

# PARTICIPANT BUILD PACK 4: QUEENSLAND SPECIFIC BUILD PACK

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## Document Approval and Acceptance

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## Version History

Version	Date	Author(s)	Section	Change
0.1	12/10/06	Danny McGowan/ Sara Atukorala		Initial draft
0.2	20/10/06	Danny McGowan		Include feedback received from Metrology and Balancing Reference Group discussions.
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1.1	10/1/07	Roger Shaw	New 4.7 New 5.8	Network Duos billing details – tariff D (ref 332) Postcode mapping (ref 505, 510)
1.2	16/2/07	Roger Shaw / Danny McGowan	4.1 4.7 5.1 5.7 New 7 App B App C New App D	ServiceOrderRequest – definitions expanded Clarifications to elements of Network Duos billing details – tariff D (ref 332) Injection Data – option of email delivery; Identifications of MIRNs required Publish Heating value – replace Distribution Region with heating value zone Placeholder for Email Protocol New Queensland equivalentents added New CSV data element: heating_value_zone Placeholder for Queensland standing data values
1.3	14/03/07	Danny McGowan	1.4 5.7 4.5 4.4 4.4 4.10 Appendix A	Add MIBB access guide to list of reference documents. Update section 5.7 (Publish Heating Value (T500)) to reflect that DB's send HV file to GRMO and that GRMO publishes the info on the MIBB. Also change gas days for HV from 90 to 120 Section 4.5 added. Documents the allowable values for Participant and NextworkID. Modifications to Appendix A.1 – aseXML Data Elements to include new values for Market and Jurisdiction. Further clarity to CATS DataRequest (Trans 181) Further clarity to PBP1 CSV Data Spec section 3.1 Add further clarity to the data elements
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Version	Date	Author(s)	Section	Change
			4.8 Appendix A	Increment event codes 3042 and 3043 by 1 to 3043 and 3044. Update to the data element names
1.5	13/4/07		4.4 and 4.10  4.4, 4.9 and 4.10  Appendix E  5.7  Appendix D  5.2 to 5.7	Correctly define references (see section 4.4 and 4.10) Modifications to Appendix A.1 – aseXML Data Elements to include new values for DistributionTariff  MIBB Access Guide (Exclusions and Additions)  For the Publish Heating Value (T500) transaction remove the “ALL” ref and replace with “VENCORP” Notation on how to locate the latest version of the QLD Postcode withdrawal zone mapping.  Include MIBB INT report numbers
1.6	24/4/07	D.McGowan	Appendix E  5.7  7.0  5.1.2 and 3  5.8  7.0	Include MIBB Web exchange Access Guide exclusions Correct INT report number  Remove ambiguity. Ref to CSV Data Format specification.  Removed TBA's and added the specific INT reports. Removed TBA and referred to correct appendix reference. Added reference to PBP1 CSV Data Format Specs.
1.7	8/5/07	D.McGowan	4.12  7.0  5.1.2&3	Add Service Connection Request to the list of modified transactions. For QLD, this transaction can be initiated by either the RB or DB.  Add additional note regarding prefix “QLDGAS” to be added to the beginning of the file name. Also the e-mail address for GRMO has been included  Add further clarity in terms of selection criteria and file format.
1.8			4.11 & 12  Appendix A	Add further clarity to the standard. Also o describe the file name and extension in relation to the Complete MIRN list file.  Removed the prefix reference.

Version	Date	Author(s)	Section	Change
			4.9 4.1 4.2 4.3 5.8 Appendix D	Network Billing. Expected_MHQ unit of measure is GJ.  Update the introduction section and accept the marked up change.  Update the introduction section and accept the marked up change.  Included the PBP2 section reference.  Add the data elements for the Postcode Mapping transaction.  Add data elements
1.9	1/7/07	D.McGowan	Appendix C 1.0	Change the Heating Value zone to a string. Minor update to add further clarity to purpose.
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6.0	30/7/2012	S. Macri	4.1	IN027/11 (Customer Classification) <ul style="list-style-type: none"><li>• Updates for NECF</li></ul>
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10.0	31/7/2017	N Datar	5.10 to 5.12	IN027/14 – Insert customer classification related processes
11.0	1/9/2018	J. Krizmanic	5.13	IN013/17 - Qld Unaccounted for gas (UAFG) arrangements for where the Distribution UAFG provider is a Non-Host Retailer



## Executive Summary

This document is the Participant Build Pack 4 – B2B, B2M and M2B system interface Definitions for delivery of the IT System Interfaces to support the operation of the Queensland 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 Background

The Queensland Retail Market has established a protocol Gas Interface Protocol (GIP). The GIP details the technical standards and business processes that enables retail and distribution businesses and AEMO to transfer information between Participant's systems. This includes customer meter readings, service orders and customer transfer transactions.

The GIP comprises a set of artefacts know as Participant Build Packs.

- Participant Build Pack 1 details the industry agreed business processes.
- Participant Build Pack 2 describes transactions between participants and AEMO; and
- Participant Build Pack 3 describes transactions between participants and the system architecture.
- Participant Build Pack 4 describes the deletions, modifications and additions to Build Packs 1, 2 and 3 as used in Victoria. The build pack is specific to Queensland.

## 1.2 Purpose

The purpose of this document (i.e. Queensland Specific Participant Build Pack) is to define the behaviour of the business and IT systems. The Queensland Retail Market uses all the interfaces described in Participant Build Pack 1, 2 and 3 as used in Victoria unless otherwise specified in this document.

For the avoidance of doubt Participant Build Pack 1, 2 and 3 as used in Victoria, and Participant Build Pack 4 which describes the deletions, modifications and additions to Build Packs 1, 2 and 3 as used in Victoria all form part of the GIP and define the behaviour of the business and IT systems in the Queensland Retail Market.

## 1.3 Audience

The document has been written for business and IT personnel within the Market Participants and Distributors 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 FRC in Queensland and with the artefacts listed in the Related Documents section of this document.

## 1.4 Related Documents

There are a number of related documents or artefacts that have been issued as part of Participant Build Packs 1, 2 and 3 and should be read in conjunction with this document. The table below defines the documents and the versions used to generate this PBP.

Ref	Artefact Name	Version
1	Retail Market Procedures (Queensland)	Current version as published on AEMO's website
2	Process Maps	Current version as published in the GIP
3	Transaction Definition Table	Current version as published in the GIP
4	Data Element Definition	Current version as published in the GIP
5	Guidelines for Development of a Standard for Energy Transactions in XML (aseXML)	Current version as published at <a href="http://www.aemo.com.au/aseXML/index.htm">http://www.aemo.com.au/aseXML/index.htm</a>
6	Master MIBB Report List	Current version as published on AEMO's website
7	Participant Build Pack Glossary	Current version as published in the GIP
8	Participant Build Pack Usage Guidelines	Current version as published in the GIP
9	Participant Build Pack 2 – System Interface Definitions	Current version as published in the GIP
10	Participant Build Pack 3 – FRC B2B System Architecture	Current version as published in the GIP
11	MIBB Access Guide	Current version published on the MIBB

- The Queensland GIP is published on the AEMO's website.

## 1.5 Definitions and Acronyms

All terms related to this document are defined in the Ref. [7].

Please note that acronyms MIRN (Meter Installation Registration Number) and NMI (National Meter Identifier) are used in this document interchangeably. In relation to reference in Ref. [7] some terms may not be applicable for the Queensland Retail Gas Market.

## 1.6 Overview and Structure

This document is organised in a number of sections as described below:

Section	Description
Overview of Interfaces	This section describes the relationship between the various interfaces.
Transactions not used in QLD Retail Market	This section describes the transactions not used in QLD.
Transactions modified for the QLD Retail Market	This section describes the transactions modified or replaced for QLD requirements.
Transactions that are new for the QLD Retail Market	This section describes Queensland specific transactions.

<b>Section</b>	<b>Description</b>
Appendices	New table of transactions Existing Data Elements which will be used for QLD specific details

## 2. Overview of Interfaces

### 2.1 Overview

This document focuses on the interfaces to be used in the B2B, B2M and M2B transactions for Queensland Retail Market. The interfaces focus on business and application logic. The interfaces are grouped based on the transaction categorisation defined in the Transaction Definition Table.

Every group of specific interfaces has one or more activity diagrams associated with it. The activity diagrams are based on the Process Flow diagrams, Ref. [2], delivered with PBP1. These process flows are presented as UML activity diagrams. The UML sequence diagrams representing the same processes with relevant aseXML transactions accompany the activity diagrams.

A sequence diagram has a table associated with them. Each row in this table describes correlation between the process flow and the corresponding aseXML transaction.

### 2.2 Scope

This document identifies the transactions from the Transaction Definition Table are to be used in the Queensland Retail Market. This document describes all the aseXML, FTP and MIBB transactions as specified in the “Method” column in the Transaction Definition Table. This document also includes any transactions that will be communicated via e-mail or fax.

### 3. Transactions not required for Queensland

The following table shows the transactions, from the Table of Transactions (Participants Build Pack 1) which are not used in the Queensland Retail Market.

Table of Transactions	
Ref No	Transaction Type
15	Disconnection Read
17A	Energy flow for Disconnection Read Response
39	Heating value for the day
56	MIBB – INT91
57	Heating Value for the day
186	Transfer Notice
195	Objection notification or objection withdrawal notification
199	Transfer cancellation
201	Problem notice
209	Withdrawal Transfer Notice
213	Notice of Read Failure
221	New Transfer Date
225	Transfer Termination Notice
230	Notice of Transfer
265	MIBB – INT254
266	MIBB – INT91
267	MIBB – INT171
296	Allocation of numbers for MIRNs for TPO
297	MIRN standing data for TPO
335	Metering Data Monthly
336A	Retailer Churn
334	Network DUoS Billing Details (Tariff H)
356	Obtain CFRO for MRM and/or SDR

## 4. Transactions to be modified for Queensland

Following transactions are modified for Queensland Retail Market requirements. These transactions are used for the same purpose as the Victorian market but there may be minor changes to the data elements. The table below shows the modified transaction from the Table of Transactions.

