

# METERING ICF PACKAGE

ISSUES PAPER

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## EXECUTIVE SUMMARY

The publication of this Issues Paper commences the first stage of the Rules consultation process conducted by AEMO under the National Electricity Rules (NER) to consider proposed amendments to the following:

- Meter Data File Format (MDFF) Specification NEM12 & NEM13.
- Metrology Procedure: Part A.
- Metrology Procedure: Part B.
- Market Settlements and Transfer Solution (MSATS) Procedures: CATS.
- National Electricity Market (NEM) RoLR Procedure Part A and Part B.
- Retail Electricity Market Procedures – Glossary and Framework.
- Service Level Procedure (SLP) Meter Provider Services.
- Standing Data for MSATS.

In summary, the key proposals involve changes to various metering procedures to implement recommended process improvements from proponents and AEMO.

AEMO invites stakeholders to suggest alternative options where they do not agree that AEMO's proposals would achieve the relevant objectives. AEMO also asks stakeholders to identify any unintended adverse consequences of the proposed changes.

Stakeholders are invited to submit written responses on the issues and questions identified in this paper by 5.00 pm (Melbourne time) on 11 September 2020, in accordance with the Notice of First Stage of Consultation published with this paper.



## CONTENTS

EXECUTIVE SUMMARY	<b>2</b>
1. STAKEHOLDER CONSULTATION PROCESS	<b>4</b>
2. BACKGROUND	<b>5</b>
2.1 NER requirements	5
2.2 Context for this consultation	5
2.2.1 Structure of AEMO's Retail Electricity Market Procedures	6
3. CHANGE PROPOSALS	<b>8</b>
3.1.1 Change Cancellation Timeframe for CR6800 (ICF_013)	8
3.1.2 Reinstate MC Objection of BadParty for Vic SMALL (ICF_016)	8
3.1.3 Verification of Metering Data for Meters with Remote Capabilities (ICF_019)	8
3.1.4 Changes to the terminology used in the Service Level Procedure Metering Provider Services and Metrology Procedure Part A to avoid confusion with the terms Validation vs Verifications (ICF_020)	9
3.1.5 Removal of End User Details from the Inventory Table (ICF_021)	10
3.1.6 Removal of 'N' Metering Data Quality Flag (ICF_025)	10
3.1.7 Average Daily Load at Datastream (ICF_027)	10
3.1.8 Remove Failed Retailer MSATS User Access (ICF_028)	11
3.1.9 Amend or Revert Definition of the Register ID Field in MSATS (ICF_029)	11
3.1.10 Definitions of Small and Large NMI Classification (ICF_031)	12
4. DRAFTING FOR PROPOSED CHANGES	<b>13</b>
5. METERING PROCEDURES	<b>14</b>
5.1 MSATS Procedures: CATS	14
5.2 MSATS Procedures: WIGS	14
5.3 Metrology Procedures: Part A	15
5.4 Metrology Procedures: Part B	15
5.5 Service Level Procedure Meter Provider Services	16
5.6 NEM RoLR Processes Part A and Part B	16
5.7 Meter Data File Format Specification	16
5.8 Standing Data for MSATS	17
5.9 Retail Electricity Market Procedures – Glossary and Framework	17
6. SUMMARY OF MATTERS FOR CONSULTATION	<b>18</b>
APPENDIX A - GLOSSARY	<b>19</b>



## 1. STAKEHOLDER CONSULTATION PROCESS

As required by the National Electricity Rules (NER), AEMO is consulting on amendments to several metering procedures in accordance with the Rules consultation process in Rule 8.9.

Note that there is a glossary of terms used in this Issues Paper at Appendix A.

AEMO's indicative timeline for this consultation is outlined below. Dates may be adjusted depending on the number and complexity of issues raised in submissions and any meetings with stakeholders.

Deliverable	Indicative date
Issues Paper published	6 August 2020
Submissions due on Issues Paper	11 September 2020
Draft Report published	9 October 2020
Submissions due on Draft Report	26 October 2020
Final Report published	7 December 2020

Prior to the submissions due date, stakeholders can request a meeting with AEMO to discuss the issues and proposed changes raised in this Issues Paper.



## 2. BACKGROUND

### 2.1 NER requirements

AEMO is responsible for the establishment and maintenance of metering procedures specified in Chapter 7 of the NER, except for procedures established and maintained under Rule 7.17.

The procedures authorised by AEMO under Chapter 7 must be established and maintained by AEMO in accordance with the Rules consultation procedures.

### 2.2 Context for this consultation

AEMO has been engaging and consulting and intends to continue to engage through the Electricity Retail Consultative Forum (ERCF) on AEMO's Retail Electricity Market Procedures. This Consultative Forum provides a platform for interested parties to raise issues and propose changes to AEMO's Retail Electricity Market Procedures. Over the course of 2019 and 2020, several issues have been raised by industry proponents and AEMO (Table 1). Proposed changes have been reviewed by the ERCF.

