RETAIL MARKET PROCEDURES (QUEENSLAND)

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VERSION CONTROL

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2.0	30 Oct 2009	1.1.1 Definitions 7.8 Revised Statements.	Notice to Participants on AEMO decision to approve amendments to these Procedures issued 9 October 2009.
3.0	1 Feb 2011	1.1.1 Definitions 1.6 Review Chapter 2 (title) Chapter 5 6.4.1(b)(ii) 6.4.1(d)(ii) 6.5.1(c)(ii) Attachment 2 Attachment 3	Changes following prescribed Review in clause 1.6 undertaken. Changes made under issue numbers: IN017/10 IN018/10 IN024/10 IN033/10
4.0	1 July 2011	1.1.1 Definitions Deleted – 6.1(g), 6.1(h), 6.1(i), 6.6, 6.7, 6.8.2, 6.9 and 7.2(b)(i)	Changes made under issue number IN045/10 [Removal of exceedance charges and Participant Compensation Fund (PCF) from Queensland retail gas market]
5.0	3 Nov 2011		Changes made under issue numbers: IN004/11 (SCU inclusion) IN018/11 (Redistribution of PCF) IN017/11 (Removal of CI monitoring process)
6.0	STTM Commencement		Changes made under issue numbers: IN048/10 (STTM changes)
7.0	17 Apr 2012	1.1.1 Definitions 4.1.1 Transfer Request 4.5A Ineligible Transfers	Amendments made under issue IN019/11 transfer validation
8.0	1 Feb 2013	4.6.1 Registration of prospective transfers	Amendments made under issue IN018/12 Prospective CATS transfers
9.0	1 Oct 2013	Definitions FRC HUB	Amendments made under IN006/11 Updates to FRC HUB Operational Terms and Conditions and references in the RMPs
10.0	3 November 2014	Definitions Market Audit	Amendments made under IN028/13 (Harmonisation of Audit Provisions)

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11.0	1 July 2015	1.1.1 Definitions 2.9.5A Commissioning of Decommissioned Distribution Supply Point 4.1.2 Proposed Transfer Date Chapter 9 – Customer Data Chapter 10 – Retailer of Last Resort 4.3.1 Objection Notice	SA Minister amendments IN040/10 – Changes to the Retail Market Procedures (Queensland) in light of NECF. IN005/12 - Queensland customer data provision (NECF) IN025/12 – QLD RoLR Procedures
12	14 September 2015	Amendments made in accordance with the following Procedure change IN012/11 (approved 10/03/15)	Authorised under the NGL and NGR provisions effective 14/9/2015
13	16 November 2016	Amendment made in accordance with the following Procedure change: IN031/11 (approved 14/10/16)	Authorised under the NGL and NGR provisions effective 16 November 2016.
14	31 July /2017	Amendments made to 1.1.1 (Definitions), 1.1.3 (The Regulatory Framework), 1.1.4 (Application), 1.3.5 (Additional FRC Hub Outage), 2.9.2 (De-energising) 3.3.2 (Complete MIRN Listing), 4.6.3 (Alternative Transfer date), 6.2.2 (Obligations of Distributors, AEMO and Users), Chapter 8, 10.1.3 (MIRN Database Update) in accordance with the following Procedure change IN001/15, IN024/14, IN027/14, IN008/15, IN016/15, IN022/15, IN020/15,. Also amendments made to 1.2, 1.4.1, 1.7, 2.2.3, 2.9.5, 2.9.5A, 4.3.3, 5.2.3, 8.1 and Chapter 10.	Authorised under the NGL and NGR provisions effective 31 July 2017.
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16	28 September 2018	Amendments made to 1.1.1 (Definitions) and 1.3.4 (FRC Hub) in accordance with Procedure change IN003/18. Amendments made to 2.6.2 and 4.6.1 in accordance with Procedure change IN001/18.	Authorised under the NGL and NGR provisions effective 28 September 2018.
17	28 June 2019	Add new chapter 12 in accordance with Procedure change IN009/18.	Authorised under the NGL and NGR provisions effective 28 June 2019.
18	8 August 2019	Amendments made to 1.1.1 (Definitions) in accordance with Procedure change IN0010/18.	Authorised under the NGL and NGR provisions effective 8 August 2019.

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19	1 October 2019	Amendments made to 1.1.1 (Definitions) in accordance with Procedure change IN002/16.	Authorised under the NGL and NGR provisions effective 6:00am AEST 1 October 2019.
20	30 April 2021	Amendments made in accordance with the following Procedure changes • clauses 4.1.1 Transfer Request - IN002/18 • delete clause 2.9.3 and add clause 2.9.3A – IN004/17 • Clause 1.3.1 add further clarity addition to the aseXML schema enumerated address based identifiers process. – IN005/20 • IN010/15 - removal of the word 'calendar' before day as it causes confusion about the definition of 'day' which is currently undefined. See 1.1.1, 2.9.7, 3.1.1, 3.3.2, 6.3, 6.4.1, ,6.5.2, 7.7, 9.1, 10.1.6, 10.1.9, 11.6.1 • IN013/15 - Prospective FRO" in NSW/ACT. This is a term not used other jurisdictions. For consistency AEMO proposed to also add this definition in VIC and QLD. See clause 1.1.1 • IN003/21 – Remove gas day harmonisation transitional. Clause 1.1.1 updated MIRN and Discovery Address definitions. Also add new sub clause to 1.2.2 interpretations All the above is part of IN004-17	Authorised under the NGL and NGR provisions effective 30 April 2021.
21	31/03/2022	Amendment made in accordance with the IN008/19 - COR Amend RMPs to have alternate timeline (Package 1 Procedure consultation including IN015/11 (Harmonise the definition of Actual Metering with NSW/ACT and SA) and IN006/22 (Redundant Provisions for QLD RMPs – sufficient financial standing)	
22	03/03/2025	Amendment made in accordance with the 2023 Package 4 – IN006-23 (Renewable Gas Integration (non Vic and WA) and IN007-24 (Minor RMP changes).	Authorised under the NGL and NGR provisions effective 3 March 2025.
23	30 January 2026	IN001/25 Minor anomaly with Chapter 6 of QLD RMP.	

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CHAPTER 1 GENERAL

1.1 General

1.1.1 Definitions

Words and phrases in these *Procedures* which appear in italics have the following meanings unless an intention to the contrary appears:

actual meter reading	The figures or other information shown on a *meter* or instrument as actually *read.*
address based identifiers	in relation to the address standard specified in the *Gas Interface Protocol,* the attributes that make up the *address based identifiers* are street type, street suffix, flat or unit type, floor or level type and postal delivery type.
adjustment period	Period agreed between the *Distributor* and *Users* for adjusted energy and or delivery.
AEMO	Has the meaning given to that term in the *Law.*
AEMO Consumed Energy Scenario (Queensland)	Means a process that defines the way in which *consumed energy* data must be delivered to *AEMO* and is *published* on its website.
AEMO meter register	The metering register maintained by *AEMO.*
AER	Has the meaning given to that term in the *Law*.
aged debt	In relation to a *Customer* (but not a *small customer*) means an amount or amounts owed by that *Customer* to a *Market Participant* for the sale of *gas* by the *Market Participant* to that *Customer* where, at that time, the amount or the aggregate of those amounts: (a) exceeds $100; and (b) has been due and payable for more than 40 *business days*.
aggregated consumption	For a *withdrawal zone* and *distribution region*, the total consumption of *gas* in *GJ* by *Customers* of a *User* in that *withdrawal zone* and *distribution region* on a *gas day* and determined in accordance with clause 6.3.1.
aggregated injections	For a *withdrawal zone* and *distribution region*, the total injections of *gas* by, or on behalf of, a *User* into that *withdrawal zone* and *distribution region* on a *gas day* and provided to AEMO pursuant to clause 6.4.
allocated UAFG	Means the *UAFG* estimated by the *Distributor* that is sent to *AEMO* as described in clause 11.5.
allowable period	In relation to a *transfer request* lodged without a *Customer no-change statement,* the period commencing on the tenth *business day* prior to the *proposed transfer date* and expiring on the fourth *business day* after the *proposed transfer date*.

	or In relation to a *transfer request* 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	In relation to a *transfer request*, a notice delivered to *AEMO* pursuant to clause 4.6.3.
applicable access arrangement	Has the meaning given in the *Law*.
approved estimation methodology	An applicable estimation methodology contained in Attachment 2.
approved substitution methodology	An applicable substitution methodology contained in Attachment 3.
approved validation methodology	An applicable validation methodology contained in Attachment 1.
average heating value	In relation to a *reading period*, has the meaning given to that term in clause 2.6.1(b).
balancing	The process by which the aggregated energy of all *gas* consumed by the *Customers* of each *User* in a *non-STTM withdrawal zone* and *distribution region* is balanced against the aggregated energy of all *gas* injected into that *withdrawal zone* and *distribution region* on behalf of each *User* as set out in Chapter 6.
base load	In relation to a *distribution supply point*, means the level of *gas* consumption at that *distribution supply point* that is not affected by the weather.
basic meter	A *meter* without a *data logger.*
basic meter limit	An energy consumption of 10*TJ* during the past twelve months.
base reading	Has the meaning given to that term in clause 2.6.1(a).
billing period	The period of one month commencing at the start of the first *gas day* of each month, or other period as notified by *AEMO*.
business day	Means a day, other than a Saturday, a Sunday or a Queensland wide public holiday (as appointed under the *Holidays Act 1983* (Qld)).
changeover date	Means the date fixed by Ministerial Gazette notice for *AEMO*'s assumption of responsibility for these *Procedures*.
checksum	In relation to a *MIRN*, a single digit used to validate the correct entry of a *MIRN* in a database entry field.

complete customer listing	A listing created and administered by a *Retailer* that comprises a number of data attributes as defined in the *Gas Interface Protocol* of every *MIRN* that is recorded in the *Retailer* Customer Information System (CIS) for which they are the current *FRO.*
complete MIRN listing	A listing created and administered by a *Distributor* that comprises the *MIRN, discovery address* and *meter number* of every *MIRN* that is recorded in the *MIRN database* of that *Distributor*.
consumed energy	In relation to a period, the *flow* during that period converted to energy by application of the applicable *average heating value* and the *pressure correction factor* (see clause 2.6.1(a)(iv)). [**Note**: In the case of a *meter* calibrated in imperial units, the *flow* is converted by the *Distributor* into metric units]
cumulative imbalance	For a *withdrawal zone* and *distribution region*, the total *imbalance* for that *withdrawal zone* and *distribution region* for a *billing period* determined for a *final statement* or a *revised statement* in accordance with clause 6.5.1(c). [**Note**: A *cumulative imbalance* is to be calculated only in respect of *non-STTM withdrawal zones* (see clause 6.5).]
cumulative imbalance issue date	The date on which a *cumulative imbalance* is issued, being the date of issue of either a *final statement* or a *revised statement*.
custody transfer point	Has the meaning given to it in rule 364 of the *Rules* and also includes a point at which *gas* passes from a *transmission system* or an *injection facility* to a *distribution system* that is part of a *non-STTM withdrawal zone.*
Customer	The 'customer' as defined in section 5 of the *NERL* (or, where relevant, an 'exempt customer' as defined in section 109 of the *NERL*) in relation to *gas* delivered at a *distribution supply point* for particular premises
Customer characterisation	In relation to a *Customer*, whether the *Customer* is 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.
Customer no-change statement	In relation to a *transfer request*, a statement in the *transfer request*, pursuant to clause 4.1.1(aii)(iii) that it is intended that the person who purchases *gas* at the relevant *distribution supply point* as at the day on which the *transfer request* is delivered to *AEMO*, will purchase *gas* that is delivered at that *distribution supply point* from the *Retailer* who delivered that *transfer request* to *AEMO* following the registration of that *Retailer* in the *AEMO meter register* as the *FRO* for that *distribution supply point*.

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 the *Distributor* to which the *meter* relates.
daily extract	An *extract* for a single *gas day* sent in accordance with clause 5.5.1(1) and containing data for all *interval meters* required by *AEMO* for that *gas day.*
data collection system	All equipment and arrangements that lie between the *AEMO metering database* and the point where the data collected by equipment and installations associated with a *meter* enters the public telecommunications network.
data logger	A device that collects and stores data relating to the volume measured by the *meter* each *gas day*, and is capable of: (a) transferring recorded data to a portable reading device; and (b) being accessed electronically by the *Distributor* through the *data collection system.*
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.
data retention period	In relation to a *meter* at a particular time, the period of seven years preceding that time.
de-energise or disconnect	Have the meanings given in Part 1 of the *NERL*.
deregister	In relation to a *MIRN*, means that the *distribution supply point* has been permanently removed.
disconnect	See definition of *de-energise.*
discovery address	In relation to a *distribution supply point*, the address of the premises to which *gas* is supplied at that *distribution supply point* at a minimum including: street number (or the equivalent), street name, street identifier and suburb/city/town. The *discovery address* may optionally also include other specified site address information that conforms with the address standard specified in the *Gas Interface Protocol*.
designated RoLR	has the same meaning as in Part 6 of the *NERL*.
distribution area	Has the meaning given under the *Gas Supply Act*.
distribution authority	Has the meaning given under the *Gas Supply Act*.
distribution region	Distribution region includes all *distribution areas* that are covered by each *Distributor's distribution authority* except for a *distribution area* covered under an *excluded*

	distribution authority and in the case of a *Distributor* that holds a Reticulator's Authorisation issued under the *Gas Supply Act 1996* of New South Wales, includes the relevant distribution districts corresponding to that *Distributor* in its Reticulator's Authorisation.
distribution supply point	A point on a *distribution system* at which *gas* is withdrawn from the *distribution system* and delivered to a person who purchases that *gas* and consumes it at particular premises or to an *injection facility*.
distribution system	Has the same meaning as in the *NERL.*
distribution tariff	Has the meaning given to it in a *Distributor's applicable access arrangement*.
Distributor	Means an entity that participates in the gas market of Queensland, in a registrable capacity of a distributor under the *Rules* and has registered with *AEMO* under the *Rules* in that registrable capacity.
effective degree day	Has the meaning given to that term in clause 3 of Attachment 4.
EFT facility	The Reserve Bank real time gross settlement facility which is made available to all *Users* in accordance with clause 7.1 or where a Reserve Bank real time gross settlement facility is not available, an electronic funds transfer facility to be arranged by *AEMO* and made available for all *Users* at their own expense in accordance with clause 7.1.
energise	Has the meaning given in Part 1 of the *NERL.*
estimated meter reading	An estimate of an *actual meter reading* that is made under these *Procedures* in accordance with an *approved estimation methodology* or a *Customer-own read.*
excluded distribution authority	Has the meaning given under the *Gas Supply Regulation*.
excluded services	Has the meaning given to it in a *Distributor's applicable access arrangement*.
existing transfer request	Has the meaning given to that term in clause 4.1.5(c).
explicit informed consent	Has the meaning given in Part 1 of the *NERL*.
extract	A set of *interval meter* data provided by each *Distributor* to *AEMO* for a *gas day* or a range of *gas days* in accordance with clause 5.5.1.
extract type	A *daily extract* or a *final extract* or a *revision extract.*
failed Retailer	Has the same meaning as in the *NERL*.
final cumulative imbalance	For a *withdrawal zone* and *distribution region*, the *cumulative imbalance* for that *withdrawal zone* and *distribution region* for a *billing period* determined for a *final statement* in accordance with clause 6.5.1(c)(i).

final extract	A *monthly extract* that is sent in accordance with clause 5.5.1(2), 6.4.1(b)(i) or 6.4.1(c).
final statement	A statement issued by *AEMO* under clause 7.4.
flow	The difference between a *validated meter reading* and the immediately preceding *validated meter reading.*
FRC fees	The fees payable by a *User* determined by AEMO in accordance with the *Law* and the *Rules.*
FRC HUB	The information system provided by AEMO for the transmission of aseXML messages under these *Procedures.*
FRC HUB Operational Terms and Conditions	The terms and conditions under which *AEMO*, each *User* and *Distributor* seek connection to and are obliged to operate under when connecting to and issuing or receiving transactions on the FRC HUB.
FRO	(Financially Responsible Organisation) In relation to a *supply point* at any time, the financially responsible retailer or organisation identified as the *Retailer* responsible for settling the account relating to that *supply point.*
gas	Has the meaning given to 'covered gas' in the *Law*.
gas day	A period of 24 consecutive hours starting at the same time as a *standard gas day* as defined in Part 26 of the *Rules.*
Gas Interface Protocol	The protocol referred to in clause 1.3.
Gas Supply Act	Means the *Gas Supply Act 2003* (Qld).
Gas Supply Regulation	Means the *Gas Supply Regulation 2003* (Qld).
generated consumed energy	An estimate of consumed energy at a *distribution supply point*, calculated by *AEMO* using the estimation methodology defined in Attachment 2, where the energy is required for wholesale settlement calculations and for which *AEMO* has not yet received a *validated meter reading* or *estimated meter reading* from the relevant *Distributors*.
GJ	Means one gigajoule which equals 1 x 10^9 joules.
GST	Includes the Goods and Services Tax described in the *GST Act* and any replacement or similar tax.
GST Act	Means *A New Tax System (Goods and Services Tax) Act 1999* (Cth).
heating value zone	In relation to a *distribution supply point*, the *heating value zone* (if any) which is determined by the *Distributor* as the *heating value zone* for that *distribution supply point*.
host retailer	Means the local area retailer under the *NERL* for the *distribution region* of Allgas Energy Pty Ltd (ACN 009 656

	446) or the *distribution region* of Envestra Limited (ACN 078 551 685) (as the case may require).
imbalance	For a *withdrawal zone* and *distribution region*, the difference in *GJ* between the *aggregated consumption* for a *User* and the *aggregated injections* for that *User,* for that *withdrawal zone* and *distribution region* for a *gas day* and determined by *AEMO* in accordance with clause 6.5.1(a) for a *final statement*. [**Note**: An *imbalance* is to be calculated only in respect of *non-STTM withdrawal zones* (see clause 6.5).]
injection allocation trades notice	A notice issued to *AEMO* in accordance with clause 6.4.1 (d) detailing the energy traded, in gigajoules, of the injection allocations swapped between *Users* and the *Users* who are part of this trade.
injection facility	Has the meaning given to it in rule 364 of the *Rules* and also includes a facility at which *gas* is directly injected from that facility at a *custody transfer point* into a *non-STTM withdrawal zone.*
injection facility operator	Means the operator on an *injection facility.* [**Note:** An *injection facility operator* that participates in the retail gas market in a registrable capacity under Part 15A of the *Rules* must register in that capacity and comply with the obligations applicable to that capacity.]
insolvency official	has the same meaning as in Part 6 of the *NERL*.
installation database	In relation to a *Distributor*, the *database* which the *Distributor* is required to create, maintain and administer in accordance with clauses 2.9.1(e) (i), 2.9.2(a)(i)(A) and 2.9.3(b)(i).
Interest rate	The 90 day Bloomberg Bank Bill Swap Reference Rate as published in the Australian Financial Review from time to time.
interval meter	A *meter* with a *data logger*.
Law	Means the National Gas Law as set out in the schedule to the *National Gas (South Australia) Act 2008* (SA).
local capacity charge	A charge other than an *excluded services* charge or *distribution tariff* charge for "distribution connection" services other than those that are in a *Distributor's applicable access arrangement*.
logical meter	A *meter* created by *AEMO* for purposes of aggregating, allocating or apportioning energy data.
market information bulletin board	An electronic facility provided by *AEMO* (bulletin board on internet) for the publication of information to *Users* and *Distributors*.
meter	A device used to directly measure the mass or volume of *gas* passing through it and includes the associated

	equipment attached to the device to filter, control or regulate the flow of *gas*.
meter data database	A database created, maintained and administered by a *Distributor* pursuant to clause 2.1.1.
metering database	A database created, maintained and administered by *AEMO* pursuant to clause 6.2.3(a).
metering installation	The *meter* and associated equipment and installations installed for a *distribution supply point*.
meter measurement scheme	A scheme established by each *Distributor* under the *Petroleum and Gas Act* that includes details of the *approved validation methodology*, *approved estimation methodology* and *approved substitution methodology* relating to that *Distributor.*
meter number	A unique identification number allocated to a *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 schedule	A schedule provided by a *Distributor* to *Retailers* pursuant to clauses 2.2.1(a) or (b).
MIRN	(Meter Installation Registration Number) The numeric name of a *distribution supply point* as recorded at any time in the *MIRN database* of the *Distributor.* The *MIRN* includes a *checksum.*
MIRN database	A database created, maintained and administered by a *Distributor* pursuant to clause 3.1.
MIRN discovery request	In relation to a *distribution supply point*, a request by a *Retailer* or AEMO to a *Distributor* for the information referred to in clause 3.1.1 in relation to a *distribution supply point* which is (or is purported to be) located in the *distribution area* of that *Distributor* (such *distribution supply point* being identified by reference to a *MIRN* or a *discovery address*).
MJ	Means one megajoule which equals 1 x 10^6 joules.
monthly extract	An *extract* for all *gas days* in the month and containing either data for all *interval meters* required by *AEMO* for each *gas day* or data for all *interval meters* and *gas days* in a month where any data item has changed since the previous *extract* covering that *interval meter* and that *gas day* was sent to *AEMO*.
NERL	The National Energy Retail Law as set out in the schedule to the National Energy Retail Law (South Australia) Act 2011 (SA), as applied as a law of Queensland in

	accordance with the National Energy Retail Law (Queensland) Act 2014 (Qld).
net system load profile methodology	The methodology contained in Attachment 4.
network section	means the pipeline associated with *Network ID.*
Network ID	means the identifier assigned to a pipeline in accordance with the *Gas Interface Protocol.*
new basic meter	Installation of a *basic meter* to a *distribution supply point* that has never had a meter installation registered previously.
NSL	Has the meaning given to that term in Attachment 4.
non-STTM withdrawal zone	A *withdrawal zone* that is not an *STTM withdrawal zone*.
objection notice	In relation to a *transfer request*, a notice delivered to *AEMO* pursuant to clause 4.3.1.
objection withdrawal notice	In relation to a *transfer request*, a notice delivered to *AEMO* pursuant to clause 4.3.2.
Participant	A *Retailer, Self contracting user* or a *Distributor* or other person registered with *AEMO* in accordance with the *Rules*.
payment date	The date on which payment is due in respect of a *billing period* as determined by clauses 7.5(a) and 7.6(a).
permitted prospective period	In relation to a *transfer request*, the period of 90 *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 185 *business days* expiring immediately before the day on which the *transfer request* is delivered to *AEMO*.
Petroleum and Gas Act	Means the *Petroleum and Gas (Production and Safety) Act 2004* (Qld).
preliminary extract	A *monthly extract* that is sent in accordance with clause 5.5.1(1A).
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.
Process to Validate Aggregated Injections	Means the process established by the former gas market operator and maintained by AEMO under clause 6.4.2(a).
Procedures	The Retail Market Procedures (Queensland).
projected basic meter limit	Where a *basic meter* has a projected energy consumption of more than 10*TJ* during the next twelve months.
proposed transfer date	In relation to a *transfer request*, the day nominated in that *transfer request* as the day with effect from which the *User* who delivers the *transfer request* to *AEMO* is to be registered in the *AEMO meter register* as the *FRO* for the

	distribution supply point to which the *transfer request* relates.
prospective FRO	A *Retailer or a Self Contracting User* that wishes to become the *FRO* for a *distribution supply point.*
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*.
publish	The posting of information on the *AEMO* web site.
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	In relation to a *transfer request*, a notice delivered by *AEMO* pursuant to clause 4.6.2.
reading period	The period between two consecutive *validated meter readings* for a *basic meter distribution supply point* (see clause 2.6.1(a)).
reconciliation MIRN	Means the *MIRN* that the *Distributor* registers with *AEMO* to cater for reconciliation adjusted gas delivery for both the *UAFG provider* and *host retailer.*
reconciliation quantity	The amount of gigajoules for each *withdrawal zone* and *distribution region* provided to *Users* to enable them to determine whether *UAFG* is in surplus or shortfall.
re-energise	Has the meaning given in Part 1 of the *NERL*.
reference reading	The *validated meter reading* obtained on the end date of a *reading period* (see clause 2.6.1(a)).
registration end date	In relation to a *transfer request* which nominates a *retrospective transfer date* as the *proposed transfer date*, the last date that the *User* who delivered the *transfer request* wishes to be registered in the *AEMO meter register* as the *FRO* for the *distribution supply point* to which that *transfer request* relates.
registration notice	A notice delivered by *AEMO* pursuant to clause 4.8.
relevant dispute	Has the meaning given to that term in Part 15C of the *Rules*.
replacement basic meter	Installation of a *basic meter* to a *distribution supply point* that replaces a *basic meter* currently registered as installed at that distribution *supply point.*
retail authority	Has the meaning given under the *Gas Supply Act*.
Retailer	An entity that participates in the retail gas market of Queensland in a registrable capacity of a retailer under the *Rules,* and has registered with *AEMO* under the *Rules* in that registrable capacity.
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 *distribution supply point* to which the *transfer request* relates would be decreased or eliminated if the *User* who delivered the *transfer request* to *AEMO* were to be registered in the *AEMO meter register* as the *FRO* for that *distribution supply point* with effect from the *retrospective transfer date.*
revised cumulative imbalance	For a *withdrawal zone* and *distribution region*, the *cumulative imbalance* for that *withdrawal zone* and *distribution region* for a *billing period* determined for a *revised statement* in accordance with clause 6.5.1(c)(ii).
revised imbalance	For a *withdrawal zone* and *distribution region*, the difference in *GJ* between the *aggregated consumption* for a *User,* and the *aggregated injections* for that *User ,* for that *withdrawal zone* and *distribution region* for a *gas day* and determined by *AEMO* in accordance with clause 6.5.1(a) for a *revised statement*.
revised statement	A statement issued by *AEMO* under clause 7.9 following the resolution of a dispute or correction of an error relating to a *final statement* or a revision determined on the last *business day* of the ninth month after the *billing period.*
revision extract	A *monthly extract* that is sent in accordance with clause 5.5.1(3), 5.5.1(4), 6.4.1(b)(ii) , 6.4.1(b)(iii) or 6.4.1(d)(ii).
RoLR event	Has the same meaning as in Part 6 of the *NERL*.
RoLR transfer date	Has the same meaning as 'transfer date' in Part 6 of the *NERL*.
Rules	The National Gas Rules made in accordance with the *Law*.
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 *host retailer.*
Self contracting user	An entity that participates in the retail gas market of Queensland in a registrable capacity of a self contracting user under the *Rules*, and has registered with *AEMO* under the *Rules* in that registrable capacity.
service order	means a request from a *User* requesting that the *Distributor* undertake the delivery of a service.
service order in flight report	means a listing created and administered by a *Distributor* that comprises a number of data attributes as defined in the *Gas Interface Protocol* of every *MIRN* that the *failed Retailer* has initiated a service order and the *Distributor* has yet to complete the request.
settlement amount	The amount payable by or to a *User* in respect of a *billing period* as determined by *AEMO* under clause 7.2.

