

PARTICIPANT BUILD PACK 2 - GLOSSARY

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Document Approval and Acceptance

AEMO Approval

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Version History

VERSION	DATE	AUTHOR(S)	CHANGES AND COMMENTS
1.0	28/11/2001	G. Lyall	<ul style="list-style-type: none"> Initial release
1.1	22/02/2002	M.Kroumer	<ul style="list-style-type: none"> Updated Retail Gas Market Rules to version 10 Added ESC entry, ORG entry made obsolete Corrected Meter Installation Registration Number definition Definition of Permitted Retrospective Period has been updated in accordance with the version 10 of Rules Updated definition of Pressure Correction Factor Updated definition of Temperature Sensitivity Factor
1.2	05/04/2002	M.Kroumer	<ul style="list-style-type: none"> Updated reference to MSOR
1.3	23/02/2004	D.McGowan	<ul style="list-style-type: none"> Minor changes to introduction and approval section to accommodate post FRC operation.
1.4	18/07/2005	D.McGowan	<ul style="list-style-type: none"> Minor changes to approval section to reflect organisational changes
1.5	01/06/2009	D.McGowan	<ul style="list-style-type: none"> Minor changes to approval section to reflect organisational changes
3.0	01/07/2010	S. Monaco	<ul style="list-style-type: none"> Ensure document complies with AEMO standard and styles. Check and replace references (where applicable) to NGR with relevant NGR & RMP references. Update terminology to correspond with current usage and definitions Update acronyms to the current vernacular Replace obsolete references such as ORG Expand glossary Add References to Predecessors
3.1	01/01/2014	D. McGowan	<ul style="list-style-type: none"> IN004/12 – Redundant Provision and minor GIP and Spec Pack changes

Executive Summary

This document is the Participant Build Pack 2 - Glossary for delivery of the AEMO IT Systems to support the operation of Victorian Gas Retail Market.

References to Predecessors

To reflect the governance changes implemented on 1 July 2009, this document has been amended to remove references to the Victorian Energy Networks Corporation (VENCorp) and replace such references with Australian Energy Market Operator (AEMO). Where any content inadvertently refers to VENCorp it should be read as referring to AEMO.

It should be noted that participant ID “VENCORP” remains as the participant ID for AEMO as the gas market operator in Victoria and Queensland.



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1. Introduction

1.1 Purpose

The purpose of the Glossary document of Participant Build Pack 2 is to define all terms and definitions used in the PBP or terms relevant to the construction of the business or IT systems.

1.2 Audience

The document has been written for business and IT personnel within the *Market Participants, Distributors and Declared Transmission System Service Providers*, as well as AEMO business and IT personnel. It is expected that the audience will have a familiarity with the overall business endeavour of Gas Retail Market in Victoria and with the artefacts listed in the Related Documents section of this document.

1.3 Related Documents

There are a number of related documents or artefacts that have been issued as part of Participant Build Pack 1, or as part of this Participant Build Pack 2 and should be read in conjunction with this document. The table below defines these:

REF	ARTEFACT NAME	VERSION	RESPONSIBLE PARTY OR AUTHORS
1	Retail Market Procedures (Victoria)	Current version as published on AEMO's website	<i>Gas Retail Consultative Forum – Victoria (GRCF-V)</i>
2	National Gas Rules	Current version as published on AEMC's website, http://www.aemc.gov.au/	<i>Australian Energy Market Commission (AEMC)</i>

1.4 Definitions and Acronyms

All terms related to this document are defined within the body of this document.

1.5 Overview and Structure

This document is organised into sections as described below:

SECTION	DESCRIPTION
Acronyms and Abbreviations	This section contains all acronyms and abbreviations used in the PBP.
Definitions	This section contains all terms used in the PBP or terms relevant to the construction of the business or IT systems.

