

RETAIL ELECTRICITY MARKET PROCEDURES OCTOBER 2021 CONSULTATION

ISSUES PAPER

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EXECUTIVE SUMMARY

The publication of this Issues Paper commences the first stage of the Rules consultation process (Consultation) conducted by AEMO under the National Electricity Rules (NER) to consider changes (Changes) which are proposed (Proposals) to the following procedures (Procedures).

Firstly, these Proposals involve the implementation of process improvements which have been recommended by market proponents and AEMO.

Table 1 Summary of Change Proposals to Implement Process Improvements

Procedure	Type of Change	Change Proposal
B2B E-Hub Participant Accreditation and Revocation Process (B2B Process)	Amendment	CIP_045 B2B Accreditation Procedure Clarification
MSATS Procedures: Consumer Administration and Transfer Solution Procedure Principles and Obligation (CATS Procedure)	Amendment	CIP_050 NREG and GENERATR NMI Classifications.
MSATS Procedures: Procedure for the Management of Wholesale, Interconnector, Generator And Sample NMIs (WIGS Procedure)	Amendment	WIGS Clarification
Meter Data File Format (MDFF) Specification NEM12 & NEM13 (MDFF Specification)	Amendment	CIP_042 Reason Codes
Metrology Procedure: Part A (Metrology Procedure Part A)	Amendment	CIP_046 Clarification of Metrology Part A Clause 12.5. CIP_048 Reference to AS60044.
Standing Data for MSATS (Standing Data document)	Amendment	CIP_049 Controlled Load Enumerations. CIP_053 GPS Coordinates Minimum Requirements. Connection configuration clarification.

Secondly, these Proposals involve the consolidation of previously-consulted versions of the Procedures effective 1 May 2021. These Procedures changes have already been the subject of formal consultations. Accordingly, AEMO is not requesting comment on these Procedures, other than to rectify any potential consolidation errors. Text that has been removed or reformatted and links that have been updated have not been noted in this Issues Paper, as these changes have already been consulted on and do not require feedback.

A summary of the Procedures to be consolidated is included in the following table. The details are in the Version History Tables which are available on the AEMO webpage [here](#). A summary of the Procedures being consolidated is as follows.

**Table 2 Summary of Change Proposals to Consolidate Previously-Consulted Versions of Procedures**

Procedure Name	Version being built on	Versions being consolidated	Version published with consultation
CATS Procedure	4.921	4.93 4.94 4.95 5.0	5.1
WIGS Procedure	4.921	4.93 4.94 4.95 5.0	5.1
Standing Data for MSATS document	4.52	4.6 5.0 5.1	5.11
Metrology Procedure Part A	7.01	7.1 7.3 7.31	7.4
Metrology Procedure Part B	7.021	7.03 7.1 7.2 7.21	7.3
Glossary and Framework	3.31	3.4 3.41	3.5
RoLR Processes	2.0	2.1 2.2	2.3
MDM Procedures	4.1	4.2	4.3

The proposed implementation date for the Changes is 1 May 2022.

AEMO invites stakeholders to provide feedback regarding the Proposals and to identify any unintended adverse consequences of the Changes. AEMO invites stakeholders to suggest alternative options where they do not agree that the Proposals would achieve the relevant objectives.

Stakeholders are invited to submit written responses to NEM.Retailprocedureconsultations@aemo.com.au on the issues and questions identified in this Issues Paper by 5.00 pm (Melbourne time) on 15 November 2021, in accordance with the Notice of Consultation published with this Issues Paper.



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1. STAKEHOLDER CONSULTATION PROCESS

AEMO is consulting on the Proposals in accordance with the NER consultation procedures in NER 8.9. This Consultation follows extensive outworking of each Proposal by the Electricity Retail Consultative Forum (ERCF) and AEMO.

AEMO's indicative timeline for this Consultation is outlined in Table 3. The dates may be adjusted depending on the number and complexity of issues raised in submissions and any meetings with stakeholders.