settlement business day	Has the meaning given to the term 'business day' in clause 10 of Schedule 2 to the *Law*.
settlement statement	A statement issued by *AEMO* in the form of a *final statement* under clause 7.4 or a *revised statement* under clause 7.8.
site access information	In relation to a *meter*, information and safety instructions that are relevant to locating and *reading* that *meter*.
small customer	has the same meaning as in the *NERL*.
special read	A *read* undertaken other than in accordance with a *meter reading schedule*.
special read date	The date nominated by a *User* 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 *Gas Interface Protocol*.
street/suburb combination	In relation to a *MIRN discovery request*, the *discovery address* excluding the street number or its equivalent.
STTM	Has the meaning given in paragraph (c) of the definition of the term 'short term trading market' in rule 364 of the *Rules*.
STTM distribution system allocation	Has the meaning given in rule 364 of the *Rules*. The calculation is defined in clause 6.10.1.
STTM Procedures	The Procedure made *under section 91BRH of the Law.*
STTM withdrawal zone	A *withdrawal zone* to which *gas* is supplied by *custody transfer points, as* defined in rule 372A(1) of the *Rules,* which is a distribution system for the Brisbane hub as defined in rule 372A(2) of the *Rules*.
subject Customer	In relation to a *distribution supply point,* a person who purchases or proposes to purchase *gas* that is delivered at that *distribution supply point* and who consumes or proposes to consume that *gas* at a particular premises.
substituted meter reading	A reading that is substituted under these *Procedures* for an *actual meter reading* in accordance with an *approved substitution methodology*.
temperature sensitivity factor	In relation to a *distribution supply point*, means the incremental *gas* consumption at that *distribution supply point* that is the *GJ* per *effective degree day* calculated in accordance with Attachment 4.
TJ	Means one terajoule which equals 1 x 10^{12} joules.
Total Consumption	All *meter readings* for all *basic meters* and *interval meters* during the *UAFG* year. This includes *UAFG*.
Total Injection	*Consumed energy* from *custody transfer points.*
transfer request	In relation to a *distribution supply point*, a request by a *User* to *AEMO* to register that *User* in the *AEMO meter register* as the *FRO* for that *distribution supply point*.

transfer request notification	In relation to a *transfer request*, a notice delivered by *AEMO* pursuant to clause 4.2.
transfer withdrawal notice	In relation to a *transfer request*, a notice delivered to *AEMO,* pursuant to clause 4.5.1.
transmission system	Means the transmission pipeline used to transport *gas* from *gas* producer to a *distribution system*.
transmission zone	In relation to a *distribution supply point* the "transmission zone" in which that *distribution supply point* is located pursuant to clause 3.1.1(g).
UAFG	See definition for *unaccounted for gas*
UAFG estimation methodology	Means the methodology referred to in clause 11.4
UAFG MIRN	Means the *MIRN* that the *Distributor* registers with *AEMO* with *FRO* as the *UAFG provider* for the relevant *distribution area* as described in clause 11.2 for the purpose of allocating a *UAFG* value.
UAFG provider	Means the *retailer* who provides *UAFG* in a *distribution area* for a *UAFG year.*
UAFG year	Means a period for *UAFG* reconciliation commencing at the start of *gas day* 1 July in any year and concluding at the end of a *gas day* 30 June for the following year.
Unaccounted for gas	is the difference between the amount of gas injected into the *distribution system* at all *custody transfer points* and the amount of gas withdrawn from the *distribution system* at all *distribution supply points*, including but not limited to leakage or other actual losses, discrepancies due to metering inaccuracies and variations of temperature, pressure and other parameters.
update extract	An *extract* for one or more *gas days* sent in accordance with clause 5.5.1A and containing data for all *interval meters*: (a) for which *consumed energy* for those *gas days* has changed since a previous *extract* was provided to *AEMO;* or (b) in relation to which *AEMO* requests such an extract.
User	Means a *Retailer* or a *Self contracting user.*
validated meter reading	A *meter reading* that has been validated in accordance with an *approved validation methodology*.
withdrawal zone	A grouping of *distribution areas,* not including those covered under an *excluded distribution authority,* as defined by *AEMO* for the purposes of *balancing* or the calculation of *STTM distribution system allocations* (as the case may be). See further clause 1.3A.

withdrawal zone and distribution region	See clause 1.3A.

1.1.2 Interpretation

These principles of interpretation apply to these *Procedures* unless the contrary intention appears:

(aa) Terms defined in the *Law*, the *NERL* or the *Rules*, and not otherwise defined in clause 1.1.1, whether or not they appear in italics in these *Procedures*, have the meanings given to them in the *Law,* the *NERL* or the *Rules* (as applicable).

(a) references to time are references to Australian Eastern Standard Time;

(b) if a period of time is specified in days from a given day or an act or event, it is to be calculated exclusive of that day or, if that day is not a *business day*, exclusive of the first *business day* following that day;

(c) in deciding whether a person has used reasonable endeavours, regard must be had to all relevant factors including whether the person has acted in good faith and has done what is reasonably necessary in the circumstances; and

(d) where *Participants* are required to calculate values under these *Procedures*, such calculations must not apply truncation to any value. Derived values will not have an implied accuracy greater than any of the input variables to the calculation. Thus for a value derived from the product of two variables, one with two decimal place precision and one with three decimal place precision, the product will initially be set to three decimal places to allow for rounding to a final precision of two decimal places. Rounding will only be applied to the final value derived in the calculation process. The rounding method will be as described in the examples below:

ROUND 2.14 to one decimal place - equals 2.1
ROUND 2.15 to one decimal place - equals 2.2
ROUND 2.159 to one decimal place - equals 2.2
ROUND 2.149 to two decimal places - equals 2.15
ROUND -1.475 to two decimal places equals -1.48

Example 1 Energy Calculation:
PCF of 1.0989
HV of 39.81
Vol of 200
1.0989 * 39.81*200 = 8749.4418
Rounded to 8749

Example 2 Energy Calculation:
PCF of 1.0989
HV of 41.89
Vol of 200
1.0989 * 41.89* 200= 9206.5842
Rounded to 9207

Example 3 Energy Calculation:
PCF of 1.0989
HV of 38.55
Vol 345 cubic feet (100s)

345*2.832*1.0989*38.55 = 41389.94982
Rounded to 41390

(e) Schedule 2 of the NGL includes further provisions applicable to the interpretation of these *Procedures*.

(f) Unless expressly stated otherwise in the Procedure, the version of the Procedure that applies to a *gas day* is the version of the Procedure that was in effect at the start of the *gas day*.

1.1.3 The Regulatory Framework

(a) These *Procedures* form part of the regulatory framework which is applicable to *AEMO*, *Users* and *Distributors* under the *Gas Supply Act,* the *Law,* the *Rules* and the *NERL*.

1.1.4 Application

(a) If a provision of these *Procedures* is inconsistent with the *Gas Supply Act,* the *Petroleum and Gas Act,* the *Law* or the *Rules* or the *NERL,* the *Gas Supply Act,* the *Petroleum and Gas Act*, *Gas Industry Code*, the *Law* or the *Rules* or the *NERL* (as the case may be) will prevail to the extent of the inconsistency.

(b) Unless expressly provided otherwise, the provisions of Chapter 2 of these *Procedures* do not apply to *interval meters*.

(c) Unless expressly provided otherwise, the provisions of Chapter 5 of these *Procedures* do not apply to *basic meters*.

(d) These *Procedures* apply in respect of *distribution supply points* in a *distribution region*.

(e) Nothing in these *Procedures* has the effect of enabling a *Customer* to transfer to a new *Retailer* on a date prior to the date on which that *Customer* is able to do so in accordance with the *Gas Supply Act*.

1.2 There is no clause 1.2

1.3 Gas Interface Protocol

1.3.1 Amendment

(a) Except otherwise specified in clause 1.3.1(b), the *Gas Interface Protocol* may only be amended by *AEMO* undertaking one of the following consultative processes:

(i) the ordinary process for making *Procedures* under section 135EE of the *Rules*; or

(ii) the expedited process for making *Procedures* under section 135EF of the *Rules*.

(b) If a *Retailer* or a *Distributor* or AEMO becomes aware of an addition needed to the aseXML schema enumerated *address based identifiers*, as soon as practicable after becoming aware of the change the relevant *Retailer* or *Distributor* or AEMO must:

(i) ensure that the AseXML Standards Working Group (ASWG) is advised of this new *address based identifier* for addition to the aseXML schema

enumerated *address based identifiers* using the rapid change process as set out in the ASWG Change Management Process as published on the AEMO website; and

(ii) where there has been an update to the aseXML schema enumerated *address based identifiers*, AEMO must provide a notice via the *FRC HUB* broadcast email distribution list that an addition to the list has been implemented; and

(iii) where a *Retailer* or a *Distributor* has received a notice as set out in clause 1.3.1(b)(ii), it must use reasonable endeavours to implement the updated enumerations file within 10 *business days* but no later than 35 *business days* after the date of the notice.

1.3.2 Publication

AEMO must *publish* the *Gas Interface Protocol*, as amended from time to time, on its website.

1.3.3 Effect

AEMO and each *User and Distributor* must comply with, and is bound by, the *Gas Interface Protocol* in respect of the provision of information, giving of notice, delivery of notices or documents and making of requests, and the receipt of information, notices, documents or requests, as contemplated by these *Procedures*.

1.3.4 FRC HUB

(a) In accordance with the certification process (Gas FRC Business to Business connectivity Testing and System Certification) maintained and *published* by *AEMO*, *AEMO* and each *Retailer* and *Distributor* must be certified by *AEMO* prior to using the *FRC HUB* for transactions specified in the *Gas Interface Protocol.*

(b) *AEMO* must maintain and *publish, FRC HUB Operational Terms and Conditions* for the *FRC HUB*.

(c) *AEMO,* prior to implementing changes to the *published FRC HUB Operational Terms and Conditions* for the *FRC HUB*, must:

(i) provide *Retailers* and *Distributors* with the proposed change to the *FRC HUB Operational Terms and Conditions*; and

(ii) allow a reasonable time to receive *Retailer* and *Distributor* responses to the proposed change to the *FRC HUB Operational Terms and Conditions*.

(d) *AEMO* and each *Retailer* and *Distributor* must comply with the *FRC HUB Operational Terms and Conditions*, as *published* by *AEMO* on its website from time to time.

(e) A breach, by a *Retailer* or *Distributor* of the *FRC HUB Operational Terms and Conditions,* is taken to be a breach of these *Procedures* for the purposes of section 91MB of the Law.

(f) Where a *Retailer* or *Distributor* uses the *FRC HUB* in breach of the *FRC HUB Operational Terms and Conditions*, then as soon as *AEMO* becomes aware of such breaches *AEMO*:

(i) must notify the *Retailer* or *Distributor* of the breach; and

(ii) may take any action in relation to the breach, including issuing a direction to the *Retailer* or *Distributor* under section 91MB(4)(b) of the Law to rectify the breach or to take specified measures to ensure future compliance (or both).

(g) Where a *User* or *Distributor* continues to use the *FRC HUB* in breach of the *FRC HUB Operational Terms and Conditions* after a notice of a breach under 1.3.4(f)(i) has been provided to the *Retailer* or *Distributor*, and continued significant breaches of the same nature are evident, then *AEMO* may treat the continued breach as a material breach of these *Procedures* and refer the matter to the *AER* in accordance with section 91MB(4)(c) of the *Law*.

1.3.5 Additional FRC HUB outages

(a) After consultation with affected *Distributors* and *Retailers*, AEMO may determine an outage period during which the *FRC HUB* will not be available, in addition to the outages covered by the *FRC HUB Operational Terms and Conditions* and unplanned outages (an “additional *FRC HUB* outage”).

(b) AEMO must publish details of the additional *FRC HUB* outage at least 7 days before the outage commences.

(c) The published details of the additional *FRC HUB* outage must include any changes to any timing requirement set out in these *Procedures* that will apply during the outage.

1.3A Withdrawal zones and distribution regions

References in these *Procedures* to a "*withdrawal zone* and *distribution region*" are to be construed as references to that *withdrawal zone* in so far as it pertains to that *distribution region*. Accordingly, where a *withdrawal zone* extends over more than one *distribution region* then, for the purposes of *balancing* and the calculation of *distribution system allocations*, the relevant provision is to be applied separately to each part of the *withdrawal zone* that pertains to a different *distribution region*. References in these *Procedures* to an "*STTM withdrawal zone* and *distribution region*" or a "*non-STTM withdrawal zone* and *distribution region*" are to be construed in a corresponding way.

1.4 Confidentiality

[**Note:** Please see Division 7, Part 6 of the *Law* and rule 138A of the *Rules* which provides for the use and disclosure of confidential information.]

Unless these *Procedures* state otherwise, any information provided to *AEMO*, a *User,* or a *Distributor* under these *Procedures* is classified as confidential information for the purposes of the *Law* and the *Rules.*

1.5 Dispute resolution

(a) The dispute resolution provisions under the *Rules* apply to the determination of any compensation payable in the circumstances set out in clause 6.9.3; and

(b) A dispute referred to in clause 1.5(a) is a *relevant dispute* for the purposes of the *Rules*.

1.6 [Deleted]

1.7 Market audit

(a) *AEMO* must undertake a review in accordance with this clause ("**Review**") at least every two years.

(a1) A Review must constitute an examination in accordance with the standard for a review specified in Auditing Standard ASAE 3000 (Explanatory Framework for Standards on Audit and Audit Related Services) (as varied from time to time) prepared by the Auditing and Assurance Standards Board.

(b) In undertaking a *Review*, *AEMO* must appoint a person (a "**Market Auditor**") who in *AEMO's* reasonable opinion is independent and suitably qualified to conduct the required *Review*.

(c) A *Review* must examine compliance by *AEMO* with its processes and the effectiveness and appropriateness of systems utilised in the operation of any activities as set out in or contemplated by the *Procedures*, including but not limited to:

(i) *AEMO's* compliance processes and compliance with the *Procedures*;

(ii) IT Controls, including software management and business continuity;

(iii) integrity of the *AEMO meter register*;

(iv) profiling processes and systems; and

(v) retail billing and information systems.

(d) *AEMO* will determine, in consultation with *Participants*, the extent and scope of the *Review* to be undertaken.

(e) *AEMO* must ensure that the person who conducts the *Review* prepares a report in which the results of the *Review* are set out.

(f) *AEMO* must *publish* the report on its website and make it available to *Participants* on request.

CHAPTER 2 BASIC METER PROCESSES

2.1 Meter Data Database

2.1.1 Creation, Maintenance and Administration

(a) Each *Distributor* must create, maintain and administer a database in relation to all of the *distribution supply points* that are located in the *distribution region* of that *Distributor,* such a database is to include the following information in respect of each such *distribution supply point* and the *meter* that relates to that *distribution supply point*:

(i) the *MIRN*;

(ii) the *meter number*;

(iii) each *actual meter reading* made during the *data retention period*, and the date on which that *reading* was undertaken;

(iv) each *estimated meter reading* made during the *data retention period*, the date to which that *estimated meter reading* pertains and details of the *approved estimation methodology* applied to obtain that *estimated meter reading* (each *estimated meter reading* must be identified as such and, where an *estimated meter reading* is a *Customer*-own read, the *estimated meter reading* must also be identified as a *Customer*-own read);

(v) each *substituted meter reading* made during the *data retention period*, the date to which that *substituted meter reading* pertains and details of the *approved substitution methodology* applied to obtain that *substituted meter reading* (each *substituted meter reading* must be identified as such); and

(vi) in respect of each *meter reading* included in the *meter data database*:

(A) the *flow* during the period since the immediately preceding *validated meter reading* which is included in the *meter data database*;

(B) the *average heating value* for that period as calculated in accordance with these *Procedures*;

(C) the *pressure correction factor* to be applied in respect of that *flow*; and

(D) the *consumed energy* during that period.

(b) The obligations set out in clauses 2.1.1(a)(iii), (iv), (v) and (vi) relate to *validated meter readings.* A *Distributor* may, but is not required to, include in the *meter data database meter readings* that are not *validated meter readings* (each non-*validated meter reading* must be identified as such).

2.1.2 Updating of Meter Data Database

Except as otherwise provided in clause 2.9 in relation to the period within which such information must be included in the *meter data database*, each *Distributor* must use its reasonable endeavours to ensure that the information required to be included in its *meter data database* is included in that *meter data database* by 5.00 pm on the first *business day* following the day on which that information is obtained or calculated by the *Distributor*.

2.1.3 Use of Data

AEMO must use the information provided to *AEMO* from the *meter data database* of each *Distributor* for any purpose contemplated by these *Procedures*.

2.2 Meter Reading

2.2.1 Meter Reading Schedule

(a) Not less than three months prior to each 30 June (where the period to which the then current *meter reading schedule* relates expires on 30 June) or each 31 December (where the period to which the then current *meter reading schedule* relates expires on 31 December), each *Distributor* must provide to each *Retailer* who is the *FRO* for a *distribution supply point* which is located in the *distribution region* of that *Distributor* a schedule setting out the date on which it proposes to *read* all its *meters* during the 12 months following that 30 June or 31 December (as the case may be). This schedule must provide for all such *meters* to be *read* at intervals of approximately one month (where the *meters* are on a monthly reading cycle) or three months (where the *meters* are on a quarterly reading cycle) (with the first reading to be undertaken approximately one month or three months (as the case may be) after the last reading undertaken prior to that date).

(b) A *Retailer* may at any time request a *Distributor* to change a date in a *meter reading schedule* where that change pertains to a *meter* that relates to a *distribution supply point* which is located in the *distribution region* of that *Distributor* and in respect of which the *Retailer* is the *FRO*. However, the *Distributor* is not required to make the requested change.

(c) A *Distributor* must notify the *Retailer* who is the *FRO* for a *distribution supply point* in the *distribution region* of that *Distributor* of any changes the *Distributor* proposes to make to a date in a *meter reading schedule*, in respect of the reading of the *meter* relating to that *distribution supply point*, as far as practicable at least three months prior to that change being made and the *Distributor* must consult with that *Retailer* prior to making that change.

(d) A *Distributor* must use its reasonable endeavours to *read meters* in accordance with the applicable *meter reading schedule* or as otherwise agreed with the *Retailer* who is the *FRO* for the *distribution supply point* to which the relevant *meters* relate.

(e) If, in respect to a particular day, a *Distributor* is unable to *read* the *meters* comprising a discrete route in accordance with a *meter reading schedule*, the *Distributor* must use its reasonable endeavours to notify that failure to each *Retailer* who is a *FRO* for a *distribution supply point* to which such a *meter* relates by 5.00 pm on the second *business day* after the day on which it was unable to *read* the *meter.*

2.2.2 Site Access Information

(a) Each *User* who is the *FRO* for a *distribution supply point* which is located in the *distribution region* for that *Distributor* must use its reasonable endeavours to provide that *Distributor* with details of any changes to any *site access information* in relation to the *meter* that relates to that *distribution supply point* by 5.00 pm on the first *business day* following the day on which the *User* receives those details. Those details must be identified to the *Distributor* by reference to the *MIRN* for the *distribution supply point* to which the *meter* relates.

(b) Each *Distributor* must use its reasonable endeavours to provide each *User* who is the *FRO* for a *distribution supply point* which is located in the *distribution region* of a *Distributor* with details of any changes to any s*ite access information* in relation to the *meter* that relates to that *distribution supply point* by 5.00 pm on the first *business day* following the day on which the *Distributor* receives those details.

Those details must be identified to the *User* by reference to the *MIRN* for the *distribution supply point* to which the *meter* relates.

2.2.3 Provision of Meter Reading Information

(a) Except as otherwise provided in clause 2.9 in relation to the period within which such information must be provided, a *Distributor* must provide to the *FRO* for a *distribution supply point* that is located in the *distribution region* for that *Distributor* the following information in respect of the *meter* relating to the *distribution supply point* (identified by reference to the *MIRN* for that *distribution supply point*):

(i) where the *Distributor* has *read* the *meter* in accordance with the applicable *meter reading schedule* and the *actual meter reading* is a *validated meter reading*, the *Distributor* must use its reasonable endeavours to provide the *FRO* with the following information:

(A) the day on which the *meter* was *read*; and

(B) the *validated meter reading* for that *meter*,

by 5.00 pm on the first *business day* following the day on which the *meter* was *read*;

(ii) where the *Distributor* has *read* the meter in accordance with the applicable *meter reading schedule* but the *actual meter reading* is not a *validated meter reading*, the *Distributor* must:

(A) undertake an *estimated meter reading* as at the *scheduled read date* in accordance with clause 2.4; and

(B) use its reasonable endeavours to provide the *FRO* with the following information:

(1) the *scheduled read date*;

(2) the *estimated meter reading* (identified as such) for that *meter*;

(3) the details of the *approved estimation methodology* applied to obtain that *estimated meter reading*; and

(4) the reason for the *actual meter reading* not being a *validated meter reading*,

by 5.00 pm on the second *business day* following the day on which the *meter* was *read*;

(iii) where the *Distributor* has been unable to *read* the *meter* in accordance with the applicable *meter reading schedule*, the *Distributor* must:

(A) undertake an *estimated meter reading* as at the *scheduled read date* in accordance with clause 2.4; and

(B) use its reasonable endeavours to provide the *FRO* with the following information:

(1) the *scheduled read date*;

(2) the *estimated meter reading* (identified as such) for that *meter*;

(3) the details of the *approved estimation methodology* applied to obtain that *estimated meter reading*; and

(4) the reason for the *Distributor* not being able to *read* the *meter*,

by 5.00 pm on the second *business day* following the *scheduled read date* for that *meter*;

(iv) where the *Distributor* has been unable to obtain a *validated meter reading* in accordance with the applicable *meter reading schedule*, the *Distributor* must use its reasonable endeavours to provide the *FRO* with the following information:

(A) the day on which the *meter* was *read*; and

(B) the *validated meter reading* for that *meter*,

by 5.00 pm on the second *business day* following the day on which the *meter* was *read*;

(v) where the *Distributor* has been provided a *Customer-own read* by the *FRO* and the *Distributor* reasonably considers the *Customer-own read* to be accurate, the *Distributor* must use its reasonable endeavours to provide the *FRO* with the following information:

(A) the day on which the *meter* was *read*; and

(B) the *validated meter reading* for that *meter*,

by 5.00 pm on the first *business day* following the day on which the *Customer-own read* was received by the *Distributor*; or at a time and frequency agreed by the parties;

(vi) where the *Distributor* has undertaken a *special read* of the *meter* that was requested by the *User* who is the *FRO* for the *distribution supply point* to which that *meter* relates, and the *actual meter reading* is a *validated meter reading*, the *Distributor* must use its reasonable endeavours to provide the *User* with the following information:

(A) the day on which the *meter* was read; and

(B) the *validated meter reading* for that *meter*,

by 5.00 pm on the first *business day* following the day on which the *meter* was read;

(vii) where:

(A) the *Distributor* has undertaken a *special read* of the *meter*, but the actual *meter reading* is not a *validated meter reading*; or

(B) the *Distributor* has been unable to *read* the *meter* on a *special read date*,

the *Distributor* must use its reasonable endeavours to notify the *User* who requested the *special read* of that fact (and the reason for it), and to specify the next day on which a *special read* of that *meter* can be undertaken by the *Distributor*, by 5.00 pm on the first *business day* following the *special read date*[*];

(viii) where details of a *Customer-own read* are provided by the *Customer* in writing to the *Distributor*, the *Distributor* must use its reasonable endeavours

[*] For the avoidance of doubt, nothing in clause 2.2.3(a)(vii) shall be construed as requiring the Distributor to attempt to read the meter on the day specified by it pursuant to that clause unless the relevant Retailer subsequently nominates that day for that purpose in a special read request made pursuant to clause 2.2.5(a) in which case clause 2.4.3 will apply.

to provide those details to the *FRO* by 5.00 pm on the first *business day* following the day on which the *Distributor* received those details or at a time and frequency agreed by the parties and must identify the details as relating to a *Customer-own read*; and

(ix) where the *Distributor* has substituted a *meter reading* in accordance with clause 2.5, the *Distributor* must use its reasonable endeavours to provide the *FRO* with the following information:

(A) the date to which the *substituted meter reading* pertains;

(B) the *substituted meter reading* (identified as such) for that *meter*; and

(C) details of the *approved substitution methodology* applied to obtain that *substituted meter reading*,

by 5.00 pm on the first *business day* following the day on which the *substituted meter reading* was calculated.