2. Acronyms and Abbreviations

TERM	MEANING
AEMC	<p>Australian Energy Market Commission.</p> <p>The Australian Energy Market Commission is the rule maker and developer for the nation's energy markets. As a national, independent body they make and amend the detailed rules for the National Electricity Market and elements of natural gas markets.</p>
AEMO	<p>Australian Energy Market Operator</p> <p>AEMO is responsible for managing the development, operations and planning of electricity and gas markets across Australia. AEMO manages the National Electricity Market (NEM) and the retail and wholesale gas markets of southern and eastern Australia.</p> <p>The gas retail market role for Victoria, Queensland, South Australia, New South Wales and Australian Capital Territory entails providing systems to allow gas customers to transfer from one supplier to another. AEMO also facilitates industry consultation and processes for ongoing development of the gas retail procedures that underpin these systems as well as the interfaces that allow Distributors and Retailers to interact with one another.</p>
AER	Australian Energy Regulator
API	Application Programming Interface
aseXML	A Standard for Energy Transactions in XML
ASWG	The aseXML Standards Working Group
B2B	Business to Business
B2M	Business to Market Operator (AEMO)
BL	Base Load
BM	Basic Meter
BMDM	Basic Meter Data Manager
BMP	Basic Meter Profiling system
CATS	Customer Administration and Transfer Solution

TERM	MEANING
CIS	Customer Information System
COC	Certificate of Compliance
CSV	Comma Separated Values
CTM	Custody Transfer Meter
DB	Distribution Business
DBBA	Distribution Business Boundary Area
DM	Daily Meters (Interval Meters)
DUoS	Distribution Use of System
ebXML	A protocol neutral, XML based system for exchanging business messages. ebXML layers technologies on the emerging Web Services and SOAP technologies to provide collaboration, security, and reliability
EIC	Explicit Informed Consent
ESV	Energy Safe Victoria
FBS/FBS B2B System	Full Retail Contestability Business to Business System
FRC	Full Retail Contestability
FRO	Financially Responsible Organisation
GIA	Gas Industry Act 2001 (Vic)
GIP	Gas Interface Protocol
GJ	Gigajoule
GRCF-V	Gas Retail Consultative Forum - Victoria
GTPWG	Gas Transaction Protocol Working Group.
GUI	Graphical User Interface
IM	Interval Meter

TERM	MEANING
IP	Inter-networking Protocol
LCC	Local Capacity Charge
LM	Logical Meter
M&S	Metering and Settlement system
M2B	Market Operator (AEMO) to Business
MBMR	Manual Basic Meter Reader
MDA	Meter Data Agent
MIBB	Market Information Bulletin Board
MIRN	Meter Installation Registration Number
MSH	Message Service Handler for ebXML gateways.
MSOR	The Victorian Gas Industry Market and System Operations Rules published in the Government Gazette dated 4 February 1999. Obsolete from 1 July 2009. See NGR
NEM	National Electricity Market
NGL	National Gas Law
NGR	National Gas Rules
NGVA	National Gas (Victoria) Act 2008
NMI	National Metering Identifier. See MIRN.
NSL	Net System Load
NSLP	Net System Load Profile
OGS	Office Gas Safety – replaced by ESV
PBP	Participant Build Pack
PCF	Pressure Correction Factor

TERM	MEANING
PDE	Personal Data Entry
PKI	Public Key Infrastructure
PPS	Profile Preparation System
PTS	Presentation Time Stamp
RB	Retail Business
RMP	Retail Market Procedures (Victoria)
RP	Responsible Person
RPS	Reference Participant Site, against which participants will be able to test and certify aseXML schema implementation, and ebXML Message Service Handler interoperability.
SOAP	Simple Object Access Protocol. This is the fundamental packaging unit in the emerging Web Services technologies.
SPED	Settlement Period End Date
SPSD	Settlement Period Start Date (usually 1/MM/YY)
TSF	Temperature Sensitivity Factor
TSSP	Transmission System Service Provider
TXF	Transfer
UAFG	UnAccounted For Gas
UML	Unified Modelling Language
VGIN	Victorian Gas Industry Network
XML	eXtensible Markup Language