Transaction Table	
Ref No	Transaction Type
87	Meter Fix Request "Simple" or "Complex" type
170	Initiate Transfer Request
200	Problem Notice
332	Network Duos billing details – tariff D
181	CATS DataRequest
310	Service Connection Request
900	Transaction related to Retailer of Last Resort

Following details are as per the B2B System Interface Definition (Participant Build Pack 3) and modified for Queensland requirements.

### 4.1 Meter Fix Request (Ref No. 87)

For Queensland the following Transaction Date Elements applies rather than those as listed in section 4.2.2.1 of the B2B System Interface Definition (Participant Build Pack 3).

#### Transaction Data Elements

Transaction:	ServiceOrderRequest	
Received From:	Retailer	
Sent To:	Distributor	
Data Element	Mandatory / Optional / Not Required	Usage
actionType	M	"New" for New Service Order "Cancel" for Service Order Cancellation Implemented as an attribute of the ServiceOrderRequest aseXML element.

Transaction:		ServiceOrderRequest
Received From:		Retailer
Sent To:		Distributor
Data Element	Mandatory / Optional / Not Required	Usage
NMI	O	See Spreadsheet Job Enquiry Codes to determine whether this element is required or not.
checksum	O	Required if NMI is populated. Implemented as an attribute of the NMI aseXML element
ServiceOrder/ Address	O	Required if NMI is not populated, otherwise Not Required  Implemented in the aseXML "Address" structured format.
JobEnquiryCode	M	Used by Distributor to determine work requirement and priority
ServiceOrderNumber	M	Reference number generated by the Retailer
AccessDetails	O	Optional field that may be populated at CSR discretion
MelwayGridReference	O	Optional field that may be populated at CSR discretion
ContactDetail/ PersonName	O	Should be populated if available.  Implemented in the aseXML "PersonName" structured format  Not to be retained in any DB system.
ContactDetail/ PhoneNumber	O	Should be populated if available.  Implemented in the aseXML "AustralianPhoneNumber" structured format.  Not to be retained in any DB system

Transaction:		ServiceOrderRequest
Received From:		Retailer
Sent To:		Distributor
Data Element	Mandatory / Optional / Not Required	Usage
AppointmentDetail/ Preferred/ Date	M	
AppointmentDetail/ Preferred/ Time	O	Optional field for input of appointment time if applicable
SORDSpecialComments/CommentLine	O	Optional field that may be populated at the CSR discretion
CustomerCharacterisation	O	Required for Service Connection Request (Job Enquiry Code = "SCR")
LoadDetails/PerHour	O	<p>Required for:</p> <p>Service Connection Request (Job Enquiry Code = "SCR")</p> <p>Basic Meter Fix (Job Enquiry Code = "MFX")</p> <p>Basic Meter Change (Job Enquiry Code = "MCH")</p> <p>Service Upgrade (Job Enquiry Code = "USR")</p> <p>Meter Size Upgrade (Job Enquiry Code = "UMS")</p> <p>This value must be populated with value of 1 if MeterInletPressure is populated and JobEnquiryCode is set to MRF.</p>

Transaction:		ServiceOrderRequest
Received From:		Retailer
Sent To:		Distributor
Data Element	Mandatory / Optional / Not Required	Usage
LoadDetails/PerAnnum	O	<u>Required where</u> <u>CustomerCharacterisation is</u> <u>a business customer (eg =</u> <u>"Metropolitan Business"</u> <u>or "Non Metropolitan</u> <u>Business") (optional</u> <u>where</u> <u>CustomerCharacterisation is</u> <u>a residential customer);</u> <u>Service Connection Request</u> <u>(Job Enquiry Code = "SCR")</u> <u>Basic Meter Fix (Job Enquiry</u> <u>Code = "MFX")</u> <u>Optional for:</u> <u>Basic Meter Change (Job</u> <u>Enquiry Code = "MCH")</u> <u>Service Upgrade (Job</u> <u>Enquiry Code = "USR")</u> <u>Meter Size Upgrade (Job</u> <u>Enquiry Code = "UMS")</u> <u>Otherwise Not Required</u>

Transaction:	ServiceOrderRequest	
Received From:	Retailer	
Sent To:	Distributor	
Data Element	Mandatory / Optional / Not Required	Usage
MeterInletPressure	O	<p>Required for:</p> <ul style="list-style-type: none"> <li>Meter Fix (Job Enquiry Code = "MFX")</li> <li>Meter Size Upgrade (Job Enquiry Code = "UMS")</li> </ul> <p>Optional for:</p> <ul style="list-style-type: none"> <li>Service Upgrade (Job Enquiry Code = "USR")</li> <li>Meter Refix (Job Enquiry Code = "MRF")</li> <li>Service Connection Request = "SCR")</li> </ul> <p>Default to "1.1". If this element is populated to JobEnquiryCode of MRF then LoadDetails/PerHour must also be populated with value of 1.</p>
COCNumber	O	Required for VIC standard ("A" type) Meter Fix.
PlumberLicenceNumber	O	<p>Required for VIC standard ("A" type) Meter Fix and Required for Queensland.</p> <p>In Queensland, exclude initial character "L" if present.</p>
StartWorkNoticeNumber	O	<p>Required for all NSW Meter Fix and Victorian Complex ("B" type) Meter Fix.</p> <p>Not required for Queensland.</p>
DateTimeCSRAccessedCustomerRecord	M	
DateTimeCSRProcessedTransaction	M	



## 4.2 CATS Change Request (Ref No 170)

For Queensland the following is to apply rather than those as listed in section 4.1.2.1 of the System Interface Definition (Participant Build Pack 2):

### 4.2.1 Initiate Transfer Request Transaction

Transaction Definition Table cross-reference	170 Initiate Transfer Request
Trigger	A Market Participant as part of its process for establishing new customers triggers this interface.
Pre-conditions	Registered Market Participant
Post-conditions	If the Transaction Acknowledgment does not contain an Event: AEMO has created a new Change Request within the CATS database, with a Change Request Status of "Requested".
Transaction acknowledgment specific event codes	3000-3006, 3008-3013, 3016, 3018, 3019-3023, 3034, 3035-3038, 3041, 3043, 3044

A transfer request is initiated by a Market Participant (usually a Retailer) who wishes to become responsible for the wholesale settlement of the given Supply Point that has an existing meter installation in place. The Market Participant sends a CATSChangeRequest transaction to AEMO. The Initiate Transfer Request is implemented in terms of CATSChangeRequest aseXML transaction.

If a wrong customer transfer request transaction has been submitted by a new FRO, a customer transfer withdrawal request needs to be submitted to perform the rollback.

If a customer transfer request has already been lodged against a MIRN and a Participant tries to raise another transfer request against the same MIRN then the first transfer received will be processed, any further transfers received will be rejected.

*Insert for Queensland only:*

"For every Queensland customer transfer request the AEMO nack the transaction (new event code 3043 – MIRN exceeds basic meter limits) if the Distributor has previously advised AEMO that an interval meter is required for transfer and an interval meter has not yet been installed.

If a Queensland customer transfer request is has a ChangeReasonCode is equal to "0003" (Retrospective) the AEMO will check its meter register and if the meter is a interval then the AEMO will nack the transaction (new event code 3044 – MIRN is an interval meter and retrospective transfer requested)"

The following data elements are to be supplied with this transaction:

Transaction:	CATSChangeRequest	
Received From:	New FRO	
Sent To:	AEMO	
Data Element	Mandatory / Optional / Not Required	Usage
ChangeReasonCode	M	If the ChangeReasonCode is equal to "0003" (Retrospective) the AEMO will check its meter register and if the meter is an interval then the AEMO will nack the transaction (event code 3043 – MIRN is an interval meter and retrospective transfer requested).
ProposedDate	M	Proposed date of transfer.
MeterReadTypeCode	NR	
ActualEndDate	O	Only used for retrospective transfers
NMI	M	
checksum	M	An attribute of NMI

### 4.3 Problem Notice (Ref No 200)

Following details are as per the Participant Build Pack 2 (System Interface Definition) section 4.1.11 and modified for Queensland requirements.

### 4.4 Delivering Problem Notice

The Problem Notice described in this section is responsible for conveying change information to the Market Participant (New FRO) who initiated the Change Request. The sender of the Problem Notice may include whatever text they like in the Event associated with the notice and AEMO will pass the Event unaltered to the New FRO.

There are two triggers that result in a Problem Notice being initiated. They are

- the Current FRO or Distributor initiating a Problem Notice (CATSChangeAlert); or
- as a result of receiving a NegativeAcknowledgment (NAK) to a CATSNotification transaction, containing specific event codes, from either the Current FRO or Distributor, AEMO will generate a Problems Notice (CATSChangeAlert) to the New FRO.