Details on the forums and groups specific to National Electricity Market (NEM) Electricity Retail processes and procedures are available on AEMO's website: <http://www.aemo.com.au/Stakeholder-Consultation/Industry-forums-and-working-groups>.

**Table 1 Proposed changes**

ID	Subject	Document changing
ICF_013	Change Cancellation Timeframe for CR6800	MSATS Procedures: CATS
ICF_016	Reinstate the MC Objection of "BadParty" for Victorian SMALL NMIs	MSATS Procedures: CATS
ICF_019	Verification of Metering Data for Meters with Remote Capabilities	Metrology Procedure: Part A
ICF_020	Changes to the clause 4.2 of the SLP to avoid confusion with the terms Validation vs Verifications	Service Level Procedure: MP
ICF_021	Removal of End User Details from the Inventory Table	Metrology Procedure: Part B
ICF_025	Removal of 'N' Metering Data Quality Flag	Metrology Procedure: Part B MDFF Specification NEM12 & NEM13
ICF_027	Average Daily Load at Datastream	Standing Data for MSATS Document; Retail Electricity Market Procedures – Glossary and Framework
ICF_028	Remove Failed Retailer MSATS User Access	NEM RoLR Processes
ICF_029	Amend or Revert Definition of the Register ID Field in MSATS	MSATS Procedures: CATS, WIGS, Standing Data for MSATS Document

## 2.2.1 Structure of AEMO's Retail Electricity Market Procedures

AEMO's Retail Electricity Market Procedures comprise several procedures that govern the operation of the retail market. In addition to the Retail Electricity Market Procedures, AEMO has published a number of supporting documents that explain or provide additional information to enable Participants to fulfil their obligations and procedures under the NER.

Figure 1 depicts the relationships between each of the Retail Electricity Market Procedures.

