 3 as applicable) to deliver (in the case of the Seller) or accept (in the case of the Buyer) the Transaction Quantity.

2. Trading Windows

Product Type	Delivery Period	Trading Window
On-The-Day (OTD)	One Gas Day	For Gas Day D, Trading Hours on that same Gas Day.

		For a Pre-matched Trade where the Trading Participants have specified that Delivery Netting is not to apply, the Trading Window for Gas Day D is from 8am on Gas Day D to 7:59am on Gas Day D+1.
Day-Ahead (DA)	One Gas Day	<p>For DA where Delivery Netting applies:</p> <ul style="list-style-type: none"> For Gas Day D, from 9:00 am to 1:00 pm on D-1. For a Pre-matched Trade where the Trading Participants have specified that Delivery Netting is not to apply, the Trading Window for Gas Day D is from 12am to 1pm on Gas Day D-1. <p>For DA where Delivery Netting does not apply:</p> <ul style="list-style-type: none"> For Gas Day D, from 1:00 pm to 7:00 pm on D-1. For a Pre-matched Trade where the Trading Participants have specified that Delivery Netting is not to apply, the Trading Window for Gas Day D is from 1pm on Day D-1 to 7:59am on Gas Day D.
Daily (D)	One Gas Day	<p>For Gas Day D, Trading Hours on each of Gas Day D-7 to Gas Day D-2.</p> <p>For a Pre-matched Trade where the Trading Participants have specified that Delivery Netting is not to apply, the Trading Window for Gas Day D is from 12am to 11:59pm on Gas Day D-90 to Gas Day D-2.</p>
Weekly (W)	Seven consecutive Gas Days, beginning and ending at Gas Day commencement on a Sunday.	<p>For a Delivery Period commencing on Gas Day D, Trading Hours on each Gas Day commencing 4 weeks prior to Gas Day D and ending on D-2.</p> <p>For a Pre-matched Trade where the Trading Participants have specified that Delivery Netting is not to apply, the Trading Window for Gas Day D are Trading Hours on each of Gas Day D-90 to Gas Day D-2.</p>
Monthly (M)	Calendar month consecutive Gas Days, beginning at Gas Day commencement on the first day of the calendar month and ending at Gas Day commencement on the first day of the immediately following calendar month.	For a Delivery Period commencing on Gas Day D, Trading Hours on each Gas Day commencing 3 calendar months and 1 calendar day prior to the calendar month in which Gas Day D falls and ending on D-2 prior the commencement of the calendar month in which Gas Day D falls.

		<p>For a Pre-matched Trade where the Trading Participants have specified that Delivery Netting is not to apply, the Trading Window for Gas Day D are Trading Hours on each Gas Day commencing 12 calendar months and 1 calendar day prior to the calendar month in which Gas Day D falls and ending on D-2 prior to the commencement of the calendar month in which Gas Day D falls.</p> <p>For an EFP Trade, for a Delivery Period commencing on Gas Day D, Trading Hours on each Gas Day commencing D-14 prior to the calendar month in which Gas Day D falls and ending on D-2 prior to the commencement of the calendar month in which Gas Day D falls.</p>
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3. Product list

Refer to Product list in the following table. In the Product list:

- (a) the terms used in the columns headed “Trading Location” and “Delivery Point” have the meaning in Schedule 2 or Schedule 3 (as applicable);
- (b) the terms OTD, DA, D, W and M refer to On-The-Day, Day-Ahead, Daily, Weekly and Monthly Product types, which have the Delivery Period and Trading Window specified for the Product type in item 2 above;
- (c) Physical Gas is offered as an On-The-Day, Day-Ahead, Daily, Weekly or Monthly Product if there is a “Y” in the OTD, DA, D, W or M column for that Trading Location; and
- (d) The terms EFP and CDP refer to “EFP Trade” and “Custom Delivery Period” respectively and EFP Trades and Custom Delivery Periods are permitted for a Product where specified.

Product List for Physical Gas

Physical Gas List 1: Products available for on-screen (continuous trading)

Pre-matched Trades/Broker Pre-matched Trades are permitted for Physical Gas Products

Ref	Trading Location	Delivery Point	Delivery Netting	Delivery Matching	OTD	DA	D	W	M
Moomba (Netted)									
1.1	MAP Trading Location	MAP In Pipe Trade Point	Applicable Trading Participants may specify that Delivery Netting is not to apply to a Pre-matched Trade	Applicable	N	Y	Y	Y	Y
1.2	MSP Trading Location	Moomba Low Pressure Trade Point	Applicable Trading Participants may specify that Delivery Netting is not to apply to a Pre-matched Trade	Applicable	N	Y	Y	Y	Y
1.3	Culcairn Trading Location	Culcairn Trade Point	Applicable Trading Participants may specify that Delivery Netting is not to apply to a Pre-matched Trade	Applicable	N	Y	Y	Y	Y
1.4	Wilton Trading Location	Wilton Trade Point	Applicable Trading Participants may specify that Delivery Netting is not to apply to a Pre-matched Trade	Applicable	N	Y	Y	Y	Y
Moomba (Non-netted)									
1.5	MAP Trading Location	MAP In Pipe Trade Point	Not Applicable	Not Applicable	Y	Y	N	N	N
1.6	MSP Trading Location	Moomba Low Pressure Trade Point	Not Applicable	Not Applicable	Y	Y	N	N	N

1.7	Culcairn Trading Location	Culcairn Trade Point	Not Applicable	Not Applicable	Y	Y	N	N	N
1.8	Wilton Trading Location	Wilton Trade Point	Not Applicable	Not Applicable	Y	Y	N	N	N
Wallumbilla (Netted)									
1.9	Wallumbilla Trading Location	one of the following: <ul style="list-style-type: none"> • RBP - Run 3 • RBP - Run 4 • RBP - Run 7 • SWQP Fairview • SWQP In Pipe Trade Point • Wallumbilla High Pressure Trade Point • Wallumbilla Low Pressure Trade Point. 	Applicable Trading Participants may specify that Delivery Netting is not to apply to a Pre-matched Trade	Applicable	N	Y	Y (CDP* permitted)	Y	Y (EFP permitted)
1.10	SEQ Trading Location	RBP In Pipe Trade Point	Applicable Trading Participants may specify that Delivery Netting is not to apply to a Pre-matched Trade	Applicable	N	Y	Y (CDP* permitted)	Y	Y
Wallumbilla (Non-netted)									
1.11	Wallumbilla Trading Location	Wallumbilla High Pressure Trade Point.	Not Applicable	Not Applicable	Y	Y	N	N	N
1.12	SEQ Trading Location	RBP In Pipe Trade Point	Not Applicable	Not Applicable	Y	Y	N	N	N