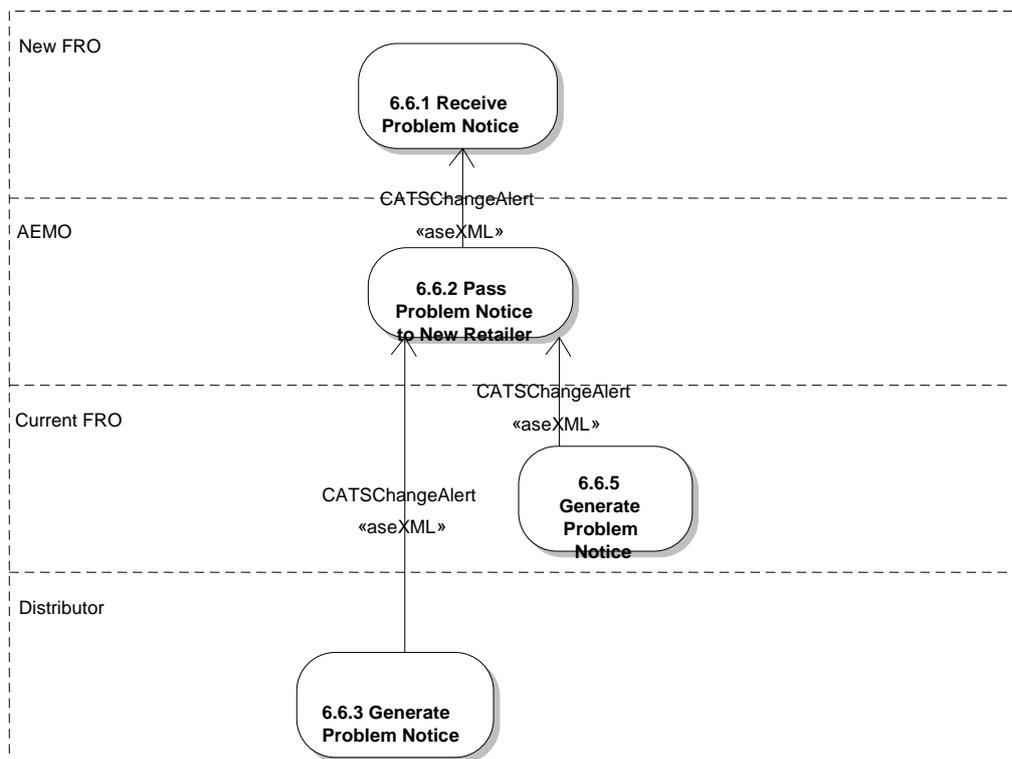
Only NAK's that contains Event Codes that are listed in appendix C in the CATS category range or Event Codes, 3200, 3202, 202 or -1 will result in the generation of a Problem Notice. The reason AEMO issues a Problem Notice on receipt of a

NAK generated against a CATSNotification is it is the only mechanism available to a Current FRO and Distributor such that it can provide feedback about a problem to the New FRO without knowing the identity of the New FRO. Confidentiality rules that apply in the market prevent AEMO from identifying the New FRO to the Current FRO.

It should also be noted that the existence of a Problem Notice does not impact, in any way, the CATS processing rules associated with a transfer. It is up to the New FRO to evaluate the impact of the information provided in the Problem Notice and takes whatever steps are appropriate. These steps can range from withdrawing the transfer to ignoring the Problem Notice.

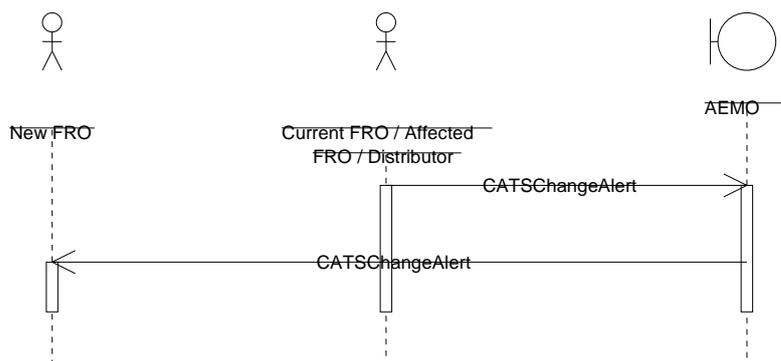
*Insert for Queensland only:*

“If the Distributor identifies that the prospective FRO who initiated the Change Request does not have a haulage agreement in place, the Distributor may generate a Problem Notice advising the prospective FRO of this situation. “



**Figure 4-1 Delivering Problem Notice Activity Diagram**

The sequence diagram below represents a Problem Notice delivery scenario. The Problem Notice is realised with the CATSChangeAlert aseXML transaction.



**Figure 4-2 Delivering Problem Notice Sequence Diagram**

ID	aseXML Txn	Transaction Definition Table	From Object	To Object	Process Flow
1	CATSCChangeAlert	Problem Notice	Current FRO or Distributor	AEMO	6.6.3 -> 6.6.2 6.6.5 -> 6.6.2
2	CATSCChangeAlert	Problem Notice	AEMO	New FRO	6.6.2 -> 6.6.1

**4.4.1 Problem Notice Transaction**

<b>Transaction Definition Table cross-reference</b>	<b>200 Problem Notice (from Distributor)</b> <b>202 Problem Notice (from Current FRO)</b> <b>203 Problem Notice (from Affected FRO)</b> <b>204 Problem Notice (from AEMO)</b>
Trigger	CATSCChangeAlert transaction generated by Current FRO, Affected FRO, or Distributor.
Pre-conditions	A Change Request referred to in the Problem Notice is submitted and is not cancelled.
Post-conditions	Unaltered Problem Notice is passed to the New FRO.
Transaction acknowledgment specific event codes	3015, 3016, 3025, 3029, 3039 3006 can be sent to New FRO only if AEMO is problem notice originator, i.e. transaction 204

The following data elements are to be supplied with the Problem Notice transaction:

Transaction:	CATSChangeAlert	
Received From:	Distributor (200) Current FRO (202) Affected FRO (203) AEMO (204)	
Sent To:	AEMO (200,202,203) New FRO (204)	
Data Element	Mandatory / Optional / Not Required	Usage
InitiatingRequestID	M	The ID assigned by AEMO to the Change Request
Role	M	The role of the participant initiating the transaction
RoleStatus	M	"N" for a new role; "C" for a current role
Participant	M	Problem notice originator
Event	O	Contains the message from the participant to the New FRO

## 4.5 CATSDataRequest (Trans No 181)

### *Request for Standing Data Transaction*

<i>Transaction Definition Table cross-reference</i>	• <b>181</b> Request Standing Data
<i>Trigger</i>	Transfer notice.
<i>Pre-conditions</i>	A valid Transfer Request has been received.
<i>Post-conditions</i>	Data request is delivered to the Distributor.
<i>Transaction acknowledgment specific event codes</i>	3040

This additional transaction is sent to the Organisation that is responsible for providing data for the Supply Point (i.e. Distributor). The purpose of this request is to trigger the Organisation to supply the standing data.

The following data elements are to be supplied with this transaction:

<b>Transaction:</b>		CATSDataRequest
<b>Received From:</b>		AEMO
<b>Sent To:</b>		Distributor
<b>Data Element</b>	<b>Mandatory / Optional / Not Required</b>	<b>Usage</b>
Role	M	The role responsible for delivering data
RoleStatus	M	"N" for a new role, "C" for a current role
InitiatingRequestID	M	The unique ID assigned by AEMO to the Change Request
ActualChangeDate	NR	Not Required. Has no relevance to the initial CATSDataRequest.
AustralianPostCode	M	These data elements indicate what fields must be supplied with standing data response, see PBP2 4.1.4.1. Set to xsi:nil="true".
BaseLoad	M	
TemperatureSensitivityFactor	M	
MIRNAssignmentDate	M	

<b>Transaction:</b>		CATSDataRequest
<b>Received From:</b>		AEMO
<b>Sent To:</b>		Distributor
Data Element	Mandatory / Optional / Not Required	Usage
NetworkID	O	Not supplied by AEMO
NMI	M	
checksum	M	An attribute of NMI

**NB:** NetworkID is mandatory in the change request (ie from the DB) transaction only if the network ID is not the default NetworkID (Queensland default = "03", Victorian default = "00")

#### 4.6 Modifications to Appendix A.1 - aseXML Data Elements

Following details are as per the B2B System Interface Definition (Participant Build Pack 3) and modified for Queensland requirements.

The following marked up change to the Allowed Values Column for the following aseXML data Elements.

##### CustomerCharacterisation:

Allowed Values
"Metropolitan Business"
"Metropolitan Residential"
"Non Metropolitan Business" (not used for QLD)
"Non Metropolitan Residential" (not used for QLD)

##### JurisdictionCode:

Allowed Values
"QGI"

##### Market:

Allowed Values
"QLDGAS" – Note Mandatory for Queensland Gas market. This applies to all transactions.

**CustomerCharacterisation:**

Allowed Values
"Metropolitan Business"
"Metropolitan Residential"
"Non Metropolitan Business" (not used for QLD)
"Non Metropolitan Residential" (not used for QLD)

**DistributionTariff:**

Allowed Values
"Volume"
"Demand"
"Negotiated" (Used in QLD)
"Negotiated Volume" (Used in QLD)

#### 4.7 Modifications to Appendix A Data Dictionary A1. - aseXML Data Elements

Following details are as per the B2B System Interface Definition (Participant Build Pack 2) and modified for Queensland requirements.

The following marked up change to the Allowed Values Column for the following aseXML data Elements.

**Participant:**

Allowed Values
For codes, see report as published on AEMO website .

**Network ID:**

Allowed Values
"03" denotes Queensland. If "null" and market equals "QLDGAS" then AEMO will treat this to be Queensland and it will assigned to the "03" network which is the default network for Queensland. This means it is mandatory for all networks in Queensland other than "03". (This is to accommodate the possibility of more than one network in Queensland in the future.

## 4.8 Modifications to Appendix A.2 - CSV Data Elements

Following details are as per the B2B System Interface Definition (Participant Build Pack 3) and modified for Queensland requirements.

The following marked up change to the Allowed Values Column for the following CSV Elements.

### Estimated\_Substitution\_Type:

Allowed Values
“E1” = Estimation method 1
“E2” = Estimation method 2
“E3” = RB/DB agreed value
“E4” = Estimation method 4 for QLD
“S1” = Substitution method 1
“S2” = Substitution method 2
“S3” = RB/DB agreed substituted value
“S4” = Substitution method 4 for QLD

## 4.9 Modifications to Appendix C - Gas FRC Application Event Codes

In relation to Participants Build Pack 2 Interface Definitions the following new event codes is to be added for Queensland. :

Category (code range)	Code	Description	Severity	Invoking Transaction
CATS (3000-3199)	3043	MIRN exceeds basic meter limits	Error	CATSChangeRequest
	3044	MIRN is an interval meter and retrospective transfer requested	Error	CATSChangeRequest

#### 4.10 Network Duos billing details – tariff D (ref 332)

In Queensland, for Transaction 332 – “Network Duos billing details – tariff D”, the data elements Max\_MHQTY, Max\_MHQTP, Expected\_MHQ, Consumption\_GJ will have the meanings as set out in the table below – but note that the field name is NOT descriptive of the contents. All other elements remain unchanged.