Figure 1 Retail Electricity Market Procedures

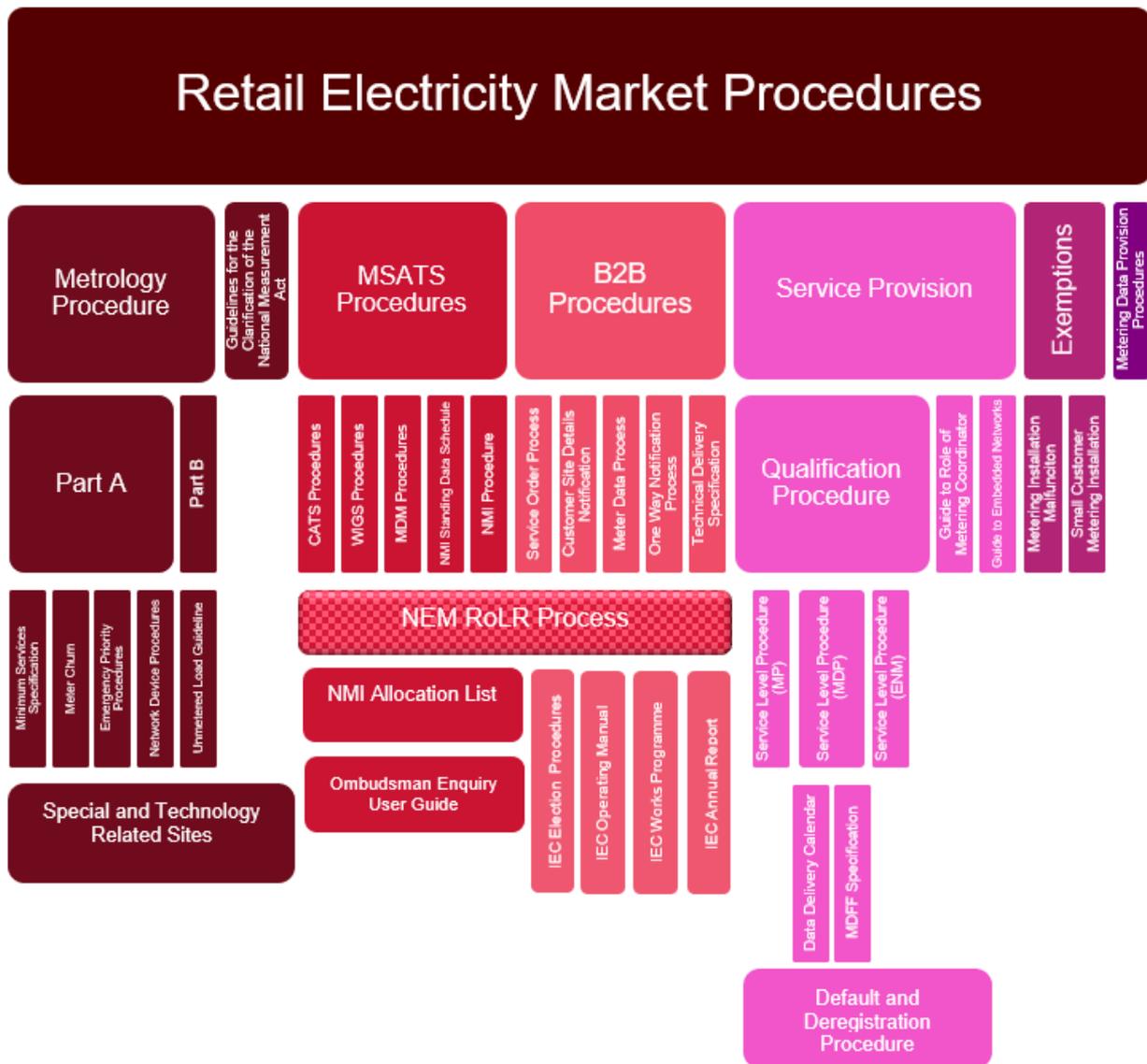
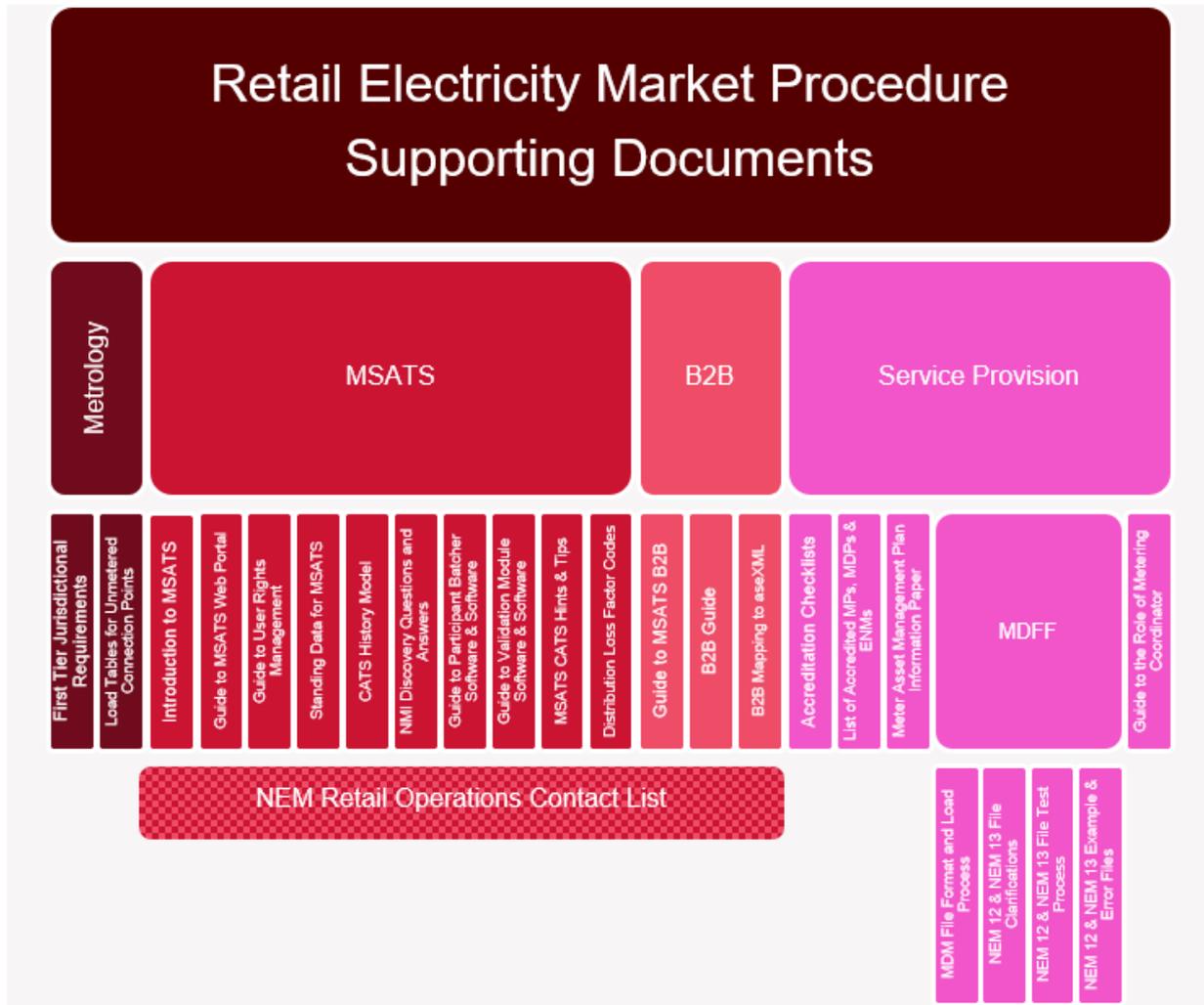


Figure 2 depicts how the Retail Electricity Market Supporting Documents link to the Procedures.



Figure 2 Supporting Documents





### 3. CHANGE PROPOSALS

Details of the change proposals on which this Issues Paper is based are provided in the following sections.