(b) Where, pursuant to clause 4.2 or 4.6, *AEMO* has notified a *Distributor* of a *transfer request* or an *alternative transfer date notice*, the *Distributor* must provide to *AEMO* the following information in respect of the *meter* relating to the *distribution supply point* to which the relevant *transfer request* relates (identified by reference to the *MIRN* for that *distribution supply point*):

(i) where the *Distributor* has *read* the *meter* during the *allowable period* (if any) in relation to the relevant *proposed transfer date*, or the *permitted prospective period* (if any) in relation to the relevant *transfer request*, and the *meter reading* is a *validated meter reading* and an *actual meter reading*, the *Distributor* must use its reasonable endeavours to provide to *AEMO* the following information:

(A) the dates of that *validated meter reading* and the immediately preceding *validated meter reading*; and

(B) the *consumed energy* for the period between the dates referred to in clause 2.2.3(b)(i)(A),

by midnight on the first *business day* following the day on which the *meter* was *read*;

(ii) where the *Distributor* has *read* the *meter* during the *allowable period* (if any) in relation to the relevant *proposed transfer date*, or the *permitted prospective period* (if any) in relation to the relevant *transfer request*, and the *meter reading* is a *validated meter reading* and an *actual meter reading* but the *Distributor* has been unable to obtain the reading in accordance with the *meter reading schedule*, the *Distributor* must use its reasonable endeavours to provide to *AEMO* the following information:

(A) the dates of that *validated meter reading* and the immediately preceding *validated meter reading*; and

(B) the *consumed energy* for the period between the dates referred to in clause 2.2.3(b)(ii)(A),

by midnight on the second *business day* following the day on which the *meter* was *read*;

(iii) where the *Distributor* has *read* the *meter* during the *allowable period* (if any) in relation to the relevant *proposed transfer date*, or the *permitted prospective period* (if any) in relation to the relevant *transfer request*, and the

meter reading is a *validated meter reading* and a *substituted meter reading*, the *Distributor* must use its reasonable endeavours to provide to *AEMO* the following information:

(A) the dates of that *validated meter reading* and the immediately preceding *validated meter reading*; and

(B) the *consumed energy* for the period between the dates referred to in clause 2.2.3(b)(iii)(A),

by midnight on the second *business day* following the day on which the *meter* was *read*; and

(iv) where the *Distributor* has *read* the meter on the *retrospective transfer date* (if any) nominated in the relevant *transfer request* and the *meter reading* is a *validated meter reading* (other than an *estimated meter reading*), the *Distributor* must use its reasonable endeavours to provide to *AEMO*:

(A) the dates of that *validated meter reading* and the immediately preceding *validated meter reading*; and

(B) the *consumed energy* for the period between the dates referred to in clause 2.2.3(b)(iv)(A);

by midnight on the first *business day* following the day on which the *transfer request notification* relating to the *transfer request* was delivered to it.

(c) Where, pursuant to clause 4.8, *AEMO* delivers a *registration notice* in respect of a *distribution supply point* to the *Distributor* in whose *distribution region* that *distribution supply point* is located, that *Distributor* must use its reasonable endeavours to:

(i) provide to the *User* that has been registered as the *FRO* for the *distribution supply point* the *validated meter reading* referred to in clause 2.2.3(b) (whether that reading was obtained from a *special read* of the *meter* or as a result of a *read* conducted in accordance with a *meter reading schedule*); and

(ii) where the *proposed transfer date* nominated in the *transfer request* is a *prospective transfer date*, provide to the person who was the *FRO* for that *distribution supply point* immediately prior to the registration of the new *FRO* for that *distribution supply point* the *validated meter reading* referred to in clause 2.2.3(b)(i) (where that reading was obtained from a *special read* of the *meter*),

by 5.00 pm on the first *business day* following the day on which the *Distributor* receives the *registration notice*.

(d) Subject to clause 2.2.3(e), a *Distributor* must use its reasonable endeavours to provide to the *FRO* for a *distribution supply point* that is located in the *distribution region* of the *Distributor* such information from its *meter data database* in respect of that *distribution supply point* and the *meter* relating to that *distribution supply point* (being information referred to in clause 2.1.1(a) other than information in relation to any *special read* requested by a person other than the *FRO* for that *distribution supply point*) as the *FRO* requests as follows:

(i) if the request pertains to a time that is not more than two years prior to the day on which the request is delivered to the *Distributor*, by 5.00 pm on the fifth *business day* following the day on which the request is delivered to the *Distributor*;

(ii) if the request pertains to a time that is between two and seven years prior to the day on which the request is delivered to the *Distributor*, by 5.00 pm on the tenth *business day* following the day on which the request is delivered to the *Distributor*; and

(iii) in either case, that information must be identified to the *FRO* by reference to the *MIRN* for the relevant *distribution supply point*.

(e) The *FRO* for a *distribution supply point* may only request information from a *Distributor* pursuant to clause 2.2.3(d) that relates to a period during which that *FRO* was registered as the *FRO* for that *distribution supply point* in the *AEMO meter register*.

(f) A *Distributor* must use its reasonable endeavours to provide to *AEMO* such information from its *meter data database* in respect of a *distribution supply point* and the *meter* relating to that *distribution supply point* (being information referred to in clause 2.1.1(a)) as *AEMO* requests as follows:

(i) if the request pertains to a time that is not more than two years prior to the day on which the request is delivered to the *Distributor*, by 5.00 pm on the fifth *business day* following the day on which the request is delivered to the *Distributor*;

(ii) if the request pertains to a time that is between two and seven years prior to the day on which the request is delivered to the *Distributor*, by 5.00 pm on the 10th *business day* following the day on which the request is delivered to the *Distributor*; and

(iii) in either case, that information must be identified to *AEMO* by reference to the *MIRN* for the relevant *distribution supply point*.

2.2.4 Customer provided Meter Readings

If, following the failure by a *Distributor* to *read* a *meter*, the *Customer* of a *User* provides the *User* with details of a *Customer-own read*, the *User* must use its reasonable endeavours to provide those details to the *Distributor* by 5.00 pm on the first *business day* following the day on which it receives those details from the *Customer* or at a time and frequency agreed by the parties.

2.2.5 Special Reads

(a) A *User* may request a *Distributor* to undertake a *special read* of a meter relating to a *distribution supply point* which is located in the *distribution region* of the *Distributor* by delivering a *special read* request to the *Distributor*. The *special read request* must nominate, as the day on which the *special read* is to be undertaken, a *business day* that is not less than two *business days* after the day on which the *special read request* is given to the *Distributor*.

(b) The *Distributor* must use its reasonable endeavours to undertake the *special read* on the *special read date*.

2.3 Validation of Meter Readings

2.3.1 Approved Validation Methodology

(a) A *Distributor* must validate a *meter reading* for the purposes of these *Procedures and* must validate this *meter reading* in accordance with an *approved validation methodology*.

(b) Prior to changing an *approved validation methodology*, the *Distributor* must consult with each *User* who is the *FRO* for a *distribution supply point* which is located in the *distribution region* of that *Distributor*.

2.3.2 Validation of Meter Readings

A *Distributor* must ensure that *meter readings* are validated in accordance with an *approved validation methodology* before:

(i) the *meter reading;* or

(ii) information calculated on the basis of the *meter reading*,

is provided to a *FRO* or *AEMO.*

2.4 Estimated Meter Readings

2.4.1 Approved Estimation Methodology

(a) If a *Distributor* is required to undertake an *estimated meter reading* for the purposes of these *Procedures*, the *Distributor* must undertake that *estimated meter reading* in accordance with an *approved estimation methodology*.

(b) Prior to changing an *approved estimation methodology*, the *Distributor* must consult with each *User* who is the *FRO* for a *distribution supply point* which is located in the *distribution region* of that *Distributor*.

2.4.2 Changes to Estimates

(a) The *Retailer* who is the *FRO* for a *distribution supply point* to which a *meter* relates may, at any time, request a *Distributor* who has undertaken an *estimated meter reading* in relation to that *meter* for the purposes of these *Procedures* to change that estimate. The *Distributor* may change that estimate if it reasonably considers the revised estimate to be more accurate.

(b) If a *Distributor* changes an *estimated meter reading*, then the *Distributor* must use its reasonable endeavours:

(i) to recalculate any *flow* and *consumed energy* calculated using the previous *estimated meter reading*;

(ii) to include the new *estimated meter reading*, *flow* and *consumed energy* in its *meter data database*;

(iii) to provide the new *estimated meter reading, flow* and *consumed energy* to the *FRO* for the *distribution supply point* by 5.00 pm on the first *business day* following the day on which that *estimated meter reading* is changed; and

(iv) to provide the new *consumed energy* to *AEMO* in relation to each *distribution supply point* which is a *second tier supply point* by midnight on the first *business day* following the day on which that *estimated meter reading* is changed.

2.4.3 Subsequent Actual Meter Reading

If a *Distributor* subsequently *reads* a *meter* in relation to which it has undertaken an *estimated meter reading* and the *actual meter reading* is a *validated meter reading* the *Distributor* must use its reasonable endeavours:

(a) to recalculate any *flow* and *consumed energy* calculated using the previous *estimated meter reading;*

(b) to include the *actual meter reading* and the new *flow* and *consumed energy* in its *meter data database*;

(c) to provide the *actual meter reading* and the new *flow* and *consumed energy* to the *FRO* for the *distribution supply point* by 5.00 pm on the first *business day* following the day on which the *meter* was *read*; and

(d) to provide the new *consumed energy* to *AEMO* in relation to each *distribution supply point* which is a *second tier supply point* by midnight on the first *business day* following the day on which the *meter* was *read*.

2.5 Substituted Meter Readings

2.5.1 Approved Substitution Methodology

(a) A *Distributor* must only undertake a *substituted meter reading* in accordance with, and in the circumstances specified in, an *approved substitution methodology*. The *approved substitution methodology* must specify the criteria which must be satisfied before that methodology may be applied.

(b) Prior to changing an *approved substitution methodology*, the *Distributor* must consult with each *User* who is the *FRO* for a *distribution supply point* which is located in the *distribution region* of that *Distributor*.

2.5.2 Changes to Substitutes

(a) The *User* who is the *FRO* for a *distribution supply point* to which a *meter* relates may, at any time, request a *Distributor* who has undertaken a *substituted meter reading* in relation to that *meter* for the purposes of these *Procedures* to change that substitute. The *Distributor* may change that substitute if it reasonably considers the revised substitute to be more accurate.

(b) If a *Distributor* changes a *substituted meter reading*, then the *Distributor* must use its reasonable endeavours:

(i) to recalculate any *flow* and *consumed energy* calculated using a previous *substituted meter reading;*

(ii) to include the new *substituted meter reading*, *flow* and *consumed energy* in its *meter data database*;

(iii) to provide the new *substituted meter reading, flow* and *consumed energy* to the *FRO* for the *distribution supply point* by 5.00 pm on the first *business day* following the day on which that *substituted meter reading* is changed; and

(iv) to provide the new *consumed energy* to *AEMO* in relation to each *distribution supply point* which is a *second tier supply point* by midnight on the first *business day* following the day on which that *substituted meter reading* is changed.

2.6 Calculation and Provision of Energy Data

2.6.1 Calculation of Energy Data

(a) Where a *Distributor* has obtained or made a *validated meter reading* (the *reference reading*), the *Distributor* must calculate the *consumed energy* in relation to that *meter* during the period (the *reading period)* commencing on the date of the immediately preceding *validated meter reading* which is included in its *meter data database* in respect of that *meter* (the *base reading*) and expiring on the date of the *reference reading* as follows:

(i) the *Distributor* must calculate the *flow* during that *reading period* on the basis of the *reference reading* and the *base reading*;

(ii) where the *meter* is calibrated in imperial units the *Distributor* must convert the *flow* to metric units;

(ii) the *Distributor* must apply the applicable *pressure correction factor* to that *flow*; and

(iv) the *Distributor* must apply the *average heating value* for the *reading period* to the pressure corrected *flow* so as to obtain the energy deemed to be consumed (*consumed energy*) in relation to that *meter* during that *reading period*.

(b) For each *heating value zone* the *average heating value* for a *reading period* is to be calculated by the *Distributor* as the average, over the *reading period*, using the average daily flow weighted heating values for that *heating value zone*. Where the average daily flow weighted heating value for a day is not available, the *Distributor* must use the average daily flow weighted heating value for the previous day.

(c) For each *heating value zone* the *Distributor* must use reasonable endeavours to provide the daily flow weighted heating values to *AEMO* for the *gas day* by 1:30pm of the following *business day*.

(d) *AEMO* must use reasonable endeavours to *publish* the daily flow weighted heating values for the *gas day* by 5pm the following *business day*.

2.6.2 Provision of Energy Data

(a) Except as otherwise provided in clause 2.9 in relation to the period within which such information must be provided, a *Distributor* must use its reasonable endeavours to provide to the *FRO* for the *distribution supply point* to which a *meter* relates (unless the *reference reading* was obtained from a *special read* of the *meter* requested by a person other than the *FRO* for that *distribution supply point)*:

(i) the *MIRN* for the *distribution supply point*;

(ii) the *meter number* for the *meter*;

(iii) the *flow* used to calculate the *consumed energy*, together with:

(A) the *reference reading* and the *base reading* used to calculate the *flow* (identified as being *actual meter readings*, *estimated meter readings* or *substituted meter readings* as the case may be); and

(B) the dates on which those *meter readings* were obtained or made;

(iv) the *pressure correction factor* and the *average heating value* used to calculate the *consumed energy*; and

(v) the *consumed energy*,

by

(1) 5.00 pm on the first *business day* after the day on which the *meter* was *read* where the *meter reading* was a *validated meter reading*; or

(2) 5:00 pm on the first *business day* after the day on which *a meter read* was provided by the *FRO* where the *meter reading* was a *validated meter reading, or*

(3) where the *Distributor* has been unable to obtain a *validated meter reading* in accordance with a *meter reading schedule*, 5:00 pm on the second *business day* after the *scheduled read date;* or

(4) where the *meter reading* was an *estimated meter reading* or a *substituted meter reading*, 5:00 pm on the second *business day* after the *scheduled read date*.

(b) Except as otherwise provided in clause 2.9 in relation to the period within which such information must be provided, a *Distributor* must also use its reasonable endeavours to provide to *AEMO* in relation to each *distribution supply point* which is a *second tier supply point*:

(i) the *MIRN* for the *distribution supply point*;

(ii) the *consumed energy*;

(iii) the dates on which the *reference reading* and *base reading* for the *consumed energy* were obtained or made; and

(iv) information as to whether the readings used to calculate the *flow* are *actual meter readings*, *estimated meter readings* or *substituted meter readings*,

by

(1) midnight on the first *business day* after the day on which the *meter* was *read* where the *meter reading* was a *validated meter reading*; or

(2) midnight on the first *business day* after the day on which *a meter read* was provided by the *FRO* where the *meter reading* was a *validated meter reading,* or

(3) where the *Distributor* has been unable to obtain a *validated meter reading* in accordance with a *meter reading schedule*, midnight on the second *business day* after the *scheduled read date;* or

(4) where the *meter reading* was an *estimated meter reading* or a *substituted meter reading*, midnight on the second *business day* after the *scheduled read date*.

(c) Where, pursuant to clause 4.8, *AEMO* delivers a *registration notice* in respect of a *distribution supply point* to the *Distributor* in whose *distribution region* that *distribution supply point* is located, that *Distributor* must use its reasonable endeavours to:

(i) provide to the *User* that has been registered as the *FRO* for the *distribution supply point* the information referred to in clause 2.6.2(a) (excluding *base reading, flow, consumed energy* and the *average heating value* used to calculate the *consumed energy)* in respect of the *validated meter reading* referred to in clause 2.2.3(b), which *validated meter reading* is the *reference reading* for the purposes of this clause 2.6.2 (whether that reading was obtained from a *special read* of the meter or as a result of a read conducted in accordance with a *meter reading schedule*); and

(ii) where the *proposed transfer date* nominated in the *transfer request* is a *prospective transfer date*, provide to the person who was the *FRO* for that *distribution supply point* immediately prior to the registration of the new *FRO* for that *distribution supply point* the information referred to in clause 2.6.2(a) in respect of the *validated meter reading* referred to in clause 2.2.3(b)(i), which *validated meter reading* is the *reference reading* for the purposes of

this clause 2.6.2 (where that reading was obtained from a *special read* of the meter),

by 5.00 pm on the first *business day* following the day on which the *Distributor* receives the *registration notice*.

(d) Where, pursuant to clause 2.2.3, the *Distributor* has provided:

(i) to the *FRO* for a *distribution supply point* any of the information referred to in clause 2.6.2(a); or

(ii) to *AEMO* any of the information referred to in clause 2.6.2(b),

the *Distributor* will have satisfied its obligations under clause 2.6.2(a) or 2.6.2(b) (as applicable) with respect to the information provided under clause 2.2.3.

(e) Where *AEMO* delivers a *registration notice* in respect of a *distribution supply point* under clause 4.8 to the relevant *Distributor*, the previously registered *FRO* will cease to be entitled to receive energy data under clause 2.6.2(a) in respect of any period after the effective date of the relevant registration from the later of:

(i) the end of the *business day* on which the *registration notice* was received by the *Distributor*; and

(ii) if the *registration notice* was received after 5.00 pm on a *business day*, 9.00 am on the next *business day*.

2.6.3 Energy Data required by AEMO

(a) *AEMO* must, at least once every 3 months use its reasonable endeavours to review all information received by it from each *Distributor* pursuant to Chapter 2 of these *Procedures* in respect of *meters* relating to *second tier supply points* for the purpose of determining whether it has been provided with all of the information which *Distributors* are required to provide to it in respect of those *meters* pursuant to Chapter 2 of these *Procedures.*

(b) If that review reveals that a *Distributor* has not provided to *AEMO* all of the information which the *Distributor* is required to provide pursuant to Chapter 2 of these *Procedures* in respect of such *meters*, *AEMO* must notify the *Distributor* as soon as practicable and the *Distributor* must use its reasonable endeavours to provide the relevant information to *AEMO* by 5.00 pm on the first *business day* following the day on which *AEMO* gives that notice to the *Distributor*.

2.7 Data Change

2.7.1 Request for Verification

The *FRO* for a *distribution supply point* which is located in the *distribution region* of a *Distributor* may request the *Distributor* to verify specified information provided by the *Distributor* to it pursuant to these *Procedures* in relation to a *meter* relating to that *distribution supply point*.

2.7.2 Distributor to Verify Information

(a) The *Distributor* must, as soon as reasonably practicable, verify that specified information in any manner it considers appropriate (including by way of a *special read*) and must use its reasonable endeavours to provide the results of that verification (together with details of the method by which that specified information

was verified) to the *FRO* who requested the verification by 5.00 pm on the first *business day* following the day on which the verification is concluded.

(b) If the verification reveals that the specified information is materially incorrect, then the *Distributor* must use its reasonable endeavours:

(i) to make such changes to the information included in its *meter data database* as are necessary to correct that information;

(ii) to provide the new information the subject of a change under clause 2.7.2(b)(i) to the *FRO* who requested the verification by 5.00 pm on the first *business day* following the day on which the verification is concluded; and

(iii) to provide the new information the subject of a change under clause 2.7.2(b)(i), and which is required by *AEMO* under these *Procedures*, to *AEMO* by midnight on the first *business day* following the day on which the verification is concluded.

2.8 Profiling

2.8.1 Data for Profiling

(a) Where a *FRO* requests a *Distributor* to install a *meter,* the *FRO* must provide to the *Distributor*, at the time of that request, a *Customer characterisation* for the *distribution supply point* to which that *meter* will relate.

(b) Where:

(i) pursuant to clause 4.8, *AEMO* delivers a *registration notice* in respect of a *distribution supply point* to the *Distributor* in whose *distribution region* the *distribution supply point* is located; and

(ii) the *distribution supply point* is a *second tier supply point*,

the *Distributor* must use its reasonable endeavours to provide to *AEMO* a *base load* and a *temperature sensitivity factor* for that *distribution supply point* by midnight on the second *business day* following the day on which the *Distributor* receives the *registration notice*.

(c) Each *Distributor* must use its reasonable endeavours to provide to *AEMO* a new *base load* and a new *temperature sensitivity factor* for each *distribution supply point* in its *distribution region* that is a *second tier supply point* by midnight on the last *business day* before 30 April and 31 October of each year.

(d) For the purposes of clauses 2.8.1(b) and 2.8.1(c), the *base load* and the *temperature sensitivity factor* for a *distribution supply point* must be determined by the *Distributor* as follows:

(i) where there is 6 months of consumption history for that *distribution supply point*, in accordance with clause 2.5.2 of Attachment 4; or

(ii) where there is not 6 months of consumption history for that *distribution supply point*, in accordance with clause 2.5.3 of Attachment 4.

2.8.2 Profile Preparation and Application

AEMO must apply the *net system load profile methodology* to apportion into *gas days*, for settlement purposes, the *consumed energy* in relation to each *meter* that relates to a *second tier supply point.*

2.8.3 Provision of Information to FROs

(a) By midnight on the *gas day* after the relevant *gas day*, *AEMO* must provide to each *FRO* for a *distribution supply point* the aggregate of the *consumed energy* in relation to each *meter* that relates to a *second tier supply point* and in respect of which it is the *FRO*, which *consumed energy* has been apportioned into that *gas day* by the application of the *net system load profile methodology.*

(b) *AEMO* must:

(i) recalculate the aggregate of the *consumed energy* referred to in clause 2.8.3(a) in accordance with clause 2.4.2 of Attachment 4; and

(ii) provide that aggregate to the relevant *FRO* by midnight on the first day after its calculation.

2.8.4 Publication of Net System Load Information on Market Information Bulletin Board

(a) *AEMO* must *publish* the *NSL* for each *distribution region* for each *gas day* of each month on the *market information bulletin board* by midnight on the *gas day* after the *gas day* to which the *NSL* relates.

(b) *AEMO* must:

(i) recalculate the *NSL* for each *distribution region* in accordance with clause 1.2.3 of Attachment 4;

(ii) *publish* the recalculated *NSL* for each *distribution region* for each day of each month on the *market information bulletin board* by midnight on the first day after its calculation.

(c) *AEMO* must make available to *Users* the *NSL* for each *distribution region* for each day of the previous three years.

2.9 Meter Management

2.9.1 Basic meter installation

(a) If a *User* requests the *Distributor* to install a *new basic meter* for a *distribution supply point*, the *Distributor* must install that *new basic meter* as soon as reasonably practicable and in such a manner as to comply with the requirements of the *Gas Supply Act*. Where the *User* requests a *replacement basic meter* (including by reason of there being a fault, malfunction or defect in relation to the existing *basic meter* or the existing *basic meter* having been damaged or destroyed), the *Distributor* must install the *replacement basic meter* as soon as reasonably practicable after it has satisfied itself that the in situ meter is no longer compliant with the requirements of the *Gas Supply Act* and any applicable laws.

(b) Notwithstanding clause 2.9.1(a), a *Distributor* is not required to install a *new basic meter* unless all requirements of applicable laws and regulatory instruments that are required to be satisfied before such a *basic meter* can be installed have been satisfied.

(c) The *Distributor* must comply with clause 2.9.2(a)(i) in relation to the *meter* (if any) which the *new basic meter* replaces.

(d) The *Distributor* must *read* the *new basic meter* on the date of its installation.

(e) Where a *new basic meter* or *replacement basic meter* has been installed by a *Distributor*, the *Distributor* must use its reasonable endeavours:

(i) to include the relevant details relating to the new *basic meter* in its *installation database*, its *MIRN database* and its *meter data database*;

(ii) to provide to the *User* that requested the installation of a *new basic meter* details of the *MIRN* for the *distribution supply point* to which the *meter* relates, together with the *actual meter readings* obtained under clauses 2.9.1(c) and 2.9.1(d) (or, where appropriate, a *substituted meter reading*) and, such other information for *Customer* account establishment and billing purposes as is specified in the *Gas Interface Protocol*, to the *User* for that *distribution supply point*; and

(iii) where the *distribution supply point* is new and is a *second tier supply point*, to provide to *AEMO* all the relevant details which are required for the purposes of updating the *AEMO meter register*,

by 5.00 pm on the fifth *business day* after the day on which the *new basic meter* is installed.

