

RETAIL ELECTRICITY MARKET PROCEDURES OCTOBER 2021 CONSULTATION

PROCEDURE CONSULTATION

FIRST STAGE PARTICIPANT RESPONSE TEMPLATE

Participant: Vector Metering

Submission Date: 15/11/2021

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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 Retail Electricity Market Procedures October 2021 consultation.

The changes being proposed are because of NER rule changes which have occurred requiring changes to AEMO’s Retail Electricity Market Procedures and the following proposed changes by proponents and AEMO to implement recommended process improvements.

2. Questions on proposed changes

Heading	Participant Comments
Does your organisation support the proposals contained in the Issues Paper? If not, please specify areas in which your organisation disputes AEMO’s assessment (include ICF reference number) of the proposal and include information that supports your rationale why you do not support AEMO’s assessment.	Yes
Are there better options to accommodate the change proposals that better achieve the required objectives? What are the pros and cons of these options? How would they be implemented?	-
What are the main challenges in adopting these proposed changes? How should these challenges be addressed?	Changes to MET A. 12.5 require MP’s to implement new processes to run a sample program for remotely read meters. The high volumes of remotely meters will result in large family sizes and corresponding sample sizes, therefore the current manual processes in place for manually read meters will need to be automated for remotely read meters so adequate time is required to allow these to be put in place.

Heading	Participant Comments
Do you have any further questions or comments in relation to the proposals described above?	
Does your organisation have any feedback / suggestions that closely relates to the scope or impacts this consultation, but the nature of the feedback / suggestion warrant further investigations / discussion? If so, please include your feedback / suggestions. Please note that this feedback will be reviewed by AEMO at a later date, therefore will not be used for this consultation. AEMO will complete a preliminary assessment of the feedback assess the feedback and it may then form part of another consultation or the annual prioritisation process.	No.

3. Feedback on proposed amendments

Document	Participant Comments
B2B E-Hub Participant Accreditation and Revocation Process (CIP_045 B2B E-Hub Participant Accreditation Procedure Clarification)	-
Consumer Administration and Transfer Solution (CATS) Procedure Principles and Obligation (MSATS Procedures: CATS) (CIP_050 NREG and GENERATR NMI Classifications)	-
Meter Data File Format Specification (MDFF) NEM12 & NEM13 (CIP_042 Reason Code)	-

Document	Participant Comments
Metrology Part A (CIP_046 Clarification of Clause 12.5, CIP_048 Reference to AS60044)	See below.
Standing Data for MSATS (Standing Data document) (CIP_049 Controlled Load Enumerations, CIP_053 GPS Coordinates Minimum Standard)	-

4. Feedback on consolidations

Document	Clause	Participant Comments
CATS		Support
WIGS		Support
Metrology Part A		Support
Metrology Part B		Support
MSATS Procedures: MDM Procedures		Support
NEM RoLR Processes Part A and Part B		Support
Retail Electricity Market Procedures – Glossary and Framework (Glossary and Framework)		Support
Standing Data document		Support

5. MDFF NEM12 & NEM13

Section	Description	Participant Comments
-	-	-

6. B2B E-Hub Participant Accreditation and Revocation Process

Section	Description	Participant Comments
-	-	-

7. Metrology Procedure: Part A - National Electricity Market (Metrology Procedure: Part A)

Section	Description	Participant Comments
12.5	Section title	While 12.5 section header has changed the first paragraph still refers to whole current manually read metering installations. It is still unclear if these obligations apply to all small customer metering or only manually read. Can AEMO please clarify if this requirement is for both remotely <i>and</i> manually read meters, or only manually read?

