

FIVE MINUTE SETTLEMENT – METERING PROCEDURE CHANGES (PACKAGE 1)

PROCEDURE CONSULTATION

SECOND STAGE PARTICIPANT RESPONSE TEMPLATE

Participant: Jemena

Submission Date: 28/02/2019

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1. Context

This template is to assist stakeholders in giving feedback about the changes detailed in the initial draft procedures associated with the 'Five-Minute Settlement Metering Procedure Changes – Package 1' consultation.

The changes being proposed are as a result of the Australian Energy Market Commission making a final rule to align operational dispatch and financial settlement at five minutes, starting 1 July 2021.

The Rule change requires the collection, storage and delivery of revenue metering data based on five-minute intervals for use in energy settlement, network and retail billing.

2. Metrology Procedure: Part A

Section	Description	Participant Comments
3.2	A type 4A or 5 metering installation must have an optical port that meets the AS 1284.10.2 or AS 62056.21 or a computer serial port to facilitate downloading of 90 days of interval energy data for each Data stream associated with the metering installation in 90 seconds or less.	Agree
3.5	Jurisdictional Update	N/A
3.9	The end of each TI must be on the hour (EST) and each continuous period of 5 minutes thereafter.	Agree

Section	Description	Participant Comments
6	Jurisdictional Update	Agree
7	Jurisdictional Update	Agree
9.3	Jurisdictional Update	N/A
12.2	Jurisdictional Update	Agree
12.4	Jurisdictional Update	Agree
12.5	To validate that all metering data stored in the metering data services database is consistent with the energy data stored in the metering installation or the Physical Inventory (as applicable),	Agree

3. Metrology Procedure: Part B

Section	Description	Participant Comments
2.3	Jurisdictional Update	Agree
2.4	Change to 'F' Metering Data Quality Flag	Agree

Section	Description	Participant Comments
2.6	Page number links replaced with section links	Agree
3.3.8	Change to Type 18 – Alternative wording	N/A
3.3.11	Addition of Type 21 - Five-minute Conversion No Historical Data	N/A
4.3.3	Changes to Type 53 - Revision of Substituted Metering Data	Agree
4.3.9	Addition of Type 59 – Five-minute Conversion No Historical Data	Agree
11.2.1	Update to section reference to Metrology Procedure: Part A	N/A
11.2.2	Update to section reference to Metrology Procedure: Part A	N/A
11.2.3	Update to section reference to Metrology Procedure: Part A	N/A
11.3.1	Update to section reference to Metrology Procedure: Part A 'Half hourly' reference updated to 'Interval'	N/A
11.3.2	Update to section reference to Metrology Procedure: Part A	N/A

Section	Description	Participant Comments
	Change end dates from '23:30' to '23:55'	
11.4	Update to section reference to Metrology Procedure: Part A 'Half hourly' reference in formulas updated to 'TI' 'Half hourly' reference updated to 'Five minute' Updates made to formulas	Agree
11.5	Update to section reference to Metrology Procedure: Part A Change end dates from '23:30' to '23:55'	Agree
11.6	Change end dates from '23:30' to '23:55'	Agree
12	New section added to detail the conversion of interval metering data, previous section 12, and following section numbering, have been changed due to this insertion	Agree
13.1.4	Update to section references	Agree
13.2.2	Update to section reference to Metrology Procedure: Part A	Agree

Section	Description	Participant Comments
13.2.4	Update to section references Update to formulas	Agree
13.2.5	Update to formulas	Agree
13.2.6	Update to section references Update to formulas	Agree
13.3	Update to section references	Agree
13.3.2	Update to section reference to Metrology Procedure: Part A	Agree
13.4	Update to section reference	Agree
13.5.2	Update to section reference to Metrology Procedure: Part A	Agree
13.5.4	Update to section reference Update to formulas	Agree
13.5.5	Update to formulas	Agree
14.1	Update to section reference	Agree
14.3	Update to section reference	Agree

4. Meter Data File Format (MDFF) Specification NEM12 & NEM13

Section	Description	Participant Comments
3.3.3	Included references to five-minute interval metering data	Noted
4.3	NMI data details record (200) - Added '5' to the Interval Length field Definition	<p>Noted</p> <p>Possible values allowed are 5,15 & 30.</p>
Appendix H	Section added to include five-minute meter data file example	<p>As per Appendix B, character length for UoM Type K.. is 15.4. Values supplied need to be 4 decimals or up to 4 decimals?</p> <p>If values supplied need to be 4 decimals then example provided in H.9 is incorrect.</p> <p>H.9 – 5 – minute interval metering data – Metering Installations with Remote Acquisition example</p> <p>Record 300 UoM values should be 1.1111 (instead of 1.111 displayed in the example). Record 300 next example UoM values should be 2.2222 (instead of 2.222). These values are aligned with Appendix B definition of 15.4 character length for K.. values</p> <p>How would AEMO handle zero consumption data? Would it be represented as 0 or 0.0000? If consumption value is 2.20, would it be represented as 2.2000?</p>