2.9.2 De-energising or Disconnecting basic meters

(a) Where a *Distributor de-energises* or *disconnects* a *basic meter* relating to a *distribution supply point* that is located in the *distribution region* of that *Distributor*, the *Distributor* must:

(i) on the date of *de-energisation* or *disconnection*, read that *meter*; and

(ii) use its reasonable endeavours:

(A) to include the relevant details relating to the *basic meter* in its *installation database*, its *MIRN database* and its *meter data database* (and to make such changes to the details included in those databases as are necessitated by the *de-energisation* or *disconnection* of that *basic meter*);

(B) to provide the *FRO* for that *distribution supply point* the *actual meter reading* obtained under clause 2.9.2(a)(i) (or, where appropriate, a *substituted meter reading*) and notice that the *meter* has been *de-energised* or *disconnected* ; and

(C) to provide to *AEMO* the information referred to in clause 2.6.2(b) and 2.9.2(a)(ii)(B) in respect of the *meter reading* referred to in clause 2.9.2(a)(ii)(B) (which *meter reading* is the *reference reading* for the purposes of clause 2.6.2) and (where that distribution supply point is a second tier supply point) a notice that the *meter* has been *de-energised* or *disconnected*,

by 5.00 pm on the fifth *business day* following the day on which the *meter* is *read*.

2.9.3 There is no clause 2.9.3

2.9.3A Meter Upgrade or Downgrade

(a) A *User* who is the *FRO* or prospective *FRO* who has received *explicit informed consent* from the *subject Customer* for a *distribution supply point* that is located in the *distribution region* of the *Distributor* may request that *Distributor* to:

(i) upgrade a basic meter at that *distribution supply point* to an *interval meter,* or

(ii) downgrade an *interval meter* at that *distribution supply point* to a *basic meter.*

(b) The *Distributor* must use reasonable endeavours to complete an upgrade to an *interval meter* or downgrade to a *basic meter* as requested under paragraph (a) within 40 *business days* after the day on which that request was delivered to the *Distributor.*

(c) Where a *basic meter* is upgraded to an *interval meter* by a *Distributor*, the *Distributor* must use its reasonable endeavours:

(i) to provide to *AEMO* all the relevant details relating to the *interval meter* which are required for the purposes of updating the *AEMO meter register*; and

(ii) to include the relevant details relating to the *interval meter* in its *installation database*, its *MIRN database* and its *meter data database,*

by 5.00pm on the 5th *business day* after the day on which the *meter* was upgraded; and

(d) Where an *interval meter* is downgraded to an *basic meter* by a *Distributor*, the *Distributor* must use its reasonable endeavours:

(iii) to provide to *AEMO* all the relevant details relating to the *basic meter* which are required for the purposes of updating the *AEMO meter register*; and

(iv) to include the relevant details relating to the *basic meter* in its *installation database*, its *MIRN database* and its *meter data database,*

by 5.00pm on the 5th *business day* after the day on which the *meter* was downgraded.

2.9.4 Time Expired Meters

If a *Distributor* identifies a class of *basic meters* that is required to be replaced on the basis of having reached the life expectancy of that class of *meter* in accordance to the *Petroleum and Gas Act*, the *Distributor* must:

(a) notify each *FRO* for a *distribution supply point* to which a *meter* which is a member of that class relates of its intention to replace all *meters* in that class;

(b) ensure that the *meters* to be replaced will be replaced by *meters* which comply with the *Petroleum and Gas Act* and any applicable laws; and

(c) remove the *meters* requiring replacement and install the replacement *meters* in accordance with clauses 2.9.2 and 2.9.1 (as if the *User* had requested the installation of the replacement *meter*) respectively.

2.9.5 [Deleted]

2.9.5A Re-energisation of Distribution Supply Points

If a *Distributor re-energises* a *distribution supply point* which has previously been *de-energised* or *disconnected* and is located in the *distribution region* of that *Distributor*, the *Distributor* must use its reasonable endeavours to notify the *FRO* for that *distribution supply point*, as well as (where that *distribution supply point* is a *second tier supply point*)

AEMO, of the date of the *re-energisation* of that *distribution supply point* by 5.00 pm on the fifth *business day* following the day on which the *distribution supply point* is *re-energised.*

2.9.6 Deregistration of distribution supply points

If a *Distributor deregisters* a *distribution supply point* which is located in the *distribution region* of that *Distributor*, the *Distributor* must use its reasonable endeavours to notify both the *FRO* for that *distribution supply point* and where that *distribution supply point* is a *second tier supply point, AEMO*, by 5.00 pm on the first *business day* following the day on which the *distribution supply point* is *deregistered*, of the date of the *deregistration* of that *distribution supply point.*

2.9.7 Metered supply points

(a) *Distributor* must calculate the total number of metered *supply points* in its *distribution region* as at midnight on the last day of each month.

(b) The *Distributor* must by 5:00 pm on the fifth *business day* after the end of a month provide *AEMO* with the details referred in clause 2.9.7(a).

CHAPTER 3 MIRN DISCOVERY PROCESSES

3.1 MIRN database

3.1.1 Creation, maintenance and administration of MIRN database by Distributors

Each *Distributor* must create, maintain and administer a database in relation to all of the *distribution supply points* that are located in the *distribution region* of that *Distributor*, such database to include the following information in respect of each such *distribution supply point* and the *meter* that relates to that *distribution supply point*:

(a) the *discovery address* and any other site address information specified in the *Gas Interface Protocol*;

(b) the *MIRN*;

(c) the *meter number*;

(d) the *pressure correction factor*;

(e) if the meter that relates to that *distribution supply point* is a *basic meter*:

(i) the *Customer characterisation*;

(ii) the date to which the most recent *validated meter reading* for that *meter* (other than an *estimated meter reading*) pertains;

(iii) the next date on which that *meter* is to be read in accordance with the applicable *meter reading schedule*; and

(iv) the next known date (if any) on which a *special read* is to occur in relation to that *meter*;

(f) if the *meter* that relates to that *distribution supply point* is an *interval meter,* the type of communication equipment (if any) used by that *meter*;

(g) the *transmission zone*[*] in which that *distribution supply point* is located;

(h) the distribution zone* in which that *distribution supply point* is located;

(i) the *heating value zone** in which that *distribution supply point* is located;

(j) the *distribution tariff* to which that *distribution supply point* is assigned;

(k) whether the *meter* that relates to that *distribution supply point* has been plugged or disconnected;

(l) any charges for *excluded services* that apply in relation to that *distribution supply point,* including (without limitation):

(i) any charges for operating and maintaining that *distribution supply point*, the *meter* which relates to that *distribution supply point* or equipment and installations associated with that *meter*; and

(ii) any *local capacity charge*s that apply in relation to that *distribution supply point*,

[*] For the avoidance of doubt, these fields are present however they default to the value of zero for Queensland.

together with the date of expiry of the period in respect of which those charges apply; and

(m) any other charges charged by the *Distributor* that apply in relation to that *distribution supply point*, the *meter* which relates to that *distribution supply point* or the equipment and installations associated with that *meter*, together with the date of expiry of the period in respect of which those charges apply.

3.1.2 Updating MIRN Database

Except as otherwise provided in clause 2.9 in relation to the period within which such information must be provided, each *Distributor* must use its reasonable endeavours to ensure that the information required to be included in its *MIRN database* is included in the *MIRN database* by midnight on the first *business day* following the day on which that information is obtained or calculated by the *Distributor*.

3.2 MIRN discovery request

3.2.1 Request

Subject to clause 3.2.2(a), any *Retailer* or *AEMO* may deliver a *MIRN discovery request* in relation to a *distribution supply point* to a *Distributor*. A *MIRN discovery request* must include at least the *MIRN* or the mandatory components of the *discovery address* for the *distribution supply point* to which the *MIRN discovery request* relates.

3.2.2 Explicit Informed Consent

(a) A *Retailer* must not deliver a *MIRN discovery request* in relation to a *distribution supply point* to a *Distributor* unless the *Retailer* has received the *explicit informed consent* of the subject *Customer* to the provision by the *Distributor* to that *Retailer* of the information referred to in clause 3.1.1 in respect of that *distribution supply point*.

(b) A *Retailer* who delivers a *MIRN discovery request* in relation to a *distribution supply point* to a *Distributor* is taken to have represented to the *Distributor* that the *Retailer* has received the *explicit informed consent* of the *subject Customer* to the provision by the *Distributor* to that *Retailer* of the information referred to in clause 3.1.1 in respect of that *distribution supply point.*

(c) *AEMO* is not required to obtain the *explicit informed consent* of the *subject Customer* in relation to a *distribution supply point* to the provision by the *Distributor* to *AEMO* of the information relating to that *distribution supply point* which is referred to in clause 3.1.1.

3.3 Response to MIRN discovery request

3.3.1 Street/Suburb Combination Listing

(a) Each *Distributor* must make available in an electronic form, which can be remotely accessed and electronically searched by all *Retailers* and *AEMO,* a listing (which complies with clause 3.3.1(b)) of every *street/suburb combination* that is recorded in the *MIRN database* of that *Distributor*.

(b) The entry relating to each *street/suburb combination* in the listing referred to in clause 3.3.1(a) must exactly replicate the mandatory components of the *discovery address* (other than the street number or its equivalent) as it is recorded in the *MIRN database* of the relevant *Distributor*, including without limitation:

(i) any abbreviations contained in the corresponding entry in the *MIRN database* (eg. St, Str, Ave, Rd);

(ii) any capital and lower case letters contained in the corresponding entry in the *MIRN database* (eg. Shaw road, mcgowan Street);

(iii) any spaces contained in the corresponding entry in the *MIRN database* (eg. Brown Street, Beau maris, Be aumaris); and

(iv) any misspellings contained in the corresponding entry in the *MIRN database* (eg. Beaumorris, Beau-maris),

provided however that the listing is not required to include an entry which, if it were so included, would exactly replicate an existing entry in that listing.

(c) The relevant *Distributor* must ensure that:

(i) at least once every month, the information required to be included in the listing referred to in clause 3.3.1(a) is updated, so that the listing contains the details of every *street/suburb combination* in respect of which a *discovery address* is recorded in the *MIRN database* of that *Distributor*; and

(ii) the listing referred to in clause 3.3.1(a) specifies the most recent date on which it was so updated.

(d) If AEMO or a *Retailer* or a *Distributor* becomes aware of a change to the details of a *discovery address:*

(i) AEMO or the *Retailer* must use its reasonable endeavours to provide the changed details to the *Distributor* in whose *distribution region* the *distribution supply point* for that *discovery address* is located; and

(ii) the *Distributor* must use its reasonable endeavours to provide the changed details to the *Retailer* who is the *FRO* for the *distribution supply point* for that *discovery address*,

as soon as practicable after becoming aware of the change.

3.3.2 Complete MIRN Listing

(a) Each *Distributor* must use its reasonable endeavours to update, format and deliver a new *complete MIRN listing* in accordance with the *Gas Interface Protocol* which is to be made available to *AEMO* by 5.00 pm on the fifth *business day* after the end of the month or as otherwise agreed from time to time by all relevant parties.

(a1) *AEMO* must make each *complete MIRN listing* available to all *Retailers* after it is received from the *Distributor.*

(b) The *Retailer* must ensure that the *complete MIRN listing* is accessed and used solely to confirm the relevant *discovery address/MIRN* details of the *subject Customer*.

(c) The *Retailer* must ensure that the *subject Customer* has provided *explicit informed consent* to access and use the *complete MIRN listing* to confirm the relevant *discovery address*/*MIRN* details of the *subject Customer* in relation to the *distribution supply point.*

3.3.3 Distributor Response

(a) Provided that the *discovery address* or the *MIRN* (if any) specified in the *MIRN discovery request* exactly replicates (in the sense that term is used in clause 3.3.1(b)) a *discovery address*, or corresponds with a *MIRN*, contained in the *MIRN database* of the relevant *Distributor,* the *Distributor* must use its reasonable endeavours to provide to the *Retailer* or *AEMO* (as the case may be), within the time periods set out below, the following information in respect of the

distribution supply point to which that *discovery address* or *MIRN* relates (such information being identified by reference to that *discovery address* or *MIRN*):

(i) by midnight on the first *business day* following the day on which the *MIRN discovery request* is delivered to the *Distributor:*

(A) the current information set out in clauses 3.1.1(a) to (k); and

(B) either:

(1) the current information set out in clauses 3.1.1(l) and (m); or

(2) a statement as to whether or not there are any charges of the kind referred to in clauses 3.1.1(l) and (m); and

(ii) by midnight on the second *business day* following the day on which the *MIRN discovery request* is delivered to the *Distributor*, the current information set out in clauses 3.1.1(l) and (m) where that information has not already been provided pursuant to clause 3.3.3(a)(i)(B)(1).

(b) Provided that the *discovery address* specified in the *MIRN discovery request* exactly replicates (in the sense that term is used in clause 3.3.1(b)) a *discovery address*, of multiple *MIRNs* contained in the *MIRN database* of the relevant *Distributor*, the *Distributor* must use its reasonable endeavours to provide to the *Retailer* or *AEMO* (as the case may be), by midnight on the first *business day* following the day on which the *MIRN discovery request* is delivered to the *Distributor*, the current information set out in clauses 3.1.1(a)(b) and (c) in respect of up to the first 99 *distribution supply points* to which that *discovery address* relates (such information being identified by reference to that *discovery address*). If there are 100 or more *MIRNs* contained in the *MIRN database* of the relevant *Distributor* with a matching *discovery address*, then the *Distributor* must also advise the *Retailer* or *AEMO* (as the case may be) of this fact.

(c) On delivery of the information referred to in clause 3.3.3(b) by the *Retailer* or *AEMO* to the *Distributor*, the provisions of this clause 3.3.3 apply to the *Distributor* as if the *MIRN discovery request* had been delivered to the *Distributor* at that time and had contained that information.

(d) If the *discovery address* or the *MIRN* (if any) specified in a *MIRN discovery request* does not exactly replicate (in the sense that term is used in clause 3.3.1(b)) a *discovery address*, or correspond with a *MIRN*, contained in the *MIRN database* of the relevant *Distributor*, the *Distributor* must use its reasonable endeavours to notify the *Retailer* or *AEMO* (as the case may be) of that fact by midnight on the first *business day* following the day on which the *MIRN discovery request* is delivered to the *Distributor*.

3.4 Assistance in searching

(a) If, pursuant to clause 3.3.3(d), a *Retailer* or *AEMO* is notified that the *discovery address* or *MIRN* relating to the *distribution supply point* in respect of which a *MIRN discovery request* has been made cannot be found in the *MIRN database* of the relevant *Distributor*, the *Retailer* or *AEMO* (as the case may be) may request that the *Distributor* assist in the location of that *discovery address* or *MIRN* in that *MIRN database*, in which case the *Distributor* must use its reasonable endeavours to provide that assistance:

(i) where the request for assistance is made before midday on a day that is a *business day* – by 5.00 pm on that *business day*; and

(ii) where the request for assistance is made on or after midday on a day that is a *business day,* or is made on a day that is not a *business day* – by 5.00 pm on the first *business day* following the day on which the request is made.

(b) For the avoidance of doubt, clause 3.4(a) only requires the *Distributor* to use its reasonable endeavours to assist the *Retailer* or *AEMO* to obtain the *discovery address* or *MIRN* relating to the relevant *distribution supply point*, for the purposes of enabling the *Retailer* or *AEMO* to make a further *MIRN discovery request* in relation to that *distribution supply point*.

3.5 MIRN allocation

3.5.1 Allocation to distribution supply points

(a) *AEMO* must allocate to each *Distributor* a set of numbers which are available for use as *MIRNs* for *distribution supply points* which are located in the *distribution region* of that *Distributor*.

(b) *AEMO* may from time to time allocate a further set of numbers to a *Distributor* for the purpose set out in clause 3.5.1(a).

(c) Each number allocated by *AEMO* pursuant to clauses 3.5.1(a) or (b) must be unique and must not be allocated by *AEMO* to any other *Distributor.*

(d) Each *Distributor* must assign a number, selected from the numbers allocated to it by *AEMO* pursuant to clauses 3.5.1(a) and (b), to each *distribution supply point* which is located in the *distribution region* of that *Distributor.* The assignment referred to in this clause must be effected by the relevant *Distributor* recording that number in its *MIRN database* as the *MIRN* for the relevant *distribution supply point*.

(e) Each number assigned to a *distribution supply point* by a *Distributor* pursuant to clause 3.5.1(d) must be unique and must not be allocated by that *Distributor* to any other *distribution supply point*.

(f) To the extent it has been allocated sufficient numbers pursuant to clauses 3.5.1(a) and (b), each *Distributor* must:

(i) assign one of those numbers, pursuant to clauses 3.5.1(d) and (e), to each *distribution supply point* that comes into existence after the *changeover date*; and

(ii) by midnight on the first *business day* after the day on which that *distribution supply point* comes into existence, notify the *prospective FRO* for that *distribution supply point* of the *MIRN* for that *distribution supply point*.

CHAPTER 4 CUSTOMER TRANSFER PROCESSES

4.1 Initiation of transfer

4.1.1 Transfer Request

(a) Subject to this clause 4.1, a *prospective FRO* must deliver a *transfer request* to *AEMO* in relation to any *distribution supply point* that has an existing *metering installation* in place.

(ai) A *prospective FRO* is only required to deliver a *transfer request* where the *supply point* is currently assigned in the AEMO *metering register* to another *FRO*.

(aii) A *transfer request* must include the following information in respect of the *distribution supply point* to which that *transfer request* relates:

(i) the *MIRN*;

(ii) the *proposed transfer date* (see clause 4.1.2);

(iii) where the *proposed transfer date* is a *prospective transfer date*, a statement (if such is the case) that it is intended that the person will purchase *gas* that is delivered at that *distribution supply point* from the *Retailer* following the registration of that *Retailer* in the *AEMO meter register* as the *FRO* for that *distribution supply point* (a *Customer no-change statement*); and

(iv) where the *proposed transfer date* is a *retrospective transfer date*, the proposed *registration end date* (if any).

(b) A *transfer request* must also contain the name of the *User* who delivered the *transfer request* to *AEMO*.

(c) A *User* must not deliver a *transfer request* in relation to a *distribution supply point* to *AEMO* where that *User* is suspended from participating in the market pursuant to the *Gas Supply Act*.

(d) A *User* must not deliver a *transfer request* in relation to a *distribution supply point* to *AEMO* where the *proposed transfer date* is a *retrospective transfer date* and the *meter* is an *interval meter* or energy consumption is greater than the *basic meter limit*.

(e) A *Self contracting user* may request *AEMO* to:

(i) lodge a *transfer request* on its behalf in order for the *Self contracting user* to transfer to itself; and

(ii) accept notices that are required to be in aseXML format under these *Procedures* on behalf of the *Self contracting user* in relation to the *transfer request* referred to in sub-paragraph (i).

(f) Upon receiving a request under paragraph (e), *AEMO* must lodge a *transfer request* and accept notices in aseXML format on behalf of a *Self contracting user* on such terms and conditions as *AEMO* determines.

4.1.2 Proposed Transfer Date

(a) Where a *transfer request* nominates a *prospective transfer date* as the *proposed transfer date*, and the *supply point* to which the *transfer request* relates is a

distribution supply point, the *prospective transfer date* must be a day which falls during the *permitted prospective period* for that *transfer request*.

(aa) A *Retailer* may lodge a *transfer request* for a *prospective transfer date* where the cooling-off period is yet to expire, provided that the *transfer request* will only complete after the cooling off period has expired.

(b) Where a *transfer request* nominates a *retrospective transfer date* as the *proposed transfer date*, and the *supply point* to which the *transfer request* relates is a *distribution supply point*, the *retrospective transfer date* must be a day (which may be a day other than a *business day*), which falls within the *permitted retrospective period* for that *transfer request* and to which a *validated meter reading* (other than an *estimated meter reading*) pertains.

4.1.3 Retrospective Transfers

A *User* must not deliver a *transfer request* in relation to a *distribution supply point* to *AEMO* where the *proposed transfer date* in relation to that *transfer request* is a *retrospective transfer date* unless:

(a) that *User*:

(i) is a *User* as at the day on which the *transfer request* is delivered to *AEMO*; and

(ii) was a *User* at all such times during the *permitted retrospective period* for the *transfer request* when, if that person were to be registered in the *AEMO meter register* as the *FRO* for the *distribution supply point* with effect from the *retrospective transfer date* to the *registration end date* (if any), it would have been the *FRO* for that *distribution supply point*;

(b) the *retrospectively affected FRO* in relation to that *transfer request* is a *User* as at the day on which the *transfer request* is delivered to *AEMO;* and

(c) the *distribution supply point* is a *basic meter*.

4.1.4 Explicit Informed Consent

(a) A *Retailer* must not deliver a *transfer request* in relation to a *distribution supply point* to *AEMO* which nominates a *prospective transfer date* as the *proposed transfer date* unless the *Retailer* has received the *explicit informed consent* of the subject *Customer* to the registration of that *Retailer* in the *AEMO* meter register as the *FRO* for that *distribution supply point* with effect from any time during the *permitted prospective period* in relation to the *transfer request*.

(b) A *Retailer* who delivers a *transfer request* in relation to a *distribution supply point* to *AEMO* which nominates a *prospective transfer date* as the *proposed transfer date* is taken to have represented to *AEMO* that the *Retailer* has received the *explicit informed consent* of the subject *Customer* to the registration of that *Retailer* in the *AEMO meter register* as the *FRO* for that *distribution supply point* with effect from any time during the *permitted prospective period* in relation to the *transfer request*.

(c) A *Retailer* must not deliver a *transfer request* in relation to a *distribution supply point* to *AEMO* which nominates a *retrospective transfer date* as the *proposed transfer date* unless the *Retailer* has received the *explicit informed consent* of the subject *Customer* to the registration of that *Retailer* in the *AEMO meter register* as the *FRO* for that *distribution supply point* with effect from any time during the *permitted retrospective period* in relation to the *transfer request*.

(d) A *Retailer* who delivers a *transfer request* in relation to a *distribution supply point* to *AEMO* which nominates a *retrospective transfer date* as the *proposed transfer date* is taken to have represented to *AEMO* that the *Retailer* has received the *explicit informed consent* of the subject *Customer* to the registration of that *Retailer* in the *AEMO meter register* as the *FRO* for that *distribution supply point* with effect from any time during the *permitted retrospective period* in relation to the *transfer request*.

4.1.5 Notification of Existing Transfer Request

Where:

(a) a *User* delivers a *transfer request* in relation to a *distribution supply point* to *AEMO*;

(b) a *transfer request* in relation to that *distribution supply point* has already been delivered to *AEMO* (whether by that or any other *User*); and

(c) the *transfer request* referred to in clause 4.1.5(b) (the *existing transfer request*) is being processed by *AEMO* but the *User* who delivered the *existing transfer request* to *AEMO* has not yet been registered in the *AEMO meter register* as the *FRO* for the *distribution supply point* to which the *existing transfer request* relates,

then *AEMO* must not process the *transfer request* referred to in clause 4.1.5(a) and must, by midnight on the first *business day* following the day on which that *transfer request* was delivered to *AEMO*, deliver a notice stating this fact to the *User* who delivered that *transfer request*.

4.2 Notification of transfer

4.2.1 Notification by AEMO

Provided that clauses 4.1.1 to 4.1.3 and 4.1.5 have been complied with in relation to the *transfer request*, *AEMO* must, by midnight on the first *business day* following the day on which the *transfer request* was delivered to it, deliver notice of the *transfer request* (a *transfer request notification*) to:

(a) where the *proposed transfer date* nominated in the *transfer request* is a *prospective transfer date*, the *FRO* for the *distribution supply point* to which the *transfer request* relates;

(b) where the *proposed transfer date* nominated in the *transfer request* is a *retrospective transfer date*, the *retrospectively affected FRO* in relation to the *transfer request*; and

(c) the *Distributor* in whose *distribution region* that *distribution supply point* is located.

4.2.2 Transfer Request Notification Information

A *transfer request notification* in relation to a *transfer request* must include the following information:

(a) the *MIRN* for the *distribution supply point* to which the *transfer request* relates;

(b) the *proposed transfer date* nominated in the *transfer request*;

(c) whether the *transfer request* contains a *Customer no-change statement*;

(d) where the *proposed transfer date* nominated in the *transfer request* is a *retrospective transfer date* the proposed *registration end date* (if any);

(e) in the case of a *transfer request notification* delivered to the *Distributor* for a *distribution supply point*, the name of the *User* who delivered the *transfer request* to *AEMO*.

4.3 Objections to Transfer

4.3.1 Objection Notice

(a) Where:

(i) the *proposed transfer date* nominated in a *transfer request* is a *prospective transfer date* and *AEMO*, pursuant to clause 4.2.1(a), delivers a *transfer request notification* in relation to that *transfer request* to the *FRO* for the *distribution supply point* to which the *transfer request* relates; or

(ii) the *proposed transfer date* nominated in a *transfer request* is a *retrospective transfer date* and *AEMO*, pursuant to clause 4.2.1(b), delivers a *transfer request notification* in relation to that *transfer request* to the *retrospectively affected FRO* in relation to that *transfer request*,

the *FRO* or the *retrospectively affected FRO* (as the case may be) may deliver to *AEMO* a notice objecting to the *transfer request* (an *objection notice*) at any time before (but not after) midnight on the fifth *business day* after the day on which *AEMO* delivered the *transfer request notification* to the *FRO* or the *retrospectively affected FRO* (as the case may be).