Table 3 Summary of indicative dates

Deliverable	Indicative date
Initial Notice	Friday, 8 October 2021
Submissions Close	Monday, 15 November 2021
Draft Determination	Monday, 6 December 2021
Submissions Close	Tuesday, 21 December 2021
Final Determination	Monday, 31 January 2022
Effective Date of Changes	Sunday, 1 May 2022

Prior to each submission due date, stakeholders can request a meeting with AEMO to discuss the issues raised in this Issues Paper. Please request a meeting by emailing NEM.Retailprocedureconsultations@aemo.com.au with the details of your request.

A glossary of terms used in this Issues Paper is at Appendix A.



2. BACKGROUND

2.1 NER requirements

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

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

2.2 Context for this consultation

AEMO will continue to engage and consult through the ERCF on the Procedures. The ERCF provides a platform for interested parties to raise issues and propose changes to the Procedures (except for the B2B Procedures).

Further information on the ERCF is available at: <https://aemo.com.au/en/consultations/industry-forums-and-working-groups/list-of-industry-forums-and-working-groups/electricity-retail-consultative-forum>

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



3. CHANGE PROPOSALS

A number of these Changes have been nominated for implementation prior to the effective date of new Procedure or Procedures which have not yet been implemented. This nomination is reflected in relevant version tables where possible, as well as the Retail Electricity Market Procedures Version History Tables, available at: <https://aemo.com.au/en/consultations/industry-forums-and-working-groups/list-of-industry-forums-and-working-groups/electricity-retail-consultative-forum>.

3.1 Reason Codes (CIP_042)

Context

Metering Data Providers (MDPs) provide reason codes to inform Retailers as to why an actual meter read was unable to be taken. The MDFF Specification section 3.3.5(a) states that the MDP must apply a reason code that most accurately reflects the reason for supplying the code or based on the hierarchical structure agreed with the FRMP. Over the last 18 months, the energy industry has experienced a number of extreme events, including bushfires, floods, IT system issues and the COVID 19 pandemic. These events have impacted meter readings for a large number of premises, leading to a substantial impact on supply chain charging, from wholesale through to customer billing.

As a result of these events, MDPs have not been able to provide actual meter reads and have issued substituted reads for these premises. However, the reason codes used by the various MDPs (contestable and network) are varied and inconsistent, even by a particular MDP itself, even though the reason codes can be related to the same event. Further, the codes that were used were not necessarily reflective of the issue at hand. Finally, the reason codes published by the MDP can cause confusion for retailers in any event.

The Proposal is to update only Appendix E and F of the MDFF Specification. There is no impact to AEMO systems as a result of this Change.

Proposal

AEMO proposes the Changes to the industry reason codes to:

- provide a more reflective indication of an event which leads to large volume substitution being undertaken; and
- refine and clarify the existing reason codes.

These Changes will:

- provide better insights for customers;
- reduce the number of queries by customers into retailer call centres;
- allow more meaningful dialog with customers when there are high or low billing events following substitutions;
- reduce the need for retailers to seek further information from MDPs;
- provide consistency across the industry for all MDPs and retailers, in respect of the codes used for certain scenarios;
- allow MDPs to correctly identify large volumes of premises requiring substitution; and
- provide clearer information to data users (including customers) about why their meter read data is substituted.

A sentence will be added to the beginning of Appendix E: *'These reason codes are designed to encourage consistency across the NEM, allowing more efficient operation of electricity services for price of supply.'*

The description of each reason code will be amended according to the following marked-up text.



Reason	Reason Code Description	Detailed Description
0	Free text description	For use in the case that other reason code descriptions cannot be reasonably utilised e.g. system issues which prevent delivery of market data
2	Extreme weather conditions	Extreme weather conditions have prevented data collection e.g. floods/storms/bushfires
3	Quarantined premises	Premises under quarantine or lockdown preventing access to <i>metering installation</i> e.g. pandemic
40	Unrestrained livestock	Data collector observed that livestock is roaming free on the premises and could potentially be hazardous, or access was not obtained due to potential for livestock to escape. This refers to farm animals

The following codes will be removed:

- 'Noxious Weeds' (reason code 16) to be made obsolete in favour of 'Overgrown Vegetation' (reason code 15).
- 'Dangerous dog' (reason code 4) to be made obsolete in favour of 'Dog on premises' (reason code 48).