#### 3.1.1 Change Cancellation Timeframe for CR6800 (ICF\_013)

The proposed change involves updating MSATS's overnight process to increase the number of days to cancel an open Change Request (CR) 6800 (Multiple Changes) from 220 days to 730 days (2 years). This will require changes to the MSATS system as the open CR overnight cancellation process, which deletes all open CR's after 220 days, does not identify individual CR codes.

CR6800 is used to change multiple roles. Many CR6800s are cancelled before completion of End of Life (EOL) work. This creates re-work for retailers and Metering Coordinators (MCs). MCs often undertake the replacements when convenient (e.g. when the MC has a related job in the area), unless subject to the Financially Responsible Market Participant (FRMP)'s requested timelines, noting that EOL meter replacements (including failed meter families) have no associated regulatory time limits. As a result, since an EOL meter replacement will involve the generation of a CR6800, this request can remain pending for over 220 days in some instances.

An automatic nightly MSATS process cancels dormant CRs that exceed 220 days. This prevents MSATS from accumulating transactions that occupy storage in the system. However, with respect to CR6800 transactions specifically, this means that the 220 days automatic cancellation will cancel the EOL work order in the MC's systems which in turn cancels the service order back to the retailer. Essentially this places the MC in breach if they proceed to install.

#### 3.1.2 Reinstate MC Objection of BadParty for Vic SMALL (ICF\_016)

The proposed change reinstates BADPARTY objection code to allow the current MC to object to a change of Responsible Person (RP) role where the NMI classification is 'SMALL' for Victoria only.

Since implementation of the Power of Choice (PoC) program, current MC's have been unable to object to CR6300 (Change MC) change requests in MSATS. In Victoria, where metering contestability has not been introduced for small customers, the Local Network Service Providers (LNSPs) find contestable MCs raising change requests to update the RP role for National Metering Identifiers (NMIs) with a category of 'SMALL'. The Victorian LNSPs don't have a mechanism to object to this change even though their metering is installed on 'SMALL' sites in accordance with the Victorian metering derogation.

To reinstate the correct party as RP, the Victorian LNSPs must run regular reports, identify these mismatches and then correct the role or roles. In some instances, the metering has already been exchanged causing additional work for the contestable MC, the network MC and FRMPs to reinstate the correct metering, and inconvenience and interruptions for the customer.

#### 3.1.3 Verification of Metering Data for Meters with Remote Capabilities (ICF\_019)

AEMO received a change proposal relating to Metrology Procedure Part A Section 12.5 Verification of Metering Data. The proposal nominates inclusion of small customer metering installation (Type 4) and Victorian Type 5 Advanced Metering Installation (AMI) meters in the requirements for Section 12.5 (Metrology Procedure Part A). AEMO has reviewed the suggested changes and proposes to update the heading of section 12.5 with the words "Manually Read Metering Installation" to replace "types 4A, 5, 6". This change covers the metering installations that the section is intended to include, rather than creating uncertainty by using specific metering installation type codes. The change will also better align with the terminology used in Service Level Procedure Metering Provider (SLP MP) Services clause 4.2(b).

The change proposal covered two areas:



- i. which *metering installations* the section applies to; and
- ii. the mandatory requirements for specific sample testing methodology on Acceptance Quality Limit (AQL) and Inspection Level.

The change proposal suggested that the intention of this clause relates to meters with no remote communication capabilities. AEMO reviewed the change proposal and notes the change proposal seeks to clarify the obligation by adding “with no remote communication capabilities” to section 12.5’s heading.

AEMO does not intend to proceed with this suggested change as it will effectively exclude remotely read *small customer metering installations* from being sample validated. Remotely read *small customer metering installations* were included in Metrology Part A as part of the PoC metering competition changes. A *small customer metering installation* is a defined term in the NER which specifies that *metering installations* must meet the minimum services specifications of the NER (i.e. does not include Victorian AMI meters).

As Victorian AMI metering installations are not *small customer metering installations*, as defined by the NER, they are to be validated as per the requirements of Service Level Procedure Metering Provider (SLP MP) Services clause 4.2(a)(ii) (i.e. all of them on commissioning).

However, for point of clarification, AEMO will update section 12.5 with the words “Manually Read Metering Installation” to replace “types 4A, 5, 6”. This will also better align with terminology used in SLP MP Services clause 4.2(b).

The change proposal also highlighted that Metrology Procedure Part A Section 12.5 has mandatory requirements for specific sample testing methodology on Acceptance Quality Limit (AQL) and Inspection Level. The proposal requested the AQL and inspection level should be different, dependent on the type of communication solution. Further the proposal indicated that the MC be provided the flexibility to choose different AQL/Inspection levels.

AEMO does not intend to proceed with this suggested change given the prescriptive requirement for AQL was consulted on during 2019 with the majority of impacted participants accepting the proposed enhancement to the requirements. These requirements will remain as determined in 2019. The reason the AQL requirement was specified at the time of the 2019 review was driven from MC’s requesting guidance on what AQL was appropriate to apply to their sample testing methodology.