*Custom Delivery Period (CDP)	The Custom Delivery Period is for consecutive gas days from the start date (inclusive) to the end date (inclusive) as submitted and confirmed for the Pre-matched Trade or Broker Pre-matched Trade. The end date for the Custom Delivery Period must not be greater than 364 calendar days from the date on which the Trading Participant or Broker Participant (as applicable) confirm the details of the of the Pre-matched Trade or Broker Pre-matched Trade in the Trading System.
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SCHEDULE 5. PRODUCT SPECIFICATIONS FOR SPREAD PRODUCTS

This Schedule contains the Product Specifications for Spread Products.

The table in item 1 sets out terms applicable to all Spread Products.

Item 2 specifies terms applicable to Spread Products according to the Product tenor.

1. General Specification

General Product Specification for Spread Products	
Default Reference Price	For any Day, the benchmark price for the Premium Product for that Day published under clause 10.3(c)
Parcel Size	100 GJ for each Gas Day in the Delivery Period.
Spread Product Price	The Spread Product Price is to be expressed in dollars per GJ
Product Limits	Minimum Price: \$-100/GJ Maximum Price \$100/GJ Maximum Quantity 50,000 GJ (50 TJ)
Unit	GJ
Admission to trade	Automatic
Partial acceptance of Orders	Permitted if specified in the Order.
Minimum Transaction Quantity	100 GJ per Gas Day unless a larger number is specified in the Order.
Expiry Time	Unless an earlier time is specified in the Order, an Order for Gas Day D expires at the end of the Trading Window.
Automatic Withdrawal	Applicable to open Orders at the end of each trading day after 7:00 pm Automatic withdrawal is not applicable to OTD or DA Products.
Order Quantity to be displayed	The whole of the Order Quantity will be displayed unless otherwise specified in the Order.
Special conditions	Each Trading Participant who submits an Order in relation to a Spread Product represents and warrants for the purposes of this agreement that the Trading Participant has all necessary rights under agreements with the applicable Gas Transporter at the Delivery Point (as identified in schedule 2 or schedule 3 as applicable) to deliver (in the case of the Seller) or accept (in the case of the Buyer) the Transaction Quantity.

2. Trading Windows

Product Type	Trading Window
On-The-Day (OTD)	For Gas Day D, Trading Hours on that same Gas Day.
Day-Ahead (DA)	For DA where Delivery Netting applies to the Premium Product and Base Product: <ul style="list-style-type: none"> For Gas Day D, from 9:00 am to 1:00 pm on D-1. For DA where Delivery Netting does not apply to the Premium Product and Base Product: <ul style="list-style-type: none"> For Gas Day D, from 1:00 pm to 7:00 pm on D-1.
Daily (D)	For Gas Day D, Trading Hours on each of Gas Day D-7 to Gas Day D-2.
Weekly (W)	For a Delivery Period commencing on Gas Day D, Trading Hours on each Gas Day commencing 4 weeks prior to Gas Day D and ending on D-2.

Product Type	Trading Window
Monthly (M)	For a Delivery Period commencing on Gas Day D, Trading Hours on each Gas Day commencing 3 calendar months and 1 calendar day prior to the calendar month in which Gas Day D falls and ending on D-2 prior the commencement of the calendar month in which Gas Day D falls.

3. Product list

Refer to Product list in the following table. In the Product list:

- () the terms used in the columns headed "Premium Product", "Default Premium Product Delivery Point", "Base Product" and "Default Base Product Delivery Point" refer to the Products for Physical Gas and the Delivery Points for Products for Physical Gas in the Product Specifications for Physical Gas;
- (a) the terms OTD, DA, D, W and M refer to On-The-Day, Day-Ahead, Daily, Weekly and Monthly Product types, which have the Trading Window specified for the Product type in item 2 above; and
- (b) A Spread Product is offered as an On-The-Day, Day-Ahead, Daily, Weekly or Monthly Product if there is a "Y" in the OTD, DA, D, W or M column for that Spread Product.

Product List for Spread Products

Spread Product List 1: Spread Products available for on-screen (continuous trading)

Pre-matched Trades/Broker Pre-matched Trades are not permitted for Spread Products

Ref	Premium Product	Default Premium Product Delivery Period	Base Product	Default Base Product Delivery Point	OTD	DA	D	W	M
SEQ-Wallumbilla									
1.1	Monthly Physical Gas for Delivery at the Wallumbilla Trading Location	Wallumbilla High Pressure Trade Point	Monthly Physical Gas for Delivery at the SEQ Trading Location	RBP In Pipe Trade Point					Y
1.2	Weekly Physical Gas for Delivery at the Wallumbilla Trading Location	Wallumbilla High Pressure Trade Point	Weekly Physical Gas for Delivery at the SEQ Trading Location	RBP In Pipe Trade Point				Y	
1.3	Daily Physical Gas for Delivery at the Wallumbilla Trading Location	Wallumbilla High Pressure Trade Point	Daily Physical Gas for Delivery at the SEQ Trading Location	RBP In Pipe Trade Point			Y		
1.4	Day-Ahead Netted Physical Gas for Delivery at the Wallumbilla Trading Location	Wallumbilla High Pressure Trade Point	Day-Ahead Netted Physical Gas for Delivery at the SEQ Trading Location	RBP In Pipe Trade Point		Y			
1.5	Day-Ahead Non-Netted Physical Gas	Wallumbilla High Pressure Trade Point	Day-Ahead Non-Netted for Delivery at the SEQ Trading Location	RBP In Pipe Trade Point		Y			

