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**Western Australian Electricity Market  
Build Pack  
Glossary**

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November 2019 July 2008

## DOCUMENT RELEASE INFORMATION

Client	Metering Services
Project Name	WAEM Build Pack
Document Number	Published version #5364090 Source version #4915495
Document Title	Glossary
Revision Status	2.2

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## Document history

<b>Version</b>	<b>Date</b>	<b>Changes</b>
2.0	6 Nov 2006	Initial version
2.1	24 Jul 2008	Updated as part of Build pack V2.1 revision Include role definitions
<u>2.2</u>	<u>29 Nov 2019</u>	<u>Amendments to support Advance Metering Infrastructure</u>

## Table of Contents

1	INTRODUCTION	1
	1.1 Purpose	1
	1.2 Commencement	1
	1.3 Interpretation	1
	1.4 Related Documents	1
2	GLOSSARY	1
3	ACRONYMS	7

## 1 Introduction

### 1.1 Purpose

The purpose of this document is to provide an explanation of the terminology covered by the Western Australian Electricity Market Build Pack.

### 1.2 Commencement

This document comes into operation in accordance with the Electricity Industry Customer Transfer Code 2004 Communication Rules and the Electricity Industry Metering Code 2005 Communication Rules, hereafter referred to as the Customer Transfer Code (CTC) and Metering Code (MC) respectively.

### 1.3 Interpretation

This document is to be interpreted in accordance with Section(s) 1.4 (1) of the Customer Transfer Code and Metering Code.

### 1.4 Related Documents

This document should be read in conjunction with the other documents contained within the Western Australian Electricity Market Build Pack, as defined in the Western Australian Electricity Market Build Pack – Usage Guidelines.

## 2 Glossary

Term	Definition
Active	In relation to a NMI, means that the exit point or embedded network child is not greenfield and has at least one current meter.
Actual Reading	A meter reading that is obtained from a metering installation or data logger. In NEM12 and NEM 13 files, actual readings have a Quality Flag of "A".
<u>Advanced Metering Infrastructure</u>	<u>An integrated system of meters, telecommunications networks and data management systems that enable two-way communication between meters and the Network Operator for the upload and download of data, commands and the provision of advanced metering services from a remote locality.</u>
<u>AMI Meter</u>	<u>A meter with an activated communications link and capability for two-way communication between the meter and the Network Operator for the upload and download of data, commands and the provision of metering services from a remote locality.</u>
<u>AMI Compatible Meter</u>	<u>A meter without an activated communication link, which is capable of two-way communication between the meter and the Network Operator and the provision of metering services from a remote locality, through the installation and activation of a communications link and supporting Advanced Metering Infrastructure.</u>
<u>Basic Meter</u>	<u>A meter without a communications link which records accumulated energy data.</u>
Build Pack	The set of documents specified in Part 4 of the Customer Transfer Code Communication Rules and Part 4 of the Metering Code Communication Rules.