Further, Section 12.5 of the Metrology Procedure Part A sets out a sampling approach for validating metering data for metering installations that generally have a high volume for that type. If an MC believes it is more economical to validate all remotely read installations during commissioning for various business reasons (i.e. above and beyond the minimum) then AEMO will always endorse an MC’s strategy where it proposes more than the minimum requirements.

### **3.1.4 Changes to the terminology used in the Service Level Procedure Metering Provider Services and Metrology Procedure Part A to avoid confusion with the terms Validation vs Verifications (ICF\_020)**

AEMO has reviewed the usage of the terms ‘validation’ and ‘verification’ across the SLP MP Services and Metrology Procedure Part A. To eliminate confusion for the purpose of complying with Section 4.2 of the SLP MP Services, replaced ‘verified’ with ‘Validated’, ‘verify’ with ‘Validate’ and ‘verification’ with ‘Validation’ in Section 12.5 of Metrology Procedure Part A and Section 4.2 of the SLP MP. AEMO defines ‘Validated’ and ‘Validation’ in the Retail Electricity Market Procedures – Glossary and Framework.

AEMO received a change proposal highlighting the use of the terms ‘verification’ and ‘validation’ is confusing for the purpose of complying with clause 4.2 of the SLP MP Services.



The term 'verification' refers to a one-off task to be performed by a Metering Provider Category B (MPB). However, the term 'validation' is an ongoing task of validating the metering data and normally is undertaken by a Metering Data Provider (MDP).

The requirements for verification of data have been prescribed under Section 12.5 of Metrology Procedure Part A, which potentially results in affected MPBs and MDPs in misinterpretation of the intention of the clause.

### **3.1.5 Removal of End User Details from the Inventory Table (ICF\_021)**

The proposed change removes the requirement to maintain End User details in the Inventory Table. This is achieved by deleting the clauses 13.2.2.a.v, 13.3.2.a.iii and 13.5.2.a.v from the Metrology Procedure Part B.

The final determination of Metering Package 2 under the 5 Minute Settlement (5MS) Program updated clauses 13.2.2, 13.3.2 and 13.5.2 of the Metrology Procedure Part B to have End User details populated and maintained in the Inventory Table (and in the metering data services database due to clause 3.10.1.a of the MDP SLP). This was done at the request of retailers who wanted End User details to help cleanse historical inventory information for non-contestable unmetered loads.

LNSPs have identified that adding End User details into the Inventory Table would add an initial and ongoing cost for minimal benefit because clause 13.1.4 of the Metrology Procedure Part B requires each End User to have their own NMI. Therefore, whether a one NMI to one unmetered device model or the one NMI to many unmetered device models is adopted, each NMI will only be associated with one End User. In addition, since details of the End User are provided to the LNSP by the Retailer via the B2B Customer Detail Notification transaction, the Retailers will always know who the End User is for each NMI.

Retailers concern about the quality of historical inventory information for non-contestable unmetered loads could be addressed by LNSP and Retailers working together to cleanse this data.

### **3.1.6 Removal of 'N' Metering Data Quality Flag (ICF\_025)**

The proposed change removes the redundant flag 'N' from Section 2.4 of the Metrology Procedure Part B and Appendix C of the MDFF Specification NEM12 & NEM13.

A historic business process, which existed outside of the rules, made use of the Quality Flag of 'N' for meter churn scenarios where churn occurred over 20 days.

The new RPs Meter Data Provider would establish a meter prior to the initiation of a CR1000, the implication of which was that the party in MSATS wouldn't be related to the new meter. For the time before the new RP assumed the role in MSATS, the Meter Data Provider would send Meter Data (MTRD) transaction group MDFF reads with a Quality Flag of 'N'.

The Procedures were changed five years ago to tighten the churn scenario to prevent this business process from occurring.

The current Metrology Procedure Part B and the MDFF Specification NEM12 & NEM13 still refers to the Quality Flag of 'N', however, the Procedures provide no further details on how the Quality flag of 'N' can be used.

### **3.1.7 Average Daily Load at Datastream (ICF\_027)**

Questions have been raised about the inconsistent definition of Average Daily Load (ADL) through the ERCF and the 5MS Project. It is particularly important as interval meters have moved away from providing a net Datastream reads to register level Datastream reads, including generation Datastreams, to AEMO for settlements.



The definition of ADL in the Standing Data for MSATS Guideline is *'The energy delivered through a connection point or metering point over an extended period normalised to a "per day" basis (kWh)'*.

The definition of ADL provided in the Retail Electricity Market Procedures – Glossary and Framework is *'The net electricity delivered through a connection point over an extended period averaged to a daily amount'*.