Ref	Premium Product	Default Premium Product Delivery Period	Base Product	Default Base Product Delivery Point	OTD	DA	D	W	M
1.6	On-The-Day Physical Gas	Wallumbilla High Pressure Trade Point	On-The-Day for Delivery at the SEQ Trading Location	RBP In Pipe Trade Point	Y				
Moomba – Wallumbilla									
1.7	Monthly Physical Gas for Delivery at the Wallumbilla Trading Location	Wallumbilla High Pressure Trade Point	Monthly Physical Gas for Delivery at the MSP Trading Location at Moomba	Moomba Low Pressure Trade Point					Y
1.8	Weekly Physical Gas for Delivery at the Wallumbilla Trading Location	Wallumbilla High Pressure Trade Point	Weekly Physical Gas for Delivery at the MSP Trading Location at Moomba	Moomba Low Pressure Trade Point				Y	
1.9	Daily Physical Gas for Delivery at the Wallumbilla Trading Location	Wallumbilla High Pressure Trade Point	Daily Physical Gas for Delivery at the MSP Trading Location at Moomba	Moomba Low Pressure Trade Point			Y		
1.10	Day-Ahead Netted Physical Gas for Delivery at the Wallumbilla Trading Location	Wallumbilla High Pressure Trade Point	Day-Ahead Netted Physical Gas for Delivery at the MSP Trading Location at Moomba	Moomba Low Pressure Trade Point		Y			

Ref	Premium Product	Default Premium Product Delivery Period	Base Product	Default Base Product Delivery Point	OTD	DA	D	W	M
1.11	Day-Ahead Non-Netted Physical Gas for Delivery at the Wallumbilla Trading Location	Wallumbilla High Pressure Trade Point	Day-Ahead Non-Netted Physical Gas for Delivery at the MSP Trading Location at Moomba	Moomba Low Pressure Trade Point		Y			
1.12	On-The-Day Physical Gas for Delivery at the Wallumbilla Trading Location	Wallumbilla High Pressure Trade Point	On-The-Day Physical Gas for Delivery at the MSP Trading Location at Moomba	Moomba Low Pressure Trade Point	Y				

SCHEDULE 6. PRODUCT SPECIFICATIONS FOR GAS COMPRESSION SWAPS

This Schedule contains the Product Specifications for Gas Compression Swaps.

The table in item 1 sets out terms applicable to all Gas Compression Swap Products.

Item 2 specifies terms applicable to Products according to the Product tenor.

1. General Specification

General Product Specification for Gas Compression Swap Products	
Commodity	Gas Compression Service
Parcel Size	1,000 GJ (1 TJ) for each Gas Day in the Delivery Period.
Price	The price is to be expressed in dollars per GJ
Product Limits	Minimum Price: \$0/GJ Maximum Price \$999/GJ Maximum Quantity 32,000 GJ (32 TJ)
Unit	GJ
Admission to trade	Automatic
Gas Specification – Swap Receipt Point	The gas specification applicable to the Swap Receipt Point as determined in accordance with schedule 2 or schedule 3 as applicable.
Gas Specification – Swap Delivery Point	The gas specification applicable to the Swap Delivery Point as determined in accordance with schedule 2 or schedule 3 as applicable.
Flow Rate	Even flow rate through each Gas Day in the Delivery Period.
Pressure – Swap Receipt Point	The pressure range applicable to the Swap Receipt Point as determined in accordance with schedule 2.
Pressure – Swap Delivery Point	The pressure range applicable to the Swap Delivery Point as determined in accordance with schedule 2.
Partial acceptance of Orders	Permitted if specified in the Order.
Minimum Transaction Quantity	1,000 GJ (1 TJ) per Gas Day unless a larger number is specified in the Order.
Expiry Time	Unless an earlier time is specified in the Order, an Order for Gas Day D expires at the end of the Trading Window.
Automatic Withdrawal	Applicable to open Orders at the end of each trading day after 7:00 pm Automatic withdrawal is not applicable to OTD or DA Products.
Order Quantity to be displayed	The whole of the Order Quantity will be displayed unless otherwise specified in the Order.
Special conditions	Each Trading Participant who submits an Order in relation to a Gas Compression Swap Product represents and warrants for the purposes of this agreement that the Trading Participant has all necessary rights under agreements with the applicable Gas Transporter at the Delivery Point (as identified in schedule 2) to deliver (in the case of the Seller) or accept (in the case of the Buyer) the Transaction Quantity, and in the case of the Seller, to make the Gas Compression Service available to the Buyer on the terms applicable to the Transaction.

2. Trading Windows

Product Type	Delivery Period	Trading Window
On-The-Day (OTD)	<p>The Delivery Period starts at the Start Time and ends at the end of the Gas Day in which the Start Time falls.</p> <p>The Start Time is the start of the first full hour (being one o'clock, two o'clock and so on) which commences at least 60 minutes after the time the Transaction is confirmed by the Trading System.</p>	For Gas Day D, Trading Hours on that same Gas Day.
Day-Ahead (DA)	One Gas Day	<p>For DA where Delivery Netting applies:</p> <ul style="list-style-type: none"> For Gas Day D, from 9:00 am to 1:00 pm on D-1. <p>For DA where Delivery Netting does not apply:</p> <ul style="list-style-type: none"> For Gas Day D, from 1:00 pm to 7:00 pm on D-1.
Daily (D)	One Gas Day	For Gas Day D, Trading Hours on each of Gas Day D-7 to Gas Day D-2.
Weekly (W)	Seven consecutive Gas Days, beginning and ending at Gas Day commencement on a Sunday.	For a Delivery Period commencing on Gas Day D, Trading Hours on each Gas Day commencing 4 weeks prior to Gas Day D and ending on D-2.
Monthly (M)	Calendar month consecutive Gas Days, beginning at Gas Day commencement on the first day of the calendar month and ending at Gas Day commencement on the first day of the immediately following calendar month.	For a Delivery Period commencing on Gas Day D, Trading Hours on each Gas Day commencing 3 calendar months and 1 calendar day prior to the calendar month in which Gas Day D falls and ending on D-2 prior the commencement of the calendar month in which Gas Day D falls.