Note: If the DistributionTariff is equal to “Negotiated” these records will be included in this CSV file.

CSVNetworkDUoSDataTariffD/CSVData		
Heading	Mandatory/Optional	Comment
NMI	M	
NMI_Checksum	M	
Invoice_Number	M	
Transaction_ID	M	
Old_Transaction_ID	O	Mandatory if Adjustment_Indicator is set to “C” for cancel; Optional if Adjustment_Indicator is set to “R” for re-bill; Blank at all times where Adjustment_Indicator is set to “N” for new.
Old_Invoice_Number	O	Mandatory if Adjustment_Indicator is set to “C” for cancel; Optional if Adjustment_Indicator is set to “R” for re-bill; Blank at all times where Adjustment_Indicator is set to “N” for new.
Transaction_Date	M	
Adjustment_Indicator	M	
Billing Month	M	
Demand Period	M	
Max_MHQTY	M	Gj/hr In Queensland, Distributors will provide this information where MHQ is used in demand tariff calculations otherwise will be populated as '0'.
Max_MHQTP	M	Gj/hr In Queensland, Distributors will not provide this information and the data element will be populated as '0'.

<b>CSVNetworkDUoSDataTariffD/CSVData</b>		
<b>Heading</b>	<b>Mandatory/Optional</b>	<b>Comment</b>
Expected_MHQ	M	In Queensland, this data element will contain the contracted MDQ and the units are in GJ rather than MJ. Note that the field name does reflect the contents.
Consumption_GJ	M	In Queensland, consumption data will not be provided and the data element will be populated as '0'.
Charge_TP	M	
GST_Amount	M	
Distributor_ID	M	
Network_Tariff_Code	M	

#### **4.11 Network Duos billing details – tariff V (ref 331)**

In Queensland, for Transaction 331 – “Network Duos billing details – tariff V”, the data will include DistributionTariff that are equal to “Negotiated Volume”.

#### **4.12 Modifications to PBP1 (CSV data format specification)**

In Queensland, the standards that are described in Participant Build Pack 1 (CSV Data Format Specification) are to be used with FRC market indicator of “QLDGAS” for all CSV files, compressed files and emails (subject to 4.12 below).

Here's an example of a CSV file name:

[QLDGAS\\_ENERGYHISTORYRESPONSE\\_TXUR\\_PULSE\\_20020503131500.CSV](#)

The following is an example of a CSV file name that is intended for more than one recipient:

[QLDGAS\\_ENERGYHISTORYRESPONSE\\_TXUR\\_ALL\\_20020503151500.CSV](#)

#### **4.13 Complete MIRN Listing (T299)**

For Queensland the following file naming convention is used for this particular file:

QLDGAS\_DISTRIBUTOR\_CCYYMMDDHHMISS\_ZIP

Note: Reference to “DISTRIBUTOR” and “RETAILER” refers to the Participant ID.

#### **4.14 Service Connection Request (Ref 310)**

In Queensland, for Transaction 310 – “Service Connection Request”, either the Retailer or the Distributor can initiate a Service Connection Request.

#### **4.15 Customer and Site Details (T900)**

Only *Retailers* that would be a *failed retailer* according to National Energy Retail Law (Queensland) if a *RoLR event* occurred are required to provide transaction T900 (Customer and Site Details) for the purpose of the Retail Market Procedures (Queensland).

## 5. New transactions for Queensland

Transactions introduced under this section are to be used only in the Queensland Retail Market. The date by which these transactions must be in production is the 1st July 2007.

For Table of Transactions, refer to Appendix A.

### 5.1 Interval Meter & Injection Data (T410, 415, 419, 420, 425, 450, 451)

This section describes the transactions by which the Distributor provides interval meter data to the AEMO and Retailers provide Injection Data under the Rules.

#### 5.1.1 Data delivery

The interval meter data will be delivered as a CSV file in a FTP transaction. The AEMO will provide a secure location for each file that enables Distributors and Retailers to directly place the file in a location that enables only the AEMO to retrieve that file.

When the file is FTP'd to the AEMO, the file extension is to be written as a ".tmp" file and then renamed to prevent the file being processed while it is being delivered. The file naming convention set out in the current version of Participant Build Pack 1 – CSV Data Format Specification is to be used.

The file will be accessible via directory browsing on the MIBB rather than via a separate HTML page that would need to be maintained manually.

For more details of FTP processes, refer to section 6.

The Injection Data file may be delivered in an FTP transaction (refer to section 6) or an email transaction (refer to section 7 for details).

<i>Transaction Definition Table cross-reference</i>	IntervalDataDaily (T410) IntervalDataUpdate (T415) IntervalDataPrelim (T419) IntervalDataFinal (T420) IntervalDataRevision (T425) InjectionDataFinal (T450) InjectionDataRevision (T451)																
<i>Trigger</i>	<table border="1"> <thead> <tr> <th><b>Transaction</b></th> <th><b>Latest Time</b></th> </tr> </thead> <tbody> <tr> <td>IntervalDataDaily (T410)</td> <td>MST + 3.5 hours D+1 calendar days</td> </tr> <tr> <td>IntervalDataUpdate (T415)</td> <td>As required</td> </tr> <tr> <td>IntervalDataPrelim (T419)</td> <td>5pm M+4 business days</td> </tr> <tr> <td>IntervalDataFinal (T420)</td> <td>5pm M+15 business days</td> </tr> <tr> <td>IntervalDataRevision (T425)</td> <td>5pm 5 business days before last day of the month that is nine calendar months after month for which data is being provided.</td> </tr> <tr> <td>InjectionDataFinal (T450)</td> <td>5pm M+15 business days, 5pm M+22 business days (if required)</td> </tr> <tr> <td>InjectionDataRevision (T451)</td> <td>5pm 5 <u>business</u> days before last day of the month that is nine calendar months after month for which data is being provided.</td> </tr> </tbody> </table>	<b>Transaction</b>	<b>Latest Time</b>	IntervalDataDaily (T410)	MST + 3.5 hours D+1 calendar days	IntervalDataUpdate (T415)	As required	IntervalDataPrelim (T419)	5pm M+4 business days	IntervalDataFinal (T420)	5pm M+15 business days	IntervalDataRevision (T425)	5pm 5 business days before last day of the month that is nine calendar months after month for which data is being provided.	InjectionDataFinal (T450)	5pm M+15 business days, 5pm M+22 business days (if required)	InjectionDataRevision (T451)	5pm 5 <u>business</u> days before last day of the month that is nine calendar months after month for which data is being provided.
<b>Transaction</b>	<b>Latest Time</b>																
IntervalDataDaily (T410)	MST + 3.5 hours D+1 calendar days																
IntervalDataUpdate (T415)	As required																
IntervalDataPrelim (T419)	5pm M+4 business days																
IntervalDataFinal (T420)	5pm M+15 business days																
IntervalDataRevision (T425)	5pm 5 business days before last day of the month that is nine calendar months after month for which data is being provided.																
InjectionDataFinal (T450)	5pm M+15 business days, 5pm M+22 business days (if required)																
InjectionDataRevision (T451)	5pm 5 <u>business</u> days before last day of the month that is nine calendar months after month for which data is being provided.																
<i>Pre-conditions</i>	Interval Data: <ul style="list-style-type: none"> <li>T400 (MIBB INT 555 published)</li> </ul> Injection Data: <ul style="list-style-type: none"> <li>T405 (MIBB INT 555 published)</li> </ul> Contains all required MIRNs: <ul style="list-style-type: none"> <li>T410, T450</li> </ul> Contains updates for some or all required MIRNs <ul style="list-style-type: none"> <li>T415, T419, T420, T425, T451</li> </ul>																
<i>Post-conditions</i>	NA																
<i>Transaction acknowledgment specific event codes</i>	NA																

The following data elements are to be supplied with Interval Data and Injection Data transactions:

Transaction:	IntervalDataDaily (T410) IntervalDataUpdate (T415) IntervalDataPrelim (T419) IntervalDataFinal (T420) IntervalDataRevision (T425) InjectionDataFinal (T450) InjectionDataRevision (T451)	
Received From:	Distributor (T410, T415, T419, T420, T425) Retailer(T450, T451)	
Sent To:	AEMO	
<b>Data Element</b>	<b>Mandatory / Optional / Not Required</b>	<b>Usage</b>
NMI	M	Meter Installation Registration Number
gas_date	M	ccyy-mm-dd
consumed_energy_gj	M	Energy data in Gigajoules
quality_id	O	Optional – if not supplied Quality Id 200 assumed. For Queensland Quality ID Description 200 Normal – Actual Read 201 Retailer Agreed – Type 3 202 Estimated – Type 4 203 Substituted – Type 4

### 5.1.2 Identification of meters to be delivered – Retailers.

See User Guide to MIBB Reports document. Report number INT 555 where retailer is listed as the energy values provider.