This definition is inconsistent with the responsibilities outlined in the MSATS Procedures Consumer Administration and Transfer Solution (CATS), for example,

*'Recalculate the ADL for each active Datastream at least annually and enter this value in MSATS where the calculated value differs by more than 20% from the ADL recorded in MSATS. Where the current ADL is under 5 kilowatt hours (kWh) and the newly calculated ADL is found to be still less than 5kWh there is no requirement for the MDP to update the ADL record within MSATS'*.

The proposed change removes the inconsistency of the ADL definition through changes to the definition in the Standing Data for MSATS Guideline and the Retail Electricity Market Procedures – Glossary and Framework. The amended definition of ADL is *'The energy delivered or generation delivered via a datastream over an extended period normalised to a "per day" basis.'*

Further, during ERCF meetings, the decimal place length for the ADL was discussed. AEMO does not intend to increase the number of decimals available for ADL. AEMO notes that small loads or generation when divided into the appropriate intervals across the day (48 for 30 minute or 288 for 5 minute) will be of such a small amount that rounding has little-to-no impact on the value of the ADL used.

### **3.1.8 Remove Failed Retailer MSATS User Access (ICF\_028)**

To remove MSATS user access for a Failed Retailer, the proposed change in the NEM RoLR Process Part A, is to correct the reference to "Section 19" in Section 17.2 and replace with "Section 16", for consistency with Section 17.1. Also, add a process step in Section 17.2 to remove all MSATS user access for the Failed Retailer following completion of settlements revision 2 for the billing period in which the RoLR event occurred.

To ensure the NEM RoLR Process Part A reflects current business process, the change relates to correcting a section reference and formalising a process step that is currently undertaken for NEM Retailers of Last Resort (RoLR) in MSATS. Removal of MSATS user access for the Failed Retailer ensures security and integrity of NEM energy market systems is maintained.

### **3.1.9 Amend or Revert Definition of the Register ID Field in MSATS (ICF\_029)**

The proposed change removes the requirement for the Register ID to match the NMI Suffix in MSATS by reverting the Register ID field definition published in version 5 of the MSATS Standing Data Procedure to the previous Final version 4.4. The proposed new definition of RegisterID is *'The RegisterID is used to identify a data source that is obtained from the meter. A single meter may provide multiple data sources'*. The proposed change also requires MDPs to provide the relationship mapping logic for the Register ID to the datastream suffix in the MSATS Procedures CATS Section 2.4.

The 'Register ID' definition was changed as part of Metering Package 3 which consisted of administrative changes related to the 5MS/GS consultation. The updated definition was published in version 5.0 of the Standing Data for MSATS document (which becomes effective 1/5/2022). Ausgrid, AusNet Services and other Metering Service Providers (MSPs) have advised that they consider this change has no bearing or relationship to the 5MS/GS program. They also consider that updating the Register ID to match the NMI Suffix, results in increasing duplicated data sets within MSATS, which AEMO is actively trying to reduce through the MSATS Standing Review Consultation.

The new definition of the Register ID now requires affected MSPs to do the following:



- Re-program their meter fleet to reflect the values of the NMI Suffix, which already has its own distinct field in MSATS.
- Make system change to publish the Register ID to be equivalent to the NMI Suffix.
- Retrospectively update Register IDs for all their impacted meters (vast majority) in their internal asset databases.

Moreover, the former definition of the Register ID correlates to the current actual physical Register IDs programmed into the meters, which is shown on the meter's display as the customer scrolls through the registers.

AEMO notes under the 5MS changes, AEMO will now receive the MDFF files to use in settlement processes. To enable AEMO to utilise the MDFF files correctly under this proposed change, AEMO will require MDPs to provide the relationship mapping logic for the Register ID to the datastream suffix as part of reverting this definition.

### 3.1.10 Definitions of Small and Large NMI Classification (ICF\_031)

The proposal changes the MSATS procedures CATS, Table 4-D NMI Classification Codes to reflect the current jurisdictional requirements of Small and Large customers. This change will enable MCs to use the correct threshold when initiating change requests.

Metering Coordinators were incorrectly initiating change requests to appoint themselves as new MCs via change code requests 6300 and 6301, where the NMI classification code was SMALL. AEMO guided MCs to use Table 4-D NMI Classification Code of the MSATS Procedures to define the Average Daily Load (ADL) thresholds of Small and Large customers. Table 4-D, however, does not reflect the jurisdictional requirements of Small and Large customers. *Small customer* is defined in the NER as:

'(a) In a *participating jurisdiction* where the *National Energy Retail Law* applies as a law of that *participating jurisdiction*, has the meaning given in the *National Energy Retail Law*.

(b) Otherwise, has the meaning given in *jurisdictional electricity legislation*.'

While Small and Large customer is defined by the *National Energy Retail Law* (NERL), the thresholds are defined in the National Energy Retail Regulations. Provision is made for jurisdictions to apply their own thresholds accordingly.

#### Questions

- 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?



