Notice to Gas Supply Hub Exchange Members of AEMO's decision to make amendments to the Gas Supply Hub Procedures for the Moomba hub implementation

This Notice advises all Gas Supply Hub Exchange members and other interested stakeholders that AEMO has completed its consultation for the *Gas Supply Hub Proposed Procedure Amendment – Moomba*. AEMO proposed changes to GSH Procedures to support the trading of physical gas at Moomba as well as the trading of Spread products through the Gas Supply Hub.

Taking into account the assessment provided in the Impact and Implementation Report (IIR), AEMO has decided to make the proposed amendments to GSH procedures, effective from 1 June 2016.

The changes (as outlined in Attachment B) will be incorporated in:

- Version 3.0 of the *GSH Settlement and Prudential Procedure*: to support negatively priced orders for spread products; and
- Version 3.0 of the *Gas Supply Hub Interface Protocol*: reflecting a new version of the Guide to Gas Supply Hub Reports.

AEMO did not receive any submissions from stakeholders in response to the proposed amendments to the procedures as outlined in the IIR.

AEMO identified an error in version 1.4 of the *Guide to GSH Reports*. As outlined in Attachment A, the error has been corrected in version 1.5 of the *Guide to GSH Reports*.

As required by the Gas Supply Exchange Agreement clause 3.3(d) (iv), AEMO informs Participants that version 3.0 of the GSH Settlement and Prudential Procedure and version 3.0 of the Gas Supply Hub Interface Protocol will be effective from 1 June 2016.

Notice Date: 11 May 2016

Attachment A: Amendment to Guide to GSH Reports

AEMO identified an error in version 1.4 of the *Guide to the GSH Reports*.

Two new fields (Buyer_User_Name, Seller_User_Name) have been added to the *Trade Execution* report. The *Not Null* field was incorrectly specified as True for these new fields. As outlined below, this error has been corrected in version 1.5 of the *Guide to the GSH Reports*.

Field Name	Data Type	Not Null	Primary Key	Description	Examples
BUYER_USER_NAME	STRING(80)	False	False	Name of the buyer's account that made submission to the exchange.	abc_trader
SELLER_USER_NAME	STRING(80)	False	False	Name of the seller's account that made submission to the exchange.	abc_trader

Attachment B: Amendment to the GSH Procedures

This section details the proposed changes to GSH procedures to support the implementation of the Moomba project as outlined in IIR 006.

Blue represents additions. Red and strikeout represents deletions – Marked up changes.

1. GSH Settlement and Prudential Procedure

1.1 Settlement Equation Definitions

Term	Definition
Negative Value Transaction	Negative Value Transaction means any of the following: • a Transaction where Member m is the Seller with a Transaction Price greater than or equal to $0.00; and • a Transaction where Member m is the Buyer with a Transaction Price less than $0.00. – see clauses 5.2.2 and 5.2.3.
PGC(p,d)	Physical Gas Charge for a Gas Day ~~payable by~~ for a Buyer ~~to the Operator~~ for the Transaction Quantity under a Physical Gas Transaction – see clause 4.1.2.
PGP(p,d)	Physical Gas Payment for a Gas Day ~~payable by the Operator to~~ for a Seller for the Transaction Quantity under a Physical Gas Transaction – see clause 4.1.1.
Positive Value Transaction or Order	Positive Value Transaction or Order means any of the following: • a Bid by Member m with a Price greater than (or equal to) $0.00; • a Transaction where Member m is the Buyer with a Transaction Price greater than (or equal to) $0.00; • an Offer by Member m with a Price less than $0.00; and • a Transaction where Member m is the Seller with a Transaction Price less than $0.00. – see clauses 5.2.2 and 5.2.3.

5.2 Forward Exposure

5.2.2 Average Buy and Sell Price

(a) Average Buy Price for Member m, Gas Day d and Trading Location l:

$$ABP(m,d,l) = \Sigma_c \Sigma_{t'} (TP(t') \times TQ(t',d,c,l)) / \Sigma_c \Sigma_{t'} (TQ(t',d,c,l))$$

Where t' is a Positive Value Transaction or Order ~~Transaction or Order where~~ traded or submitted by Member m ~~is the Buyer~~.

(b) Average Sell Price for Member m, Gas Day d and Trading Location l:

$$ASP(m,d,l) = \Sigma_c \Sigma_{t''} (TP(t'') \times TQ(t'',d,c,l)) / \Sigma_c \Sigma_{t*} (TQ(t'',d,c,l))$$

Where t'' is a Negative Value Transaction ~~Transaction where~~ traded by Member m ~~is the Seller~~.

5.2.2 Trading Position

(a) Net Transaction Quantity for Member m for Gas Day d:

$$NTQ(m,d,l) = \Sigma_c \Sigma_{t'} TQ(t',d,c,l) - \Sigma_c \Sigma_{t''} TQ(t'',d,c,l)$$

Where:

(i) t' is a Positive Value Transaction or Order ~~Transaction or Order where~~ traded or submitted by Member m ~~is the Buyer~~.

(ii) t'' is a Negative Value Transaction ~~Transaction where~~ traded by Member m ~~is the Seller~~.

Offset Quantity for Member m for Gas Day d:

$$OFQ(m,d,l) = MIN(\Sigma_c \Sigma_{t'} (TQ(t',d,c,l)), \Sigma_c \Sigma_{t''} (TQ(t'',d,c,l)))$$

Where:

(i) t' is a Positive Value Transaction or Order ~~Transaction or Order where~~ traded or submitted by Member m ~~is the Buyer~~.

(ii) t'' is a Negative Value Transaction ~~Transaction where~~ traded by Member m ~~is the Seller~~.

5.2.3 Forward Trading Exposure

(a) Forward Trading Exposure for Member m:

$$FTE(m) = \Sigma_d \Sigma_l [If\{ NTQ(m,d,l) > 0,$$
$$Then\ NTQ(m,d,l) \times ABP(m,d,l) \times B(d),$$
$$Else\ NTQ(m,d,l) \times ASP(m,d,l) \times S(d)\}$$
$$+ OFQ(m,d,l) \times (ABP(m,d,l) - ASP(m,d,l)) \times (1+GST(d))]$$

Where Gas Day d ≥ processing day.

2. Gas Supply Hub Interface Protocol

4. GSH Interface Protocol Artefacts

FORM OF DOCUMENTATION	DOCUMENT	VERSION
Reports	**Guide to Gas Supply Hub Reports** Purpose: specify all of the reports published by the Operator on its Gas Hub Direct System (to trading participants and the public).	~~1.3~~ 1.4