5. Retail Electricity Market Glossary and Framework

Section	Description	Participant Comments
2.6.3	Update to TI	
4.4.4	Removal of NEM12 & NEM13 File Clarifications	Why is file clarification removed from this section? Would it be covered in any other procedure?
5	Updates to various Glossary items	Noted

6. Meter Data Provision Procedure

Section	Description	Participant Comments
1.1	Changes to NER clause references and minor administrative updates	Agree
1.2.1	Various updates	Agree
1.2.2	Interpretation section removed from the document	Agree

Section	Description	Participant Comments
1.3	Retail Electricity Market Procedures – Glossary and Framework added as a related document	Noted
2.3	Update to section (d)	Agree
3.4	Removal of ‘single’	Agree
4.1	Change to character length	Noted

7. Other Issues Related to Consultation Subject Matter

Heading	Participant Comments
Profiling 15 and 30-minute meter reads to 5-minute trading intervals	<p>Jemena notes that existing fleet of Type 4, 4A, 5 & 6 meters that are already installed do not need to provide 5 minute data at the commencement date. AEMO will profile the data (15/30 min interval data & accumulated data for Type 6) from these meters to 5 min trading intervals.</p> <p>Controlled load Profile is not applicable to Victoria</p>

Heading	Participant Comments												
<p>Meter Data Delivery to AEMO</p>	<p>Jemena supports AEMO’s transition to MDFF for interval metering data.</p> <p>Jemena Query1-Can you confirm that earliest AEMO can accept meter data in MDFF format (NEM12 & NEM13) is Nov 2020 (includes non-5 min data) and last cut off is July 2021 (includes 5/15/30 min data)?</p> <p>Jemena Query2-If participant have moved to MDFF format, can participants revert to MDMF format during the transition period of Nov 2020 – Jul 2021?</p> <p>Jemena Query3-Can you confirm the retirement dates for MDMF for interval and basic meter data?</p> <hr/> <table border="0" style="width: 100%;"> <tr> <td style="width: 33%;">AEMO supports MDFF</td> <td style="width: 33%; text-align: center;">1 Nov 2020</td> <td style="width: 33%;">AEMO systems ca accept basic, 5/15/30-minute metering submitted via MDFF</td> </tr> <tr> <td></td> <td></td> <td>AEMO aggregates and 5/15-minute meter data to 30-minute for settlement</td> </tr> </table> <hr/> <table border="0" style="width: 100%;"> <tr> <td style="width: 33%;">MDMF interval meter data support retired</td> <td style="width: 33%; text-align: center;">1 July 2023</td> <td style="width: 33%;">AEMO no longer accepts interval meter data in MDMF format</td> </tr> </table> <hr/> <table border="0" style="width: 100%;"> <tr> <td style="width: 33%;">MDMF basic meter support retired</td> <td style="width: 33%; text-align: center;">TBC</td> <td style="width: 33%;">AEMO no longer accepts basic meter data in MDMF format</td> </tr> </table> <hr/>	AEMO supports MDFF	1 Nov 2020	AEMO systems ca accept basic, 5/15/30-minute metering submitted via MDFF			AEMO aggregates and 5/15-minute meter data to 30-minute for settlement	MDMF interval meter data support retired	1 July 2023	AEMO no longer accepts interval meter data in MDMF format	MDMF basic meter support retired	TBC	AEMO no longer accepts basic meter data in MDMF format
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<p>Draft Determination – Meter Data Granularity</p>	<p>Net data stream records to be progressively replaced by Register level data stream records in the CATS NMI Data Stream (CNDS) table, with the aim of having a sunset period for this transition to occur</p>												

Heading	Participant Comments
	<p>Jemena Query1-Sunset period duration?</p> <p>Jemena Query2-Would it be a bulk update for all meters or gradual update based on new meter installs, meter exchange, etc?</p>
<p>Draft Determination – Meter Data Exception Handling</p>	<p>AEMO to retain the existing MDM validation/response process (MDMR notification and RM11 reports), however, where any party identifies a meter data issue, that requires a new version or resend of meter data to be delivered, all recipients are to receive this information.</p> <p>Jemena notes that AEMO have reverted to current validation process as opposed to proposed validation process published in FIVE MINUTE SETTLEMENT – METERING PROCEDURE CHANGES (PACKAGE 1) released in Oct 2018</p>