3. Definitions

TERM	MEANING
1 st Tier MIRN	MIRN where the current FRO is the Declared Host Retailer
2 nd Tier MIRN	See definition for 'second tier supply point', as defined in RMP, clause 1.1.1 Ref. [1].
Actual Meter Reading	Figures or other information shown on a metering register or instrument either read or collected directly or transmitted or transformed by electronic, radio, microwave, sonic or other means.
AEMO Meter Register	As defined in Part 19, rule 200, NGR Ref. [2].
AEMO Metering Database	As defined in Part 19, rule 200, NGR Ref. [2].
Affected FRO	In relation to a Supply Point, the person identified as the Market Participant responsible for the wholesale energy at the Supply Point affected by a transaction.
Affected Participant	As defined in Part 19, rule 200, NGR Ref. [2].
Aged Debt	<p>In relation to a person at any time, an amount or amounts owed by that person to a Market Participant for the sale of gas by the Market Participant to that person where, at that time, the amount or the aggregate of those amounts:</p> <ul style="list-style-type: none"> (a) exceeds \$100; and (b) has been due and payable for more than 40 business days.
Allowable Period	<p>Either:</p> <ul style="list-style-type: none"> (a) in relation to a transfer request notification lodged without a customer no-change statement, the period commencing on the 10th business day prior to the proposed transfer date and expiring on the fourth business day after the proposed transfer date; or (b) in relation to a transfer request notification lodged with a customer no-change statement, the period commencing on the fourth business day prior to the proposed transfer date and expiring on the fourth business day after the proposed transfer date.
Alternative Transfer Date Notice	As defined in RMP, clause 1.1.1 Ref. [1].

TERM	MEANING
Alternative Transfer Date Notification	As defined in RMP, clause 1.1.1 Ref. [1].
Approved Estimation Methodology	The estimation methodology contained in Attachment 4 or such other estimation methodology as is approved from time to time by the AEMO on the request of a Distributor.
Approved Substitution Methodology	The substitution methodology contained in Attachment 5 or such other substitution methodology as is approved from time to time by the AEMO on the request of a Distributor.
Approved Validation Methodology	The validation methodology contained in Attachment 3 or such other validation methodology as is approved from time to time by the AEMO on the request of a Distributor.
Average Heating Value	As defined in RMP, clause 1.1.1 Ref. [1].
Base Load	In relation to a distribution supply point, means the level of gas consumption at that supply point that is not affected by the weather.
Basic Meter	A meter without a data logger.
Business Day	A day other than Saturday, Sunday or a day that has been proclaimed to be a public holiday in the Melbourne metropolitan area.
Checksum	In relation to a MIRN, a single digit used to validate the correct entry of a MIRN in a database entry field.
Consumed Energy	As defined in RMP, clause 1.1.1 Ref. [1].
Current FRO	In relation to a Supply Point, the person identified as the Market Participant responsible for the wholesale energy at the Supply Point and from whom the Supply Point is being transferred from.
Custody Transfer Meter	A Custody Transfer Meter is used to measure the volume of gas entering or leaving the gas transmission system.
Customer	A person who consumes gas at a supply point.
Customer Characterisation	<p>In relation to a customer, whether the customer is:</p> <p>(a) metropolitan or non-metropolitan (where “metropolitan” refers to the Melbourne metropolitan area), as published by the</p>