<b>Term</b>	<b>Definition</b>
Business-to-Business facilities	Also known as B2B, is a generic term used to refer to defined business-to-business interactions between Retailers and the Network Operator.
Business Day	Any day that is not a Saturday, Sunday or public holiday (as per the Customer Transfer Code).
Checksum	<i>See NMI Checksum.</i>
Close of Business	Means 5:00pm Western Standard Time
Code Participant	Means a person identified in clause 1.2 of the Metering Code
Connection Point	A point of supply on a covered network identified in an access contract as an entry point or an exit point.
Contestable Customer	A customer at a connection point where the amount of electricity transferred at the exit point exceeds the amount prescribed under Section 93 of the Electricity Corporation Act 1994 or under another enactment dealing with the progressive introduction of customer contestability.
Correction Transfer	A transfer to reverse an erroneous standard transfer.
Consultation	A discussion to be entered into between code participants with the intent of reaching an outcome that is acceptable to all parties where practically possible.
Current	In relation to a meter, means that the meter is installed at the exit point and energised to allow the supply of electricity.
Current Retailer	In relation to a CTR, means the retailer who, at that point in time, is supplying the contestable customer. In all other instances relates to the retailer responsible for the NMI.
Customer	A person to whom electricity is sold for the purpose of consumption.
Customer Transfer Code	Also referred to as the CTC, refers to the Electricity Industry Customer Transfer Code 2004.
Customer Transfer Code Communication Rules	The Electricity Industry Customer Transfer Code 2004 Communication Rules.
Day	Unless otherwise specified, the 24 hour period beginning and ending at midnight Western Standard Time (WST).
De-energised (1)	In relation to a meter, means that the meter is installed at the exit point but is de-energised or disconnected, temporarily preventing the supply of electricity.
De-energised (2)	In relation to a NMI, means that the exit point or embedded network child is not greenfield and has no current meter.
Discovery Process	A process by which a retailer can request the NMI for an exit point by supplying either a meter number or a partial supply address.
Embedded Network Child	A collection of one or more sub meters, belonging to the same embedded network parent exit point. Although uniquely identified by a NMI, an embedded network child is not an exit point but part of its embedded network parent exit point, and is not contestable or transferable in its own right.
Embedded Network Parent	An exit point, which has one or more sub meters.
Entry Point	A point on a covered network identified as such in an access contract at which, subject to the access contract, electricity is more likely to be transferred into the network than transferred out of the network;
Erroneous Transfer	A transfer that was made without the verifiable consent of the contestable customer that was transferred.

<b>Term</b>	<b>Definition</b>
Event Code	Event Codes are included in a response to a request or notification to indicate if a request or notification was accepted or if there is an issue.
Exit Point	A point on a covered network identified as such in an access contract at which, subject to the access contract, electricity is more likely to be transferred out of the network than transferred into the network.
Extinct	In relation to a NMI, this means permanently disconnected such that electricity will never again be supplied at the exit point or embedded network child.
Final Substitute Reading	Substitutions that are considered to be of a permanent or final nature and will not be replaced by actual data. In NEM12 and NEM13 files, final substitute readings have a Quality Flag of 'F'.
Financially Responsible Market Participant	The code participant who is financially responsible to the network operator for the connection point. See the Market Roles document, which forms part of the Build Pack, for more details.
Franchise Customer	A customer other than a contestable customer.
Full Retail Contestability	The stage of competition at which every customer has the opportunity to choose his or her retailer.
Glossary	The Build Pack component document Western Australian Electricity Market Build Pack – Glossary.
Greenfield	In relation to NMI, means that the new connection service order for the exit point has not yet been completed, but for which some standing data is available.
Historical Consumption Data	A retailer may request Historical Consumption Data of customers that they may or may not “own”. The data is provided in MDFF NEM12 for Interval Meters or NEM13 for basic meters.
Independent Market Operator	A body corporate organisation who is responsible for the administration and operation of the Western Australian Electricity Market in accordance with the Market Rules.
Incoming Retailer	In relation to a Customer Transfer Request, means the Retailer that will supply the contestable customer after the transfer occurs. See the Market Roles document, which forms part of the Build Pack, for more details.
Infrastructure User Guide	The Build Pack component document Western Australian Electricity Market Build Pack – Infrastructure User Guide.
Installed Meter	This is a meter with a status of current or de-energised.
Jurisdiction	The locality to which an exit point for the purposes of determining the regulations that apply to it. Always “WA” for the Western Australian Electricity Market.
Lead Days	The number of business days allowed for the completion of Service Order Requests in accordance with the Metering Code Model Service Level Agreement.
List of Codes	The Build Pack component document Western Australian Electricity Market Build Pack – List of Codes and Events.
Local Network Service Provider	A person who engages in the activity of owning, controlling, or operating a transmission or distribution system and who is registered in that capacity with NEMMCO. See the Market Roles document, which forms part of the Build Pack, for more details.