3. Product list

Refer to Product list in the following table. In the Product list:

- (c) the terms used in the columns headed "Swap Receipt Point" and "Swap Delivery Point" have the meaning in Schedule 2;
- (d) the terms OTD, DA, D, W and M refer to On-The-Day, Day-Ahead, Daily, Weekly and Monthly Product types, which have the Delivery Period and Trading Window specified for the Product type in item 2 above; and
- (e) Gas Compression Swap is offered as an On-The-Day, Day-Ahead, Daily, Weekly or Monthly Product if there is a "Y" in the OTD, DA, D, W or M column for that Swap Receipt Point and Swap Delivery Point.

Product List for Gas Compression Swaps

Gas Compression Swap List 1: Products available for on-screen (continuous trading)

Pre-matched Trades/Broker Pre-matched Trades are permitted for Gas Compression Swaps

Ref	Swap Receipt Point	Swap Delivery Point	Delivery Netting	Delivery Matching	OTD	DA	D	W	M
1.1	Wallumbilla Low Pressure Trade Point	Wallumbilla High Pressure Trade Point	Not Applicable	Not Applicable	Y	Y	Y	N	N
1.2	Wallumbilla Low Pressure Trade Point	Wallumbilla High Pressure Trade Point	Applicable	Applicable	N	Y	N	N	N

SCHEDULE 7. PRODUCT SPECIFICATIONS FOR FORWARD HAUL SERVICES

This Schedule contains the Product Specifications for Forward Haul Services.

The table in item 1 sets out terms applicable to all Forward Haul Products.

The tables in items 2 and 3 set out terms applicable to Products according to the Product tenor (item 2) or the location of the Transportation facility (item 3).

Item 4 lists all the Products by path and tenor.

1. General Specification

General Product Specification for Forward Haul Services	
Commodity	Forward Haul Service Capacity
First Trading Date	1 March 2019
Parcel Size	500 GJ
Price	The price is to be expressed in dollars per GJ of capacity.
Product Limits	Minimum Price: \$0/GJ Maximum Price \$999/GJ Maximum Quantity 50,000 GJ (50 TJ)
Unit	GJ
Admission to trade	Automatic
Partial acceptance of Orders	Permitted if specified in the Order.
Minimum Transaction Quantity	500 GJ unless a larger number is specified in the Order.
Expiry Time	Unless an earlier time is specified in the Order, an Order for Gas Day D expires at the end of the Trading Window.
Automatic withdrawal	Applicable to open Orders at the end of each trading day after 7:00 pm.
Order Quantity to be displayed	The whole of the Order Quantity will be displayed unless otherwise specified in the Order.
Delivery Netting	Applicable.
Pre-matched Trades	Permitted.
Special conditions	<p>(a) Each Trading Participant who submits an Order in relation to this Product represents and warrants for the purposes of this agreement that the Trading Participant has all necessary rights under an agreement with the Transportation Service Provider to deliver (in the case of the Seller) or accept (in the case of the Buyer) the Commodity.</p> <p>(b) Each Trading Participant who submits an Order in relation to this Product as Seller represents and warrants for the purposes of this agreement that the Trading Participant has Capacity specified in the Order available to Transfer, in a quantity at least equal to the Order Quantity and for the whole of the Service Term in the Order.</p> <p>(c) A Trading Participant who submits an Order in relation to this Product as Buyer acknowledges and agrees that its use of this Product is subject to the terms and conditions of the Buyer's Nominated Transportation Agreement, including terms relating to gas quality, gas pressure and maximum hourly quantity.</p>

2. Trading Windows for Physical Capacity

Product Type	Delivery Period	Trading Window
Day-Ahead (DA)	One Gas Day	For Gas Day D, Trading Hours on Gas Day D-1.
Daily (D)	One Gas Day	For Gas Day D, Trading Hours on each of Gas Day D-7 to Gas Day D-2.
Weekly (W)	Seven consecutive Gas Days, beginning and ending at Gas Day commencement on a Sunday.	For a Delivery Period commencing on Gas Day D, Trading Hours on each Gas Day commencing 4 weeks prior to Gas Day D and ending on D-2.
Monthly (M)	Calendar month consecutive Gas Days, beginning at Gas Day commencement on the first day of the calendar month and ending at Gas Day commencement on the first day of the immediately following calendar month.	For a Delivery Period commencing on Gas Day D, Trading Hours on each Gas Day commencing 3 calendar months and 1 calendar day prior to the calendar month in which Gas Day D falls and ending on D-2 prior the commencement of the calendar month in which Gas Day D falls.

3. Gas Day definitions for Physical Capacity

Gas Day Area	Gas Day commencement to 6.00 am AEST on 1 October 2019	Gas Day commencement from 6.00 am AEST 1 October 2019
QLD	8:00 am AEST	6:00 am AEST
SA	6:30 am AEST	6:00 am AEST
NSW	6:30 am AEST	6:00 am AEST
VIC	6:00 am AEST	6:00 am AEST
TAS	In respect of the VTS, 6:00 am AEST In respect of any other Transportation Facility, 6:30 am AEST	

4. Product lists

Refer to the Product lists in the tables on the following pages. In the Product lists:

- the terms used in the columns headed "Transportation Facility", "Pipeline Receipt Zone" and Pipeline Delivery Zone" have the meaning in the Transportation Service Point Register;
- the descriptions in the columns headed "Receipt Zone Description" and "Delivery Zone Description" are provided for ease of reference only;
- the Gas Day Area column indicates which Gas Day time applies to the Product, as set out in item 3 above;
- each row shows a separate path between a Pipeline Receipt Zone and Pipeline Delivery Zone pair;
- the terms DA, D, W and M refer to Day-Ahead, Daily, Weekly and Monthly Product types, which have the Delivery Period and Trading Window specified for the Product type in item 2 above;
- a path is offered as a Day-Ahead, Daily, Weekly or Monthly Product if there is a "Y" in the DA, D, W or M column for that path; and

- (g) each Product associated with a Path is an STTM Integrated Product if "SIPP" is specified in the STTM integration column for that path.