Section	Description	Participant Comments
		<p>12.5. Verification of Metering data for whole current <u>Manually Read Metering installations for small customers</u> and Type 7 Metering installations</p> <p>To facilitate the verification of <i>metering data</i> for whole current manually read metering installations and type 7 <i>metering installations</i>:</p> <ul style="list-style-type: none"> (a) Each MC must ensure that a Sample Test Plan is established and maintained in accordance with <i>Australian Standards</i> "AS 1199: Sampling procedures for inspection by attributes – Sampling schemes indexed by Acceptance Quality Limit (AQL) for lot-by-lot inspection". (b) Each MC must ensure that the Sample Test Plan is set at General Inspection Level II and initially selected to be a normal inspection sample size using an AQL of 1.5. (c) A test sample is deemed to have passed the verification test when the <i>metering data</i> stored in the <i>metering data services database</i> is consistent with the <i>energy data</i> stored in the <i>metering installation</i>. If the <i>metering data</i> stored in the <i>metering data services database</i> does not match the <i>energy data</i> stored in the <i>metering installation</i>, then the test sample is deemed to have failed the verification test and must be rectified. (d) Each MC must ensure the following steps are taken after each round of verification: <p style="text-align: right;">1 May 14 March 2022 Page 20 of 30</p>

8. Standing Data document

Section	Description	Participant Comments
Table 6	Connection configuration	The consultation issues paper reports that changes to clarify Connection Configuration were made to the Standing Data for MSATS document. This appears to be missing from the draft document. Table 6 refers to DLFs.

Section	Description	Participant Comments						
		<p>Proposal</p> <p>The ERCF also agreed to propose that:</p> <ul style="list-style-type: none"> • A note should be included to provide guidance to the field, which states that 'Information registered with a Greenfield NMI may be subject to change during the connection process', reflecting the fact that the phases available may change over time. • The 'Phase' value will refer to 'Phases to the NMI', rather than to the meter. <p>This Change will improve clarity within the market and operational efficiency.</p> <table border="1" data-bbox="1025 539 1677 644"> <thead> <tr> <th>Document</th> <th>Section</th> <th>Description</th> </tr> </thead> <tbody> <tr> <td>Standing Data for MSATS</td> <td>Table 6</td> <td>Statements added as set out above</td> </tr> </tbody> </table>	Document	Section	Description	Standing Data for MSATS	Table 6	Statements added as set out above
Document	Section	Description						
Standing Data for MSATS	Table 6	Statements added as set out above						
12	USE OF NMI SUFFIX TO POPULATE CATS_REGISTER_IDENTIFIER	This passage on page 71 appears to be out of date as it refers to Nett Datastreams for Interval data. Recommend a review.						