Term	Definition
Local Retailer	<p>In relation to a local area, the code participant who is:</p> <ol style="list-style-type: none"> <li>1. A business unit or related body corporate of the relevant Local Network Service Provider; or</li> <li>2. Responsible under the laws of the relevant participating jurisdiction for the supply of electricity to non-contestable customers in that local area; or</li> </ol>
Message Acknowledgement	A waeXML response to a waeXML message to confirm that a message has been received, is readable and passes business rule validation.
Metering Business System	The name of the Metering Registry used by the Network Operator. <i>See also Metering Registry.</i>
Metering Registry	This is the system used by the Network Operator to maintain and manage requests from retailers and metering data in accordance with the Customer Transfer Code and the Metering Code.
Metering Code	Also known as MC, this means the Western Australian Electricity Industry Metering Code 2005.
Metering Code Communication Rules	The Western Australian Electricity Industry Metering Code 2005 Communication Rules.
Metering Data Agent	The electricity networks corporation appointed under clause 5.29(a) of the Electricity Industry Metering Code 2005 as the network operator's metering data agent for the network.
Metering Data Base	<i>See Metering Registry.</i>
Meter Data Processor	The person responsible for the collection, processing and transfer of metering data.
Meter Number	The unique identifier of the physical meter, eg '0111000123' or '410AM88657'.
Meter Read	A meter reading obtained through either a scheduled read or a special read or an estimated read or a consumer read.
Meter Type 1-4	Remotely read interval meters (as per Electricity Industry Metering Code 2005).
Meter Type 5	Manually Read interval meters (as per Electricity Industry Metering Code 2005).
Meter Type 6	Basic meters (as per Electricity Industry Metering Code 2005).
Meter Type 7	Unmetered Supplies (eg. Street lights) (as per Electricity Industry Metering Code 2005).
Metropolitan Areas	Includes those areas as defined in the WA Metropolitan Region Town Planning Scheme Act 1959; the local government district of Mandurah, the local government district of Murray and the areas constituted by: the townsite of Albany, the townsite of Bunbury; the townsite of Geraldton; the townsites of Kalgoorlie and Boulder, the townsite of Karratha, the townsites of Port Headland and South Headland.
Negative Acknowledgement	A negative acknowledgement from one system to another that signifies that the transaction was validated and was found to be NOT valid. The transaction will not be actioned. Generally referred to as a "NACK". The "NACK" will provide explanation of why the transaction was not valid by way of an event code.

<b>Term</b>	<b>Definition</b>
Network Operator	A person who holds a distribution licence, integrated regional licence or transmission licence under Part 2 of the Electricity Industry Act 2004. See the Market Roles document, which forms part of the Build Pack, for more details.
Network Tariff	The rate the network business charges the retailer for the use of their network.
National Metering Identifier	The unique market identifier assigned to an exit point or embedded network child. The NMI is 10 digits in length.
NMI Checksum	The single digit numeric identifier that is used to reduce the frequency of NMI data entry errors. It is calculated as per the National Metering Identifier (NMI) Procedure provided by NEMMCO ( <a href="http://www.nemmco.com.au/meteringandretail/me_qn059V004.pdf">http://www.nemmco.com.au/meteringandretail/me_qn059V004.pdf</a> ).
NMI Standing Data Notification	See the Customer Transfer and Standing Data Procedure document, that forms part of the Build Pack, for more details.
NMI Status	A code that identifies the status of a NMI e.g. Active, Extinct etc.
Positive Acknowledgement	A positive acknowledgement from one system to another that signifies that the transaction was validated and was found to be valid. The transaction will be actioned. Generally referred to as an "ACK".
Previous Retailer	A retailer that at some point was the FRMP for the NMI.
Prospective Retailer	A potential retailer who has not submitted a customer transfer request.
Removed	In relation to a meter, means a meter that is no longer installed at the exit point.
Request Day	For requests submitted by a retailer during business hours, this is the business day on which the request was submitted. For requests submitted at other times, this is the first business day commencing after the request was submitted.
Response Code	As defined in the Enumerated Lists section of the Build Pack component document Western Australian Electricity Market Build Pack – System Interface Definitions.
Responsible Person	The person who has responsibility for the provision of a metering installation for a particular connection point, being either the Local Network Service Provider or the Market Participant
Retailer	A person who holds a retail license or integrated regional licence under Part 2 of the Electricity Industry Act 2004, and if any enactment (including regulations made under section 31A of the Electricity Corporation Act 1994) has the effect of deeming the relevant licence to be held by a part of the person, then that part.
Standard Transfer	This is submitted by a retailer to transfer a contestable customer's exit point to that retailer using a CTR with a CR Code of '1000'.
Standing Data	The categories of data required to be made available to Code for the purpose of pre-consent market facilitation. This does not include any metering data or other details of an end-use customer's consumption at that connection point.
Structured Address	The structured address format contains the following information: Flat Type, Flat Number, Floor Type, Floor Number, House Number, House Suffix, Lot Number, Location Number, Street Name, Street Type and Street Suffix. This structured address is different to the Australian Standard AS4509-1999 with the inclusion of the "Location Number" field for use within the Western Australian Market.