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	<p>Department of Infrastructure (or its successor); and</p> <p>(b) residential or business, where residential means the primary use of the consumed energy is for household purposes and business means the primary use of the consumed energy is for commercial type purposes as determined by the retail business for customer billing.</p>
Customer No-change Statement	As defined in RMP, clause 1.1.1 Ref. [1].
Customer-own Read	A read undertaken by a customer of a Retailer details of which are provided by the customer by telephone or in writing to the Retailer or in writing to the Distributor for the distribution area in which the distribution supply point to which the meter relates is located.
Data Provision Period	Where the proposed transfer date nominated in a transfer request is a prospective transfer date, the period commencing on the first business day of the allowable period and expiring at midnight on the first business day after the business day on which the allowable period expires.
Declared Host Retailer	As defined in part 19, rule 200, NGR Ref. [2]
Distribution Supply Point	A point on a distribution pipeline at which gas is withdrawn from the distribution pipeline and delivered to a person who purchases that gas and consumes it at particular premises.
Distributor	As defined in part 19, rule 200, NGR Ref. [2]
e-Commerce	"e-Commerce" is a general term, meaning commercial transaction processing using electronic means. It is most often used to refer to buying and selling products over the Internet. E-Commerce can be conducted over alternative networks, other than the Internet. B2B is a subset of e-Commerce.
Effective Degree Day	As defined in RMP, clause 1.1.1 Ref. [1].
Energy Data	Data relating to the volume, pressure and temperature of gas.
Estimated Meter Reading	An estimate of an actual meter reading that is made under these Rules in accordance with an approved estimation methodology or a customer-own read.

TERM	MEANING
Existing Transfer Request	As defined in RMP, clause 1.1.1 Ref. [1].
Explicit Informed Consent	<p>Consent that satisfies the requirements for explicit informed consent as set out in the Energy Retail Code dated January 2009 published by the jurisdictional regulator for Victoria as amended from time to time.</p> <p>OR</p> <p>As defined in RMP, clause 1.1.1 Ref. [1].</p>
FBS Administration	The party responsible for administering the FRC B2B System. Currently this is AEMO.
FBS Certificate Authority	This is the component that will administer X509v3 keys in the FBS. This includes distribution of keys to the participant PKI.
Financially Responsible Organisation	In relation to a supply point at any time, the person identified at that time in the AEMO meter register as the Market Participant responsible for settling the account relating to that supply point.
Flow	The difference between a validated meter reading and the immediately preceding validated meter reading.
Flow Rate	The rate at which gas flows passes a point on the transmission system in an hour, expressed in GJ/hour.
FRC date	26 October 2002.
FRC Hub	The FRC Hub is an XML Gateway that acts as a central transit point for all B2B transactions for participants in the VGI. The key characteristic of the Hub compared to a Gateway is that the hub receives and routes all messages, so there is additional emphasis on routing, throughput, availability and management tools.
Gas Chromatograph	<p>A Gas Chromatograph is an instrument measuring gas composition in the transmission system, and used in monitoring gas quality and in determining Zonal Heating Values.</p> <p>A Gas Chromatograph has a MIRN assigned to it.</p>
Gas Day	A period of 24 consecutive hours beginning at 6:00am.
Gas Interface Protocol	As defined in RMP, clause 1.1.1 Ref. [1].

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Hansen Network	Hansen's Network is an IP based network supplied by Hansen Technologies with each participant negotiating service levels and costs independently. It is interconnected with the Internet.
Heating Value Zone	In relation to a supply point, the heating value zone (if any) which is determined by AEMO as the heating value zone for that supply point.
Hub and Spoke	In a hub approach a transaction is first sent by an originating participant's gateway to a hub; the hub then redirects the transaction to the target participant's gateway. The alternative is a peer-to-peer approach.
Interval Meter	A meter with a data logger.
Logical Meter	A Logical Meter is where the readings are derived mathematically from other meters
Market	As defined in part 19, rule 200, NGR Ref. [2]
Market Customer	As defined in part 19, rule 200, NGR Ref. [2]
Market Information Bulletin Board	Facility established by AEMO on the electronic communication system on which it may publish information which is then available to and maybe accessed by Market Participants.
Market Participant	As defined in part 19, rule 200, NGR Ref. [2].
Message	Refers to a single XML envelope sent between two participants' XML gateways, via a hub. A message can contain multiple transactions. A transaction exchange may require multiple messages.
Meter	A device which measures and records the volume of gas passing through it and includes associated equipment attached to the instrument to filter, control or regulate the flow of gas.
Meter Data Database	As defined in RMP, clause 1.1.1 Ref. [1].
Meter Installation Registration Number (MIRN)	<p>In relation to a supply point at any time, the meter installation registration number for that supply point as recorded at that time:</p> <ul style="list-style-type: none"> (a) where the Supply Point is a distribution supply point, in the MIRN database of the Distributor in whose distribution area that supply point is located; and (b) where the supply point is a transmission supply point, in the