Product List for Forward Haul Services

Forward Haul List 1: Products available for on-screen (continuous trading) and pre-matched trading

Ref	Facility	Pipeline Receipt Zone	Receipt Zone Description	Pipeline Delivery Zone	Delivery Zone Description	Gas Day Area	DA	D	W	M	SIPP	DWGM	Description
1.1	SWQP	SWQP-RZ-01	Moomba	SWQP-DZ-05	Wallumbilla	QLD	Y	Y	Y	Y			
1.2	SWQP	SWQP-RZ-03	Wallumbilla	SWQP-DZ-01	Moomba connection to MSP and MAPS	QLD	Y	Y	Y	Y			
1.3	RBP	RBP-RZ-01	Wallumbilla	RBP-DZ-06	Brisbane STTM split zone	QLD		Y	Y	Y			
1.4	RBP	RBP-RZ-04	Darling Downs	RBP-DZ-01	Wallumbilla	QLD	Y	Y	Y	Y			
1.5	RBP	RBP-RZ-04	Darling Downs	RBP-DZ-04	Darling Downs	QLD		Y	Y	Y			
1.6	RBP	RBP-RZ-04	Darling Downs	RBP-DZ-06	Brisbane STTM split zone	QLD		Y	Y	Y	SIPP		
1.7	CGP	CGP-RZ-01	Ballera	CGP-DZ-04	Mt Isa	QLD	Y	Y	Y	Y			APA Ballera compression and CGP transportation rights.
1.8	CGP	CGP-RZ-02	NGP	CGP-DZ-01	Ballera	QLD	Y	Y	Y	Y			
1.9	QGP	QGP-RZ-02	Mid-line Receipt	QGP-DZ-02	Gladstone	QLD	Y	Y	Y	Y			
1.10	MAPS	MAPS-RZ-01	Northern receipt zone	MAPS-DZ-05	Metro Mainline Delivery Zone	SA		Y	Y	Y	SIPP		
1.11	MAPS	MAPS-RZ-01	Northern receipt zone	MAPS-DZ-06	Loopline Delivery Zone	SA	Y	Y	Y	Y			
1.12	PCA	PCA-RZ-01	Port Campbell	PCA-DZ-03	Adelaide	SA		Y	Y	Y	SIPP		
1.13	PCI	PCI-RZ-01	Minerva Receipt Zone	PCI-DZ-02	DWGM Delivery Zone	VIC	Y	Y	Y	Y		Y	
1.14	EGP	EGP-RZ-01	Longford	EGP-DZ-05	Sydney (STTM points excluding Wilton)	NSW		Y	Y	Y	SIPP		

Ref	Facility	Pipeline Receipt Zone	Receipt Zone Description	Pipeline Delivery Zone	Delivery Zone Description	Gas Day Area	DA	D	W	M	SIPP	DWGM	Description
1.15	EGP	EGP-RZ-01	Longford	EGP-DZ-06	Wilton	NSW		Y	Y	Y			
1.16	MSP	MSP-RZ-01	Moomba	MSP-DZ-06	Sydney STTM hub mixed zone	NSW		Y	Y	Y	SIPP		
1.17	MSP	MSP-RZ-01	Moomba	MSP-DZ-08	Culcairn	NSW	Y	Y	Y	Y		Y	
1.18	MSP	MSP-RZ-03	Culcairn	MSP-DZ-01	Moomba	NSW	Y	Y	Y	Y		Y	
1.19	AGP	AGP-RZ-03	Darwin	AGP-DZ-02	Tennant Creek	NT	Y	Y	Y	Y			
1.20	NGP	NGP-RZ-01	Tennant Creek	NGP-DZ-01	Mt Isa	NT	Y	Y	Y	Y			

Forward Haul List 2: Products available for pre-matched trading only

Ref	Facility	Pipeline Receipt Zone	Receipt Zone Description	Pipeline Delivery Zone	Delivery Zone Description	Gas Day Area	DA	D	W	M	SIPP	DWGM	Description
2.1	SWQP	SWQP-RZ-01	Moomba	SWQP-DZ-03	Ballera	QLD	Y	Y	Y	Y			
2.2	SWQP	SWQP-RZ-01	Moomba	SWQP-DZ-04	South West Queensland	QLD	Y	Y	Y	Y			
2.3	SWQP	SWQP-RZ-02	Ballera	SWQP-DZ-01	Moomba connection to MSP and MAPS	QLD	Y	Y	Y	Y			
2.4	SWQP	SWQP-RZ-02	Ballera	SWQP-DZ-05	Wallumbilla	QLD	Y	Y	Y	Y			
2.5	SWQP	SWQP-RZ-03	Wallumbilla	SWQP-DZ-03	Ballera	QLD	Y	Y	Y	Y			
2.6	SWQP	SWQP-RZ-03	Wallumbilla	SWQP-DZ-04	South West Queensland	QLD	Y	Y	Y	Y			
2.7	RBP	RBP-RZ-01	Wallumbilla	RBP-DZ-03	Darling Downs	QLD	Y	Y	Y	Y			
2.8	RBP	RBP-RZ-01	Wallumbilla	RBP-DZ-04	Brisbane STTM split zone	QLD		Y	Y	Y			
2.9	RBP	RBP-RZ-01	Wallumbilla	RBP-DZ-05	Brisbane STTM split zone	QLD		Y	Y	Y			