<b>Term</b>	<b>Definition</b>
Substitute Reading	This refers to metering data that is substituted, in accordance with Appendix 3 of the Electricity Industry Metering Code 2005, due to actual readings not being gathered from the metering installation or data logger, or where readings have failed validation. In NEM12 and NEM13 files, these readings have a Quality Flag of 'S', while final substitute readings (that are considered to be of a permanent or final nature and will not be replaced by actual data) have a Quality Flag of 'F'.
Supply Address	The physical address of an exit point, in a structured address format specified in the System Interface Definitions document that forms part of the Build Pack. (The supply address includes a Western Australian specific field – "location number").
Trading Day	The definition of which, as currently specified in the market rules is: This is a period of 24 hours commencing at 8am on any day after Energy Market Commencement (except where the IMO declares that part of a trading day is to be treated as a full trading day).
Usage Guidelines	The Build Pack component document Western Australian Electricity Market Build Pack – Usage Guidelines.
Web Portal	A web enabled application, accessed through an internet browser, which allows Retail users to interface with the Network Operator's Metering Registry to support their processes relating to customer interaction. The network operator web portal may be accessed at: <a href="https://services.westernpower.com.au/online/nbu">https://services.westernpower.com.au/online/nbu</a> .
Metering Service Centre Functional Specification	The Build Pack component document Western Australian Electricity Market Build Pack – Metering Service Centre Functional Specification.
Metering Service Centre User Task Manual	The Build Pack component document Western Australian Electricity Market Build Pack – Metering Service Centre User Task Manual.
Web Services	A platform independent standard based on XML to communicate within distributed systems. The main protocol defining the kind of communication to a web service is SOAP.
WA B2B Procedures	A suite of documents that forms part of the Western Australian Electricity Market Build Pack. See the Usage Guidelines for more details.
Customer Transfer and Standing Data Procedure	The Build Pack component document Western Australian Electricity Market Build Pack – Customer Transfer and Standing Data Procedure. See the Usage Guidelines for more details.
NMI Discovery and Bulk Standing Data Procedure	The Build Pack component document Western Australian Electricity Market Build Pack – NMI Discovery and Bulk Standing Data Procedure. See the Usage Guidelines for more details.

### 3 Acronyms

The table below provides definitions of the acronyms used in the Western Australian Electricity Market Build Pack.