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	<p>metering register, including the checksum for that MIRN.</p> <p>Please note that acronyms MIRN (Meter Installation Registration Number) and NMI (National Meter Identifier) are used in this document interchangeably.</p> <p>A MIRN is a sub-class of NMI.</p>
Meter Number	In respect of a meter, means a unique identification number allocated to the meter.
Meter Reading	An actual meter reading, estimated meter reading or substituted meter reading. A reference to a meter reading in respect of a particular date or reading period is to the reading that has most recently been included in the meter data database in respect of that date or reading period.
Meter Reading Period	In respect of a distribution supply point, the period (such as one month or two months) between scheduled read dates for that distribution supply point.
Meter Reading Schedule	As defined in RMP clause 1.1.1 Ref. [1].
Metering	Recording the volume and quantity of gas.
Metering Communications Procedures	As defined in Part 19, rule 200 NGR Ref. [2].
Metering Data	As defined in Part 19, rule 200, NGR Ref. [2].
Metering Database	As defined in Part 19, rule 200, NGR Ref. [2].
Metering Installation	As defined in Part 19, rule 200, NGR Ref. [2].
Metering Point	The point of physical connection of a meter to a pipeline.
Metering Register	As defined in Part 19, rule 200, NGR Ref. [2].
MIRN database	As defined in RMP clause 1.1.1 Ref. [1].
MIRN discovery request	As defined in RMP clause 1.1.1 Ref. [1]
nack	Negative Acknowledgements

TERM	MEANING
New FRO	In relation to a Supply Point, the person identified as the Market Participant who will be responsible for the wholesale energy at the Supply Point after a transfer transaction has been successfully completed.
Objection Notice	As defined in RMP, clause 1.1.1 Ref. [1].
Objection Notification	As defined in RMP, clause 1.1.1 Ref. [1].
Objection Withdrawal Notice	As defined in RMP, clause 1.1.1 Ref. [1].
Objection Withdrawal Notification	As defined in RMP, clause 1.1.1 Ref. [1].
Participant	As defined in Part 15A, rule 135AB(4) NGR Ref. [2].
Participant Build Packs	The Participant Build Packs are a set of documents that detail the technical standards and business processes that enable participants to pass information between each other in a uniform method. This set of documentation comprises the Gas Interface Protocol.
Permitted Prospective Period	In relation to a transfer request, the period of 66 business days commencing on (and including) the day on which the transfer request is delivered to AEMO.
Permitted Retrospective Period	In relation to a transfer request, the period of 118 business days expiring immediately before the day on which the transfer request is delivered to AEMO.
Pipeline Owner	A person who owns (either legally or equitably) the whole or any part of a pipeline.
Pressure Correction Factor	The value applied to reflect the difference in volume of gas at the pressure at which its volume is measured, and the volume of that gas at standard metric conditions.
Procedures	Retail Market Procedures (Victoria) Ref. [1].
Proposed Transfer Date	In relation to a transfer request, the day nominated in that transfer request as the day with effect from which the Market Participant who delivers the transfer request to AEMO is to be registered in the AEMO meter register as the FRO for the supply point to which the transfer request relates.