Retailers are to use the information contained within INT 555 to identify the meters required for inclusion with the T450/T451 data. This data is then sent to AEMO. Using the information contained within INT 555 report, for a gas day the following selection criteria is to be used to determine which MIRNs are to be supplied in the T450/T451 transactions:

Inject\_withdraw = "I" (Injection)

Evp\_name = your registered organisation name (eg: In the case of Origin it would be "Origin Energy (VIC) PTY LTD")

Billing = "Y" (Yes)

Note: This data can be delivered via FTP or e-mail. If delivery is via e-mail then the formats described in Participants Build Pack 1 (CSV Data Format Specification) is to apply. Below is an example if AGL is sending the file:

*E-mail address:*

"qlddata@AEMO.com.au"

*Subject Line:*

"QLDGAS\_ INJECTIONDATAFINAL\_AGLQLD\_20070730131500"

*CSV Attachment:*

*Header (note: to be included in first row):*

NMI,gas\_date,consumed\_energy\_gj,quality\_id

*Content:*

5410023885,20070730,123456,200

5410023886,20070730,789,200

### 5.1.3 Identification of meters to be delivered – Distributors.

See User Guide to MIBB Reports document. Report number INT 555 where distributor is listed as the energy values provider.

Distributors are to use the information contained within INT 555 to identify the meters required for inclusion with the T410/T415/T419/T420/T425 data. This data is then sent to AEMO. Using the information contained within INT 555 report, for a gas day the following selection criteria is to be used to determine which MIRN's are to be supplied in the T410/T415/T419/T420/T425 transactions:

Inject\_withdraw = "W" (Withdrawal)

Evp\_name = your registered organisation name (eg: In the case of Envestra it would be "Envestra Victoria Pty Ltd ")

Commissioned = "Y" (Yes)

## **5.2 Aggregated Consumption Report (T455)**

See User Guide to MIBB Reports document. Report number INT 588

## **5.3 Balancing Report (T465)**

See User Guide to MIBB Reports document. Report number INT 594

## **5.4 Injection Scaling Report (T470)**

See User Guide to MIBB Reports document. Report number INT 597

## **5.5 Settlement Supporting Data Report (T490)**

See User Guide to MIBB Reports document. Report number INT 554

## **5.6 Publish Net System Load Report (T495)**

See User Guide to MIBB Reports document. Report number INT 571

## **5.7 Publish Heating Value (T500)**

See User Guide to MIBB Reports document. Report number INT 539

For Queensland each Distributor is to provide the daily flow weighted heating values for each gas day to AEMO as set out in Retail Market Procedures clause 2.6.1 (c) (d).

Distributor must FTP the CSV file to AEMO. The AEMO will provide a secure location for Distributors to directly place the file in a location that enables only the AEMO to retrieve that file.

For more details of FTP processes, refer to section 6.

When the file is FTP'd to AEMO the following file naming convention is to be used:

QLDGAS\_PUBLISHHV\_[Distributor]\_VENCORP\_ccyymmddhhmiss.CSV

Note: Reference to "Distributor" refers to the Hub participant ID.

The CSV naming convention set out in the current version of Participant Build Pack 1 – CSV Data Format Specification is to be used:

AEMO will process files send by distributors and publish the heating values via a new public MIBB report INT 539 Daily Zonal Heating Values.

Transaction Definition Table cross-reference	500 Publish HV (from Distributor)
Trigger	1:30pm on every business day
Pre-conditions	None
Post-conditions	None
Transaction acknowledgment specific event codes	None

The following data elements are to be supplied with the Publish HV transaction:

Transaction:	PublishHV	
Received From:	Distributor (500)	
Sent To:	AEMO	
Data Element	Mandatory / Optional / Not Required	Usage
gas_date	M	Covering a period of 120 gas days. Format is ccy-mm-dd
heating_value_zone	M	The heating value zone as assigned by the Distributor: APT Allgas: 101 to 199 Envestra: 201 to 299
heating_value	M	The heating value in MJ per standard cubic metres

## 5.8 Postcode Mapping (T505, 510)

This transaction is delivered by email.

Transaction Definition Table cross-reference	505 Postcode Mapping– Annual Update 510 Postcode Mapping–Update
Trigger	Anniversary of FRC date (T505) Ad Hoc after introduction of a new post code (T510)
Pre-conditions	New post code identified by Distributor or AEMO (T510)
Post-conditions	None
Transaction acknowledgment specific event codes	None

The following data elements are to be supplied with the transactions:

Transaction:	505 POSTCODEMAPPINGANNUALUPDATE 510 POSTCODEMAPPINGUPDATE	
Received From:	Distributor	
Sent To:	AEMO	
Data Element	Mandatory / Optional / Not Required	Usage
Postcode	M	Australia Post postcode.
Suburb	M	Name of suburb or town as assigned to postcode by Australia Post.
withdrawal_zone	M	Withdrawal Zone for post code. Refer to Appendix D for relevant zones.
transmission_zone	M	Transmission Zone for post code. Refer to Appendix D for relevant zones.
heating_value_zone	M	The heating value zone as assigned by the Distributor: APT Allgas: 101 to 199 Envestra: 201 to 299

Example:

QLDGAS\_POSTCODEMAPPINGANNUALUPDATE\_APTALLGAS\_AEMO\_CCYYMMDDHHmmSS.CSV

## 5.9 Heating Value Zone to Custody Transfer Meter mapping (T515)

This transaction is delivered by email.

Transaction Definition Table cross-reference	515 Heating Value Zone to CTM Mapping–Update
Trigger	Ad Hoc after introduction of a new HV Zone or CTM (T515)
Pre-conditions	None
Post-conditions	None
Transaction acknowledgment specific event codes	None

The following data elements are to be supplied with the transactions:

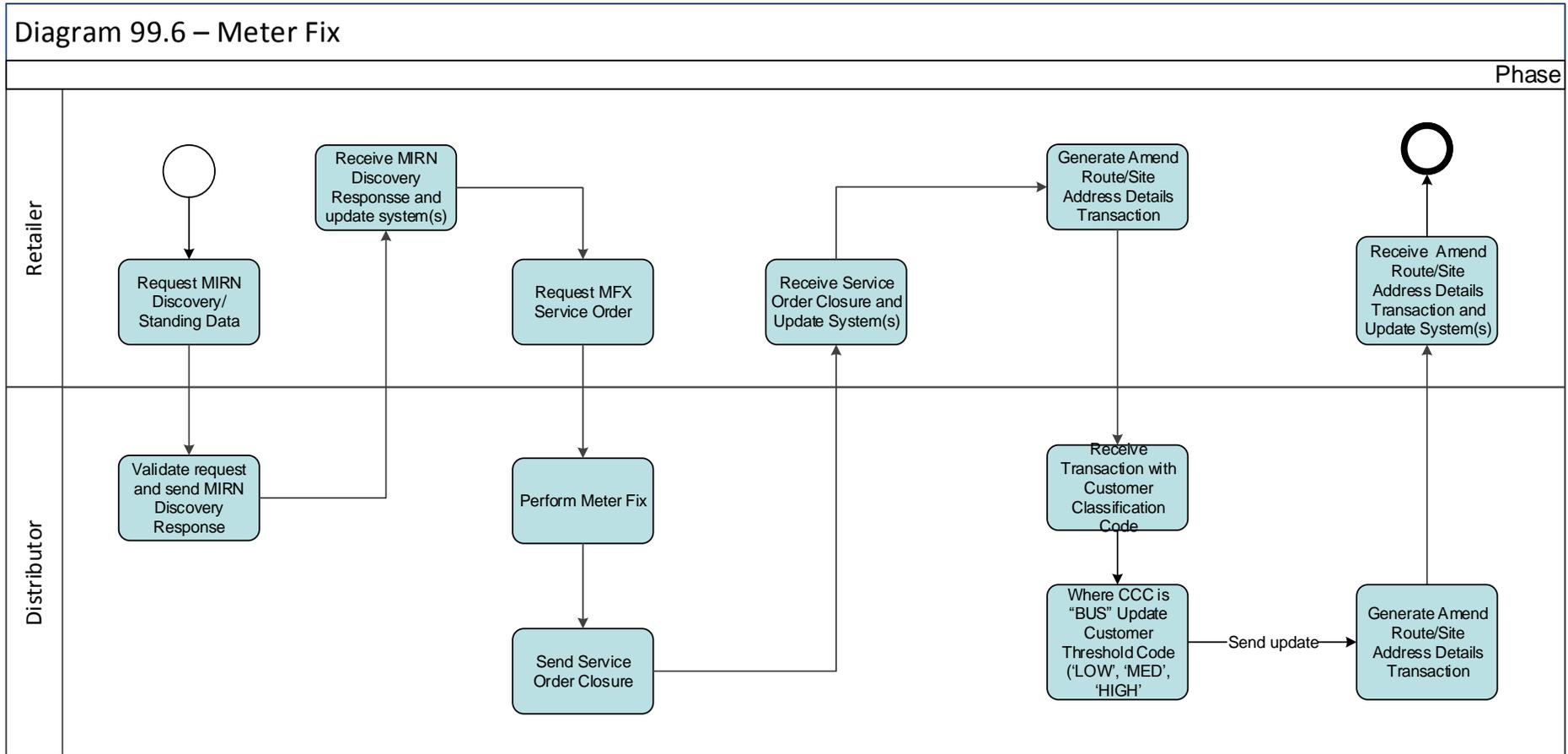
Transaction:	515 HVZONEMAPPINGUPDATE	
Received From:	Distributor	
Sent To:	AEMO	
Data Element	Mandatory / Optional / Not Required	Usage
heating_value_zone_id	M	The heating value zone id as determined by the Distributor: APT Allgas: 101 to 199 Envestra: 201 to 299
heating_value_zone_name	M	The heating value zone name (e.g. QLD Oakey (101), QLD Rockhampton (244))
withdrawal_zone_name	M	The withdrawal zone name associated with the MIRN as defined by AEMO (eg Central, Western, MidCoast, Lockyer Valley)

Transaction:		515 HVZONEMAPPINGUPDATE
Received From:		Distributor
Sent To:		AEMO
Data Element	Mandatory / Optional / Not Required	Usage
custody_transfer_point	M	The physical location at which gas passes from a pipeline, storage facility or production facility into a distribution system.
MIRN	M	MIRN that is a CTM on Transmission System at a delivery point to Distributor