Acronym	Definition
ACK	A Positive Acknowledgement from one system to another that signifies that the request or service order was validated and was found to be valid. The request or service order will be actioned.
AMI	<u>Advanced Metering Infrastructure</u>
aseXML	Australian Standard Electricity Extensible Market Language. A standard for Energy Transactions in XML. It is XML schema designed to accommodate the necessary transactions required to operate the energy market.
B2B	Business to Business. Interactions between two or more independent business entities.
CMD	Contracted Maximum Demand.
COB	Close of Business.
CSR	Certificate Signing Request.
CSV File	This refers to a Comma-Separated Values file, which contains the values in a table as a series of text lines organized where: 1) each column value is separated by a comma from the next column's value 2) each row starts a new line. A CSV file is a way to collect the data from any table so that it can be conveyed as input to another table-oriented application.
CTC	This refers to the Electricity Industry Customer Transfer Code 2004.
CTR	Customer Transfer Request. A Request by a Retailer to a Network Operator to transfer a contestable customer at an exit point the in Network Operator's network from one Retailer to another.
DLF	Distribution Loss Factor. Used to scale a metered quantity from the metering location to the relevant Transmission Network Connection point.
DPID	Delivery Point Identifier. A code used by Australia Post to provide a unique identifier for a postal address.
ebXML	Electronic Business XML. This is a protocol designed to facilitate B2B transactions.
FTP	File Transfer Protocol.
FTPS	File Transfer Protocol Secure. A secure version of file transfer protocol.
HTTP	Hyper Text Transfer Protocol.
HTTPS	Hyper Text Transfer Protocol/Secure. HTTP using SSL for secure communications over the internet.
IP Address	Internet Protocol Address, a unique number assigned by an Internet authority that identifies a computer on the Internet, or on any other network that uses Internet Protocol (IP).
ISP	Internet Service Provider.
LNSP	Local Network Service Provider (Distributor or Network Operator).
MBS	Metering Business System, the name of the Metering Registry used by the Network Operator to interface with Retailers.
MDFP	Meter Data File Format. NEM12 for Interval Meters and NEM13 for Basic Meters.
NACK	A Negative Acknowledgement from one system to another that signifies that the request or service order was validated and was found to be NOT valid. The request or service order will not be actioned. The "NACK" will provide explanation of why the request was not valid by way of an event code.
NEM	National Electricity Market. The Wholesale Electricity Market that allows generators and larger electricity customers to trade according to the rules in the National Electricity Code. Currently encompasses South Australia, Victoria, New

Acronym	Definition
	South Wales, Queensland and the Australia Capital Territory. Commenced on December 13, 1998.
NEM12	The National Electricity Market standard file format for Interval Meters.
NEM13	The National Electricity Market standard file format for Basic Meters.
NEMMCO	National Electricity Market Management Company Limited A.B.N. 94 072 010 327, the company that operates and administers the National Electricity Market in accordance with the National Electricity Code. Defines the terms of participation of the national electricity market for generators, transmission and distribution network owners and service providers, retailers and contestable customers. The code covers areas including the application and admission of participants, prudential requirements, dispute resolution, bidding into the pool, generator scheduling, determination of payments receivable by generators, customer charges and the payment of pool fees. The code is also the Access Code for the purposes of the Trade Practices Act, and is to be authorised under the Trade Practices Act.
NMI	National Metering Identifier, the unique market identifier assigned to an exit point or embedded network child.
SID	Systems Interface Definitions document.
SOAP	Simple Object Access Protocol.
SSL	Secure Sockets Layer. Provides for encrypted transmission of documents over the internet, and authentication using x509 certificates.
TLF	Transmission Loss Factor.
TNI	Transmission Node Identifier. Identifies a Transmission Network Connection Point. Commonly referred to in Western Australia as a sub-station.
UDDI	Universal Description, Discovery and Integration.
UMI	Unique Market Identifier as referred to in the Electricity Industry Customer Transfer Code 2004. The type of UMI used in the Western Australian Electricity Market is the NMI.
URL	Universal Resource Locator.
XSD	XML Schema Definition. This is an XML based language used to describe and control XML document content.
waeXML	Western Australian Electricity Extensible Mark-up Language. This is based on aseXML Version 17 but it includes Western Australian specific definitions.
WSDL	Web Services Description Language. A language that provides a document format and an XML grammar for working with Web Services. It is used to describe Web Services interfaces for publication in a public registry based on UDDI.