The Proposals are detailed below.

Document	Section	Description
Meter Data File Format Specification NEM12 & NEM13	Appendix E Reason Codes	Reason codes amended and removed as described above
Meter Data File Format Specification NEM12 & NEM13	Appendix F Obsolete Reason Codes	Reason codes removed from Appendix E to be moved to Appendix F as described as above

3.2 B2B Accreditation Classifications (CIP_045)

Context

Participant accreditation for the B2B e-Hub has been in place since Power of Choice. The objective of the accreditation is to ensure that participants' IT systems will interact with AEMO's systems safely and securely and will deliver data in the appropriate format.

AEMO's B2B e-Hub does not perform any business validation of the transactions, but instead, only performs technical validations to ensure that the transaction has been formatted correctly.

Currently, the B2B Process implies that all transactions related to the participants as per Appendix B in the B2B Process are mandatory, but that AEMO is available to discuss the potential to gain approval to use a subset of these transactions.

If AEMO grants approval to only test a subset of the suggested transactions, then clarification is required that all the transactions listed in Appendix B are not mandatory.

Proposal

The Proposal is to update the B2B Process to clarify that a subset of transactions can be performed to obtain accreditation when approval has been granted by AEMO.



The Proposal is detailed below.

Document	Section	Description
B2B Process	1.1 Purpose and Scope(c) & (d)	Change of wording to refer to Appendix B and the B2B eHub Self-Accreditation
B2B Process	2.4 Pre-Production Assessment General (a)	Replacement of the requirement to test all transactions, to test a subset of transactions
B2B Process	2.5 Applicant System Testing	Removal of requirement of Stage 1 testing requirements. Change of wording to align with requirement of testing subset of transactions, not all transactions
B2B Process	Appendix B	Removal of the Mandatory/Required column

3.3 Clarification of Metrology Procedure Part A Clause 12.5 (CIP_046)

Context

Currently, the title of clause 12.5 of the Metrology Procedure Part A v7.31 is 'Verification of Metering Data for whole current Manually Read Metering Installations and Type 7 Metering Installations', effective 1 May 2022.

Participants have requested clarification as to:

- the metering installations which clause 12.5 covers; and
- the consistency of the clause 12.5 title with clauses 4.2(a)(iii) and 4.2(b) of the Metering Provider Service Level Procedures (MP SLP).

Clause 12.5 describes the Metering Coordinator obligations to ensure that Metering Providers complete the work which they are obliged to complete. While the clauses 4.2(a)(iii) and 4.2(b) reference clause 12.5 and describe the obligations placed on Metering Providers, the clause 12.5 title is not consistent with the activities which are described in clauses 4.2(a)(iii) and 4.2(b).

Proposal

The Proposal is to change the clause 12.5 title to '*Verification of Metering Data for whole current metering installations for small customers and Type 7 metering installations*'. Otherwise, clause 12.5 and clauses 4.2(a)(iii) and 4.2(b) remain unchanged. There is no impact to AEMO systems as a result of this Change.

Document	Section	Description
Metrology Procedure Part A	12.5	Verification of Metering data for whole current Manually Read Metering installations for small customers and Type 7 Metering installations



3.4 Reference to AS60044 (CIP_048)

Context

The Australian Standard (AS) 60044 was updated to align with the relevant International Standard and was retitled AS 61869, on 5 March 2021.

Accordingly, Metrology Procedure Part A clause 3.1 (b) and (c), which reference the now-superseded AS must be updated.

Otherwise, the Metrology Procedure Part A is unchanged. This Change does not have any impact on AEMO systems and is not expected to have a material impact on participant systems.

Proposal

The Proposal is to update the references as follows.

Document	Section	Description
Metrology Procedure Part A	3.1 (b)-(c)	References to AS60044 now refer to AS61869. References to the International Standards have been removed as they are redundant.

3.5 Controlled Load Enumerations (CIP_049)

Context

An industry review was conducted of the usage of the proposed enumerations for the Controlled Load field (CL1, CL2, CL3) as part of the MSATS Standing Data Review (MSDR).