(b) An *objection notice* in relation to a *transfer request* must include the following information:

(i) the *MIRN* for the *distribution supply point* to which the *transfer request* relates; and

(ii) the name of the *FRO* or the *retrospectively affected FRO* (as the case may be) who delivered the *objection notice* to *AEMO*.

(c) If the *proposed transfer date* nominated in a *transfer request* is a *prospective transfer date*, a *FRO* may only deliver an *objection notice* in relation to that *transfer request* to *AEMO* where:

(i) the *transfer request* contains a *Customer no-change statement*; and

(ii) at the time the *objection notice* is delivered to *AEMO*, and *aged debt* is owing to that *FRO* by the *Customer* who is then purchasing *gas* at the *supply point* to which the *transfer request* relates (and that *Customer* is not a *small customer*).

4.3.2 Withdrawal of Objection Notice

(a) A *FRO* or a *retrospectively affected FRO* who delivers an *objection notice* in relation to a *transfer request* to *AEMO* may withdraw that *objection notice* by delivering to *AEMO* a notice of withdrawal (an *objection withdrawal notice*) at any time before midnight on the 20th *business day* after the day on which the *FRO* or the *retrospectively affected FRO* delivered that *objection notice* to *AEMO*.

(b) If the *proposed transfer date* nominated in a *transfer request* is a *retrospective transfer date*, a *retrospectively affected FRO* who delivers an *objection notice* in relation to that *transfer request* to *AEMO* must withdraw that *objection notice* before midnight on the first *business day* after the day (if any) on which the *retrospectively affected FRO* agrees with the *User* who delivered the *transfer request* to *AEMO* to withdraw that *objection notice*.

(c) If the *proposed transfer date* nominated in a *transfer request* is a *prospective transfer date*, a *FRO* who delivers an *objection notice* in relation to that *transfer request* to *AEMO* must withdraw that *objection notice* where the *aged debt* referred to in clause 4.3.1(c)(ii) is discharged in full, or assigned to another person with the consent of the *FRO*, before midnight on the 19th *business day* after the day on which the *FRO* delivered the *objection notice* to *AEMO*, such withdrawal being effected by the *FRO* delivering to *AEMO* an *objection withdrawal notice* before midnight on the first *business day* after that *aged debt* has been paid in full.

(d) An *objection withdrawal notice* in relation to a *transfer request* must include the *MIRN* for the *distribution supply point* to which the *transfer request* relates.

4.3.3 Notification by AEMO

(a) *AEMO* must, by midnight on the first *business day* after the day on which an *objection notice*, or an *objection withdrawal notice*, in relation to a *transfer request* is delivered to it, deliver a notification of that *objection notice* or *objection withdrawal notice*, as the case may be, to:

(i) the *User* who delivered the *transfer request* to *AEMO*; and

(ii) the *Distributor* in whose *distribution region* that *distribution supply point* is located.

(b) A notification by *AEMO* under paragraph (a) must include the following information:

(i) the *MIRN* for the *distribution supply point* to which the *transfer request* relates; and

(ii) the name of the *FRO* or *retrospectively affected FRO* (as the case may be) who delivered the *objection notice* to *AEMO*.

4.3.4 Termination of Transfer Process

If:

(a) an *objection notice* in relation to a *transfer request* has been delivered to *AEMO* by:

(i) a *FRO* pursuant to clause 4.3.1 (where the *proposed transfer date* in relation to the *transfer request* is a *prospective transfer date*); or

(ii) a *retrospectively affected FRO* pursuant to clauses 4.3.1(a) and (b) (where the *proposed transfer date* in relation to the *transfer request* is a *retrospective transfer date*); and

(b) by midnight on the 20th *business day* after the day on which that *objection notice* was delivered to *AEMO,* that *FRO* or *retrospectively affected FRO* (as the case may be) has not delivered to *AEMO* an *objection withdrawal notice* in relation to that *transfer request* pursuant to clause 4.3.2,

then *AEMO* must:

(c) cease processing that *transfer request*; and

(d) by midnight on the 21st *business day* after the day on which that *objection notice* was delivered to *AEMO,* deliver a notice that *AEMO* will not further process that *transfer request* to:

(i) the *User* who delivered the *transfer request* to *AEMO*;

(ii) where the *proposed transfer date* nominated in the *transfer request* is a *prospective transfer date*, the *FRO* for the *distribution supply point* to which the *transfer request* relates;

(iii) where the *proposed transfer date* nominated in the *transfer request* is a *retrospective transfer date*, the *retrospectively affected FRO* in relation to the *transfer request*;

(iv) the *Distributor* in whose *distribution region* that *distribution supply point* is located.

4.4 Potential Problems with Transfer

4.4.1 Notification of potential problems

(a) Any person who has received a *transfer request notification* in relation to a *transfer request* pursuant to clause 4.2 may deliver to *AEMO*, at any time before that *User* is registered by *AEMO* in the *AEMO meter register* as the *FRO* for the *distribution supply point* to which that *transfer request* relates, a notice describing a potential problem in respect of that *transfer request*.

(b) A notice delivered by a person pursuant to clause 4.4.1(a) does not constitute an *objection notice* for the purposes of clause 4.3.1.

4.4.2 Notification by AEMO

AEMO must, by midnight on the first *business day* after the day on which a notice described in clause 4.4.1 is delivered to it, forward that notice to the *User* who delivered to *AEMO* the *transfer request* to which that notice relates.

4.5 Withdrawal of transfer request

4.5.1 Transfer Withdrawal Notice

(a) A *User* who delivers a *transfer request* to *AEMO*:

(i) may deliver a notice withdrawing that *transfer request* (a *transfer withdrawal notice*) to *AEMO* at any time before (but not after) the registration of that *User* in *AEMO meter register* as the *FRO* for the *supply point* to which the *transfer request* relates; and

(ii) must immediately withdraw that *transfer request* where it ceases to be a *User* at any time before the registration of that *User* in the *AEMO meter register* as the *FRO* for the *distribution supply point* to which the *transfer request* relates, such withdrawal being effected by that person immediately delivering a *transfer withdrawal notice* to *AEMO*.

(b) A *transfer withdrawal notice* in relation to a *transfer request* must include the *MIRN* for the *distribution supply point* to which the *transfer request* relates.

4.5.2 Termination of Transfer Process

AEMO must cease processing a *transfer request* if the *User* who delivered that *transfer request* delivers to *AEMO,* pursuant to clause 4.5.1, a *transfer withdrawal notice* in relation to that *transfer request*.

4.5.3 Notification by AEMO

AEMO must, by midnight on the first *business day* after the day on which a *transfer withdrawal notice* in relation to a *transfer request* is delivered to it, deliver notice of the

withdrawal of the *transfer request*, together with a notice that *AEMO* will not further process that *transfer request,* to:

(a) where the *proposed transfer date* nominated in the *transfer request* is a *prospective transfer date*, the *FRO* for the *distribution supply point* to which the *transfer request* relates;

(b) where the *proposed transfer date* nominated in the *transfer request* is a *retrospective transfer date*, the *retrospectively affected FRO* in relation to the *transfer request*; and

(c) the *Distributor* in whose *distribution region* that *distribution supply point* is located.

4.5A Ineligible Transfers

4.5A.1 Prohibited Transfer Request

A *User* must use reasonable endeavours not to submit a *transfer request* relating to a *supply point* unless it holds all necessary rights to supply gas to that *distribution supply point.*

4.5A.2 Withdrawal of Prohibited Transfer Requests

A *User* who submits a *transfer request* that is prohibited by clause 4.5A.1 must withdraw the *transfer request* as soon as practicable.

4.5A.3 Register of Authorised Supply Points

(a) *AEMO* must maintain a register of *network sections* that each *User* is entitled to supply gas to *distribution supply points* within that *network section.*

(b) *Users* must advise *AEMO* of *network sections* where they hold all necessary rights to supply gas.

(c) *AEMO* may request a service provider to confirm that information provided under clause 4.5A.3(b) is correct.

4.5A.4 Termination of Transfer Process

AEMO must cease processing a *transfer request* if it related to a *distribution supply point* that is not included in the register, maintained under clause 4.5A.3, as a *distribution supply point* that the *User* is entitled to supply gas to.

4.6 Registration of prospective transfer

4.6.1 Registration

Where:

(a) a *User* has delivered to *AEMO* a *transfer request* in relation to a *distribution supply point* which complies with clause 4.1.1;

(b) the *proposed transfer date* nominated in the *transfer request* is a *prospective transfer date* which complies with clause 4.1.2(a);

(c) the *FRO* for the *distribution supply point* to which the *transfer request* relates:

(i) has not delivered to *AEMO*, by midnight on the fifth *business day* after the day on which *AEMO* delivered to it the *transfer request notification* in relation to the *transfer request*, an *objection notice* in relation to the *transfer request* pursuant to clause 4.3.1; or

(ii) has delivered such an *objection notice* but has subsequently delivered to *AEMO* an *objection withdrawal notice* in relation to the *transfer request* pursuant to clause 4.3.2; and

(d) the following information has been delivered to *AEMO*, prior to the expiration of the *data provision period*, by the *Distributor* in whose *distribution region* the *distribution supply point* is located:

(i) the day to which a *validated meter reading* (other than an *estimated meter reading*) referred to in clause 2.2.3(b) pertains, such day being within the *allowable period*, and closest to, or on the *proposed transfer date*; and

(ii) the information referred to in clause 2.6.2(b) in relation to that *validated meter reading* (which *validated meter reading* is the *reference reading* for the purposes of clause 2.6.2),

then, unless the *User* who delivered the *transfer request* to *AEMO*:

(e) is no longer a *User*; or

(f) has delivered to *AEMO* a *transfer withdrawal notice* in relation to the *transfer request* pursuant to clause 4.5.1,

AEMO must, as soon as is practicable, register that *User* in the *AEMO meter register* as the *FRO* for the *distribution supply point* to which that *transfer request* relates.

4.6.2 Read Failure

(a) If:

(i) the conditions described in clause 4.6.1(a) to (c) have been satisfied in respect of a *transfer request*; but

(ii) by the expiration of the *data provision period*, *AEMO* has not been notified, in accordance with clause 4.6.1(d), of the information specified in that clause,

then *AEMO* must, by midnight on the first *business day* after the expiration of the *data provision period*, deliver a notice stating this fact (a *read failure notice*) to:

(iii) the *User* who delivered the *transfer request* to *AEMO*;

(iv) the *FRO* for the *distribution supply point* to which the *transfer request* relates; and

(v) the *Distributor* in whose *distribution region* that *distribution supply point* is located.

(b) A *read failure notice* in relation to a *transfer request* must include the following information:

(i) the *MIRN* for the *distribution supply point* to which the *transfer request* relates; and

(ii) the information that has not been provided or obtained as required pursuant to clause 4.6.1(d).

4.6.3 Alternative Transfer Date

(a) Where *AEMO* delivers a *read failure notice* under clause 4.6.2 to the *User* who delivered to *AEMO* the *transfer request* to which the *read failure notice* relates, that *User* may deliver to *AEMO,* at any time before (but not after) midnight on the tenth *business day* after the day on which *AEMO* delivered the *read failure notice* to that *User* a notice (an *alternative transfer date notice*) which nominates a new

prospective transfer date in relation to that *transfer request*, such *prospective transfer date* being a day:

(i) which is on or after the *prospective transfer date* nominated in the *transfer request*; and

(ii) which falls during the *permitted prospective period* in relation to the *transfer request*.

(b) An *alternative transfer date notice* in relation to a *transfer request* must include the following information:

(i) the *MIRN* for the *distribution supply point* to which the *transfer request* relates; and

(ii) the proposed new *prospective transfer date* in relation to the *transfer request*.

(c) If the *User* referred to in clause 4.6.3(a) delivers an *alternative transfer date notice* to *AEMO* pursuant to that clause, then *AEMO* must, by midnight on the first *business day* after the day on which the *User* delivered the *alternative transfer notice* to *AEMO,* deliver notice of the *alternative transfer date notice* (an *alternative transfer date notification*) to:

(i) the *FRO* for the *distribution supply point* to which the relevant *transfer request* relates; and

(ii) the *Distributor* in whose *distribution region* that *distribution supply point* is located.

(d) An alternative transfer date notification in relation to an *alternative transfer date notice* must include the following information:

(i) the *MIRN* for the *distribution supply point* to which the relevant *transfer request* relates; and

(ii) the proposed new *prospective transfer date* in relation to the *transfer request*.

(e) Where a *User* delivers to *AEMO* an *alternative transfer date notice* in relation to a *transfer request* pursuant to clauses 4.6.3(a) and 4.6.3(b), the provisions of this clause 4.6 and of clause 2.2.3(b) will apply as if the *proposed transfer date* specified in the *transfer request* to which the *alternative transfer date notice* relates was the *prospective transfer date* which is nominated in the *alternative transfer date notice*.

4.6.4 Termination of Transfer Process

If:

(a) pursuant to clause 4.6.2, *AEMO* has delivered a *read failure notice* in relation to a *transfer request* to the *User* who delivered that *transfer request* to *AEMO*; and

(b) that *User* does not deliver an *alternative transfer date notice* to *AEMO* pursuant to clause 4.6.3,

then *AEMO* must cease processing the relevant *transfer request* and must, by midnight on the 11th *business day* after the day on which *AEMO* delivered the *read failure notice* to that *User*, deliver a notice to:

(c) that *User*;

(d) the *FRO* for the *distribution supply point* to which the *transfer request* relates; and

(e) the *Distributor* in whose *distribution region* that *distribution supply point* is located,

which states that *AEMO* will not further process that *transfer request*.

4.6.5 Registration Date

(a) Where, pursuant to clause 4.6.1, *AEMO* registers a *User* in the *AEMO meter register* as the *FRO* for a *distribution supply point*, that registration will be deemed to take effect:

(i) where the *meter* that relates to that *distribution supply point* is a *basic meter*, at the start of the *gas day* beginning on the day to which the *validated meter reading* pertains as described in clause 4.6.1(d)*; or

(ii) where the meter that relates to that *distribution supply point* is an *interval meter*, at the start of the *gas day* beginning on the *prospective transfer date*.

(b) *AEMO* must record both the date on which such registration takes place and the date on which such registration is deemed to take effect in the *AEMO meter register*.

4.7 Registration of retrospective transfer

4.7.1 Registration Requirements

Where:

(a) a *User* has delivered to *AEMO* a *transfer request* in relation to a *distribution supply point* which complies with clause 4.1.1;

(b) the *proposed transfer date* nominated in that *transfer request* is a *retrospective transfer date* which complies with clause 4.1.2(b);

(c) clause 4.1.3 has been complied with in relation to the *transfer request*; and

(d) the *retrospectively affected FRO* in relation to that *transfer request*:

(i) has not delivered to *AEMO*, by midnight on the fifth *business day* after the day on which *AEMO* delivered to it the *transfer request notification* in relation to the *transfer request*, an *objection notice* in relation to the *transfer request* pursuant to clauses 4.3.1(a) and (b); or

(ii) has delivered such an *objection notice* but has subsequently delivered to *AEMO* an *objection withdrawal notice* in relation to the *transfer request* pursuant to clause 4.3.2,

then, unless the *User* who delivered the *transfer request* to *AEMO* has also delivered to *AEMO* a *transfer withdrawal notice* in relation to the *transfer request* pursuant to clause 4.5.1, *AEMO* must as soon as is practicable, register the *User* who delivered the *transfer request* in the *AEMO meter register* as the *FRO* for the *distribution supply point* to which that *transfer request* relates with effect from the *retrospective transfer date* to the *registration end date* (if any).

* Because the meter must be read on a day, or the substituted meter reading must pertain to a date, that is within the allowable period in relation to the proposed transfer date, it is possible for the new FRO for the supply point to be registered in the AEMO meter register with effect from a day prior to the day on which the transfer request is delivered to AEMO (ie. where the proposed transfer date is less than four business days after the day on which the transfer request was delivered to AEMO).

4.7.2 Registration Date

(a) Where, pursuant to clause 4.7.1, *AEMO* registers the *User* who delivered the *transfer request* in the *AEMO meter register* as the *FRO* for a *distribution supply point*, that registration will be deemed to take effect at the start of the *gas day* beginning on the *retrospective transfer date* and will be deemed to cease to have effect at the start of the *gas day* beginning on the day after the *registration end date* (if any).

(b) *AEMO* must record the date on which such registration takes place, the date on which such registration is deemed to take effect and the period of registration in the *AEMO meter register.*

4.7.3 Termination of Retrospective Transfer

Where a notice has been delivered to *AEMO* by the *Distributor* in whose *distribution region* that *distribution supply point* is located, stating that the *proposed transfer date* nominated in the *transfer request* is invalid, then *AEMO* must:

(a) cease processing that *transfer request*; and

(b) upon cessation of processing the *transfer request*, by midnight on the next *business day*, deliver a notice that the *transfer request* has been terminated, to:

(i) the *User* who delivered the *transfer request* to *AEMO*;

(ii) the *retrospectively affected FRO* in relation to the *transfer request*; and

(iii) the *Distributor* in whose *distribution region* that *distribution supply point* is located.

4.8 Registration notification

4.8.1 Notification by AEMO

Where, pursuant to clauses 4.6.1 or 4.7.1 (as the case may be), *AEMO* registers a *User* in the *AEMO meter register* as the *FRO* for a *distribution supply point*, *AEMO* must, by midnight on the first *business day* after it registers that *User* in the *AEMO meter register* as the *FRO* for that *distribution supply point*, deliver notice of that registration, together with the date from which that registration is deemed to take effect (*registration notice*) to:

(a) that *User*;

(b) where the *proposed transfer date* nominated in the *transfer request* is a *prospective transfer date*, the person who was the *FRO* for that *distribution supply point* immediately prior to the registration of that *User* as the *FRO* for that *distribution supply point*;

(c) where the *proposed transfer date* nominated in the *transfer request* is a *retrospective transfer date*, the *retrospectively affected FRO* in relation to the *transfer request*; and

(d) the *Distributor* in whose *distribution region* that *distribution supply point* is located.

4.8.2 Registration Notice Information

A *registration notice* in relation to a *transfer request* must include the following information:

(a) In the notice to the *Distributor* and the *FRO* for that *distribution supply point* immediately prior to the registration;

(i) *MIRN* for the *distribution supply point* to which the *transfer request* relates;

(ii) the *User* who delivered the *transfer request* to AEMO;

(b) In the notice to the *User* who delivered the *transfer request* to AEMO for that *distribution supply point*;

(i) *MIRN* for the *distribution supply point* to which the *transfer request* relates;

(ii) the *FRO* for that *distribution supply point* immediately prior to the registration.

CHAPTER 5 INTERVAL METERS PROCESSES

5.1 Application

(a) The provisions of this chapter relate to *interval meters* only.

(b) For the purposes of this chapter, unless stated otherwise, *interval meters* include those that are at *distribution supply points* and those that are at *custody transfer points.*

5.2 Installation of Interval meters

5.2.1 Obligation to install interval meters

(a) Each *Distributor* must install an *interval meter* at each *distribution supply point* in their *distribution region* that is a *basic meter* where:

(i) a *User* is planning to lodge a *transfer request* in respect of a *distribution supply point* that is a *basic meter* with an energy consumption greater than the *basic meter limit* and has requested that the meter is upgraded to an *interval meter*; or

(ii) the projected energy consumption at a new *distribution supply point* would exceed the *projected basic meter limit;* or

(iii) the *FRO* of the *distribution supply point* has requested the installation of an *interval meter* at their expense.

(b) [Deleted]

(c) Commencing on 1 July 2009, and at least every twelve months thereafter each *Distributor* must identify *distribution supply points* in their *distribution region* that are *basic meters* and with energy consumption greater than the *basic meter limit* as at that date, and procure that *interval meters* are installed in accordance with the timeframe set out in clause 2.9.3.

(d) Each *Distributor* must procure that an *interval meter* is installed at every *custody transfer point* that is connected to their *distribution region*, and that they are entitled to *read* that *interval meter*.

5.2.2 Obligation to maintain interval meters

(a) Each *Distributor* must maintain each *interval meter* that is a *distribution supply point* in their *distribution region* in accordance with their *meter measurement scheme*.

(b) Each *Distributor* must procure that each *interval meter* installed at every *custody transfer point* that is connected to their *distribution region* is maintained in accordance with the relevant *meter measurement scheme*.

(c) The *Distributor* must as soon as is practicable notify *AEMO* and the *FRO* of any irregularity concerning the operation of an *interval meter* that has affected or has the potential to affect the integrity of the metering data.

5.2.3 Obligation to notify AEMO

(a) *AEMO* must maintain a procedure under which notifications regarding *interval meters* are made.

(b) Each *Distributor* must notify *AEMO* within the timeframes set out in the procedure under clause 5.2.3(a) of:

(i) all new *interval meters* that are installed;

(ii) all parameter changes to existing *interval meters*;

(iii) all *interval meters* that are *de-energised* or *re-energised*; and

(iv) all *interval meters* that are downgraded to *basic meters*[1].

5.3 Interval Meter Database

5.3.1 Creation, Maintenance and Administration

(a) Each *Distributor* must create, maintain and administer a database in relation to all *interval meters* that are *distribution supply points* and are located in the *distribution region* of that *Distributor* or are *custody transfer points* that are connected to their *distribution region*. Such database to include the following information in respect of each such *interval meter*:

(i) the *MIRN*;

(ii) the *meter* number;

(iii) each *actual meter reading* made during the *data retention period*, and the *gas day* to which that *reading* pertains;

(iv) each *estimated meter reading* made during the *data retention period*, the *gas day* to which that *estimated meter reading* pertains and details of the *approved estimation methodology* applied to obtain that *estimated meter reading* (each *estimated meter reading* must be identified as such);

(v) each *substituted meter reading* made during the *data retention period*, the *gas day* to which that *substituted meter reading* pertains and details of the *approved substitution methodology* applied to obtain that *substituted meter reading* (each *substituted meter reading* must be identified as such);

(vi) in respect of each *meter reading* included in the *meter data database*:

(A) the *flow* during the *gas day;*

(B) the *heating value* for that *gas day;*

(C) the *pressure correction factor* to be applied in respect of that *flow*; and

(D) the *consumed energy* during that *gas day*.

(b) The obligations set out in clauses 5.3.1(a)(iii), (iv), (v) and (vi) relate to *validated meter readings.* A *Distributor* may, but is not required to, include in the *meter data database meter readings* that are not *validated meter readings* (each non-*validated meter reading* must be identified as such).

5.3.2 Updating of Interval Meter Data Database

Each *Distributor* must use its reasonable endeavours to ensure that the information required to be included in its *meter data database* is included in that *meter data database* by 5.00 pm on the first *business day* following the day on which that information is obtained or calculated by the *Distributor*.

[1] For the avoidance of doubt, an interval meter that is a distribution supply point must be downgraded to a basic meter before being deregistered.

5.4 Meter Reading and Calculation of Energy for Interval Meters

5.4.1 Interval Meters to be read daily

Each *Distributor* must use reasonable endeavours to read each *interval meter* that is a *distribution supply point* in their *distribution region* and each *interval meter* that is a *custody transfer point* that is connected to their *distribution region* every day.

5.4.2 Validation, Estimation and Substitution of Interval Meters

(a) Each *Distributor* must ensure that each *interval meter reading* is validated according to their *meter measurement scheme* before the *interval meter reading*, or information calculated on the basis of the *interval meter reading*, is provided to *AEMO*.

(b) If an *estimated meter reading* is required in respect of an *interval meter,* each *Distributor* must ensure that it is determined according to Attachment 2 of this *Procedure*.

(c) If a *substituted meter reading* is required in respect of an *interval meter,* each *Distributor* must ensure that it is determined according to Attachment 3 of this *Procedure*.

(d) [Deleted]

5.4.3 Changes to estimates or substitutes

(a) The *User* who is the *FRO* for a *distribution supply point* to which an *interval meter* relates may, at any time, request a *Distributor* who has undertaken an *estimated meter reading* or a *substituted meter reading* in relation to that *interval meter* for the purposes of these *Procedures* to change that estimate or substitution. The *Distributor* may change that estimate or substitution if it reasonably considers the revised estimate or substitution to be more accurate.

(b) If a *Distributor* changes an *estimated meter reading* or a *substituted meter reading*, then the *Distributor* must use its reasonable endeavours:

(i) to recalculate any *flow* and *consumed energy* calculated using the previous *estimated meter reading* or *substituted meter reading*;

(ii) to include the new *estimated meter reading* or *substituted meter reading*, *flow* and *consumed energy* in its *meter data database*;

(iii) to provide the new *consumed energy* to *AEMO* with the next relevant *extract* for *interval meters*.

5.4.4 Subsequent Actual Meter Reading

If a *Distributor* subsequently *reads* a *meter* in relation to which it has undertaken an *estimated meter reading* and the *actual meter reading* is a *validated meter reading* the *Distributor* must use its reasonable endeavours:

(a) to recalculate any *flow* and *consumed energy* calculated using the previous *estimated meter reading;*

(b) to include the *actual meter reading* and the new *flow* and *consumed energy* in its *meter data database*; and

(c) to provide the new *consumed energy* to *AEMO* with the next relevant *extract* for *interval meters*.

