



EnergyAustralia

# 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:*** EnergyAustralia

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

**B. Proposed Changes to Metrology Procedure: Part B**

Item	Description	Comments
1	<b>PROPOSED/ REQUESTED CHANGES</b>	
1.1	<p><b>Type 65 Substitution</b>                      Table 1.8                      Change “Type 65 EST” to “Type 65 SUB or EST”.</p>	<p>EnergyAustralia endorsed this change however notes that the development of the ADL paper by AEMO is now well over a year in progressing to allow industry to understand how the ADL is used and the interrelation to various other factors in industry such as CTC, x/y values, NMI Class etc.                      EnergyAustralia continues to request this paper is developed and shared with industry.</p>
1.2	<p><b>Type 65 Substitution</b>                      Clause 4.2.7                      The <i>Metering Data Provider</i> may use type <b>65 substitution</b> or forward estimation <del>type 65</del> only when the <i>metering data</i> from the same, or similar, <i>meter</i> reading period last year or the <i>metering data</i> from the previous <i>meter</i> reading period is not available (i.e. when type 61 and type 62 <b>substitution</b> or forward estimation methods cannot be used).</p>	<p>As per 1.1</p>
1.3	<p><b>Type 65 Substitution</b>                      4.2.9(a)                      Substitutions may be type 61, 62, 63, 64, <b>65</b>, 66, 67 or 68.</p>	<p>As per 1.1</p>
1.4	<p><b>Type 65 Substitution and replace “meter reading” with “energy consumption”</b>                      4.3.5  <b>Type 65 – <del>Forward Estimation by ADL Method</del></b>                      The <i>Metering Data Provider</i> must provide a <b>substitution</b> or forward estimation of the <del>meter reading</del> <b>energy consumption</b> in accordance with the</p>	<p>As per 1.1</p>

Item	Description	Comments
	<p>following formula:</p> <p><del>Meter Reading</del> <b>Energy Consumption = Average Daily Load * number of days required.</b></p>	
1.5	<p><b>Replace “meter reading” with “energy consumption”</b> 4.3.1</p> <p><b>Type 61 - Previous Year Method (Average Daily Consumption method)</b></p> <p>The <i>Metering Data Provider</i> must provide a <i>substitution</i> or <i>forward estimation</i> of the <del>meter reading</del> <b>energy consumption</b> as per the following formula:</p> <p style="text-align: center;"><del>Meter Reading</del> <b>Energy Consumption =</b> <b>ADC<sub>LY</sub> * number of days required</b></p> <p style="text-align: center;"><b>where</b></p> <p>ADC<sub>LY</sub> = average daily consumption from the same or similar <i>meter</i> reading period last year.</p>	
1.6	<p><b>Replace “meter reading” with “energy consumption”</b></p> <p><b>4.3.2 Type 62 - Previous Meter Reading Method (Average Daily Consumption Method)</b></p> <p>The <i>Metering Data Provider</i> must provide a <i>substitution</i> or <i>forward estimation</i> of the <del>meter reading</del> <b>energy consumption</b> as per the following formula:</p> <p style="text-align: center;"><del>Meter Reading</del> <b>Energy Consumption =</b> <b>ADC<sub>PP</sub> * number of days required.</b></p> <p style="text-align: center;"><b>where</b></p>	

Item	Description	Comments
	<p>ADC<sub>PP</sub> = average daily consumption from the previous <i>meter</i> reading period.</p>	
1.7	<p><b>Replace “meter reading” with “energy consumption”</b> 4.3.3</p> <p><b>Type 63 Customer Class Method</b></p> <p>The <i>Metering Data Provider</i> must provide a <i>substitution</i> or <i>forward estimation</i> of the <del>meter reading</del> <b>energy consumption</b> as per the following formula:</p> <p style="text-align: center;"><b>Meter Reading Energy Consumption =</b> <b>ADC<sub>CC</sub> * number of days required</b></p> <p style="text-align: center;"><b>where</b></p> <p>ADC<sub>CC</sub> = average daily consumption for this customer class with the same type of usage.</p>	
1.8	<p><b>Correction</b> 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 <i>NMI</i>, the proportion of <i>load</i> that is agreed by affected <i>Registered Participants</i> to be attributable to that <i>NMI</i> (k). Each k factor will be less than 1. The sum of the k factors for a shared device across each respective <i>NMI</i> <del>shall</del> <b>must</b> be equal to 1,</p>	
1.9	<p><b>Correction</b> 14.3.3(b) – clarify apportioning of shared devices. Each device in the <i>inventory table</i> is a unique combination of physical hardware, time control classification and shared portion, for example, if a device is shared with another <i>NMI</i>, the <b>individual portion(s) of the device(s)</b> must be included in the <i>inventory table</i> as a separate device type.</p>	

Item	Description	Comments
1.10	<p><b>Correction</b>            14.3.5(b) – use <i>Rules</i> defined term <i>Eastern Standard Time</i>.            The <i>responsible person</i> must ensure that the appropriate sunset times and sunrise times are obtained from the Australian Government Geoscience website (www.ga.gov.au/geodesy/astro/sunrise.jsp), based on the longitude and latitude of the relevant town as specified below, and <del>Australian Eastern Time</del> <i>Eastern Standard Time</i>:</p>	
1.11	<p><b>Correction</b>            14.3.5(b) – change “SP AusNet” to “AusNet Services” in latitude/longitude table to reflect entity name change.</p>	
1.12	<p><b>Correction</b>            14.3.4(b) – clarify apportioning of shared devices            Each device in the <i>inventory table</i> is a unique combination of physical hardware, time control classification and shared portion, for example, if a device is shared with another <i>NMI</i>, the <b>individual portion(s) of the device(s)</b> must be included in the <i>inventory table</i> as a separate device type.</p>	
1.13	<p><b>Insert new section 14.6 – Traffic signal dimming</b>            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.</p>	<p>EnergyAustralia questions how the calculation works if there is a dimmed traffic light in a tunnel that operates 24/7. Or the reverse where a traffic light is always full wattage.            EnergyAustralia questions why the extra section is needed, if the new traffic lights are in the load table correctly for both dimmed and full wattage the existing documentation for control unmetered loads is appropriate.</p>
1.14	<p><b>Effective Date of the Metrology Procedure: Part B</b>            The proposed effective date of the Metrology Procedure: Part B is 24 April 2015.   <b>Effective Date for Clause 14.6:</b></p>	<p>EnergyAustralia endorses this proposed effective date.</p>

Item	Description	Comments
	Proposed effective date for new clause 14.6 is 1 July 2015.	