This review sought feedback from Local Network Service Providers (LNSPs) as to how the networks expected the enumerations to be used. This review showed that the expected usage would be complex without the realisation of proportional benefits. The proposed enumerations require MPB system logic which would be dependent on each LNSP’s requirements, as well as requiring ongoing resources to manage any future amendments by LNSP’ to their definition of each enumeration. One LNSP indicated that it required a CL4 enumeration. Other LNSPs stated that a YES/NO enumeration would meet their requirements. The usage of CL1-CL3 becomes further complicated where ToU network-controlled load tariffs are involved.

Following substantial discussion, the ERCF determined that optimally, the usage would show the separation between controlled load managed via time switches (i.e. YES) and load externally controlled by the network by means such as ripple control (i.e. EXT).

Proposal

The Proposal is to replace the enumerations which are currently specified (effective 1 May 2022) for controlled load (CL1, CL2, CL3) with the new enumerations of NO, YES, EXT, which have the following meanings.

NO	No controlled load
YES	There is controlled load associated with a network-controlled load tariff on this register
EXT	There is controlled load which is externally switched by the LNSP associated with a network-controlled load tariff on this register

The MSATS field would remain as a VARCHAR2(100).



The enumerations will be managed outside the schema, allowing amendments/additions to be added to the list, without requiring a schema change.

Document	Section	Description
Standing Data for MSATS	Table 17	Table updated as described above

3.6 NREG and GENERATR NMI Classifications (CIP_050)

Context

In order to ensure that generation energy volumes are settled correctly, AEMO classifies a generating system as a Market Generator. Therefore, where the LNSP is aware that a stand-alone generation unit is to be connected to its network, the NMI Classification of NREG should be initially assigned to the NMI by the LNSP.

However, LNSPs have expressed their concern that it is difficult to interpret which NMIs should have the NMI Classification of NREG, when NMIs are being created or NMI Standing Data is to be updated for non-registered generator connection points.

Proposal

AEMO proposes to amend:

- the NREG definition in the CATS Procedure to clarify when it is appropriate to be used; and
- the GENERATR definition in the CATS Procedure to clarify that the NMI Classification of GENERATR is to be assigned by AEMO.

The LNSP is to assign a NMI Classification of NREG to stand-alone generator NMIs. FRMP = %SGA should only be assigned to stand-alone generator NMIs with an NREG NMI Classification. When AEMO classifies a generating system as a Market Generator, AEMO will change NMI Classification to GENERATR and change Agg Flag to "N".

The definitions will be updated as follows.

Code	Description ⁽²⁾	Jurisdiction
GENERATR	Generator Connection point associated with a generating system classified as a Market Generator by AEMO. This NMI Classification is to be assigned by AEMO from the Generator registration approval date.	All
NREG	Connection point associated with a stand-alone non-registered embedded generator at which: <ul style="list-style-type: none"> • the embedded generating unit is classified by a Market Small Generation Aggregator as a market generating unit; or • the embedded generating unit is owned, operated and controlled by a person who meets the requirements of NER 5.3.1A(c)(2) or (3); or • the non-registered embedded generator, defined in NER 5A.A.1, meets the requirements of NER 5A.A.2. • the output of the embedded generating unit is consumed by a market load at the same connection point. 	All

The Proposal is detailed as follows.

Document	Section	Description
CATS	4.5	Descriptions updated as set out above.



3.7 GPS Coordinates Minimum Requirements (CIP_053)

Context

As part of the MSDR, GPS Coordinates for metering installations were included as data which should be captured. In the MSDR draft determinations in 2020, AEMO requested participant feedback in respect of the accuracy of GPS Coordinates information (decimal places). The options provided were four, five or six decimal places.

The table below shows the accuracy of the GPS Coordinates with respect to the number of decimal places.

Accuracy versus decimal places

decimal places	degrees	distance
0	1.0	111 km
1	0.1	11.1 km
2	0.01	1.11 km
3	0.001	111 m
4	0.0001	11.1 m
5	0.00001	1.11 m
6	0.000001	0.111 m
7	0.0000001	1.11 cm
8	0.00000001	1.11 mm

Any number fewer than 4 decimal places would deliver very little value to the industry, at disproportional cost to capture, record and publish the data.