5.4.5 Calculation of Energy Data

Each *Distributor* must calculate the *consumed energy* for every *interval meter* that is a *distribution supply point* in their *distribution region* or a *custody transfer point* that is connected to their *distribution region* according to the following formula:

Consumed Energy (MJ) = corrected flow (m^3) x Heating Value (MJ/m^3).

5.5 Provision of Energy Data

5.5.1 Provision of energy data to AEMO

Each *Distributor* must use its reasonable endeavours to provide to *AEMO* in relation to each *interval meter* required by *AEMO* for any purpose contemplated by these *Procedures*:

(a) the *MIRN* for the *distribution supply point* or the *custody transfer point*;

(b) the *consumed energy*;

(c) the *gas day* to which the *consumed energy* pertains;

(d) the *extract type*;

(e) a unique identifier for that *extract*; and

(f) information as to whether the readings used to calculate the *flow* are *actual meter readings*, *estimated meter readings* or *substituted meter readings*,

by no later than:

(1) 3.5 hours after the beginning of the first *gas day* after the *gas day* to which the *consumed energy* pertains, as a *daily extract*; and

(1A) 5.00 pm on the fourth *settlement business day* after the end of each month and covering the *consumed energy* for all *gas days* in that month, as a *preliminary extract*; and

(2) 5.00 pm on the 15th *settlement business day* after the end of each month and covering the c*onsumed energy* for all *gas days* in that month, as a *final extract*; and

(3) 5.00 pm on the fifth *settlement business day* before the end of the ninth month after the relevant month and covering the c*onsumed energy* for all *gas days* in that month, as a *revision extract*; and

(4) as requested by *AEMO* and covering the *consumed energy* for all *gas days* in the requested month, as a *revision extract*.

5.5.1A Update extracts

Each *Distributor* must notify *AEMO*, by way of an *update extract*, of any change to the amount of *consumed energy* for a *gas day* where that amount has been provided to *AEMO* under clause 5.5.1, such notification to be provided as soon as practicable after the *Distributor*:

(a) identifies that the amount of *consumed energy* previously provided to *AEMO* is not correct; or

(b) receives a request from *AEMO* to provide an *update extract*.

5.5.2 Provision of energy data to User

AEMO must use its reasonable endeavours to publish for *Users* only the *consumed energy* for all *interval meters* that are *distribution supply points* and for which they are the *FRO* on the *market information bulletin board* by 3.00 pm on the *gas day* after the *gas day* to which the *consumed energy* pertains.[2]

5.6 Provision of information

5.6.1 Provision of information to User

(a) Subject to clause 5.6.1(b), a *Distributor* must use its reasonable endeavours to provide to the *FRO* for a *distribution supply point* that is located in the *distribution region* of the *Distributor* such information from its *meter data database* in respect of that *distribution supply point* and the *meter* relating to that *distribution supply point* as the *FRO* requests as follows:

(i) if the request pertains to a time that is not more than two years prior to the day on which the request is delivered to the *Distributor*, by 5.00 pm on the fifth *business day* following the day on which the request is delivered to the *Distributor*;

(ii) if the request pertains to a time that is between two and seven years prior to the day on which the request is delivered to the *Distributor*, by 5.00 pm on the tenth *business day* following the day on which the request is delivered to the *Distributor*; and

(iii) in either case, that information must be identified to the *FRO* by reference to the *MIRN* for the relevant *distribution supply point*.

(b) The *FRO* for a *distribution supply point* that is an *interval meter* may only request information from a *Distributor* pursuant to clause 5.6.1(a) that relates to a period during which that *FRO* was registered as the *FRO* for that *distribution supply point* in the *AEMO meter register*.

5.6.2 Provision of information to AEMO

(a) A *Distributor* must use its reasonable endeavours to provide to *AEMO* such information from its *meter data database* in respect of an *interval meter* that is a *distribution supply point* or a *custody transfer point* (being information referred to in clause 5.3.1(a)) as *AEMO* requests as follows:

(i) if the request pertains to a time that is not more than two years prior to the day on which the request is delivered to the *Distributor*, by 5.00 pm on the fifth *business day* following the day on which the request is delivered to the *Distributor*;

(ii) if the request pertains to a time that is between two and seven years prior to the day on which the request is delivered to the *Distributor*, by 5.00 pm on the tenth *business day* following the day on which the request is delivered to the *Distributor*; and

(iii) in either case, that information must be identified to *AEMO* by reference to the *MIRN* for the relevant *distribution supply point*.

[2] For the avoidance of doubt, this is only provisional daily metering data. The requirements for AEMO to provide consumption by Retailer as used for balancing are included in Chapter 6, Balancing.

(b) The *Distributor* does not have an obligation to provide information that it does not have access to or which it has not yet collected.

5.6.3 Purpose of providing information

The information to be provided under clauses 5.6.1 and 5.6.2 is to be solely for the purposes of restoring the *User's* or *AEMO's* databases.

5.7 Use of Energy Data by AEMO

AEMO must use the most recent *consumed energy* for every *interval meter* as provided by each *Distributor* in accordance with clause 5.5.1 or, if applicable, as updated in accordance with clause 5.5.1A, for *balancing* purposes and for the purpose of determining *STTM distribution system allocations*.

CHAPTER 6 BALANCING AND STTM DISTRIBUTION SYSTEM ALLOCATION PROCESSES

6.1 Application and Purpose

(a) The provisions of this chapter relate to:

(i) *balancing* for *non-STTM withdrawal zones* and *distribution regions*; and

(ii) the determination of *STTM distribution system allocations* for *STTM withdrawal zones* and *distribution regions*.

(b) The purpose of this chapter is to set out the process by which the *aggregated consumption* of *gas* by the *Customers* of each *User* is:

(i) balanced against the *aggregated injections* of *gas* into *non-STTM withdrawal zones* and *distribution regions* on behalf of the *User*; and

(ii) determined by *AEMO* as *STTM distribution system allocations* for *STTM withdrawal zones* and *distribution regions*.

(c) The total injections into each *withdrawal zone* and *distribution region* will be determined by reference to the *custody transfer points* connected to that *distribution region.*

(d) The *aggregated consumption* by all the *Customers* of each *User* will be determined with reference to the total injections into each *withdrawal zone* and *distribution region,* the aggregated *meter readings* of all *interval meters* and the aggregated, profiled *meter readings* of all *second tier supply points* in that *withdrawal zone* and *distribution region.*

(e) For *non-STTM withdrawal zones* and *distribution regions*, the *aggregated injections* of all *gas* on behalf of each *User* will be determined by reference to arrangements that do not form part of these *Procedures*, and will be provided by each *User* and validated in accordance with *AEMO's* validation procedure.

(f) For *non-STTM withdrawal zones* and *distribution regions*, the *imbalance* between the *aggregated consumption* and *aggregated injections* for each *User* will be determined for each *gas day,* aggregated for monthly *billing periods* to determine a *cumulative imbalance* to be cleared by adjusting upcoming aggregated *injections* accordingly.

6.2 Obligations

6.2.1 Obligations of Users

This clause 6.2.1 applies only in respect of *non-STTM withdrawal zones*.

(a) Each *User* must procure that *gas* can be injected on their behalf into each *non-STTM withdrawal zone* and *distribution region* in which they have *Customers* or have submitted *transfer requests*.

(b) On receipt of a written request from *AEMO*, each *User* must within five *business days* provide details of their arrangements under clause 6.2.1(a) in sufficient detail to show that they have existing arrangements for firm delivery of *gas* at an adequate capacity to meet the *Retailer's* peak *Customer* load that can be injected on their behalf into each *non-STTM withdrawal zone* and *distribution region* in which they have *Customers* or have submitted *transfer requests.*

(c) For the avoidance of doubt, nothing in clause 6.2.1(b) requires a *User* to disclose charges it pays in respect of the arrangements referred to in that clause.

(d) Each *User* must use reasonable endeavours to procure that their injections into any *non-STTM withdrawal zone* and *distribution region* match the consumption by their *Customers* in that *non-STTM withdrawal zone* and *distribution region* on any *gas day*.

(e) Each *User* must use reasonable endeavours to procure that their injections into any *non-STTM withdrawal zone* and *distribution region* are such that any *cumulative imbalance for that withdrawal zone and distribution region* is cleared within four weeks of the day on which the *cumulative imbalance* is *published* in accordance with clause 6.5.2.

6.2.2 Obligations of Distributors, AEMO and Users

This clause 6.2.2 applies in respect of all *withdrawal zones*.

(a) Each *Distributor* must use reasonable endeavours to agree the injections at every *custody transfer point* that is connected to their *distribution region* with the relevant pipeline operator or *injection facility operator* prior to sending any *monthly extracts* to *AEMO* in accordance with clause 5.5.1.

(b) Each *Distributor* must advise *AEMO* if the injections at any *custody transfer point* that is connected to their *distribution region* are changed by the relevant pipeline operator or *injection facility operator* after a *revision extract* has been made.

(c) Before 1 August annually, each *Distributor* must use reasonable endeavours to review the mapping of all post codes to *withdrawal zones* in their *distribution region*, and provide *AEMO* with an updated list of post code to *withdrawal zone* mappings.

(d) Each *Distributor* must use reasonable endeavours to provide *AEMO,* within five *business days*, with the post code to *withdrawal zone* mapping for any *new basic meters* installed in a post code not included in the most recent post code to *withdrawal zone* mapping.

(e) Each *Distributor* must:

(i) maintain information on the mapping of *heating value zones* to *custody transfer points* that are connected to their *distribution region;*

(ii) not amend that information without *AEMO's* prior consent in accordance with paragraph (e3) *;* and

(iii) provide *AEMO* with any proposal to amend information on the mapping of *heating value zones* to *custody transfer points* that are connected to their *distribution region*, including the proposed effective date of the amendments which must not be less than 30 *business days* from the date the proposal is provided to *AEMO*.

(e1) *AEMO* must, within 10 *business days* of receiving a proposal under paragraph (e)(iii), notify each *User* that is a *FRO* for a *distribution supply point* in the relevant *distribution region*.

(e2) A *User* may, within 10 *business days* of receiving a proposal under paragraph (e1), notify *AEMO* of any objection to the effective date of a proposed amendment, together with its reasons for objecting.

(e3) After considering any objections received, *AEMO* must advise the *Distributor* whether or not it consents to the effective date of a proposal under paragraph

(e)(iii) within 25 *business days* of receiving the proposal, and *AEMO* is taken to have consented to the proposal if it has not otherwise advised the *Distributor* by that date.

(e4) A *Distributor* must confirm the effective date of any amendments made pursuant to a proposal under paragraph (e)(iii) on or before that effective date.

(f) [Deleted]

6.2.3 AEMO Metering Database

This clause 6.2.3 applies in respect of all *withdrawal zones*.

(a) *AEMO* must create, maintain and administer a *metering database* containing information for each *metering installation* required by *AEMO* for the purposes of *balancing* or the calculation of *STTM distribution system allocations* (as the case may be).[3]

(b) *AEMO* must, on or before the start of each *gas day*, publish on the *market information bulletin board* for affected *Participants* only, details of every *MIRN* required by *AEMO* for the purposes of *balancing* or the calculation of *STTM distribution system allocations* (as the case may be) on that *gas day*.

(c) *AEMO* may appoint an agent from time to time to create, maintain or administer the *metering database*.

(d) *AEMO* must use its reasonable endeavours to procure that the *metering database* is accessible by all affected *Participants* at all reasonable times and:

(i) in the case of data 16 months old or less, within four hours of receiving a written request from an affected *Participant*; and

(ii) in the case of data more than 16 months old, within two *business days* of receiving a written request from an affected *Participant*.

(e) The *metering database* must include energy data provided to *AEMO* pursuant to clause 5.5.1 and all aggregated energy data determined by *AEMO* for the purposes of *balancing* or the calculation of *STTM distribution system allocations* (as the case may be).

(f) As part of the *metering database*, *AEMO* must create, maintain and administer a database of post code to *withdrawal zone* mappings to identify a *withdrawal zone* from a post code supplied pursuant to clause 2.9.1.

(fa) As part of the *metering database*, *AEMO* must create, maintain and administer a database of *heating value zone* to *custody transfer point* mappings provided under clause 6.2.2.

(g) Data must be stored in the *metering database*:

(i) for 16 months in accessible format; and

(ii) for seven years in archive.

(h) The only persons entitled to have access to metering data from the *metering database* in relation to a *meter* are:

[3] For the avoidance of doubt, this includes custody transfer points, interval meters, User aggregating logical meters and User injection logical meters.

(i) each *User* whose *settlement amounts* are determined by reference to quantities of *gas* flowing through that *distribution supply point* or aggregating *logical meter*;

(ii) the *Distributor* whose pipeline is connected to the *metering installation*s at that *distribution supply point* or *custody transfer point*; and

(iii) *AEMO* and its authorised agents.

(i) Provided that the relevant *Customer* has consented, a *User* is entitled to have access to historical data relating to a *Customer* who has transferred to that *User* from another *User* in relation to the period prior to the date on which that *Customer* transferred to that *User*.

(j) Notwithstanding anything else in this clause 6.2.3, *AEMO* must *publish* the database referred to in clause 6.2.3(fa).

6.3 Aggregated Consumption for Users

This clause 6.3 applies in respect of all *withdrawal zones*.

6.3.A1 Energy entering Withdrawal Zones

(a) For the purposes of clause 6.3.1(a)(ii), *AEMO* must determine the net energy entering a *withdrawal zone* and *distribution region* on a *gas day* as:

(i) the sum of all *gas* entering that *withdrawal zone* and *distribution region* at *custody transfer points* connected to that *withdrawal zone* and *distribution region* on that *gas day*; less

(ii) the sum of all *gas* leaving that *withdrawal zone* and *distribution region* at *custody transfer points* connected to that *withdrawal zone* and *distribution region* on that *gas day*,

using the appropriate *meter readings* as determined in accordance with paragraphs (b) to (e).

(b) Where the *withdrawal zone* is an *STTM withdrawal zone* for the purposes of determining the amount of *gas* entering or leaving the relevant *withdrawal zone* and *distribution region* on a *gas day*, *AEMO* must use:

(i) the most recent *meter readings* available in the *metering database* for that *gas day* that have been provided under the *STTM Procedures* in respect of that *custody transfer point*; or

(ii) if any *meter reading* that *AEMO* requires to determine the net energy entering a *withdrawal zone* and *distribution region* has not been provided under the *STTM Procedures* in respect of that *custody transfer point* at the time *AEMO* must determine the *aggregated consumption* for that *withdrawal zone* and *distribution region*, the most recent *meter readings* provided by the *Distributor* to *AEMO* under clause 5.5.1 or 5.5.1A (as the case may be).

(c) Where the *withdrawal zone* is a *non-STTM withdrawal zone* and the relevant *custody transfer point* is connected to a *transmission system* then, for the purposes of determining the amount of *gas* entering or leaving the relevant *withdrawal zone* and *distribution region* on a *gas day*, *AEMO* must use the most recent *meter readings* provided by the *Distributor* to *AEMO* under clause 5.5.1 or clause 5.5.1A (as the case may be).

(d) Where the relevant *custody transfer point* is connected to an *injection facility* then, for the purposes of determining the amount of *gas* entering or leaving the relevant *withdrawal zone* and *distribution region* on a *gas day*, *AEMO* must use the most recent *meter readings* provided by the *Distributor* to *AEMO* under clause 5.5.1 or 5.5.1A (as the case may be).

(e) If any *meter reading* for a *custody transfer point* that *AEMO* is required to use under clause 6.3.A1(b), (c) or (d) is not available at the time *AEMO* must determine the *aggregated consumption* for a *withdrawal zone* and *distribution region*, then *AEMO* must use an *estimated meter reading* that is determined by it using the methodology set out in clause 2.5 of Attachment 2.

6.3.B1 Consumption at Interval Meters

(a) For the purposes of clauses 6.3.1(a)(i) and 6.3.1(a)(ii), *AEMO* must determine the sum of *consumed energy* for a *gas day* for *interval meters* located in any *withdrawal zone* and *distribution region* by:

(i) summing the *consumed energy* for that *gas day* for those *interval meters*; and

(ii) determining the *consumed energy* for each such *interval meter* by using the most recent *meter readings* provided by the *Distributor* to *AEMO* under clause 5.5.1 or 5.5.1A (as the case may be).

(b) If any *meter reading* for an *interval meter* that *AEMO* is required to use under clause 6.3.B1(a)(ii) is not available at the time *AEMO* must determine the sum of the *consumed energy* under clause 6.3.B1(a)(i), then *AEMO* must use an *estimated meter reading* that is determined by it using the methodology set out in clause 2.5 of Attachment 2.

6.3.1 Determination of Aggregated Consumption

(a) On each occasion on which *AEMO* is required to publish the *aggregated consumption* for a *User* for a *withdrawal zone* and *distribution region* under clause 6.3.2, *AEMO* must determine the *aggregated consumption* for each *User* for that *withdrawal zone* and *distribution region* for a *gas day* as follows:

(i) for a *User* who is not a *host retailer in the relevant distribution region*:

$$AC_{d,\,DR,\,WDZ} = \sum IM_{d,\,DR,\,WDZ} + \sum PBM_{d,\,DR,\,WDZ}$$

Where:

$AC_{d,\,DR,\,WDZ}$ = *Aggregated consumption* for that *User* for *withdrawal zone* WDZ and *distribution region* DR for *gas day* d.

$\sum IM_{d,\,DR,\,WDZ}$ = Sum of *consumed energy* for all *interval meters* located in *withdrawal zone* WDZ and *distribution region* DR that are not *custody transfer points* and that have that *User* as *FRO* on *gas day* d with that sum being determined by *AEMO* in accordance with clause 6.3.B1.

$\sum PBM_{d,\,DR,\,WDZ}$ = Sum of aggregated *consumed energy* for profiled *basic meters* determined in accordance with clause 2.8.3 for all *second tier supply points* that are *basic meters* located in *withdrawal zone* WDZ and *distribution region* DR and that have that *User* as the *FRO* on *gas day* d.

(ii) for a *Retailer* who is a *host retailer* in the relevant *distribution region*:

$AC_{d, DR, WDZ} = \sum IM_{d, DR, WDZ} + \sum HBM_{d, DR, WDZ}$

Where:

$AC_{d, DR, WDZ}$ = *Aggregated consumption* for that *Retailer* for *withdrawal zone* WDZ and *distribution region* DR for *gas day* d.

$\sum IM_{d, DR, WDZ}$ = Sum of *consumed energy* for all *interval meters* located in *withdrawal zone* WDZ and *distribution region* DR that are not *custody transfer points* and that have that *Retailer* as the *FRO* on *gas day* d, with that sum being determined by *AEMO* in accordance with clause 6.3.B1.

$\sum HBM_{d, DR, WDZ}$ = Aggregated *consumed energy* of all *basic meters* located in *withdrawal zone* WDZ and *distribution region* DR and that have that *Retailer* as the *FRO* on *gas day* d, and determined as follows:

$= MAX(0, \sum INJ_{d, DR, WDZ} - \sum INT_{d, DR, WDZ} - \sum BM_{d, DR, WDZ})$

Where:

$\sum INJ_{d, DR, WDZ}$ = Net energy entering *withdrawal zone* WDZ and *distribution region* DR on *gas day* d, as determined by *AEMO* in accordance with clause 6.3.A1.

$\sum INT_{d, DR, WDZ}$ = Sum of *consumed energy* for all *interval meters* located in *withdrawal zone* WDZ and *distribution region* DR that are not *custody transfer points,* with that sum being determined by *AEMO* in accordance with clause 6.3.B1.

$\sum BM_{d, DR, WDZ}$ = Aggregated *consumed energy* for profiled *basic meters* determined in accordance with clause 2.8.3 for all *second tier supply points* that are *basic meters* located in *withdrawal zone* WDZ and *distribution region* DR.

(b) In determining the *aggregated consumption* for each *Retailer* for a *withdrawal zone and distribution region*, *AEMO* must use the most recent information contained in the *metering database* and the most recent *NSL* profile for the relevant *gas day*.

6.3.2 Publication of Aggregated Consumption

AEMO must use its reasonable endeavours to publish on the *market information bulletin board* for *Users* only their *aggregated consumption* for each *withdrawal zone and distribution region*:

(a) as provisional daily *aggregated consumption* by 3.00 pm on the *gas day* after the *gas day* to which the *aggregated consumption* pertains;

(b) as provisional monthly *aggregated consumption* by 5.00 pm on the 16th *settlement business day* after the end of the *billing period* to which the *aggregated consumption* pertains;

(c) as final monthly *aggregated consumption* by 5.00 pm on the 24th *settlement business day* after the end of the *billing period* to which the *aggregated consumption* pertains;

(d) as revised monthly *aggregated consumption* by 5.00 pm on the last *settlement business day* of the ninth month after the end of the *billing period* to which the *aggregated consumption* pertains; and

(e) in the event of a further revision, as revised monthly *aggregated consumption* by a date and time to be advised by *AEMO*.

6.4 Aggregated Injections of Users

This clause 6.4 applies only in respect of *non-STTM withdrawal zones*.

6.4.1 Provision of Aggregated Injections to AEMO by Users

(a) Each *User* must provide their *aggregated injections* for a *non-STTM withdrawal zone* and *distribution region* for a *gas day* as required by *AEMO* for *balancing* purposes where *AEMO* has *published* the required *MIRNs* under clause 6.2.3(b).

(b) Each *User* must use reasonable endeavours to provide their *aggregated injections* for each *withdrawal zone and distribution region* referred to in clause 6.4.1(a) to *AEMO* by:

(i) 5.00 pm on the 15th *settlement business day* after the end of each *billing period* and covering the *aggregated injections* for all *gas days* in that *billing period,* as a *final extract*;

(ii) 5.00 pm on the fifth *settlement business day* before the end of the month nine months after the end of each *billing period* and covering the *aggregated injections* for all *gas days* in that *billing period,* as a *revision extract*; and

(iii) as requested by *AEMO* and covering the *aggregated injections* for all *gas days* in the requested *billing period,* as a *revision extract*.

(c) Each *User* may provide an update to their *aggregated injection*s provided in accordance with clause 6.4.1(b)(i) by 5.00 pm on the 22nd *settlement business day* after the end of each *billing period* and covering the *aggregated injections* for all *gas days* in that *billing period,* as a *final extract*[4].

(d) Each *User* that undertakes a trade must provide an *injection allocation trades notice* detailing the energy traded, in gigajoules, and the counter parties to the trades to *AEMO* by:

(i) 5.00 pm on the 22nd *settlement business day* after the end of each *billing period* in relation to the *aggregated injections* for all *gas days* in that *billing period*; and

(ii) 5.00 pm on the fifth *settlement business day* before the end of the month nine months after the end of each *billing period* in relation to the *aggregated injections* for all *gas days* in that *billing period,* as a *revision extract.*

6.4.2 Validation of Aggregated Injections by AEMO

(a) *AEMO* must ensure that, at all times, there exists a process to validate that the total of all *aggregated injections* for all *Users* and for a *non-STTM withdrawal zone*

[4] This allows for any bilateral contracts to be reflected in the aggregated injections.

and *distribution region,* and the impact of the registered trades under clause 6.4.1(d), matches the total of the energy measured at *custody transfer points* for that *withdrawal zone* and *distribution region*, and must set out the action to be taken in the event of a validation failure (*Process to Validate Aggregated Injections*).[5]

(b) *AEMO* must *publish* the *Process to Validate Aggregated Injections* within ten *business days* of any amendment being made.

(c) *AEMO* must store the validated *aggregated injections* provided by each *User* for a *non-STTM withdrawal zone* and *distribution region* (and adjusted by *AEMO* if required by the *Process to Validate Aggregated Injections*) in the *metering database*.

6.5 Cumulative Imbalance

This clause 6.5 applies only in respect of *non-STTM withdrawal zones*.

6.5.1 Determination of Cumulative Imbalance

(a) *AEMO* must determine the *imbalance* for each *User* for a *non-STTM withdrawal zone* and *distribution region* for a *gas day* as follows:

$$DIMB_{d,\ DR,\ WDZ} = AC_{d,\ DR,\ WDZ} - AI_{d,\ DR,\ WDZ}$$

Where:

$DIMB_{d,\ DR,\ WDZ}$ = the *imbalance* for the *User* for *withdrawal zone* WDZ and *distribution region* DR for *gas day* d.

$AC_{d,\ DR,\ WDZ}$ = *aggregated consumption* for the *User* for *withdrawal zone* WDZ and *distribution region* DR for *gas day* d.

$AI_{d,\ DR,\ WDZ}$ = *aggregated injections* for the *User* for *withdrawal zone* WDZ and *distribution region* DR for *gas day* d.

(b) In determining the *imbalance* for each *User*, *AEMO* must use the most recent information contained in the *metering database* and the most recent *NSL* profile for the relevant *gas day*.

(c) *AEMO* must determine the *cumulative imbalance* for each *User* for a *non-STTM withdrawal zone* and *distribution region* for a *cumulative imbalance issue date* as follows:

(i) for *final statements:*

$$CML_DIMB_{ID,\ DR,\ WDZ} = CML_DIMB_{previous\ ID,\ DR,\ WDZ} + DIMB_{M,\ DR,\ WDZ}$$

(ii) for *revised statements*:

$$CML_DIMB_{ID,\ DR,\ WDZ} = CML_DIMB_{previous\ ID,\ DR,\ WDZ} + REV_DIMB_{M,\ DR,\ WDZ}$$

Where:

$CML_DIMB_{ID,\ DR,\ WDZ}$

[5] Actions to be taken may include (but not be limited to) scaling of aggregated injections, requesting Users to resubmit aggregated injections or other steps decided by AEMO taking consideration of the circumstances.