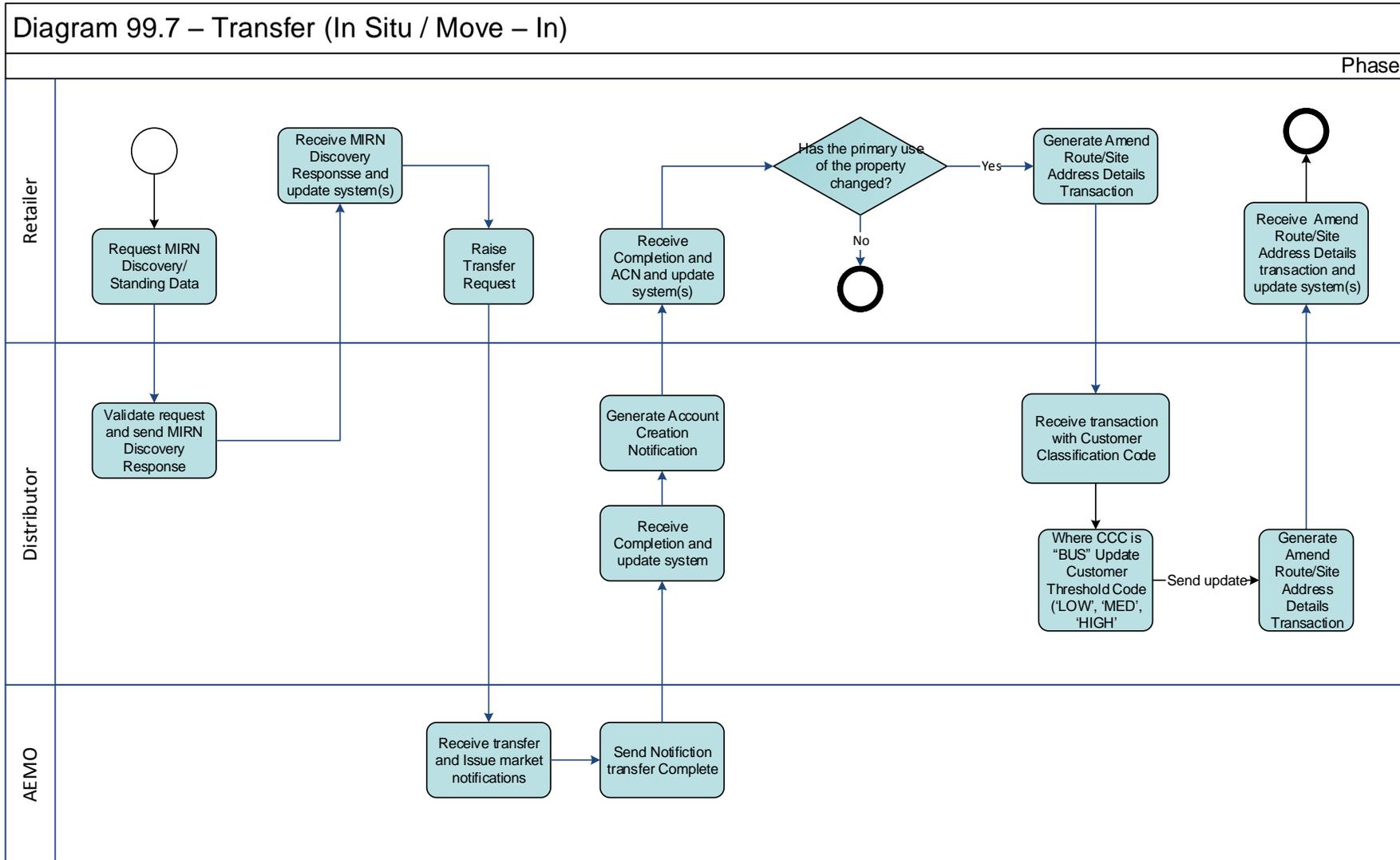
Example:

QLDGAS\_HVZONEMAPPINGANNUALUPDATE\_APTALLGAS\_VENCORP\_  
CCYYMMDDHHmmSS.CSV

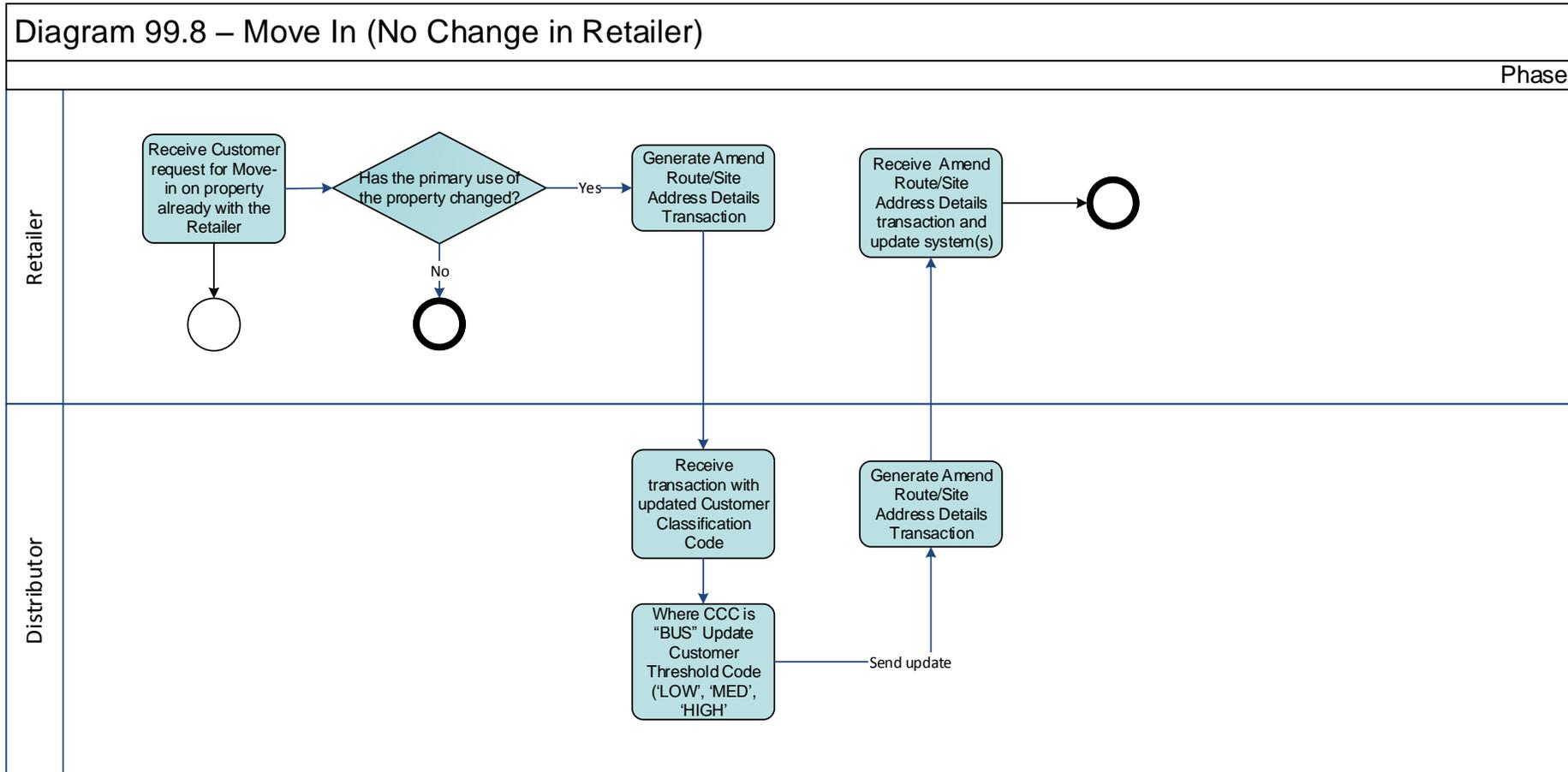
### 5.10 DIAGRAM 99.6 METER FIX



### 5.11 DIAGRAM 99.7 TRANSFER (IN SITU / MOVE – IN)



### 5.12 DIAGRAM 99.8 MOVE IN (NO CHANGE IN RETAILER)



## 5.13 Distribution Unaccounted for gas UAFG

This section details the transactions to be used for the UAFG process described in the chapter 11 of the Queensland Retail Market Procedures (RMP).

### 5.13.1 CTM injection report (T600)

This section describes the transactions by which:

- (i) AEMO provides consumed energy for custody transfer meter's to the Distributor under clause 11.6.1 of the RMP;
- (ii) The distributor provides the consumed energy for custody transfer meter's to the usages under clause 11.6.2 (a) of the RMP.

Transaction Definition Table cross-reference	600 CTM Injection Report
Trigger	10 business days of issuing the nine calendar month revision for June of the UAFG year
Pre-conditions	None
Post-conditions	None
Transaction acknowledgment specific event codes	None

The following data elements are to be supplied with the transactions:

<a href="#">Transaction:</a>	<a href="#">600 CTM Injection Report</a>
<a href="#">Received From:</a>	<a href="#">AEMO</a>
<a href="#">Sent To:</a>	<a href="#">Distributor</a>

<a href="#">Data Element</a>	<a href="#">Mandatory/Optional/Not Required</a>	<a href="#">Usage</a>
<a href="#">uafg_year</a>	<a href="#">M</a>	<a href="#">YYYY YY</a> <a href="#">Current UAFG year</a> <a href="#">2018 19</a> <a href="#">2019 20</a>
<a href="#">State</a>	<a href="#">M</a>	<a href="#">QLD</a>

<u>Data Element</u>	<u>Mandatory/Optional/Not Required</u>	<u>Usage</u>
<u>statement_version_id</u>	<u>M</u>	<u>Monthly statement version used for ini_gj</u>
<u>version_from_date</u>	<u>M</u>	
<u>version_to-date</u>	<u>M</u>	
<u>Inj_gj</u>	<u>M</u>	<u>Aggregated Injections by Distributor by Withdrawal Zone for UAFG Year (positive)</u>
<u>Distributor_id</u>	<u>M</u>	
<u>Distributor_name</u>	<u>M</u>	
<u>Wd_zone_id</u>	<u>M</u>	
<u>Wd_zone_name</u>	<u>M</u>	
<u>created_date</u>	<u>M</u>	

### 5.13.2 Meter readings for basic meters (T605)

This section describes the transactions by which the distributor is to provide the meter readings to users.