Initially, the understanding was that the requirement would be 5 decimal places, which would enable the information to be recorded to within 1.1 m of the metering installation.

Proposals were also presented to align with the B2B GPS Coordinates requirements, to align the data capture for both MSATS and B2B. In B2B, the GPS data is captured and transacted as part of the Notice of Metering Works (NOMW). However, the B2B field description established no minimum, but instead, allowed the GPS Coordinates to have 'up to 7 decimal places'.

Consequently, the final Standing Data for MSATS document has defined both the GPSCoordinatesLat and GPSCoordinatesLong fields as 'up to 7 decimal places', with no minimum.

This wording allows flexibility to a participant's interpretation of the solution, which could potentially result in a large variance in the location of the metering installation, ranging from 11 km to 1 cm.

PLUS ES tabled their concerns in the ERCF meeting in August 2021. There was no objection to the proposal to define the GPS Coordinates with a minimum requirement of 5 decimal places. This approach would align the minimum requirement to the 5 decimal places which was discussed and outlined during the MDSR consultation.

Proposal

AEMO proposes to mitigate these issues, increase operational efficiencies, reduce wasted site visits and otherwise enable a consistent benefit to participants, by updating the description in the Standing Data for MSATS document of the:

- GPSCoordinatesLat to define the minimum decimal place requirement as 5 decimal places.
- GPSCoordinatesLong to define the minimum decimal place requirement as 5 decimal places.

Further, AEMO proposes to allow the 7 decimal places allocation, for those participants who may have already built or implemented a GPS Coordinate solution.

Document	Section	Description
Standing Data for MSATS	Table 3	Minimum requirement for GPS Coordinates defined as being between 5 and 7 decimal places

3.8 Connection Configuration Clarification

Context

AEMO's MSDR Final Determination, published on 7 September 2020, introduced a new field, Connection Configuration, which is defined as follows.

Two-character code to denote information about the configuration of the connection point.

First Character = Connection Type

H = High voltage (as defined in the NER)

L = Low voltage (lower than the threshold defined for high voltage in the NER)

Second Character = Phases In Use

1 = Single Phase

2 = Two-Phase

3 = Three-Phase

This field was initially located within the NMI Data table, as a mandatory field, to be populated by the LNSP. The Second Character is defined as the phases available at the connection point, rather than literal phases in use. For example, if a premise has a 3-phase service main to its connection point, but only actually uses 1 phase at the metering installation, then the second character would be 3, not 1. The MSDR intends to enable the sharing of key information, to minimise wasted site visits by MPs. In the above example, the MP would not know whether the existing metering installation is connected as single phase or three-phase. Accordingly, the MP would be unable to appropriately quote, or to know which meter is required, without a site visit in advance.

These circumstances make the information in the field unreliable for market operations. Consequently, the LNSP would be obliged to maintain this information for little benefit.

The Electricity Retail Market Procedures March 2021 consultation proposed to:

- Redefine 'Connection Configuration' as 'Phases in Use', instead of phases available at the connection point.
- Instantly overwrite the current definition, thereby improving operational efficiency, because its implementation is expected to coincide with the effective date of Stage 1 of MSDR.

This proposal was not endorsed by a majority of respondents and was subsequently rejected. However, ongoing discussions in the ERCF have highlighted the need to clarify rather than change the Connection Configuration field.

The ERCF agreed to retain the principles that:

- The field should continue to have two characters, as outlined above.
- The LNSP should continue to be responsible for the field.



Proposal

The ERCF also agreed to propose that:

- 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.

This Change will improve clarity within the market and operational efficiency.

Document	Section	Description
Standing Data for MSATS	Table 6	Statements added as set out above

3.9 WIGS Clarification

Context

AEMO has noted an inconsistency between WIGS Procedure and the NER with regards to changing MDP. Currently, the WIGS Procedure states that the Current MC may Initiate a Change Request to change an MDP for a transmission network connection point. The correct reference should be to AEMO.