## 4. DRAFTING FOR PROPOSED CHANGES

To help stakeholders and other interested parties respond to this Issues Paper, AEMO has published a draft of the procedures included in this consultation incorporating the changes proposed by proponents and AEMO. Clean and change-marked versions are available at: <http://aemo.com.au/Stakeholder-Consultation>.

Procedures included in this consultation are:

- Meter Data File Format Specification NEM12 & NEM13.
- Metrology Procedure: Part A.
- Metrology Procedure: Part B.
- MSATS Procedures: CATS.
- NEM RoLR Procedure Part A and Part B.
- Retail Electricity Market Procedures – Glossary and Framework.
- Service Level Procedure Meter Provider Services.
- Standing Data for MSATS.

These procedures, and associated changes, are described in more detail in Section 5 of this document.



## 5. METERING PROCEDURES

This section provides further information regarding the changes proposed for each procedure under consultation.

### 5.1 MSATS Procedures: CATS

The MSATS Procedures are made in accordance with clause 7.16.2 of the NER and are published in two parts, namely:

- MSATS Procedures: Consumer Administration and Transfer Solution (CATS) Procedure Principles and Obligation.
- MSATS Procedures: Procedure for the Management of Wholesale, Interconnector, Generator and Sample (WIGS) NMIS.

The CATS Procedures:

- Facilitate and support an efficient process for the:
  - provision and maintenance of CATS Standing Data;
  - discovery of approved NMI Standing Data;
  - transfer of End Users between retailers;
  - registration of metering installations; and
  - settlements and the administration of NMIs.
- Define the roles and obligations of Participants and AEMO.

At a high level, the proposed changes to the MSATS CATS Procedure are as follows:

Section	Description
2.4(s)	Updated to include a new sub clause(s) for obligation on MDP to provide relationship mapping between Register ID and Datastream Suffix.
2.9(k)	Updated to include a different timeframe for cancelling an incomplete CR6800.
4.3 Table 4-C	Updated 'Description' for Code 'BADPARTY' for current MC to object to change of MC for SMALL NMI's only in Victoria.
4.4 Table 4-D	Updated to reflect the current jurisdictional requirements for Small and Large customers.
13.3.6 Table 13-H	New entry related to objection code 'BADPARTY' for CR6300 and CR6301.

### 5.2 MSATS Procedures: WIGS

The MSATS WIGS Procedures apply to wholesale, interconnector and generation connection points and sample data used in settlements.

There are no substantive changes to this procedure. Minor updates are proposed to align version numbering with MSATS CATS Procedures.



### 5.3 Metrology Procedures: Part A

The Metrology Procedure is made in accordance with clauses 7.16.3, 7.16.4 and 7.16.5 of the NER and it is published in two parts, namely:

- Metrology Procedure: Part A - National Electricity Market; and
- Metrology Procedure: Part B - Metering Data Validation, Substitution and Estimation Procedure.

NER Clause 7.16.3 prescribes the mandatory content, whereas NER clause 7.16.5 details additional matters that may be addressed in the metrology procedure. NER Clause 7.16.4 details the process by which AEMO may include jurisdictional metrology material in the metrology procedure, which only applies to type 5, 6 and 7 metering installations.

Metrology Procedure: Part A includes:

- Requirements for the provision, installation and maintenance of metering installations.
- Obligations on various market participants, including: Metering Coordinators, Financially Responsible Market Participants and Local Network Service Providers.
- Responsibilities for metering data services.
- Minimum services specification procedures.
- Meter churn procedures.
- Network devices procedures.
- Emergency priority procedures.

At a high level, the proposed changes to this procedure are as follows:

Section	Description
12.5	Update to replace 'verification' with 'Validation'.  Amend the section heading and introduction paragraph to better align with terminology used in SLP MP clause 4.2(b)

### 5.4 Metrology Procedures: Part B

Metrology Procedure: Part B includes:

- The validation and substitution of metering data.
- The estimation of metering data.
- The method by which accumulated metering data is converted by AEMO into trading interval metering data.
- Method by which calculated metering data is produced for unmetered market loads.
- Requirements regarding sample meters for controlled loads.

At a high level, the proposed changes to this procedure are as follows:

Section	Description
2.4	Update to remove 'N' Metering Data Quality Flag



13.2.2(a)(v)	Update to remove 'End User Details' from Inventory Table. Reverse 5MS/GS changes.
13.3.2(a)(iii)	Update to remove 'End User Details' from Inventory Table. Reverse 5MS/GS changes.
13.5.2(a)(v)	Update to remove 'End User Details' from Inventory Table. Reverse 5MS/GS changes.

## 5.5 Service Level Procedure Meter Provider Services

The Service Level Procedure (MP) details the obligations, technical requirements, measurement processes and performance requirements to be met by MPs in the provision, installation and maintenance of metering installations.

At a high level, the proposed changes to this procedure are as follows:

Section	Description
4.2(a)(iii) & (b)	Update to replace 'verification' with 'Validation'.
4.2(c)(ii) & (d)	Update to replace 'verify' with 'Validate'.
4.4	Update to replace 'verify' with 'confirm'.