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Prospective Transfer Date	In relation to a transfer request, a day which is on or after the day on which the transfer request is delivered to AEMO.
Protocols	Protocols are the various standards used to define how communications are handled at various levels. There are usually several protocols that might be used at each layer or sub-layer.
Publish	The posting of information on the market information bulletin board or the AEMO website.
Read	The process of collecting figures or other information from a meter either directly or through being transmitted or transformed by electronic, radio, microwave, sonic or other means.
Read Failure Notice	As defined in the RMP, clause 1.1.1 Ref. [1].
Reading Period	As defined in RMP clause 1.1.1 Ref. [1].
Responsible Person	As defined in NGR, rule 292 Ref. [2].
Retail Market Procedures	The Retail Market Procedures of the adoptive jurisdiction.
Retailer	A 'Market Participant – Retailer' as defined in Part 15A, rule 135AB NGR Ref. [2].
Retrospective Transfer Date	In relation to a transfer request, a day which is before the day on which the transfer request is delivered to AEMO.
Retrospectively Affected FRO	In relation to a transfer request which nominates a retrospective transfer date as the proposed transfer date, the person whose period of registration in the AEMO meter register as the FRO for the supply point to which the transfer request relates would be decreased or eliminated if the Market Participant who delivered the transfer request to AEMO were to be registered in the AEMO meter register as the FRO for that supply point with effect from the retrospective transfer date.
Scheduled Read Date	In respect of a meter relating to a distribution supply point, a day specified in the applicable meter reading schedule as a day on which the Distributor is to read that meter.
Second Tier Supply Point	A distribution supply point in respect of which the FRO is a person other than the declared host Retailer. For the avoidance of doubt, in a distribution pipeline that is not part of a declared distribution system that

TERM	MEANING
	operates under a global energy allocation regime this means all supply points are recognised as a second tier supply point.
Settlement	The determination of trading imbalances, trading amounts and settlement amounts in respect of Market Participants who trade in the market.
Site Access Information	In relation to a meter, information and safety instructions that are relevant to locating and reading that meter.
Site Address	In relation to a supply point, the address of the premises (street number, street, suburb and city/town, or their equivalents) to which gas is supplied at that supply point.
Special Read	A read undertaken other than in accordance with a meter reading schedule.
Special Read Date	The date nominated by a Retailer as the date on which a Distributor is to perform a special read.
Special Read Request	A request for a special read in the form prescribed by the relevant Distributor.
Substituted Meter Reading	A reading that is substituted under these Rules for an actual meter reading in accordance with an approved substitution methodology.
Supply Point	A transmission supply point or a distribution supply point.
Temperature Sensitivity Factor	As defined in RMP, clause 1.1.1 Ref. [1].
Time Stamp	The means of identifying the time and date of transmission or receipt of data.
Trader	As defined in Part 15A, rule 135A NGR Ref. [2].
Transaction	A “Transaction” is different from “message” in the same way that a letter is different from an envelope. A message contains one or more transactions. A transaction originates in a participant’s back-end systems, and its destination is another participant’s back-end systems. The transaction is wrapped in an XML message to facilitate transport to its destination.
Transaction Exchange	“Transaction Exchange” refers to a group of several transactions that are exchanged by two participants over a period of time to effect, for example,

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	initiating a customer transfer
Transfer Request	In relation to a supply point, a request by a Market Participant to AEMO to register that Market Participant in the AEMO meter register as the FRO for that supply point.
Transfer Request Notification	As defined in RMP, clause 1.1.1 Ref. [1].
Transfer Withdrawal Notice	As defined in RMP, clause 1.1.1 Ref. [1].
Transmission Supply Point	A point on the transmission system at which gas is withdrawn from the transmission system and delivered to a person who purchases that gas and consumes it at a particular premise.
Transmission system	As defined in RMP, clause 1.1.1 Ref. [1].
Transmission System Service Provider	As defined in part 15A, rule 135A NGR Ref. [2] (previously known as Transmission Pipeline Owner).
Unified Modelling Language	A notation and specification for modelling business and software systems in an Object-Oriented manner.
Validated Meter Reading	A meter reading that has been validated in accordance with the approved validation methodology.
XML Gateway	<p>An XML Gateway is a server or group of servers that has the following functions and tools:</p> <ul style="list-style-type: none"> The ability to translate transactions between back-end systems and XML. The ability to parse XML messages against an XML schema to identify if they are well formed. The ability to receive and send XML messages over a variety of standard transport protocols. Tools to define and apply business rules for routing, acknowledging and tracking XML transactions between participants and back-end applications. Development Tools to allow integration with a variety of back-end systems. <p>An XML Gateway may be a part of a larger, full function, e-commerce server farm.</p>