= the *cumulative imbalance* for the *User* for *withdrawal zone* WDZ and *distribution region* DR for *cumulative imbalance issue date* ID.

$DIMB_{M, DR, WDZ}$ = the *final cumulative imbalance* for the *User* for *withdrawal zone* WDZ and *distribution region* DR for *billing period* M.

$$= \sum_{d=1}^{d=n} DIMB_{d,DR,WDZ}$$

Where:

$DIMB_{d, DR, WDZ}$ = the *imbalance* for the *User* for *withdrawal zone* WDZ and *distribution region* DR for *gas day* d.

n = number of *gas day*s in *billing period* M.

$REV_DIMB_{M, DR, WDZ}$

= the *revised cumulative imbalance* for the *User* for *withdrawal zone* WDZ and *distribution region* DR for *billing period* M.

$$= \sum_{d=1}^{d=n} R_DIMB_{d,DR,WDZ} - DIMB_{previous\ ID, M, DR, WDZ}$$

Where:

$R_DIMB_{d, DR, WDZ}$

= the *revised imbalance* for the *User* for *withdrawal zone* WDZ and *distribution region* DR for *gas day* d as determined for *revision statements*.

n = number of *gas day*s in *billing period* M.

$DIMB_{previous\ ID, M, DR, WDZ}$

= the most recently issued *final* or *revised cumulative imbalance* for the *User* for *withdrawal zone* WDZ and *distribution region* DR for *billing period* M.

6.5.2 Publication of Cumulative Imbalance

AEMO must use its reasonable endeavours to publish on the *market information bulletin board* for *Users* only their *cumulative imbalance* for each *non-STTM withdrawal zone* and *distribution region:*

(a) as provisional *imbalances* and *cumulative imbalance* by 5.00 pm on the 16th *settlement business day* after the end of the *billing period* to which the *imbalance* pertains; and

(b) as final *imbalances* and *final cumulative imbalance* by 5.00 pm on the 24th *settlement business day* after the end of the *billing period* to which the *imbalance* pertains; and

(c) as revised *imbalances* and *revised cumulative imbalance* by 5.00 pm on the last *settlement business day* of the ninth month after the end of the *billing period* to which the *imbalance* pertains; and

(d) in the event of a further revision, as revised *imbalances* and *revised cumulative imbalance* by a date and time to be advised by *AEMO*.

6.6 Deleted

6.7 Deleted

6.8 Deleted

6.9 Deleted

6.10 STTM distribution system allocations

This section 6.10 applies only in respect of *STTM withdrawal zones*.

6.10.1 Calculation of STTM distribution system allocations

(a) Subject to clause 6.10.1 (c), *AEMO* must determine each *STTM distribution system allocation* for a *User* for an *STTM withdrawal zone* and *distribution region* for a *gas day* as follows:

$DSA_{d, DR, WDZ} = AC_{d, DR, WDZ}$

Where:

$DSA_{d, DR, WDZ}$ = the *STTM distribution system allocation* for the *User* for *withdrawal zone* WDZ and *distribution region* DR for *gas day* d; and

$AC_{d, DR, WDZ}$ = the *aggregated consumption* for the *User* for *withdrawal zone* WDZ and *distribution region* DR for *gas day* d.

(b) Subject to clause 6.10.1 (c), on each *settlement business day* on which *AEMO* is required to determine a *STTM distribution system allocation* under clause 6.10.2(b), (c), (d), (e) or (f), *AEMO* must recalculate that *STTM distribution system allocation* using the most up-to-date information (including the *aggregated consumption* most recently calculated under clause 6.3.1) available to it.

(c) *AEMO* must calculate, *STTM distribution system allocation* in accordance with rule 422 of the *Rules* and the *STTM Procedures.*

6.10.2 Determination of STTM distribution system allocations

(a) By no later than 4.5 hours after the beginning of each *gas day*, *AEMO* must determine the *STTM distribution system allocations* for each *User* for each *STTM withdrawal zone* and *distribution region* for the previous *gas day*.

(b) By no later than 5.00pm on each settlement business day, *AEMO* must determine updated *STTM distribution system allocations* for each *User* for each *STTM withdrawal zone* and *distribution region* for each *gas day* up to the previous *gas day*, in the *billing period* in which the previous *gas day* falls.

(c) By no later than 5.00pm on the fifth *settlement business day* after the end of a *billing period*, *AEMO* must determine, as preliminary *STTM distribution system allocations*, the *STTM distribution system allocations* for each *User* for each *STTM withdrawal zone* and *distribution region* for each *gas day* in that *billing period*.

(d) By no later than 5.00pm on the 16th *settlement business day* after the end of a *billing period*, *AEMO* must determine, as final *STTM distribution system allocations*, the *STTM distribution system allocations* for each *User* for each *STTM withdrawal zone* and *distribution region* for each *gas day* in that *billing period*.

(e) By no later than 5.00pm on the third *settlement business day* of the tenth month after the end of a *billing period*, *AEMO* must determine, as revised *STTM distribution system allocations*, the *STTM distribution system allocations* for each *User* for each *STTM withdrawal zone* and *distribution region* for each *gas day* in that *billing period*.

(f) When *STTM distribution system allocations* are required at any other time for the operation of the *STTM*, *AEMO* must determine such *STTM distribution system allocations* as soon as practicable, as revised *STTM distribution system allocations*.

(g) Where *AEMO* is required to determine *STTM distribution system allocations* under this clause 6.10.2, it must do so in accordance with the requirements of the *Rules* and the *STTM Procedures*.

CHAPTER 7 SETTLEMENTS

7.A1 STTM withdrawal zones

For the avoidance of doubt:

(a) *balancing amounts* for *STTM withdrawal zones* and *distribution regions* are equal to zero; and

(b) *Users* will continue to be required to pay *FRC fees* in respect of *STTM withdrawal zones* and *distribution regions.*

7.1 Electronic funds transfer

(a) *AEMO* must ensure that an *EFT facility* is provided and made available for all *Users* for the purposes of facilitating settlements and the collection and payment of all *FRC fees*.

(b) Unless otherwise authorised by *AEMO*, all *Users* must use the *EFT facility* provided by *AEMO* under clause 7.1(a) for the settlement of transactions and the payment of *FRC fees*.

7.2 Settlement amounts for billing periods

(a) *AEMO* must determine the *settlement amount* for each *User* for each *billing period* in accordance with clause 7.2(b).

(b) The *settlement amount* for a *User* for a *billing period* equals the sum of:

(i) any *FRC fees* which that *User* is required to pay in respect of that *billing period*; plus

(ii) any other amounts payable by that *User* to *AEMO* pursuant to these *Procedures*; minus

(iii) any other amounts payable by *AEMO* to that *User* pursuant to these *Procedures*.

(c) The *settlement amount* determined by *AEMO* pursuant to clause 7.2(b) for each *User* will be a positive or negative dollar amount.

(d) Each component of the *settlement amount* determined by *AEMO* pursuant to clause 7.2(b) for each *User* must be clearly identified and is subject to the application of *GST*, where applicable, under clause 7.13.

7.3 Payment of settlement amount

(a) Where the *settlement amount* for a *User* is a positive amount, the *User* must pay that amount to *AEMO* in accordance with clause 7.5.

(b) Where the *settlement amount* for a *User* is a negative amount, the *User* must be paid that amount by *AEMO* in accordance with clause 7.6.

7.4 Final statements

(a) No later than 24 *settlement business days* after the end of each *billing period*, *AEMO* must give to each *User* a *final statement* stating the amounts payable by the *User* to *AEMO* or payable by *AEMO* to the *User* (subject to clause 7.11) in respect of the relevant *billing period*.

(b) The *final statements* issued under this clause 7.4 must include supporting data for all amounts payable which must be sufficient to enable each *User* to audit the calculation of the amount payable by or to that *User*.

7.5 Payment by Users

(a) No later than 12 noon on the 26th *settlement business day* after the end of a *billing period* or 12 noon on the second *business day* after receiving a *final statement* under clause 7.4, whichever is the later, each *User* must pay to *AEMO* in cleared funds the *settlement amount* stated to be payable to *AEMO* by that *User* in that *User's final statement*, whether or not the *User* disputes, or continues to dispute, the amount payable.

(b) Payments made in accordance with clause 7.5(a) must be made using the *EFT facility*.

7.6 Payment to Users

(a) By no later than 2.00 p.m. on the day on which *AEMO* is to be paid under clause 7.5, *AEMO* must pay to each *User* in cleared funds the *settlement amount* stated to be payable to that *User* in that *User's final statement* (subject to clause 7.11).

(b) Payments made in accordance with clause 7.6(a) must be made using the *EFT facility*.

7.7 Disputes

(a) Where a *User* wishes to dispute a *settlement amount* stated in a *settlement statement* or the supporting data for a *billing period*, it must do so only in respect of the most recently issued *settlement statement* for that relevant *billing period*.

(b) If a dispute arises between a *User* and *AEMO* during the period between the issue of a *final statement* and the issue of a *revised statement* in accordance with clause 7.8 concerning either:

(i) the *settlement amount* stated in a *final statement* provided under clause 7.4(a) to be payable by or to it a *User* ; or

(ii) the supporting data provided in accordance with clause 7.4(b),

they must each use reasonable endeavours to resolve the dispute within nine months after the end of the *billing period.*

(c) Disputes in respect of:

(i) the *settlement amount* stated in a *revised statement* provided under clause 7.8(d) to be payable by or to a *User*; or

(ii) the supporting data provided in accordance with clause 7.8(e), must be raised within six months after the issue of the *revised statement*.

(d) Disputes raised in relation to a *revised statement* must be resolved by agreement or pursuant to the dispute resolution provisions set out in the *Rules*.

7.8 Revised Statements

(a) *AEMO* must revise each *final statement* issued in accordance with clause 7.4 using, for the purpose of that revision, the most recent information available to *AEMO* on the last *settlement business day* of the ninth month after the relevant *billing period.*

(b) *AEMO* must issue a *revised statement* for the relevant *billing period* no later than the fifth *settlement business day* of the tenth month after the relevant *billing period* to each *User* affected by a revision for the relevant *billing period,* setting out:

(A) the amount payable by the *User* to *AEMO* or, subject to clause 7.11, the amount payable by *AEMO* to the *User* ; and

(B) the adjustment to the final statement as agreed or determined.

(c) If, within twelve months of the end of a *billing period* for which a *revised statement* has been issued under clause 7.8(a), *AEMO* becomes aware of an error in an amount stated in that *revised statement* and in *AEMO's* reasonable opinion a *User* would be materially affected if a revision to the *revised statement* was not made to correct the error, then *AEMO* must:

(i) advise each *User* likely to be materially affected by the error within five *settlement business days* of *AEMO* deciding the error is material, and

(ii) as soon as practicable issue *revised statements* for the relevant *billing period* in accordance with clause 7.8(b).

(d) If an amount in a *revised statement* issued under clauses 7.8(b) or 7.8(c) has been the subject of a dispute and the dispute has been resolved in any way which causes the amount payable to differ from the amount payable in the disputed *revised statement* then *AEMO* must issue to each *User* affected by the resolution of the dispute a *revised statement* in accordance with clause 7.8(b).

(e) The statements issued under this clause 7.8 must include supporting data for all amounts payable which must be sufficient to enable each *User* to audit the calculation of the amount payable by or to that *User* .

7.9 Payment of adjustments

(a) *AEMO* must specify the time and date on which a payment of an adjustment under a *revised statement* issued under clause 7.8 is due, which date must be not less than ten *settlement business days* after the issue of that *revised statement*.

(b) If the next *final statement payment date* occurs ten *settlement business days* or more after the issue of a *revised statement* under clause 7.8, then *AEMO* must require payment of the adjustment under that *revised statement* to be made on that next *final statement payment date*.

(c) If the next *final statement payment date* occurs less than ten *business days* after the date of issue of a *revised statement* under clause 7.8, then *AEMO* must require payment of the adjustment under that *revised statement* to be made on the *final statement payment date* following the next *final statement payment date*.

(d) By no later than the time and date specified by *AEMO* pursuant to clause 7.9(a), each *User* must pay to *AEMO* in cleared funds the net amount stated to be payable by that *User* in the *revised statement* issued to it under clause 7.8.

(e) Subject to clause 7.11, on the day on which *AEMO* is to be paid under clause 7.9(d), *AEMO* must pay to each *User* in cleared funds the net amount stated to be payable to that *User* in the *revised statement* issued to it under clause 7.8.

7.10 Payment default procedure

(a) Each of the following events is a default event in relation to a *User*:

(i) the *User* does not pay any money due for payment by it under these *Procedures* by the appointed time on the due date;

(ii) it is or becomes unlawful for the *User* to comply with any of its obligations under these *Procedures* or any other obligation owed to *AEMO* or it is claimed to be so by the *User*;

(iii) an authorisation from a government body necessary to enable the *User* to carry on their respective principal businesses or activities ceases to have full force and effect;

(iv) the *User* ceases to carry on its business or a substantial part of its business;

(v) the *User* enters into or takes any action to enter into an arrangement (including a scheme of arrangement), composition or compromise with, or assignment for the benefit of, all or any class of their respective creditors or members, or a moratorium involving any of them;

(vi) the *User* states that it is unable to pay from its own money its debts as and when they fall due for payment;

(vii) a receiver or receiver and manager is appointed in respect of any property of the *User*;(viii) an administrator, provisional liquidator, liquidator, trustee in bankruptcy or person having a similar or analogous function is appointed in respect of the *User,* or any action is taken to appoint any such person;

(ix) an application or order is made for the winding up or dissolution or a resolution is passed or any steps are taken to pass a resolution for the winding up or dissolution of the *User*;

(x) the *User* dies or is dissolved unless such notice of dissolution is discharged; and

(xi) the *User* is taken to be insolvent or unable to pay its debts under any applicable legislation.

(b) Where a default event has occurred in relation to a *User*, *AEMO* may:

(i) issue a default notice which specifies:

(A) the nature of the alleged default; and

(B) if *AEMO* considers that the default is capable of remedy, that the *User* must remedy the default within 24 hours of the issue of the default notice; and/or

(ii) immediately refer the matter to the *AER* for investigation if *AEMO* considers that the default is not capable of remedy and that failure to take action would be likely to expose other *Users* to greater risk.

(c) If:

(i) a default event is not remedied within 24 hours of the issue of the default notice or any later deadline agreed to in writing by *AEMO*; or

(ii) *AEMO* receives notice from the defaulting *User* that it is not likely to remedy the default specified in the default notice,

then *AEMO* must refer the matter to the *AER* for investigation.

7.11 Maximum total payment in respect of a billing period

(a) For the purposes of this clause 7.11, the maximum total payment in respect of a *billing period* is equal to:

(i) the aggregate of the amounts received by *AEMO* from *Users* under clause 7.5 in respect of that *billing period* by 4.00 pm on the *payment date*; less

(ii) the aggregate amount of all *FRC fees*.

(b) For the purpose of clause 7.11(a), any payment received by *AEMO* from a *User* in respect of a *billing period* shall be deemed to be made, and may be applied by *AEMO*, in satisfaction of the *FRC fees* (as specified in the *final statement* issued to that *User* in respect of that *billing period*) before it is applied by *AEMO* in satisfaction of any other obligation or liability.

(c) If the maximum total payment in respect of a *billing period* is not sufficient to meet the aggregate of the net amounts payable by *AEMO* to each of the *Users* to whom payments are to be made in respect of the *billing period*, then the amount payable by *AEMO* to each relevant *User* in respect of that *billing period* is to be reduced by applying the following formula:

$$AAP = SAP \times A / B$$

where:

AAP	is the reduced amount payable by *AEMO* to the relevant *User* in respect of the relevant *billing period*;
SAP	is the net amount that would have been payable to the relevant *User* for the relevant *billing period* but for the application of this clause 7.11.
A	is the maximum total payment in respect of the *billing period*; and
B	is the aggregate of the net amounts payable by *AEMO* to *Users* under clause 7.6 in respect of the *billing period*.

7.12 Interest on overdue amounts

(a) A *User* or *AEMO*, as the case may be, must pay interest on any unpaid moneys due and payable by it under this chapter 7.

(b) The rate of interest payable under clause 7.12(a) is the default *interest rate* calculated as simple interest on a daily basis from the date payment was due, up to and including the date on which payment is made, with interest compounding on monthly rates on the last day of each month whilst the unpaid moneys remain outstanding.

7.13 GST

7.13.1 Interpretation

Terms used in this clause 7.13 have the same meaning given to those terms in the *GST Act*, unless provided otherwise.

7.13.2 Application of GST

(a) Unless stated otherwise, and subject to clause 7.13.2(b), monetary amounts determined, *published*, notified or referred to under these *Procedures* do not include *GST*.

(b) In determining amounts payable by or to persons under these *Procedures*, *AEMO* will include appropriate provision for the application of *GST* taking into account entitlement to input tax credits on amounts incurred, where applicable and consistent with the *GST Act*.

7.13.3 Co-operation

(a) Each *Participant* must provide reasonable co-operation, if requested by *AEMO* to do so, to ensure efficient compliance with laws relating to the *GST*.

(b) *AEMO* must provide reasonable co-operation, if requested by a *Participant* to do so, to ensure that *Participant's* efficient compliance with laws relating to the *GST*.

CHAPTER 8 SAVINGS AND TRANSITIONALS

8.1 [Deleted]

CHAPTER 9 CUSTOMER DATA

9.1 Creation, Maintenance and Administration of Customer Data

(a) AEMO must create, maintain and administer a database to store *Customer* details provided to AEMO under this clause.

(b) Each *Retailer* must, as required by the *Gas Interface Protocol*, update, format and deliver a new *complete customer listing* to AEMO by 5:00pm on the tenth *business day* after the end of the month.

(c) Within two *business days* of receipt of the *complete customer listing*, AEMO must:

(i) validate that:

(A) all mandatory fields as defined in the *complete customer listing* are populated; and

(B) for each *MIRN*, the *FRO* identified in the *complete customer listing* corresponds to the *FRO* identified in the *metering register* as at the extraction date;

(ii) store the *complete customer listing* in a secure database and archive previous versions of the *complete customer listing*;

(iii) where a *complete customer listing* fails validation under clause 9.1(c)(i), notify the relevant *Retailer* of the failure.

CHAPTER 10 RETAILER OF LAST RESORT

10.1 Retailer of Last Resort Event

A *RoLR event* is defined under Part 6 of the *NERL* and when this event occurs, clause 10.1.1 to 10.1.8 applies.

10.1.1 Cancelled and Accelerated Customer Transfers

AEMO must by the start of the *gas day* that commences on the *RoLR transfer date*, in relation to a lodged or pending *transfer request*:

(a) where the *prospective FRO* is the *failed Retailer*, cancel all *transfer requests* and deliver a notice of the withdrawal of the *transfer request*, to the *FRO*, the prospective *FRO* and the *Distributor* for the *supply point* to which the *transfer request* relates;

(b) where the *MIRN*, that is subject to a *transfer request*, has the *failed Retailer* recorded as the *FRO* and the *transfer request* contains a *Customer no-change statement,* accelerate the *transfer request* and deliver a notice of the registration of the *transfer request* to the *prospective FRO,* the *FRO* and the *Distributor* for the *supply point* to which the *transfer request* relates;

(c) where the *MIRN*, that is subject to a *transfer request*, has the *failed Retailer* recorded as the *FRO* and does not contain a *Customer no-change statement* and;

(i) if the *prospective transfer date* is ten days or less from the *RoLR transfer date,* AEMO must accelerate the *transfer request* and deliver a notice of the registration of the *transfer request* to the *prospective FRO,* the *FRO* and the *Distributor* for the *supply point* to which the *transfer request* relates*;* or

(ii) if the *prospective transfer date* is more than ten days from the *RoLR transfer date,* AEMO will allow the *transfer request* to be processed as normal and the *MIRN* relating to that *transfer request* will be included in the *metering register* update process described in clause 10.1.4.

10.1.2 Metering Register Update

Before the *RoLR transfer date*, for each *MIRN* for which the *failed Retailer* is recorded as the *FRO* and to which clause 10.1.1does not apply, *AEMO* must amend the *metering register* by recording the *designated RoLR* as the *FRO.*

10.1.3 MIRN Database Update

The *Distributor* must:

(a) for each *MIRN* for which the *failed Retailer* is recorded as the *FRO* and to which clause 10.1.1 does not apply, the *Distributor* must amend the *MIRN Database* by recording the *designated RoLR* as the *FRO;*

(b) provide AEMO with a report of the details of each *MIRN* that has been updated in the *MIRN database;* and

(c) where the *failed retailer* is the *local area retailer* of the *Distributor*, provide AEMO with details of those *MIRNs.*

10.1.4 Data Exchange

Before the *RoLR transfer date* AEMO must:

(a) provide each *designated RoLR* a file containing *Customer* details using the most recently received *complete customer listing* for the *MIRNs* for which they have become the *FRO* in accordance with the *Gas Interface Protocol*; and

(b) provide each *Distributor* details of the *MIRNs* where in accordance with clause 10.1.2 *AEMO* has updated the *metering register* with the *designated RoLR* as the *FRO* and deliver that file in accordance with the *Gas Interface Protocol*.

10.1.5 Data Exchange from Failed Retailer

Before the *RoLR transfer date*, the *failed Retailer* or its *insolvency official* must provide each *designated RoLR* a file containing *Customer* details for the *MIRN*s for which they will become the *FRO* in accordance with the *Gas Interface Protocol*.

10.1.6 Meter Reading and Account Creation

For each *MIRN* that the *designated RoLR* has become the *FRO*, the *Distributor* must:

(a) calculate an estimated meter reading for the *RoLR transfer date* and provide it to AEMO, the designated RoLR and the failed Retailer; and

(b) calculate the energy data information for the *RoLR transfer date* as described in clause 2.6.2(a) and provide to AEMO and the failed Retailer; and

(c) provide the designated RoLR the current information set out in clause 3.1.1(a) to 3.1.1(m);

(d) and provide the information in accordance with the Gas Interface Protocol as soon as practicable but no later than 7 days after the *RoLR transfer date*.

10.1.7 Updates to Estimated Meter Reading

(a) Each *Distributor* must provide any updates to estimated data provided under clause 10.1.6(b), (c) and (d) to AEMO*,* the *failed Retailer* and *designated RoLR.*

(b) The updates must be provided as soon as it is practical to do so, but in any event no later than on the last *settlement business day* of the ninth month after the relevant *billing period* in which the *RoLR transfer date* occurs.

10.1.8 Service Order Processes

Where a *Distributor* has not yet completed *service orders* that were initiated prior to *RoLR transfer date* by the *failed Retailer,* the *Distributor* in accordance with the *Gas Interface Protocol* must by the end of the next day after the *RoLR transfer date* provide a *service order in flight report* to the *designated RoLR.*

10.1.9 Industry reconciliation program

Within the 65th *business day* after the *RoLR transfer date* and after consulting with affected *Retailers* and *Distributors,* AEMO must determine if an industry reconciliation program is required.

[**Note:** This clause places an obligation on AEMO to determine the need for a reconciliation of the Customer transfers that have occurred during a RoLR event to ensure that Customers have been transferred to the correct Retailer of Last Resort and that the Distributors', Retailers' and AEMO's databases are aligned. The intention is to perform an exercise that would identify and correct any errors. The 50 day period is to allow for at least one billing cycle to have occurred so that Retailers can assess the financial implications of performing a reconciliation.]

CHAPTER 11 DISTRIBUTION UNACCOUNTED FOR GAS

11.1 General

(a) The *Distributor* must notify *AEMO* within 30 *business days* of appointing a *UAFG provider.*

11.2 Registration of the UAFG provider MIRN

(a) No later than 20 *business days* prior to the *UAFG provider* commencing deliveries of *UAFG* the relevant *Distributor* must register with *AEMO* one *interval meter MIRNs* for each *withdrawal zone* and *distribution region* for which the *UAFG provider* has been appointed.

(b) The registration of the *UAFG MIRN* referred to in clause 11.2 (a) must follow the process for the new *interval meter* referred to in clause 5.2.3 (b).

11.3 Registration of the UAFG reconciliation MIRN

(a) No later than 20 *business days* prior to the *UAFG provider* commencing deliveries of *UAFG* the relevant *Distributor* must register with *AEMO* the required number of *interval meter MIRNs* for each *withdrawal zone* and *distribution region.* One *reconciliation MIRN* must have the *host retailer* as the as the *FRO*, the other *reconciliation MIRN* must have the *UAFG provider* as the *FRO* if the *UAFG provider* is not the *host retailer.*

(b) The registration of the *UAFG registration MIRN* referred to in clause 11.5 (a) must follow the process for a new *interval meter* referred to in clause 5.2.3 (b).

11.4 UAFG estimation methodology

(a) The *Distributor* must publish its *UAFG estimation methodology* on its website.

(b) The *Distributor* will use reasonable endeavours to ensure the *UAFG estimation methodology* results in the annual *reconciliation quantity* tending towards zero.