Section	Description	Participant Comments
		<p>further extended to describe Datastreams in MSATS, and numeric suffixes were developed to describe the data from type 6 metering installations.</p> <p>In MSATS, the NMI suffix is used in the CATS_NMI_DATA_STREAM table to describe the data as delivered to AEMO. For settlements purposes this data must be NET (Export from network, less import to network) and will be 'N' for an interval Datastream, or numeric for an Accumulation Meter.</p> <p>In MSATS release 2.0 a new table, CATS_REGISTER_IDENTIFIER, was introduced to link identifiers for the source meter register(s) to the Datastream suffix in the CATS_NMI_DATA_STREAM table. The purpose of the table is to enable the alignment of the data held in MSATS and the data being transferred between Participants in the B2B process.</p> <p>This link is achieved through the RegisterID (which describes the data source at the metering installation) and ElectricityDataStream/Suffix (which describes the NMI suffix to which the RegisterID contributes) data elements. This is a many-to-one relationship, i.e. there may be multiple RegisterID values for each ElectricityDataStream/Suffix value in the CATS_REGISTER_IDENTIFIER table.</p> <ul style="list-style-type: none"> The RegisterID identifies the measurement element and type of measurement for an Interval Meter, and identifies the location of a stored energy value in an Accumulation Meter. The ElectricityDataStream/Suffix value in the CATS_NMI_DATA_STREAM table identifies the Datastream registered in MSATS. For settlements purposes, Interval Meter Datastreams will be the NET suffix (format Nn) and for Accumulation Meter Datastreams the suffix value is numeric. MSATS requires data to be delivered against this suffix (if the Datastream is ACTIVE). MSATS does not validate the values entered in this field. The ElectricityDataStream/Suffix value in the CATS_REGISTER_IDENTIFIER table identifies the individual Datastream(s) contributing to the ElectricityDataStream/Suffix value in the CATS_NMI_DATA_STREAM table. For interval Datastreams, the suffix(es) will indicate the individual Datastream(s) contributing to the Nn Suffix value in the CATS_NMI_DATA_STREAM table where the DataStreamType is P or I (Refer section 14 for examples). For accumulation Datastreams the value will be numeric and will be identical to the related Suffix value in the CATS_NMI_DATA_STREAM table (refer section 13 for examples). The ElectricityDataStream/Suffix values used in the CATS_REGISTER_IDENTIFIER table are used to identify metering data contained in MDF Files (in the NMI Suffix field). The linkage between the RegisterID and ElectricityDataStream/Suffix exists because the ElectricityDataStream/Suffix data element is populated in the CATS_REGISTER_IDENTIFIER table. The RegisterID data element has no standard format; therefore, the MPB must determine the appropriate population of this field, e.g. it may be used to indicate the programming code of the register. <p>There is an inconsistent understanding across industry of the meaning of the terms 'register' and 'datastream'. Conventionally, to field metering personnel, a 'register' contains a single value, while a 'datastream' represents an array of time separated register values in chronological order.</p> <p>For Accumulation Meters, the RegisterID refers to the non-volatile storage of the cumulative energy register(s). The RegisterID will have identification with the displays of the meters, or identification of internal data stores.</p> <p>For Accumulation Meters, the ElectricityDataStream/Suffix data element in the CATS_REGISTER_IDENTIFIER table may have a many-to-one relationship with the</p> <p style="text-align: center;">01 OCTOBER 2011 May 2022 Page 71 of 93</p>

9. MSATS Procedures: MSATS Procedures: CATS

Section	Description	Participant Comments
4.4	NMI Classification	Table from MSATS 4.94 appears to be missing in this version