Ref	Facility	Pipeline Receipt Zone	Receipt Zone Description	Pipeline Delivery Zone	Delivery Zone Description	Gas Day Area	DA	D	W	M	SIPP	DWGM	Description
2.10	RBP	RBP-RZ-02	Wallumbilla (10-inch pipeline)	RBP-DZ-03	Darling Downs	QLD		Y	Y	Y			
2.11	RBP	RBP-RZ-02	Wallumbilla (10-inch pipeline)	RBP-DZ-04	Brisbane STTM split zone	QLD		Y	Y	Y			
2.12	RBP	RBP-RZ-02	Wallumbilla (10-inch pipeline)	RBP-DZ-05	Brisbane STTM split zone	QLD		Y	Y	Y			
2.13	RBP	RBP-RZ-03	Scotia	RBP-DZ-01	Wallumbilla	QLD	Y	Y	Y	Y			
2.14	RBP	RBP-RZ-03	Scotia	RBP-DZ-03	Darling Downs	QLD		Y	Y	Y			
2.15	RBP	RBP-RZ-03	Scotia	RBP-DZ-04	Brisbane STTM split zone	QLD		Y	Y	Y			
2.16	RBP	RBP-RZ-03	Scotia	RBP-DZ-05	Brisbane STTM split zone	QLD		Y	Y	Y			
2.17	RBP	RBP-RZ-04	Darling Downs	RBP-DZ-04	Brisbane STTM split zone	QLD		Y	Y	Y			
2.18	BWP	BWP-RZ-01	Wallumbilla	BWP-DZ-02	Berwyndale	QLD	Y	Y	Y	Y			
2.19	BWP	BWP-RZ-02	Berwyndale	BWP-DZ-01	Wallumbilla	QLD	Y	Y	Y	Y			
2.20	WGP	WGP-RZ-01	Southern Queensland	WGP-DZ-02	Central Queensland	QLD	Y	Y	Y	Y			
2.21	CGP	CGP-RZ-01	Ballera	CGP-DZ-02	Phosphate Hill	QLD	Y	Y	Y	Y			Unbundled – transport only
2.22	CGP	CGP-RZ-01	Ballera	CGP-DZ-03	Cannington	QLD	Y	Y	Y	Y			Unbundled – transport only
2.23	CGP	CGP-RZ-02	NGP	CGP-DZ-02	Phosphate Hill	QLD	Y	Y	Y	Y			
2.24	CGP	CGP-RZ-02	NGP	CGP-DZ-03	Cannington	QLD	Y	Y	Y	Y			
2.25	CGP	CGP-RZ-01	Ballera	CGP-DZ-04	Mt Isa	QLD	Y	Y	Y	Y			Unbundled – transport only
2.26	DDP	DDP-RZ-01	SGP Wallumbilla	DDP-DZ-03	APLNG/Talinga	QLD	Y	Y	Y	Y			

Ref	Facility	Pipeline Receipt Zone	Receipt Zone Description	Pipeline Delivery Zone	Delivery Zone Description	Gas Day Area	DA	D	W	M	SIPP	DWGM	Description
2.27	DDP	DDP-RZ-01	SGP Wallumbilla	DDP-DZ-04	Darling Downs Power Station	QLD	Y	Y	Y	Y			
2.28	DDP	DDP-RZ-02	APLNG/Talinga	DDP-DZ-01	Wallumbilla	QLD	Y	Y	Y	Y			
2.29	DDP	DDP-RZ-02	APLNG/Talinga	DDP-DZ-02	SGP	QLD	Y	Y	Y	Y			
2.30	DDP	DDP-RZ-02	APLNG/Talinga	DDP-DZ-04	Darling Downs Power Station	QLD	Y	Y	Y	Y			
2.31	SGP	SGP-RZ-01	Spring Gully	SGP-DZ-01	Wallumbilla	QLD	Y	Y	Y	Y			
2.32	QGP	QGP-RZ-01	Wallumbilla	QGP-DZ-01	Moura	QLD	Y	Y	Y	Y			
2.33	QGP	QGP-RZ-01	Wallumbilla	QGP-DZ-02	Gladstone	QLD	Y	Y	Y	Y			
2.34	QGP	QGP-RZ-01	Wallumbilla	QGP-DZ-03	Rockhampton	QLD	Y	Y	Y	Y			
2.35	QGP	QGP-RZ-02	Mid-line Receipt	QGP-DZ-01	Moura	QLD	Y	Y	Y	Y			
2.36	QGP	QGP-RZ-02	Mid-line Receipt	QGP-DZ-03	Rockhampton	QLD	Y	Y	Y	Y			
2.37	QGP	QGP-RZ-03	Rolleston	QGP-DZ-01	Moura	QLD	Y	Y	Y	Y			
2.38	QGP	QGP-RZ-03	Rolleston	QGP-DZ-02	Gladstone	QLD	Y	Y	Y	Y			
2.39	QGP	QGP-RZ-03	Rolleston	QGP-DZ-03	Rockhampton	QLD	Y	Y	Y	Y			
2.40	QGP	QGP-RZ-04	Moura	QGP-DZ-02	Gladstone	QLD	Y	Y	Y	Y			
2.41	QGP	QGP-RZ-04	Moura	QGP-DZ-03	Rockhampton	QLD	Y	Y	Y	Y			
2.42	RP	RP-RZ-01	Wallumbilla	RP-DZ-01	Wallumbilla	QLD	Y	Y	Y	Y			
2.43	MAPS	MAPS-RZ-01	Northern receipt zone	MAPS-DZ-02	Rural Mainline Delivery Zone	SA	Y	Y	Y	Y			
2.44	MAPS	MAPS-RZ-01	Northern receipt zone	MAPS-DZ-03	Angaston Delivery Zone	SA	Y	Y	Y	Y			
2.45	MAPS	MAPS-RZ-01	Northern receipt zone	MAPS-DZ-04	Iron Triangle Delivery Zone	SA	Y	Y	Y	Y			
2.46	MAPS	MAPS-RZ-02	Southern receipt zone	MAPS-DZ-01	Northern delivery zone	SA	Y	Y	Y	Y			