(c) The *Distributor* prior to implementing changes to the published *UAFG estimation methodology* must

(i) provide *Users* and *AEMO* with the proposed change to the *UAFG estimation methodology;* and

(ii) allow a reasonable time to receive *Users* and *AEMO* responses to the proposed changes to the *UAFG estimation methodology*.

11.5 Provision of estimated consumed energy for the UAFG MIRN

(a) For each *gas day* the *Distributor* must apply the *UAFG estimation methodology* to calculate the estimated daily *UAFG* for each *withdrawal zone* and *distribution region.*

(b) The *Distributor* must communicate the estimated *UAFG* for each *withdrawal zone* and *distribution region* for each day to the *UAFG provider* in the agreed time and format.

(c) At the end of each *gas day* the *Distributor* must allocate the daily *UAFG* amount for each *withdrawal zone* and *distribution region* to the associated *UAFG MIRN* which has been agreed with the *UAFG provider*.

(d) The *Distributor* must provide the daily estimated *UAFG* for the *UAFG MIRN* with the energy data for the *interval meters* in accordance with the delivery timeframes set out clause 5.5.

(e) *AEMO* must use the data in clause 11.5 (b) for settlement purposes.

11.6 Annual adjustment of allocated UAFG

11.6.1 AEMO to provide annual injection data

Within 10 *business days* of issuing the nine month revision for June of the *UAFG year*, *AEMO* will provide the *consumed energy* for *custody transfer points* for the *UAFG year* to the *Distributors.*

11.6.2 Distributor, UAFG Provider and User to agree data

(a) Within 60 *business days* of having received the data referred to in clause 11.6.1 each *Distributor* must for each *withdrawal zone* and *distribution region;*

(i) provide each *User* with all *meter readings* for all *basic meters* and *interval meters* during the *UAFG year* for which the *User* was the *FRO* during the *UAFG year*

(ii) where the *meter readings* for *basic meters* in clause 11.6.2(a)(i) span two *UAFG years*, the *Distributor* must allocate the *meter reading* between the two *UAFG years* in proportion to the applicable *NSL; and*

(iii) send the data referred to in clause 11.6.1 and 11.6.2 (a) (i) to *Users.*

(b) All parties must work in good faith to agree the data.

(c) The data referred to in clause 11.6.2 (a) (i) and (ii), must be:

(i) agreed between *Distributors* and *Users* within 40 *business days* from the day on which the data was sent by the *Distributor*.

(ii) If agreement has not, or cannot be reached within the time period referred to in clause 11.6.2 (c) (i) the the parties can agree to an extension date that is not more than 120 *business days* after the data was sent by the *Distributor.*

(d) If agreement has not been reached within the time period referred to in clause 11.6.2 (c), the *Distributor* data will be deemed as a the correct consumption data.

(e) The *Distributor* must provide *AEMO* the agreed consumption data within *10 business day* of either:

(i) the *Distributor* and *Users* agreeing to the data; or

(ii) the date specified in clause 11.6.2 (c) being passed without agreement being reached on consumption data.

11.6.3 AEMO to determine reconciliation quantity.

(a) Within 25 *business days* after receiving the data referred to in clause 11.6.2 (d), *AEMO* must calculate the annual *reconciliation quantity* for each *withdrawal zone* and *distribution region* in accordance with this clause based on the data provided by *Distributors.*

(b) *AEMO* will apply the following formula to calculate the *reconciliation quantity*.

Reconciliation quantity = Total Injection – Total consumption

(c) Within 10 *business days* after calculating the annual *reconciliation quantity* under clause 11.6.3 (b) which will include an indicator to signify whether the annual *reconciliation quantity* is in surplus or shortfall, *AEMO* must provide the *reconciliation quantity*, to the *Distributor, UAFG provider* and the *host retailer.*

11.6.4 Users reconciliation

(a) Within 20 *business days* of having received the annual *reconciliation quantity* under clause 11.6.3 (c), the *UAFG provider* and the *host retailer* must agree on the *UAFG* adjusted gas deliveries and timeline to resolve their respective surplus or shortfall position for each *withdrawal zone* and *distribution region*.

(b) Within 10 *business days* after agreeing to the *UAFG* adjusted gas deliveries and timeline referred to in clause 11.6.4 (a), the *UAFG provider* must provide the *Distributor* the agreed *UAFG* adjusted gas deliveries and timeline for each *withdrawal zone* and *distribution region*.

(c) Daily *reconciliation quantities* must commence from the first day of the next month that is, at least 10 *business days* after the date the total *reconciliation quantity* is agreed, unless otherwise agreed by the *Distributor*, *host retailer* and *UAFG provider*.

(d) The daily *reconciliation quantity* will be limited to 500GJ per day plus one day at less than 500GJ to ensure the entire annual *reconciliation quantity* is recovered.

(e) The *Distributor* provides the daily *reconciliation quantity* as energy values to the relevant *reconciliation MIRN*.

(iii) If the daily *reconciliation quantity* was positive (surplus) the agreed daily *reconciliation quantity* is sent to the

UAFG provider reconciliation MIRN as a positive value (*host retailer* provided some of the *UAFG* as the estimate was too low)

(iv) If the daily *reconciliation quantity* was negative (shortfall) the agreed daily *reconciliation quantity* is sent to the *host retailer reconciliation MIRN* as a positive value (*UAFG provider* gave too much *UAFG* as the estimate was too high)

(v) Otherwise the daily *reconciliation quantity* is zero

(f) For the avoidance of doubt:

(i) The responsibilities of the *UAFG provider* extend until the last *gas day* for which a daily *reconciliation quantity* is required for the period they were the *UAFG provider*.

(ii) The changes apply to all *UAFG* years that end after the effective date of the *Procedure* (i.e. will include *UAFG* year 2018/2019)

CHAPTER 12 There is no chapter 12

12.1 There is no clause 12.1

ATTACHMENT 1 APPROVED VALIDATION METHODOLOGY

A *Distributor* must apply at least the following validation tests to a *meter reading*:

(a) is the *meter reading* value numeric and greater than or equal to zero;

(b) is the *meter reading* value greater than or equal to the previous *meter reading* value (other than where there has been a full revolution of the meter index (step-down value));

(c) in respect of an *actual meter reading*, does the *meter reading* value pass the high/low test as set out below and conducted when the *meter reading* is undertaken:

(i) the *consumed energy* at any *distribution supply point* that is a *basic meter* is estimated using the Type 4 Estimation Methodology set out in Attachment 2.

(ii) determine the High and Low Consumption Limits:

High Consumption Limit = 200% of estimated *consumed energy*

Low Consumption Limit = 10% of estimated *consumed energy*

(iii) determine the High and Low Flow limits:

High Flow Limit = High Consumption Limit ÷PCF÷Heating Value (38 *MJ*/m^3)

Low Flow Limit = Low Consumption Limit ÷PCF÷Heating Value (38 *MJ*/m^3)

(iv) determine the High and Low Index Limits:

High Index Limit = Previous Index + High Flow Limit

Low Index Limit = Previous Index + Low Flow Limit

(v) any index *read* outside this range will be invalid and cause a warning to the meter reader to re-enter the index reading.

(vi) if the re-entered index *read* is still outside the range, the index will be saved with a flag to indicate failure of the high/low test.

(d) is the date the *meter reading* occurred later than or the same as the date the immediately preceding *validated meter reading* occurred; and

(e) does the *meter reading* value pass the Meter Capacity Test defined below:

Number of Dials	Meter Capacity per 90-day *Billing period*
4	150GJ
5	750GJ
6	3,750GJ

ATTACHMENT 2 APPROVED ESTIMATION METHODOLOGY

1. Application

1.1. Basic Meter Estimation Methodology

A *Distributor* must undertake an *estimated meter reading* in the circumstances described in clauses 2.2.3(a)(ii), 2.2.3(a)(iii) and 2.4.2(b) of these *Procedures*.

A *Distributor* must apply a Type 1, Type 2, Type 3 or Type 4 Basic Meter Estimation to these circumstances.

1.2. Interval Meter Estimation Methodology

A *Distributor* must undertake an *estimated meter reading* in the circumstances described in clause 5.4 of these *Procedures*. A *Distributor* must apply a Type 4 Interval Meter Estimation to these circumstances.

2. Methodologies

2.1. Type 1 Estimation Methodology

The Type 1 Estimation Methodology (*base load* plus *temperature sensitivity factor*) is not currently used by *Distributors* in Queensland, but may be introduced in the future.

2.2. Type 2 Estimation Methodology

The Type 2 Estimation Methodology (*base load* plus *temperature sensitivity factor* using *Customer characterisation*) is not currently used by *Distributors* in Queensland, but may be introduced in the future.

2.3. Type 3 Estimation

2.3.1 Where a Type 4 Estimate is not appropriate, a *User* and a *Distributor* may agree to an estimated energy consumption for a *distribution supply point* for a *reading period*.

2.4. Type 4 Basic Meter Estimation

2.4.1 A *Distributor* must use the methodology set out below to determine an *estimated meter reading* for a *distribution supply point* for a *reading period*.

2.4.2 [Deleted]

2.4.3 [Deleted]

2.4.4 A Type 4 Basic Meter Estimation is based on the following hierarchy:

(a) Use the same period last year, if:

(i) the site has more than 12 months of history,

(ii) there is an *actual meter read* that applies to the same period last year; and

(iii) the *meter reading* is for a period greater than or equal to 26 days:

Calculate the average daily consumption for the same period last year and multiply by the number of days in the *reading period*.

(b) Use previous period, if:

(i) 2.4.4(a) did not successfully determine a volume;

(ii) there is a *meter* on the site within the last 12 months;

(iii) there is an *actual meter read*;

(iv) the *meter reading* is for a period greater than or equal to 26 days:

Calculate the average daily consumption for the previous period and multiply by the number of days in the *reading period*.

(c) Use trend calculation, based on *customer characterisation*, if:

(i) 2.4.4(a) or 2.4.4(b) did not successfully determine a volume;

Calculate the average daily consumption (trend calculation) based on the daily average consumption of billed reads for all *MIRNs* for the same period with the same *Customer characterisation*, multiplied by the number of days in the *reading period*.[6]

2.5. Type 4 Interval Meter Estimation

2.5.1 If a Distributor or *AEMO* is required to generate an estimate for an *interval meter* for a day (a 'Substitution Day'), it is required to generate the value using data from the first available 'Preferred Day' (as detailed in the table below) unless:

(i) the Substitution Day was a public holiday, in which case the most recent Sunday is to be used; or

(ii) the Substitution Day was not a public holiday but the Preferred Day was a public holiday, in which case the substitution Preferred Day to be used must be the most recent Preferred Day that was not a public holiday; or

(iii) no data is available for a Preferred Day, in which case a default value of 0*GJ* (zero *GJ*) is to be used.

Substitution Day	Preferred Day (in order of availability)
Monday	Monday**
Tuesday	Tuesday** Wednesday** Thursday**
Wednesday	Wednesday** Tuesday* Thursday** Tuesday**
Thursday	Thursday** Wednesday* Tuesday* Wednesday** Tuesday**
Friday	Friday**

[6] For the avoidance of doubt: Customer characterisation could be grouped into, but not limited to: residential or business MIRNs.

Saturday	Saturday**
Sunday	Sunday**

Note:

* Occurring in the same week as the Substitution Day.

** Occurring in the week preceding that in which the Substitution Day occurs.

Examples:

If we fail to get data for a site on Monday the 8th of January 2007. In accordance with the table we would first try Monday 1 January 2007, and as this is a public holiday, we next try Monday 25 December 2006, and as this is also a public holiday we finally end up using the data from Monday 18th December 2006 as estimate for Monday the 8th of January 2007.

Similarly if we need data for Friday the 2nd of May 2003, we first try Friday 25 April, ANZAC day, next try Friday 18 April, Good Friday, and finally use Friday 11th April.

ATTACHMENT 3 APPROVED SUBSTITUTION METHODOLOGY

1. Application

A *Distributor* must undertake a *substituted meter reading* where:

(a) a *basic meter* has failed or is shown to be defective; or

(b) in other circumstances where there is no prospect of obtaining an *actual meter reading* or an accurate *actual meter reading* from that *meter*.

2. Methodologies

2.1. Type 1 Substitution Methodology

The Type 1 Substitution Methodology (*base load* plus *temperature sensitivity factor*) is not currently used by *Distributors* in Queensland, but may be introduced in the future.

2.2. Type 2 Substitution Methodology

The Type 2 Substitution Methodology (*base load* plus *temperature sensitivity* factor using characterisation) is not currently used by *Distributors* in Queensland, but may be introduced in the future.

2.3. Type 3 Substitution

2.3.1 Where a Type 4 Substitute is not appropriate, a *User* and a *Distributor* may agree a substituted energy consumption for a *distribution supply point* for a *reading period*.

2.4. Type 4 Basic Meter Substitution

2.4.1 A *Distributor* must use the methodology set out below to determine a *substituted meter reading* for a *distribution supply point* that is a *basic meter* for a *reading period*.

2.4.2 [Deleted]

2.4.3 [Deleted]

2.4.4 Where a Distributor must substitute a *meter reading* for a *basic meter*, the methodology applied is the Attachment 2 – Type 4 Basic Meter Estimation methodology.

2.5. Type 4 Interval Meter Substitution

2.5.1 If a Distributor is required to generate a substitution for an *interval meter* for a day (the 'Substitution Day') it is required to generate the value using data from the first available 'Preferred Day' (as detailed in the table below) unless:

(i) the Substitution Day was a public holiday, in which case the most recent Sunday is to be used; or

(ii) the Substitution Day was not a public holiday but the 'Preferred Day' was a public holiday, in which case the substitution 'Preferred Day' to be used must be the most recent Preferred Day that was not a public holiday; or

(iii) no data is available for a Preferred Day, in which case a default value of 0*GJ* (zero *GJ*) is to be used.

Substitution Day	Preferred Day (in order of availability)
Monday	Monday**
Tuesday	Tuesday** Wednesday** Thursday**
Wednesday	Wednesday** Tuesday* Thursday** Tuesday**
Thursday	Thursday** Wednesday* Tuesday* Wednesday** Tuesday**
Friday	Friday**
Saturday	Saturday**
Sunday	Sunday**

Note:

* Occurring in the same week as the Substitution Day.

** Occurring in the week preceding that in which the Substitution Day occurs.

Examples:

If we fail to get data for a site on Monday the 8th of January 2007. In accordance with the table we would first try Monday 1 January 2007, and as this is a public holiday, we next try Monday 25 December 2006, and as this is also a public holiday we finally end up using the data from Monday 18th December 2006 as estimate for Monday the 8th of January 2007.

Similarly if we need data for Friday the 2nd of May 2003, we first try Friday 25 April, ANZAC day, next try Friday 18 April, Good Friday, and finally use Friday 11th April.

ATTACHMENT 4 – NET SYSTEM PROFILE METHODOLOGY

1. Profile Preparation Service (PPS)

1.1. Calculation of the NSL

AEMO must calculate the net system load (***NSL***) for each *distribution region* in accordance with this clause 1 of this Attachment.

For each *distribution region*, the *NSL* for each *gas day* is derived from the total energy entering the *distribution region* (***ET***) less the total energy leaving the *distribution region* (***EL***) and less the sum of all *interval metered* energy withdrawn at a *distribution supply point* within the *distribution region* (***EI***). The *NSL* for a *gas day* can be represented by the following formula:

$$NSL_{i,D} = ET_{i,D} - EL_{i,D} - \sum EI_{i,D}$$

Where:

- $NSL_{i,D}$ is the *NSL* for *distribution region* D for *gas day* i;
- $ET_{i,D}$ is the total energy entering *distribution region* D during *gas day* i;
- $EL_{i,D}$ is the total energy leaving *distribution region* D during *gas day* i; and
- $EI_{i,D}$ is the *interval metered* energy withdrawn at a *distribution supply point* within *distribution region* D during *gas day* i;

1.2. Updating the NSL

1.2.1 The *NSL* is subject to changes as a result of revisions to either *custody transfer point* data or *interval meter* data.

1.2.2 The estimation and substitution rules developed by the *Distributor* under their *meter measurement scheme* will be applied to estimate missing *interval meter* data. That data will be replaced with actual values available at a later date in accordance with clause 1.2.3 of this Attachment.

1.2.3 *AEMO* must calculate the *NSL* for each *distribution region* for each *gas day* using revised or additional information provided or available to it in accordance with the following timeframe:

(a) for daily reporting – no later than one day after the *gas day*;

(b) for non-daily reporting – no later than each date on which *AEMO* must publish *balancing amounts* for the *gas day* under clause 6.7.2(a) or (b) of these *Procedures* and each date on which *AEMO* must determine *STTM distribution system allocations* for the *gas day* under clause 6.10.2(c) or (d) of these *Procedures*;

(c) for revision reporting – on the last *settlement business day* of the month nine months after the end of the month in which the *gas day* occurred; and

(d) for ad hoc revision reporting – as required following notification by *Distributor* within 12 months after the end of the month in which the *gas day* occurred that a revision of *custody transfer point data* or *interval meter data* is required.

2. Basic Meter Profiler (BMP)

2.1. Data for apportionment

The *consumed* energy data required by *AEMO* for the purpose of applying the *NSL* is provided to *AEMO* in accordance with clauses 2.6.2(b) and 2.6.3 of these *Procedures*. *AEMO* must apply the validation rules described in the *AEMO Consumed Energy Scenarios (Queensland*), as *published* on the *AEMO* website, to the *consumed energy* data delivered to *AEMO* by the *Distributors*.

2.2. Load Apportionment Using the NSL

2.2.1 *AEMO* must apply the *NSL* prepared in accordance with clause 1 of this Attachment to each *basic meter* for a *second tier supply point*, for which a *validated meter reading* is available, in accordance with this clause 2.2 of this Attachment. The aim of applying the *NSL* is to apportion the *consumed energy* for each such *meter* to each *gas day* in the *reading period*.

2.2.2 The load apportionment factor is the ratio of the *NSL* for the relevant *gas day* to the total *NSL* for the corresponding *reading period* as represented by the following formula:

$$LAF_d = \frac{NSL_d}{\sum NSL}$$

Where:

- LAF_d is the load apportionment factor for *gas day* d;
- NSL_d is the *NSL* for *gas day* d; and
- ΣNSL is the sum of the *NSL* for each *gas day* in the *reading period*.

2.2.3 The load apportionment factor for a *gas day* is applied to the *consumed energy* for a *reading* period for a *basic meter* to estimate the *consumed energy* for a *gas day* for that *basic meter* as follows:

$$\textit{Consumed energy}_{d,j} = \text{accumulated } \textit{consumed energy}_j \times LAF_d$$

Where:

- *consumed energy*$_{d,j}$ is the *consumed energy* for *basic meter* j for a *second tier supply point* for *gas day* d;
- accumulated *consumed energy*$_j$ is the *consumed energy* for the *reading period* for *basic meter* j; and
- LAF_d is the load apportionment factor for *gas day* d.

2.2.4 If a *validated meter reading* is not available, the *consumed energy* for a *basic meter* for a *second tier supply point* will be calculated in accordance with clause 2.3 of this Attachment.

2.3. Calculating Daily Load when Meter Readings are not available

2.3.1 Where a *meter reading* is not available, *AEMO* must estimate the *consumed energy* for a *basic meter* for a *second tier supply point* based on the weather measured in *effective*

degree day and the *base load* and *temperature sensitivity factor* provided to *AEMO* by *Distributors* under clauses 2.8.1(c) and 2.8.1(d) of these *Procedures* as follows:

$$\textit{Consumed energy}_{d,j} = BL_j + (TSF_j \times EDD_d)$$

Where:

- *consumed energy*$_{d,j}$ is the estimated *consumed energy* for *basic meter* j for a *second tier supply point* on *gas day* d;
- BL_j is the *base load* for *basic meter* j;
- TSF_j is the *temperature sensitivity factor* for *basic meter* j and is zero; and
- EDD_d is the *effective degree days* for *gas day* d and is zero.

2.3.2 When a *validated meter reading* for the *basic meter* becomes available, the *consumed energy* based on the *validated meter reading* will supersede the *consumed energy* estimated in accordance with this clause 2.3 of this Attachment.

2.3.3 Where the sum of the allocated *consumed energy,* supplied by the *Distributors*, and the *generated consumed energy,* as calculated by *AEMO*, is greater than the *NSL* for a *gas day, AEMO* will proportionately scale down the *generated consumed energy* to no less than zero such that the addition of the *generated consumed energy* to the allocated *consumed energy* does not cause the total energy to be profiled to exceed the *NSL* for that *gas day*.

2.4. Timeframe for BMP Calculations

2.4.1 The majority of *meter readings* for *basic meters read* on any *gas day* will not be available until three *business days* after the *gas day* and hence the estimation method specified in clause 2.3 of this Attachment must be used by *AEMO* to calculate *consumed energy* for each *gas day* for *basic meters* for *second tier supply points*.

2.4.2 *AEMO* must calculate the aggregate *consumed energy* for each *second tier supply point* for each *gas day* using revised or additional information provided or available to it in accordance with the following timeframes:

(a) for daily reporting – no later than one day after the *gas day*;

(b) for non-daily reporting – no later than the date on which *AEMO* must publish *balancing amounts* for the *gas day* under clause 6.7.2(a) or (b) of these *Procedures* and each date on which *AEMO* must determine *STTM distribution system allocations* for the *gas day* under clause 6.10.2(c) or (d) of these *Procedures* for the *gas day* for the *withdrawal zone* and *distribution region* in which the *second tier supply point* is located;

(c) for monthly revision reporting – on the last *settlement business day* of the month nine months after the end of the month in which the *gas day* occurred; and

(d) for ad hoc revision reporting – as required following notification by *Distributor* within 12 months after the end of the month in which the *gas day* occurred that a revision of *custody transfer point data* or *interval meter data* is required.

2.4.3 *AEMO* must use the most up to date *NSL* each time it performs the calculations referred to in clauses 2.2 and 2.4.2 of this Attachment.

2.5. Base Load & Temperature Sensitivity Factor

2.5.1 Each *Distributor* must determine the *base load* and *temperature sensitivity factor* for all *distribution supply points* in its *distribution region* that are *basic meters* in according with this clause 2.5 of this Attachment.

2.5.2 Where a *distribution supply point* that is a *basic meter* has at least 6 months consumption history during the preceding 12 months the *base load* will be determined as follows:

$$BL_j = \frac{\sum_{r=1}^{r=P_j} CE_{j,r}}{\sum_{r=1}^{r=P_j} RP_{j,r}}$$

Where:

- BL_j is the *base load* for *distribution supply point* j;
- j is a *distribution supply point* that is a *basic meter* and has a consumption history at least 6 months in the preceding 12 months;
- r is a *reading period* for *distribution supply point* j in the preceding 12 months;
- Pj is the number of *reading period*s for *distribution supply point* j in the preceding 12 months;
- CEj,r is the *consumed energy* in *MJ* for *distribution supply point* j for *reading period* r; and
- RPj,r is the days in *reading period* r for *distribution supply point* j.

2.5.3 Where a *distribution supply point* that is a *basic meter* has less than 6 months consumption history during the preceding 12 months the *base load* will be determined as follows:

(a) A *Distributor* must use the *Customer characterisation* provided to the *Distributor* for that *distribution supply point* pursuant to clauses 2.8.1(a) of these *Procedures* to determine the appropriate average *base load* to apply to that *distribution supply point*:

$$BL_j = BL_c$$

Where:

- BL_j is the *base load* for *distribution supply point* j; and
- BL_c is the average *base load* for all *distribution supply points* that are *basic meter*s and have *Customer characterisation* c.

(b) The Customer *characterisations* used in Queensland are:

	Customer Characterisation Code
Residential	**R1**

Business	**B1**

(c) A *Distributor* must determine the average *base load* for each *Customer characterisation* as follows:

$$BL_c = \frac{\sum_{j=1}^{N_c} ADCE_j}{N_c}$$

Where:

- BL_c is the average *base load* for all *distribution supply points* that are *basic meters* and have *Customer characterisation* c;
- j is a *distribution supply point* that is a *basic meter* with *Customer characterisation* c and a consumption history at least 6 months in the preceding 12 months;
- Nc is the number of *distribution supply points* with *Customer characterisation* c and consumption history of at least 6 months in the preceding 12 months; and
- ADCEj is the average daily *consumed energy* for *distribution supply point* j determined as follows:

$$ADCE_j = \frac{\sum_{r=1}^{r=P_j} CE_{j,r}}{\sum_{r=1}^{r=P_j} RP_{j,r}}$$

Where:

- r is a *reading period* for *distribution supply point* j in preceding 12 months;
- Pj is the number of *reading periods* for *distribution supply point* j in preceding 12 months;
- CEj,r is the *consumed energy* in *MJ* for *distribution supply point* j for *reading period* r; and
- RPj,r is the days in *reading period* r for *distribution supply point* j.

2.5.4 The *temperature sensitivity factor* applies a weather impact to the *base load* by reference to the *effective degree day* for each day in the *reading period*. In Queensland, the *temperature sensitivity factor* is zero.

3. Effective Degree Day

The *effective degree day* is required for the calculation of the *temperature sensitivity factor*. The *effective degree day* is used to measure coldness which is directly related to *gas* demand for area heating. The *effective degree day* is a composite measure of weather coldness incorporating the effect of temperature, wind, sunshine and day of the year.

In Queensland, the *effective degree day* is zero.

End.