Section	Description	Participant Comments																																					
		<p>4.4. NMI Classification</p> <p>(a) The NMI Classification Codes 'LARGE' and 'SMALL' are used in these Procedures. They are parameters for defining Change Reason Codes, application timeframes and Objection Rules.</p> <p>(b) The NMI Classification Codes 'LARGE' and 'SMALL' are based on the total annual load of the NMI as per Table 4-D.</p> <p>Table 4-D – NMI Classification Codes</p> <table border="1"> <thead> <tr> <th data-bbox="1088 491 1308 523">Code Information</th> <th data-bbox="1308 491 1608 523">Description ⁽²⁾</th> <th data-bbox="1608 491 1823 523">Jurisdiction</th> </tr> </thead> <tbody> <tr> <td data-bbox="1088 523 1308 555">EPROFILE</td> <td data-bbox="1308 523 1608 555">External <i>profile</i> shape</td> <td data-bbox="1608 523 1823 555">All</td> </tr> <tr> <td data-bbox="1088 555 1308 587">GENERATR</td> <td data-bbox="1308 555 1608 587">Generator</td> <td data-bbox="1608 555 1823 587">All</td> </tr> <tr> <td data-bbox="1088 587 1308 619">INTERCON</td> <td data-bbox="1308 587 1608 619">Interconnector</td> <td data-bbox="1608 587 1823 619">All</td> </tr> <tr> <td data-bbox="1088 619 1205 810" rowspan="3">LARGE ⁽¹⁾</td> <td data-bbox="1205 619 1308 810" rowspan="3">Business Customer</td> <td data-bbox="1308 619 1608 708">>=100 MWh</td> <td data-bbox="1608 619 1823 708">Australian Capital Territory New South Wales Queensland</td> </tr> <tr> <td data-bbox="1308 708 1608 740">>=150 MWh</td> <td data-bbox="1608 708 1823 740">Tasmania</td> </tr> <tr> <td data-bbox="1308 740 1608 810">>=160 MWh</td> <td data-bbox="1608 740 1823 810">South Australia Victoria</td> </tr> <tr> <td data-bbox="1088 810 1308 842">SAMPLE</td> <td data-bbox="1308 810 1608 842">Sample Meter</td> <td data-bbox="1608 810 1823 842">All</td> </tr> <tr> <td data-bbox="1088 842 1205 1082" rowspan="3">SMALL ⁽¹⁾</td> <td data-bbox="1205 842 1308 1082" rowspan="3">Business Customer</td> <td data-bbox="1308 842 1608 932"><100 MWh</td> <td data-bbox="1608 842 1823 932">Australian Capital Territory New South Wales Queensland</td> </tr> <tr> <td data-bbox="1308 932 1608 963"><150MWh</td> <td data-bbox="1608 932 1823 963">Tasmania</td> </tr> <tr> <td data-bbox="1308 963 1608 1027"><160MWh</td> <td data-bbox="1608 963 1823 1027">South Australia Victoria</td> </tr> <tr> <td data-bbox="1205 1027 1308 1082">Residential Customer</td> <td data-bbox="1308 1027 1608 1082">Any MWh</td> <td data-bbox="1608 1027 1823 1082">All</td> </tr> <tr> <td data-bbox="1088 1082 1308 1129">WHOLESAL</td> <td data-bbox="1308 1082 1608 1129">Wholesale Transmission Node Identifier</td> <td data-bbox="1608 1082 1823 1129">All</td> </tr> </tbody> </table> <p>Note (1): These NMI Classification Codes: are used in the CATS Procedures; describe the customer consumption thresholds in the relevant Jurisdictions, for the purposes of metering in the NEM; are complemented by the Customer Classification Codes 'BUSINESS' and 'RESIDENTIAL', as noted in Table 4-E. This approach is consistent with the relevant definitions in the National Energy Retail Law.</p> <p>Note (2): See relevant Jurisdictional regulation for full details.</p>	Code Information	Description ⁽²⁾	Jurisdiction	EPROFILE	External <i>profile</i> shape	All	GENERATR	Generator	All	INTERCON	Interconnector	All	LARGE ⁽¹⁾	Business Customer	>=100 MWh	Australian Capital Territory New South Wales Queensland	>=150 MWh	Tasmania	>=160 MWh	South Australia Victoria	SAMPLE	Sample Meter	All	SMALL ⁽¹⁾	Business Customer	<100 MWh	Australian Capital Territory New South Wales Queensland	<150MWh	Tasmania	<160MWh	South Australia Victoria	Residential Customer	Any MWh	All	WHOLESAL	Wholesale Transmission Node Identifier	All
Code Information	Description ⁽²⁾	Jurisdiction																																					
EPROFILE	External <i>profile</i> shape	All																																					
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SAMPLE	Sample Meter	All																																					
SMALL ⁽¹⁾	Business Customer	<100 MWh	Australian Capital Territory New South Wales Queensland																																				
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		<160MWh	South Australia Victoria																																				
Residential Customer	Any MWh	All																																					
WHOLESAL	Wholesale Transmission Node Identifier	All																																					

10. MSATS Procedures: Procedure for the Management of Wholesale, Interconnector, Generator and Sample (WIGS) NMIS (MSATS Procedures: WIGS)

Section	Description	Participant Comments
-	-	No comments

11. Metrology Procedure: Part B - National Electricity Market (Metrology Procedure: Part B)

Section	Description	Participant Comments
-	-	No comments

12. MSATS Procedures: (Meter Data Management) MDM Procedures

Section	Description	Participant Comments
-	-	No comments

13. NEM RoLR Processes Part A and Part B

Section	Description	Participant Comments
-	-	No comments

14. Retail Electricity Market Procedures – Glossary and Framework (Glossary/Framework)

Section	Description	Participant Comments
-	-	No comments