Proposal

AEMO proposes to update the WIGS Procedure to align it to the NER, as follows.

Document	Section	Description
WIGS	8.2.1	Added references to AEMO initiating roles
	8.2.4	
WIGS	8.2.3	Removed references to the Current MC initiating a Change Request for transmission network connection points, added references to AEMO initiating roles

4. PROCEDURES TO BE CONSOLIDATED

The Proposals involve the consolidation of previously-consulted versions of the Procedures, for the purposes of providing additional clarity. These Procedures changes have already been the subject of formal consultations. Accordingly, AEMO is not requesting comment on these Procedures, other than to rectify any potential consolidation errors. Text that has been removed or reformatted and links that have been updated have not been noted in this Issues Paper, as these changes have already been consulted on and do not require feedback.

A summary of the Procedures to be consolidated is included in the Executive Summary of this Issues Paper.

4.1 CATS PROCEDURE

Proposal

The Proposal is to consolidate Versions 4.921-5.0 to CATS Procedure 5.1.



Version	Effective Date	Summary of Changes
4.921	24 October 2021	v.913 and v4.92 Consolidated
4.93	1 May 2022	MSATS Standing Data Review Phase 1 – New and amended fields
4.94	1 May 2022	Updated to include changes for the Metering ICF Package 2020 consultation, the changes are for the following Information Change Requests (ICFs): <ul style="list-style-type: none"> • ICF_013 Change Cancellation Timeframe for CR6800 • ICF_016 Reinstate the MC Objection of “BadParty” for Victorian SMALL NMIs • ICF_031 Definitions of SMALL and LARGE NMI Classifications
4.95	1 May 2022	Updated as part of Retail Electricity Market Procedures March 2021 Consultation for ICF_037 Redefinition of ‘Connection Configuration’
5.0	1 May 2022	Updated to incorporate National Electricity Amendment (Global settlement and market reconciliation) Rule 2018 No. 14
5.1	1 May 2022	NREG and GENERATR NMI Classifications (CIP_050) updated. Consolidated v4.921, v4.93, v4.94, v4.95 and v5.0 as part of Retail Electricity October consultation.

The Changes are as follows:

Section	Description
.2 2.6 2.9 2.10 2.11 3 4 7	Global Settlement-related changes
2.2 2.3 2.5 2.6	Added Shared Fuse obligations
2.9	GNAF obligations for AEMO added
2.10 2.11	Updated change cancellation timeframe for CR6800
4.1	References to unstructured addresses removed
4.8	BADPARTY objections clarified for Victoria
4.9	NMI classification references updated
9.1.4 9.2.4 9.3.4 9.4.4 10.1.4 10.2.4 10.3.4 10.4.4 10.5.4 12.2.4 12.2.5	Added Connection Configuration, Shared Isolation Point Flag and other MS DR obligations



Section	Description
12.3.4 12.5.4 15.1.4	
CATS Tables	Tables updated with reference to MSDR

4.2 WIGS PROCEDURE

Proposal

The Proposal is to consolidate Versions 4.921-5.0 to WIGS Procedure 5.1.

Version	Effective Date	Summary of Changes
4.921	24 October 2021	v4.913 and v4.92 Consolidated
4.93	1 May 2022	MSDR Phase 1 – New and amended fields
4.94	1 May 2022	Version control to align to the CATS Procedure
4.95	1 May 2022	Updated as part of Retail Electricity Market Procedures March 2021 Consultation for ICF_037 Redefinition of ‘Connection Configuration’
5.0	1 May 2022	Updated to incorporate National Electricity Amendment (Global settlement and market reconciliation) Rule 2018 No. 14.
5.1	1 May 2022	Clarified changing MDP roles, consolidated v4.921, v4.93, v4.94, v4.95 and v5.0 as part of Retail Electricity October consultation.

The Changes are as follows:

Section	Description
4.1.4 4.2.4 4.3.4 5.1.4 5.2.4 5.3.4 5.4.4 7.1.4 7.2.3 9.1.4 7.2.3	Added and updated MSDR obligations and change request updates regarding LNSP and MPB requirements and TNI2 references
2.1.2 2.1.6 2.2.2 2.2.3 3.1.2 4.1.2 4.1.7 4.1.8 4.3.6 4.3.7 5.2.2 5.2.7 5.3.2 6.3.2	Global Settlement (GS)-related changes such as ENLRs and NMI Classification Codes and document restructuring.



