INITIAL CONSULTATION – PARTICIPANT RESPONSE PACK

METROLOGY PROCEDURE:

Part A National Electricity Market Version 5.30

Part B: Metering Data Validation, Substitution and Estimation Procedure for Metering Types 1 – 7 Version 5.30

Participant: *Ausgrid*

Completion Date: *24/10/2014*

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1. Proposed Changes

This section lists the changes proposed by participants or by AEMO since the last completed consultation of the Metrology Procedure.

- Section 1A covers the proposed changes for the Metrology Procedure: Part A Version 5.30
- Section 1B covers the proposed changes for the Metrology Procedure: Part B Version 5.30

NOTE: All proposed additions to the Metrology Procedures are highlighted in red colour text and are underlined. All proposed deletions from the Metrology Procedures are highlighted in red strike through text. Example: Reference.

Please include your comments in the 'Participant Comment' column below.

A. Proposed Changes to Metrology Procedure: Part A

Item	Description	Comments
1	**PROPOSED/ REQUESTED CHANGES**	
1.1	**Align version numbering** Align version number of Metrology Procedure: Part A with that for Part B to Version 5.30.	Agreed
1.2	**Clause 2.4.26** Correct clause reference to 2.2.24, i.e. change 2.4.23 to 2.4.24.	Agreed
1.3	**3.3.3(d)** Italicise *calculated metering data*.	Agreed
1.4	**Clause 3.9.4** Correct clause reference to 3.9.1, i.e. change 3.10.1 to 3.9.1.	Agreed
1.5	**Effective Date of the Metrology Procedure: Part A** The proposed effective date of the Metrology Procedure: Part A is 24 April 2015.	Agreed

B. Proposed Changes to Metrology Procedure: Part B

Item	Description	Comments
1	**PROPOSED/ REQUESTED CHANGES**	
1.1	**Type 65 Substitution** Table 1.8 Change "Type 65 EST" to "Type 65 SUB or EST".	Agreed
1.2	**Type 65 Substitution** Clause 4.2.7 The *Metering Data Provider* may use type 65 *substitution* or forward *estimation* ~~type 65~~ only when the *metering data* from the same, or similar, *meter* reading period last year or the *metering data* from the previous *meter* reading period is not available (i.e. when type 61 and type 62 *substitution* or forward *estimation* methods cannot be used).	Should read:- The *Metering Data Provider* may use **a** type 65 *substitution* **or a type 65 forward** *estimation* ~~type 65~~ only when the *metering data* from the same, or similar, *meter* reading period last year or the *metering data* from the previous *meter* reading period is not available (i.e. when type 61 and type 62 *substitution* or forward *estimation* methods cannot be used).
1.3	**Type 65 Substitution** 4.2.9(a) *Substitutions* may be type 61, 62, 63, 64, 65, 66, 67 or 68.	Agreed

1.4	**Type 65 Substitution and replace "meter reading" with "energy consumption"**
	4.3.5
	
	    Type 65 – ~~Forward Estimation by~~ ADL Method
	
	        The *Metering Data Provider* must provide a *substitution* or forward *estimation* of the ~~*meter* reading~~ *energy* consumption in accordance with the following formula:
	
	~~**Meter Reading**~~ ***Energy* Consumption** = *Average Daily Load* ∗ **number of days**
		Agreed

Item	Description	Comments
	required.	
1.5	**Replace "meter reading" with "energy consumption"** 4.3.1 **Type 61 - Previous Year Method (Average Daily Consumption method)** *The Metering Data Provider* must provide a *substitution* or forward *estimation* of the ~~meter reading~~ *energy* consumption as per the following formula: ~~**Meter Reading**~~ ***Energy*** **Consumption = ADC$_{LY}$** ∗ **number of days required** **where** ADC$_{LY}$ = average daily consumption from the same or similar *meter* reading period last year.	Agreed
1.6	**Replace "meter reading" with "energy consumption"** **4.3.2 Type 62 - Previous Meter Reading Method (Average Daily Consumption Method)** The *Metering Data Provider* must provide a *substitution* or forward *estimation* of the ~~meter reading~~ *energy* consumption as per the following formula: ~~**Meter Reading**~~ ***Energy*** **Consumption = ADC$_{PP}$** ∗ **number of days required.** **where** ADC$_{PP}$ = average daily consumption from the previous *meter* reading period.	Agreed
1.7	**Replace "meter reading" with "energy consumption"** 4.3.3	Agreed