<u>Transaction Definition</u>	<u>605 Meter readings for basic meters</u>
<u>Table cross-reference</u>	
<u>Trigger</u>	<u>Receipt of the T600 CTM Injection Report</u>
<u>Pre-conditions</u>	<u>None</u>
<u>Post-conditions</u>	<u>None</u>
<u>Transaction acknowledgment specific event codes</u>	<u>None</u>

The following data elements are to be supplied with the transactions:

<u>Transaction:</u>	<u>605 Meter readings for basic meters</u>
---------------------	--------------------------------------------

<a href="#">Received From:</a>	<a href="#">Distributor</a>
<a href="#">Sent To:</a>	<a href="#">Retailer</a>

<a href="#">Data Element</a>	<a href="#">Mandatory/ Optional/Not Required</a>	<a href="#">Usage</a>
<a href="#">MIRN</a>	<a href="#">M</a>	
<a href="#">Invoice Number</a>	<a href="#">M</a>	
<a href="#">Transaction Id</a>	<a href="#">M</a>	
<a href="#">Transaction Date</a>	<a href="#">M</a>	
<a href="#">Adjustment Indicator</a>	<a href="#">M</a>	<a href="#">C = Cancelled transaction</a> <a href="#">R = Rebilled transaction</a> <a href="#">N = New transaction</a>
<a href="#">Period</a>	<a href="#">M</a>	
<a href="#">Billing Days</a>	<a href="#">M</a>	
<a href="#">Type of Read</a>	<a href="#">M</a>	<a href="#">A = Actual</a> <a href="#">E = Estimated</a> <a href="#">S = Substituted</a> <a href="#">C = Customer own read</a>
<a href="#">Consumption MJ</a>	<a href="#">M</a>	
<a href="#">Current Read Date</a>	<a href="#">M</a>	
<a href="#">Previous Read Date</a>	<a href="#">M</a>	
<a href="#">Distributor ID</a>	<a href="#">M</a>	
<a href="#">Network Tariff Code</a>	<a href="#">M</a>	
<a href="#">Current NSL Split</a>	<a href="#">O</a>	

### 5.13.3 Queries on data issues (T610)

This section describes the transactions by which the Users submit queries if they find any issues in the consumption data provided by Distributors.

<u>Transaction Definition</u> <u>Table cross-reference</u>	<u>610 Queries on data issues</u>
<u>Trigger</u>	<u>Receipt meter readings for UAFG year</u>
<u>Pre-conditions</u>	<u>None</u>
<u>Post-conditions</u>	<u>None</u>
<u>Transaction acknowledgment specific event codes</u>	<u>None</u>

The following data elements are to be supplied with the transactions:

<u>Transaction:</u>	<u>610 Queries on data issues</u>
<u>Received From:</u>	<u>Retailer</u>
<u>Sent To:</u>	<u>Distributor</u>

<u>Data Element</u>	<u>Mandatory/Optional/Not Required</u>	<u>Usage</u>
<u>MIRN</u>	<u>M</u>	
<u>Invoice Number</u>	<u>M</u>	
<u>Transaction ID</u>	<u>M</u>	
<u>Transaction Date</u>	<u>M</u>	
<u>Adjustment Indicator</u>	<u>M</u>	
<u>Period</u>	<u>M</u>	
<u>Billing Days</u>	<u>M</u>	
<u>Type of Read</u>	<u>M</u>	
<u>Consumption MJ</u>	<u>M</u>	
<u>Current Read Date</u>	<u>M</u>	
<u>Previous Read Date</u>	<u>M</u>	

<u>Data Element</u>	<u>Mandatory/ Optional/Not Required</u>	<u>Usage</u>
<u>Distributor ID</u>	<u>M</u>	
<u>Network Tariff Code</u>	<u>M</u>	
<u>Current NSL Split</u>	<u>O</u>	
<u>Comments</u>	<u>M</u>	<u>User Comments on Data issues</u>

#### 5.13.4 Reconciliation quantity (T615)

This section describes the transactions by which AEMO will provide the data to the distributor, UAFG Provider and the host retailer.

<u>Transaction Definition</u>	<u>615 Reconciliation quantity</u>
<u>Table cross-reference</u>	
<u>Trigger</u>	<u>Receipt of the agreed consumption data</u>
<u>Pre-conditions</u>	<u>None</u>
<u>Post-conditions</u>	<u>None</u>
<u>Transaction acknowledgment specific event codes</u>	<u>None</u>

The following data elements are to be supplied with the transactions:

<u>Transaction:</u>	<u>615 Reconciliation quantity</u>
<u>Received From:</u>	<u>AEMO</u>
<u>Sent To:</u>	<u>Distributor/HostRetailer/UAFG Provider</u>

<u>Column Name</u>	<u>Mandatory/ Optional</u>	<u>Comment</u>
<u>UAFG Year</u>	<u>M</u>	<u>YYYY YY</u> <u>Current UAFG year</u> <u>2018 19</u> <u>2019 20</u>
<u>consumption</u>	<u>M</u>	<u>GJ</u>
<u>Distributor id</u>	<u>M</u>	

<u>Column Name</u>	<u>Mandatory/Optional</u>	<u>Comment</u>
<u>Distributor_name</u>	<u>M</u>	
<u>Wd_zone_id</u>	<u>M</u>	
<u>Wd_zone_name</u>	<u>M</u>	

## 6. FTP Processes

The FTP processes is described in the “MIBB FTP Access document”. This document is published on the public section the AEMO MIBB, at <http://www.aemo.com.au/reports/gmreports.html>.

## 7. Email Protocol

Where CSV files may be delivered by email, the emails must conform to the standards that are described in Section 5 of Participant Build Pack 1 (CSV Data Format Specification). The e-mail address for files that are to be sent by email to AEMO is as follows:

“qlddata@AEMO.com.au”

## 8. Appendix – A (Table of Transactions)

Ref No	X Ref	Basic, Interval or Both	GIP NO N-GIP	Category	Procedure Ref	Comment in ref to Procedure	Process Map ID	Trans Type	Trigger	From	To	Purpose	Type	Method	Data Elements - Received	Data Elements - Sent back	Comments
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400	Interval	GIP	Balancing	6.2.3(b)	t.b.a	t.b.a	MIRNs for the Gas Day for Balancing	t.b.a	AEMO	Distributor	What interval meters AEMO is expecting to receive consumed energy for the gas day.	M2B	MIBB INT5 55	Refer Master MIBB Report List	Network_name, Mirn Gas_date, Node_id Node_name Wd_zone_id Wd_zone_name Pricing-zone_id Pricing_zone_name Hv_zone, Hv_zone_desc Meter_type Inject_withdrawal Site_company Location, Street Locale, Postcode State, Meter_no Comment, Max-cont_wd_qty Tariff-type Tuos-zone Tuos-zone_desc Received_date Uafg_size Uafg_rate Authorised_site_mdq Amdq_credit_nom Read_freq Comms_option Responsible_person_name Evp_name Host_retailer_name Fro_name Distributor_name Tpo_name, Registered Billing, Last_update Pcf, Contestable_date Commissioned Mda_charged Mda_appointed Mdq_site	INT 555 CTM identification: Meter_type = "PC" Commissioned = "Y" Distribution Interval meter identification: Meter_type = "PD" Commissioned = "Y"
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																Industry_code-desc Current_date	

405	Interval	GIP	Balancing	6.2.3(b)	t.b.a	t.b.a	MIRNs for the Gas Day for Balancing	t.b.a	AEMO	Retailer	Interval meters registered to FRO on gas day. Includes Logical Injection Meters.	M2B	MIBB INT5 55	Refer Master MIBB Report List	Network_name, Mirn Gas_date, Node_id Node_name Wd_zone_id Wd_zone_name Pricing-zone_id Pricing_zone_name Hv_zone, Hv_zone_desc Meter_type Inject_withdrawal Site_company Location, Street Locale, Postcode State, Meter_no Comment, Max-cont_wd_qty Tariff-type Tuos-zone Tuos-zone_desc Received_date Uafg_size, Uafg_rate Authorised_site_mdq Amdq_credit_nom Read_freq Comms_option Responsible_person_name Evp_name Host_retailer_name Fro_name Distributor_name Tpo_name, Registered Billing, Last_update Pcf, Contestable_date Commissioned Mda_charged Mda_appointed, Mdq_site Industry_code-desc Current_date	INT 555. Injections Meters for which data is required are identified by: meter_type = "LC" inject_withdraw = "I" billing = "Y"
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410		Interval	GIP	Interval Metering	5.5.1	t.b.a	t.b.a	Interval data (daily)	t.b.a	Distributor	AEMO		M2B	FTP	gas_date mirn energy_gj quality_id		New transaction. Filename includes transaction, sender, and create date time as unique identifier for audit purposes.
415		Interval	GIP	Interval Metering	5.5.1	t.b.a	t.b.a	Interval data (Update)	t.b.a	Distributor	AEMO		M2B	FTP	gas_date mirn energy_gj quality_id		New transaction. Filename includes transaction, sender, and create date time as unique identifier for audit purposes.
419		Interval	GIP	Interval Metering	5.5.1	t.b.a	t.b.a	Interval data (Monthly - Preliminary)	t.b.a	Distributor	AEMO		M2B	FTP	gas_date mirn energy_gj quality_id		New transaction. Filename includes transaction, sender, and create date time as unique identifier for audit purposes.