Section	Description
6.3.4	
7.1.9	
7.1.10	
7.3.2	
7.3.7	
8.1.4	
8.2.1	
8.2.2	
8.2.3	
8.2.4	
8.2.9	
8.3.5	
8.4.2	
8.4.6	
8.5.5	
8.6.6	
9.2.1	
9.2.2	
10.1.1	
10.1.5	

4.3 Metrology Procedure Part A

Proposal

The Proposal is to consolidate Versions 7.01-7.31 to Metrology Procedure Part A 7.4.

Version	Effective Date	Summary of Changes
7.01	1 October 2021	V6.05 and v7.0 consolidated
7.1	1 May 2022	Updated to incorporate National Electricity Amendment (Global Settlement and Market Reconciliation) Rule 2018 No 14
7.3	1 May 2022	Updated to incorporate National Electricity Amendment (Introduction of metering coordinator planned interruptions) Rule 2020 No. 7.
7.31	1 May 2022	Updated to include changes for the Metering ICF Package 2020 consultation, the changes are for the following Information Change Requests (ICFs): <ul style="list-style-type: none"> ICF_019 Metrology Procedure sampling methodology ICF_020 Changes to the clause 4.2 of the SLP to avoid confusion with the terms validation vs verification
7.4	1 May 2022	Clarified clauses and updated Australian Standard References. Consolidated versions v7.1, v7.3 and v7.31 according to October Retail Electricity Consultation.

The Changes are as follows.

Section	Description
Various	Grammar changes
3.1	References to International Standards
3.3	Passwords clarification
1.3	Minor clarifications
6	
7	



Section	Description
3.4	GS-related changes
12.3	
12.4	
12.5	
12.7	
14	Shared Fuse Arrangements

4.4 Metrology Procedure Part B

Proposal

The Proposal is to consolidate Versions 7.021-7.31 to Metrology Procedure Part B. 7.4

Version	Effective Date	Summary of Changes
7.021	24 October 2021	v7.011 and v7.02 Consolidated
7.03	1 May 2022	Updated to include changes for the Metering ICF Package 2020 consultation, the changes are for the following Information Change Requests (ICFs): <ul style="list-style-type: none"> ICF_020 Changes to the clause 4.2 of the SLP to avoid confusion with the terms validation vs verification
7.1	1 May 2022	Updated to incorporate National Electricity Amendment (Global Settlement and Market Reconciliation) Rule 2018 No 14
7.2	1 May 2022	Updated to include changes for the Metering ICF Package 2020 consultation, the changes are for the following Information Change Requests (ICFs): <ul style="list-style-type: none"> ICF_021 Removal of End User Details from the Inventory table
7.21	1 May 2022	Updated to reflect: <ul style="list-style-type: none"> inclusion of Cross Boundary inflow to a Profile Area in NSLP calculation, and detail of Scaling Factors that are currently used in CLP calculation
7.3	1 May 2022	Consolidated v7.021, v7.03, v7.1, v7.2 and v7.21 as part of Retail Electricity October 2021 Consultation.

The Changes are as follows:

Section	Description
2.2	Global Settlement-related updates
2.5	
3.2	
3.3	
3.3.6	
3.3.8	
4.2	
4.3	
4.3.3	
4.3.5	
4.3.6	
5.2	
5.2.1	
5.2.6	
5.3	
5.3.4	
5.3.6	
6.1	
6.2	
6.2.4	



Section	Description
11.1	
11.2	
11.4	
11.5	
12.3	
12.4	
13	
13.2.1	
13.2.2	
13.3.2	
13.5.2	
14.2.2	
14.3	
4.3.6	Clerical clarifications
11.3	Scaling Factors & Cross Boundary inflow clarifications
11.4	
12.4	
13.1.2	
13.2.1	
13.2.2	
9	Clarification of 'Verification' and 'Validation'

4.5 MDM Procedures

Proposal

The Proposal is to consolidate Versions 4.1-4.2 to MDM Procedures 4.3.