Item	Description	Comments
	Type 63 Customer Class Method The *Metering Data Provider* must provide a *substitution* or forward *estimation of* the ~~meter reading~~ *energy* consumption as per the following formula: **~~Meter Reading~~ *Energy* Consumption = ADC$_{CC}$ ∗ number of days required** **where** ADC$_{CC}$ = average daily consumption for this customer class with the same type of usage.	
1.8	**Correction** 14.3.3(a)(v) – change "shall" to "must" to be consistent with 14.4.3(a)(iii). If a device is shared with another *NMI*, the proportion of *load* that is agreed by affected *Registered Participants* to be attributable to that *NMI* (k). Each k factor will be less than 1. The sum of the k factors for a shared device across each respective *NMI* ~~shall~~ must be equal to 1,	Mention should be made of the fact that where a device is <u>not</u> shared, the k factor must be equal to 1.
1.9	**Correction** 14.3.3(b) – clarify apportioning of shared devices. Each device in the *inventory table* is a unique combination of physical hardware, time control classification and shared portion, for example, if a device is shared with another *NMI*, the individual portion(s) of the device(s) must be included in the *inventory table* as a separate device type.	Should read:- Each device in the *inventory table* is a unique combination of physical hardware, time control classification and shared portion. **For example**, if a device is shared with another *NMI*, the individual portions of the device(s) must be included in the *inventory table* as a separate device type **on each NMI**.
1.10	**Correction** 14.3.5(b) – use *Rules* defined term *Eastern Standard Time.* The *responsible person* must ensure that the appropriate sunset times and sunrise times are obtained from the Australian Government Geoscience website	Agreed

Item	Description	Comments
	(www.ga.gov.au/geodesy/astro/sunrise.jsp), based on the longitude and latitude of the relevant town as specified below, and ~~Australian Eastern Time~~ *Eastern Standard Time*:	
1.11	**Correction** 14.3.5(b) – change "SP AusNet" to "AusNet Services" in latitude/longitude table to reflect entity name change.	Agreed
1.12	**Correction** 14.3.4(b) – clarify apportioning of shared devices Each device in the *inventory table* is a unique combination of physical hardware, time control classification and shared portion, for example, if a device is shared with another *NMI*, the individual portion(s) of the device(s) must be included in the *inventory table* as a separate device type.	Clause does not exist – Should be 14.4.3(b). Should read:- Each device in the *inventory table* is a unique combination of physical hardware, time control classification and shared portion. **For example**, if a device is shared with another *NMI*, the individual portions of the device(s) must be included in the *inventory table* as a separate device type **on each NMI**. Same as 14.3.3(b).
1.13	**Insert new section 14.6 – Traffic signal dimming** New section 14.6 added to Metrology Procedure: Part B facilitate the calculation of metering data for traffic signals operating in dimmed mode – refer to change marked version of Metrology procedure: Part B included with consultation document package.	Clause 14.6.1 Should read:- ….metering data is **not** based on an annual energy consumption. Clause 14.6.2:- There is no k factor associated with traffic signals.

Item	Description	Comments
		Clause 14.6.3 (a) (v):- There is no k factor associated with traffic signals. Clause 14.6.3 (b):- There is no k factor associated with traffic signals.
1.14	**Effective Date of the Metrology Procedure: Part B** The proposed effective date of the Metrology Procedure: Part B is 24 April 2015. **Effective Date for Clause 14.6:** Proposed effective date for new clause 14.6 is I July 2015.	Agreed

2. Other Issues Related to Consultation Subject Matter

This section lists the changes proposed by respondents that are related to the subject matter of the consultation.

A. Other Consultation Related Issues – Metrology Procedure: Part A

Clause	Issue/Comment	Proposed Text	Rating (H/M/L)	AEMO Comments

B. Other Consultation Related Issues – Metrology Procedure: Part B

Clause	Issue/Comment	Proposed Text	Rating (H/M/L)	AEMO Comments