420		Interval	GIP	Interval Metering	5.5.1	t.b.a	t.b.a	Interval data (Monthly - Final)	t.b.a	Distributor	AEMO		M2B	FTP	gas_date mirn energy_gj quality_id		New transaction. Filename includes transaction, sender, and create date time as unique identifier for audit purposes.
425		Interval	GIP	Interval Metering	5.5.1	t.b.a	t.b.a	Interval data (Revision)	t.b.a	Distributor	AEMO		M2B	FTP	gas_date mirn energy_gj quality_id		New transaction. Filename includes transaction, sender, and create date time as unique identifier for audit purposes.
450		Both	GIP	Balancing	6.4.1	t.b.a	t.b.a	Injections (Final)	t.b.a	Retailer	AEMO	Provide AEMO with Injection data by Retailer by Distributor by withdrawal zone by gas day	M2B	csv by e-mail or FTP	gas_date mirn energy_gj quality_id		New Transaction. Filename includes transaction, sender, and create date time as unique identifier for audit purposes.

451		Both	GIP	Balancing	6.4.1	t.b.a	t.b.a	Injections (Revision)	t.b.a	Retailer	AEMO	Provide AEMO with Injection data by Retailer by Distributor by withdrawal zone by gas day	M2B	csv by e-mail or FTP	gas_date mirm energy_gj quality_id		New Transaction. Filename includes transaction, sender, and create date time as unique identifier for audit purposes.
455		Both	GIP	Balancing	6.3.2	Publication of Aggregated Consumption to Retailers.	t.b.a	Aggregated Consumption	t.b.a	AEMO	Retailer	Provide RB's with net consumption by Retailer by Distributor by withdrawal zone by gas day	M2B	MIBB INT5 98	Refer Master MIBB Report List	Network_name Statement_version_id Fro_name Gas_date Distributor_name Withdrawal_zone Agg_consumption_gj Current_date	New Transaction
465		Both	GIP	Balancing	6.7.2	Balancing Amounts to each Retailer.	t.b.a	Balancing Report	t.b.a	AEMO	FRO	Provide imbalance details	M2B	MIBB INT5 94	Refer Master MIBB Report List	Network_name Statement_version_id Fro-name Gas_date Distributor_name Withdrawal_zone Agg_consumption_gj Injection_gj Imbalance_gj Current_date	New Transaction

470	Both	GIP	Balancing	6.4.2	Scaling of Retailer Injection quantities	t.b.a	Scaling Report	t.b.a	AEMO	Retailer	Scaled injections by withdrawal zone (where difference)	M2B	MIBB INT5 97	Provisionally: statement_id statement_type gas_date distribution_name wd_zone scaling_factor current_date	Network_name Statement_version_id Gas_date Distributor_name Withdrawal_zone Scaling_factor Current_date	New Transaction under procedure to be established.
490	Basic	GIP	BMP (QLD)	2.8.3(a) 5.5.2	Energy data to FRO.	tba	Meter Data	batch	AEMO	FRO	Settlement supporting data (Monthly interval meter data)	M2B	MIBB - INT 554	statement_version_id company_id gas_date payment_type payment_amount_GST_Ex GST_component settlement_cat_type short_desc current_date	Network_name Statement_version_id Mirn Gas_date Energy_gj Uafg_adj_energy_gj Quality_desc Current_date	Elements currently defined by the MIBB.

495	Basic	GIP	BMP (QLD)	2.8.4(c) (ii)	Publish NSL		Publish NSL	batch	AEMO	All Market Participa nts	Settlement supporting data	M2B	MIBB - INT 571	Nsl_date gas_date distribution_ name nsl_gj current_dat e	Nsl_update Network_name Gas_date Distributor_name Nsl_gj Current_date	Elements currently defined by the MIBB. Replaces transaction 267
500	Both	GIP	Trading	2.6.1(c)	Publish HV		Publish HV	Every busin ess day	Distribu tor	AEMO	Provide daily HV used in determining energy	B2B	MIBB	gas_date - heating_val ue_zone heating_val ue		Published on AEMO MIBB [INT 539]
505	Both	GIP	Balancing	6.2.2 (c)	Post code mapping		Postcode Mapping- Annual Update	Anniv ersar y of FRC date	Distribu tor	AEMO	Provide mapping of postcode to withdrawal zone, transmission tariff zone and heating value zone	B2M	Email / csv	Postcode suburb withdrawal_ zone transmissio n_zone heating_val ue_zone	None	

510		Both	GIP	Balancing	6.2.2(c)	Postcode mapping		Postcode Mapping - update	New postcode in use	Distributor	AEMO	Provide mapping of postcode to withdrawal zone, transmission tariff zone and heating value zone for new postcodes in use.	B2M	Email / csv	Postcode suburb withdrawal_zone transmission_zone heating_value_zone	None	
515		NA	GIP	Balancing	6.2.2(e)	Heating value Zone mapping		HV Zone mapping - Update	New HV zone or CTM	Distributor	AEMO	Provide mapping of heating value zone to custody transfer meter(s) supplying heating value zone	B2M	Email / csv	heating_value_zone, NMI	None	Published by AEMO on website

600		Interval	GIP		11.5.1			CTM Injection Report	10 business days of issuing the nine calendar month revision for June of the UAFG year	AEMO	Distributor	Provides consumed energy for customer transfer meters to the Distributor	M2B	Email	uafg_year State statement_version_id version_from_date version_to_date Inj_gj Distributor_id Distributor_name Wd_zone_id Wd_zone_name created_date	N/A	
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605		Basic	GIP		11.5.2 (a)(i)			Meter readings for basic meters	Receipt of the T600 CTM Injection Report	Distributor	Users	Provides basic meter data to users	B2B	Email	MIRN Invoice_Number Transaction_Id Transaction_Date Adjustment_Indicator Period Billing_Days Type_of_Read Consumption_MJ Current_Read_Date Previous_Read_Date Distributor_ID Network_Tariff_Code Current_NSL_Split	N/A	
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610		Both	GIP		11.5.2 (c)			Queries on data issues	Receipt meter readings for UAF G year	User	Distributor	Queries provided meter data	B2B	Email	MIRN Invoice Number  Transaction_ID  Transaction_Date  Adjustment_Indicator  Period  Billing_Days  Type_of_Read  Consumption_MJ  Current_Read_Date  Previous_Read_Date  Distributor_ID  Network_Tariff_Code	N/A	
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														Current_NSL_Split			
															Comments		
615		Both	GIP		11.5.3			Reconciliation quantity	Receipt of the agreed consumption data	AEMO	Distributor/Users	Provides reconciliation quantity and advises whether it is in surplus or shortfall.	B2B	Email	UAFG_Year consumption Distributor_id Distributor_name Wd_zone_id Wd_zone_name		

## 9. Appendix – B (QLD data element equivalent or usage)

Following table shows the existing data elements to be used to populate the same information from the Queensland Retail Market.

This table also lists any data elements where the element value defaults to a specific value for Queensland FRC.

Existing Data Element	QLD Equivalent or usage.
MelwayGridReference	UBD Street Directory map reference
TemperatureSensitivityFactor	Value = 0
EffectiveDegreeDay	Value – 0
Expected_MHQ	contracted MDQ
Max_MHQTY	MHQ where used in demand tariffs)

## 10. Appendix – C (Queensland Data Dictionary – CSV Data Elements)

The table below specifies the column designators for CSV data elements used only for Queensland. Note, the order of CSV column designators is fixed and is as per definition of CSV files given by this document. All CSV data elements that convey time stamps represent them as Market Time, i.e. EST; no time zone information is required.

CSV Column Designator	Description	Attributes/Format	Length/Decimal Places	Allowed Values
consumed_energy_gj	Energy calculated for an interval meter in GJ	Numeric	18,9	Gigajoules
distribution_region	The applicable <i>Distribution Region</i> .	String	10	“ENVESTRA” = The Envestra Distribution Region. “APT” = The APT Distribution Region.
gas_date	The <i>gas day</i>	Date	10	ccyy-MM-dd
heating_value	The average daily flow weighted heating value (in MJ per standard cubic meter) that applies to a Distribution Region.	Numeric	5,2	Mega joules per standard cubic meter
heating_value_zone	The <i>heating value zone</i> to which a heating value applies	String	3	The heating value zone as assigned by the Distributor: APT Allgas: 101 to 199 Envestra: 201 to 299
postcode	The postcode for an area as identified by Australia Post.	String	4	For Queensland a prefix 4 applies: 4nnn
quality_id	Indicator identifying the type of estimation or substitution applied to an interval meter.	Integer		Quality ID    Description 200 =        Normal – Actual Read

CSV Column Designator	Description	Attributes/Format	Length/Decimal Places	Allowed Values
				201 = Retailer Agreed – Type 3 202 = Estimated – Type 4 203 = Substituted – Type 4
suburb	The town or suburb name identified with a postcode by Australia Post.	String	100	
transmission_zone	Identifier of withdrawal Transmission Zone applicable to all meters in postcode as identified by Distributor.	Integer		Refer to Appendix D for relevant zones.
withdrawal_zone	Identifier of <i>withdrawal zone</i> applicable to all meters in postcode as identified by Distributor.	Integer		Refer to Appendix D for relevant zones.



## 11. Appendix – D (Queensland Data Values)

For details about the Queensland Postcode – withdrawal zones mapping this detail is published on the AEMO website.

The following withdrawal Transmission zone IDs apply:

- 80-89 Envestra
- 90-99 APT/Allgas

The following injection Transmission zone IDs apply:

- 400 Queensland

## **12. Appendix – E (MIBB WebExchanger Access Guide – Exclusions and Additions)**

- Ignore the following references listed in REFERENCES section are not relevant for Queensland 1, 2, 10 and 11
- Ignore all references to WEX or Web Exchanger