Ref	Facility	Pipeline Receipt Zone	Receipt Zone Description	Pipeline Delivery Zone	Delivery Zone Description	Gas Day Area	DA	D	W	M	SIPP	DWGM	Description
2.47	PCA	PCA-RZ-01	Port Campbell	PCA-DZ-02	South-east South Australia	SA	Y	Y	Y	Y			
2.48	PCA	PCA-RZ-01	Port Campbell	PCA-DZ-03	Adelaide	SA	Y	Y	Y	Y			
2.49	PCI	PCI-RZ-03	Otway Receipt Zone	PCI-DZ-02	DWGM Delivery Zone	SA	Y	Y	Y	Y			
2.49	SEPS	SEPS-RZ-01	SESAP Receipt	SEPS-DZ-01	Penola	SA	Y	Y	Y	Y			
2.50	SESA	SESA-RZ-01	SESA Delivery Zone	SESA-DZ-01	SESA Receipt Zone	SA	Y	Y	Y	Y			
2.51	EGP	EGP-RZ-01	Longford	EGP-DZ-02	EGP delivery points at Bairnsdale	NSW	Y	Y	Y	Y			
2.52	EGP	EGP-RZ-01	Longford	EGP-DZ-03	Snowy	NSW	Y	Y	Y	Y			
2.53	EGP	EGP-RZ-01	Longford	EGP-DZ-04	South Coast	NSW	Y	Y	Y	Y			
2.54	EGP	EGP-RZ-01	Longford Plant	EGP-DZ-06	Wilton	NSW	Y	Y	Y	Y			
2.55	EGP	EGP-RZ-01	Longford	EGP-DZ-07	TGP Transfer	NSW	Y	Y	Y	Y			
2.56	EGP	EGP-RZ-02	Orbost gas plant	EGP-DZ-05	Sydney	NSW	Y	Y	Y	Y			
2.57	MSP	MSP-RZ-03	Culcairn	MSP-DZ-06	Sydney STTM hub mixed zone	NSW		Y	Y	Y		Y	
2.58	MSP	MSP-RZ-01	Moomba	MSP-DZ-02	CWP	NSW	Y	Y	Y	Y			
2.59	MSP	MSP-RZ-01	Moomba	MSP-DZ-03	CRP	NSW	Y	Y	Y	Y			
2.60	MSP	MSP-RZ-01	Moomba	MSP-DZ-04	Central	NSW	Y	Y	Y	Y			
2.61	MSP	MSP-RZ-01	Moomba	MSP-DZ-05	South West	NSW	Y	Y	Y	Y			
2.62	MSP	MSP-RZ-01	Moomba	MSP-DZ-06	Sydney	NSW	Y	Y	Y	Y			
2.63	MSP	MSP-RZ-01	Moomba	MSP-DZ-07	Canberra	NSW	Y	Y	Y	Y			
2.64	MSP	MSP-RZ-02	Sydney	MSP-DZ-01	Moomba	NSW	Y	Y	Y	Y			

Ref	Facility	Pipeline Receipt Zone	Receipt Zone Description	Pipeline Delivery Zone	Delivery Zone Description	Gas Day Area	DA	D	W	M	SIPP	DWGM	Description
2.65	VicHub	VicHub-RZ-01	EGP Zone	VicHub-DZ-01	DWGM interface Zone	NSW	Y	Y	Y	Y			
2.66	TGP	TGP-RZ-01	Longford Victoria	TGP-DZ-03	Bell Bay	TAS*	Y	Y	Y	Y			
2.67	TGP	TGP-RZ-01	Longford Victoria	TGP-DZ-04	Mid-section	TAS*	Y	Y	Y	Y			
2.68	TGP	TGP-RZ-01	Longford Victoria	TGP-DZ-05	Port Latta	TAS*	Y	Y	Y	Y			
2.69	AGP	AGP-RZ-01	Alice Springs	AGP-DZ-02	Tennant Creek	NT	Y	Y	Y	Y			
2.70	AGP	AGP-RZ-01	Alice Springs	AGP-DZ-04	Darwin	NT	Y	Y	Y	Y			
2.71	AGP	AGP-RZ-02	Bonaparte	AGP-DZ-01	Alice Springs	NT	Y	Y	Y	Y			
2.72	AGP	AGP-RZ-02	Bonaparte	AGP-DZ-02	Tennant Creek	NT	Y	Y	Y	Y			
2.73	AGP	AGP-RZ-02	Bonaparte	AGP-DZ-04	Darwin	NT	Y	Y	Y	Y			
2.74	AGP	AGP-RZ-03	Darwin	AGP-DZ-01	Alice Springs	NT	Y	Y	Y	Y			

SCHEDULE 8. PRODUCT SPECIFICATIONS FOR PARK SERVICE

This Schedule contains the Product Specifications for Park Services.

The table in item 1 sets out terms applicable to all Park Service Products.

Items 2 and 3 specify terms applicable to Products according to the Product tenor (item 2) or the location of the Transportation facility (item 3).

Item 4 lists all the Products by path and tenor.

1. General Specification

General Product Specification for Park Service Products	
Commodity	Park Service Capacity
First Trading Date	1 March 2019
Parcel Size	500 GJ
Price	The price is to be expressed in dollars per GJ of capacity.
Product Limits	Minimum Price: \$0/GJ Maximum Price \$999/GJ Maximum Quantity 50,000 GJ (50 TJ)
Unit	GJ
Admission to trade	Automatic
Partial acceptance of Orders	Permitted if specified in the Order.
Minimum Transaction Quantity	500 GJ unless a larger number is specified in the Order.
Expiry Time	Unless an earlier time is specified in the Order, an Order for Gas Day D expires at the end of the Trading Window.
Automatic withdrawal	Applicable to open Orders at the end of each trading day after 7:00 pm.
Order Quantity to be displayed	The whole of the Order Quantity will be displayed unless otherwise specified in the Order.
Delivery Netting	Applicable.
Pre-matched Trades	Permitted.
Special conditions	<p>(a) Each Trading Participant who submits an Order in relation to this Product represents and warrants for the purposes of this agreement that the Trading Participant has all necessary rights under an agreement with the Transportation Service Provider to deliver (in the case of the Seller) or accept (in the case of the Buyer) the Commodity.</p> <p>(b) Each Trading Participant who submits an Order in relation to this Product as Seller represents and warrants for the purposes of this agreement that the Trading Participant has Capacity specified in the Order available to Transfer, in a quantity at least equal to the Order Quantity and for the whole of the Service Term in the Order.</p> <p>(c) A Trading Participant who submits an Order in relation to this Product as Buyer acknowledges and agrees that its use of this Product is subject to the terms and conditions of the Buyer's Nominated Transportation Agreement, including terms relating to gas quality, gas pressure and maximum hourly quantity.</p>

2. Trading Windows

As specified for Physical Capacity in item 2 of Schedule 35.