## 5.6 NEM RoLR Processes Part A and Part B

Although the *RoLR Procedures* are prescribed under the NERL, they are, made up of obligations that form part of the *MSATS Procedures* and the *B2B Procedures*. This means that the RoLR obligations are made under clause 7.16.2 and clause 7.17.2(i) of the NER. AEMO has consolidated all requirements arising out of a RoLR Event into a document entitled: NEM RoLR Processes and for the purposes of clarity, delineates which parts are made under which part of the NER.

At a high level, the proposed changes to this procedure are as follows:

Section	Description
17.2(a)	Updated to change the section from 19 to 16.
17.2(b)	Updated to include 'AEMO must' in the sub clause.
17.2(c)	Include new sub clause to remove MSATS access for the Failed Retailer.

## 5.7 Meter Data File Format Specification

At a high level, the proposed changes to this procedure are as follows:

Section	Description
3.3.1(b)	Updated to remove the sub clause (b).



4.4	Updated to remove the text in Definition column related to Meter Data Quality Flag 'N' against the Field InternalValue1...InternalValueN  Updated to remove 'N' from Allowed Values against the Fields QualityMethod and ReasonCode  Updated to remove the text in Definition column related to Quality Flag 'N' against Field UpdateDateTime
4.5	Updated to remove 'N' from Allowed Values against the Fields QualityMethod and ReasonCode
Appendix C	Update to remove the row related to Quality flag 'N'.

## 5.8 Standing Data for MSATS

This document provides a detailed description of the data items populated in the MSATS *NMI Standing Data* tables and contains information on the type of data, a brief description of each data item and whether the input of that data is mandatory.

At a high level, the proposed changes to this procedure are as follows:

Section	Description
8.1	Amend the description of Average Daily Load in Table 15
9.1	Amend the description of RegisterID in Table 18

## 5.9 Retail Electricity Market Procedures – Glossary and Framework

This document is provided to assist users of the Retail Electricity Market Procedures in understanding the overall framework within which they operate and also contains a dictionary of terms used in the Retail Electricity Market Procedures.

At a high level, the proposed changes to this procedure are as follows:

Section	Description
5	Amend definition of the term Average Daily Load (ADL).



## 6. SUMMARY OF MATTERS FOR CONSULTATION

In summary, AEMO seeks comment and feedback on the changes to the NER subsequently requiring changes to AEMO's Retail Electricity Market Procedures and the following proposed changes:

ID	Subject	Document changing
ICF_013	Change Cancellation Timeframe for CR6800	MSATS Procedures: CATS
ICF_016	Reinstate MC Objection of BadParty for Victoria SMALL NMIs	MSATS Procedures: CATS
ICF_019	Verification of Metering Data for Meters with Remote Capabilities	Metrology Procedure: Part A
ICF_020	Changes to the clause 4.2 of the SLP to avoid confusion with the terms Validation vs Verifications	Service Level Procedure: MP
ICF_021	Removal of End User Details from the Inventory Table	Metrology Procedure: Part B
ICF_025	Removal of 'N' Metering Data Quality Flag	Metrology Procedure: Part B MDFF Specification NEM12 & NEM13
ICF_027	Average Daily Load at Datastream	Standing Data for MSATS Guideline; Retail Electricity Market Procedures – Glossary and Framework
ICF_028	Remove Failed Retailer MSATS User Access	NEM RoLR Processes
ICF_029	Amend or Revert Definition of the Register ID Field in MSATS	MSATS Procedures: CATS, WIGS, Standing Data for MSATS
ICF_031	Definitions of Small and Large NMI Classifications	MSATS Procedures: CATS

Submissions on these and any other matter relating to the proposal discussed in this Issues Paper must be made in accordance with the Notice of First Stage of Consultation published with this paper by 5.00 pm (Melbourne time) on 11 September 2020.



## APPENDIX A - GLOSSARY

Term or acronym	Meaning
AER	Australian Energy Regulator
AQL	Acceptance Quality Limit
CATS	Consumer Administration and Transfer Solution, a part of MSATS.
CR	Change Request
CT	Current Transformer
DLF	Distribution Loss Factor
EN	Embedded Network
ENM	Embedded Network Manager
FRMP	Financially Responsible Market Participant
ICF	Issue / Change Form
LNSP	Local Network Service Provider
MC	Metering Coordinator
MDP	Metering Data Provider
MP	Metering Provider
MPB	Metering Provider Category B
MSATS	Market Settlements and Transfer Solution
NEM	National Electricity Market
NER	The National Electricity Rules made under Part 7 of the National Electricity Law
NERL	National Energy Retail Law
NMI	National Metering Identifier
PoC	Power of Choice
RoLR	Retailer of Last Resort
RP	Responsible Person
SLP	Service Level Procedure
VT	Voltage Transformer
WIGS	Wholesale, Interconnector, Generator and Sample