3. Gas Day definitions for Physical Capacity

As specified for Physical Capacity in item 3 of Schedule 35.

4. Product lists

Refer to Product list in the following table. In the Product list:

- (a) the terms used in the column headed "Facility" have the meaning in the Transportation Service Point Register;
- (b) the "Gas Day Area" column indicates which Gas Day time applies to the Product;
- (c) the "Service Point" column indicates which Service Point capacity must be held at in order to use the Park Service;
- (d) the terms DA, D, W and M refer to Day-Ahead, Daily, Weekly and Monthly Product types, which have the Delivery Period and Trading Window specified for the Product type in item 2 above; and
- (e) Park Service on a Facility is offered as a Day-Ahead, Daily, Weekly or Monthly Product if there is a "Y" in the DA, D, W or M column for that Facility.

Park List 1: Products available for on-screen (continuous trading) and pre-matched trading

Ref	Facility	Service Point	Gas Day Area	DA	D	W	M
1.1	RBP	RBP Trade Point	QLD		Y	Y	Y
1.2	SWQP	Wallumbilla HP Trade Point	QLD		Y	Y	Y
1.3	SWQP	Moomba HP Trade Point	SA		Y	Y	Y
1.4	MAPS	Park account point	SA		Y	Y	Y
1.5	EGP	Longford (EGP)	NSW		Y	Y	Y
1.6	MSP	Wilton Trade Point	NSW		Y	Y	Y
1.7	MSP	Culcairn Trade Point	NSW		Y	Y	Y
1.8	TGP	TGP Notional Park Point	TAS*		Y	Y	Y

SCHEDULE 9. PRODUCT SPECIFICATIONS FOR COMPRESSION SERVICE

This Schedule contains the Product Specifications for Compression Service.

The table in item 1 sets out terms applicable to all Compression Service Products.

Items 2 and 3 specify terms applicable to Products according to the Product tenor (item 2) or the location of the Transportation facility (item 3).

Item 4 lists all the Products by Compression Service Facility and tenor.

1. General Specification

General Product Specification for Compression Service Products	
Commodity	Compression Service Capacity
First Trading Date	1 March 2019
Parcel Size	500 GJ
Price	The price is to be expressed in dollars per GJ of capacity.
Product Limits	Minimum Price: \$0/GJ Maximum Price \$999/GJ Maximum Quantity 50,000 GJ (50 TJ)
Unit	GJ
Admission to trade	Automatic
Partial acceptance of Orders	Permitted if specified in the Order.
Minimum Transaction Quantity	500 GJ unless a larger number is specified in the Order.
Expiry Time	Unless an earlier time is specified in the Order, an Order for Gas Day D expires at the end of the Trading Window.
Automatic withdrawal	Applicable to open Orders at the end of each trading day after 7:00 pm.
Order Quantity to be displayed	The whole of the Order Quantity will be displayed unless otherwise specified in the Order.
Delivery Netting	Applicable.
Pre-matched Trades	Permitted.
Special conditions	(a) Each Trading Participant who submits an Order in relation to this Product represents and warrants for the purposes of this agreement that the Trading Participant has all necessary rights under an agreement with the Transportation Service Provider to deliver (in the case of the Seller) or accept (in the case of the Buyer) the Commodity. (b) Each Trading Participant who submits an Order in relation to this Product as Seller represents and warrants for the purposes of this agreement that the Trading Participant has Capacity specified in the Order available to Transfer, in a quantity at least equal to the Order Quantity and for the whole of the Service Term in the Order. (c) A Trading Participant who submits an Order in relation to this Product as Buyer acknowledges and agrees that its use of this Product is subject to the terms and conditions of the Buyer's Nominated Transportation Agreement, including terms relating to gas quality, gas pressure and maximum hourly quantity.

2. Trading Windows

As specified for Physical Capacity in item 2 of Schedule 35.

3. Gas Day definitions for Physical Capacity

As specified for Physical Capacity in item 3 of Schedule 35.

4. Product list

Refer to Product list in the following table. In the Product list:

- (f) the terms used in the column headed "Facility" have the meaning in the Transportation Service Point Register;
- (g) the Gas Day Area column indicates which Gas Day time applies to the Product;
- (h) the terms DA, D, W and M refer to Day-Ahead, Daily, Weekly and Monthly Product types, which have the Delivery Period and Trading Window specified for the Product type in item 2 above; and
- (i) Compression Service on a Facility is offered as a Day-Ahead, Daily, Weekly or Monthly Product if there is a "Y" in the DA, D, W or M column for that Facility.

Product List for Compression Services

Compression Service List 1: Products available for on-screen (continuous trading) and pre-matched trading

Ref	Facility	Compression Receipt Zone	Compression Description	Compression Delivery Zone	Compression Description	Gas Day Area	DA	D	W	M
1.1	WCFA	WCFA-CRZ-01	Wallumbilla	WCFA-CDZ-01	Wallumbilla	QLD	Y	Y	Y	Y
1.2	WCFB	WCFB-CRZ-01	Wallumbilla	WCFB-CDZ-01	Wallumbilla	QLD	Y	Y	Y	Y
1.3	MCF	MCF-CRZ-01	Moomba	MCF-CDZ-01	Moomba	SA	Y	Y	Y	Y
1.4	BCF	BCF-CRZ-01	Ballera	BCF-CDZ-01	Ballera	QLD	Y	Y	Y	Y
1.5	ICF	ICF-CRZ-01	Iona	ICF-CDZ-01	Iona	VIC	Y	Y	Y	Y