Version	Effective Date	Summary of Changes
4.1	1 October 2021	<ul style="list-style-type: none"> Added description of 5-minute profile (5MLP) application to 15 and 30-minute metering data Added detail of RM25 and RM46 Reports Identifies how parties can access RM Reports
4.2	1 May 2022	Updated to reflect inclusion of Cross Boundary inflow to a Profile Area in the NSLP calculation
4.3	1 May 2022	Consolidated v4.0, 4.1 and v4.2 as part of Retail Electricity October 2021 Consultation.

The Changes are as follows:

- Added description of 5-minute profile (5MLP) application to 15 and 30-minute metering data.
- Added detail of RM25 and RM46 Reports.
- Identifies how parties can access RM Reports.
- Updated to reflect inclusion of Cross Boundary inflow to a Profile Area in the NSLP calculation.

The Changes are detailed as follows.

Section	Description
3.2 Setup Functionality	Section 3.2.3 Characteristics of the 5MLP added
3.2.3	SMLP and RM Reports changes.
9.14	
3.2.4 Characteristics of the NSLP	Note added to (a)
3.2.10 Parameters for Settlement Types	5MLP and CLP added to section (b) (iii)

Section	Description
3.2.19 Unaccounted for energy (UFE)	Note added
3.2.18 Processing Overview (b) Step 3	5MLP wording added, referred section numbers amended to 3.2.4 and 3.2.6 Figure 2 Updated
9.1 Introduction	New paragraph added for new reports. Note section added

4.6 RoLR Processes

Proposal

The Proposal is to consolidate Versions 2.0 – 2.2 into RoLR Processes v2.3.

Version	Effective Date	Summary of Changes
2.0	1 May 2022	Updated to incorporate National Electricity Amendment (Global Settlement and Market Reconciliation) Rule 2018 No 14 into Part A
2.1	1 May 2022	Updated to include changes for the Metering ICF Package 2020 consultation, the changes are for the following Information Change Requests (ICFs): <ul style="list-style-type: none"> • ICF_028 Remove Failed Retailer MSATS user access • Reference corrections
2.2	1 May 2022	Updated to incorporate National Electricity Amendment (Global Settlement and Market Reconciliation) Rule 2018 No 14 into Part B
2.3	1 May 2022	Consolidated v2.0, v2.1 and v2.2 as part of Retail Electricity October 2021 Consultation.

The Changes are as follows:

- V2.0 Updated to incorporate National Electricity Amendment (Global Settlement and Market Reconciliation) Rule 2018 No 14 into Part A.
- V2.1 Updated to include changes for the Metering ICF Package 2020 consultation, the changes are for the following Information Change Requests (ICFs):
 - ICF_028 Remove Failed Retailer MSATS user access.
 - Reference corrections.
- V2.2 Updated to incorporate National Electricity Amendment (Global Settlement and Market Reconciliation) Rule 2018 No 14 into Part B.

The Changes are detailed as follows.

Section	Description
6.1 AEMO Obligations (d)	Step 13 removed
12.2 AEMO Obligations (e)	“(i.e. where the Failed Retailer is the Current ENLR and the Current FRMP)” wording removed
13.3 AEMO Obligations (iv) (D)	Wording changed to “The New FRMP is the Participant ID specified by the Regulator”
Throughout Document	LR updated to ENLR in various places
104.5 RoLR Obligations	Wording to include “LNSP, MC, MP, MDP and other relevant participants”
105.1 Application	Bullet points added to include MC, MP and MDP
Table 105-A	Updated to include MC, MP and/or MDP as relevant

4.7 Glossary and Framework

Proposal



The Proposal is to consolidate Versions 3.31-3.41 below versions into Glossary and Framework v3.5.

Version	Effective Date	Summary of Changes
3.31	24 October 2021	v3.2 and v3.3 Consolidated
3.4	1 May 2022	MSATS Standing Data Review – New and amended fields
3.41	1 May 2022	Updated to include changes for the Metering ICF Package 2020 consultation, the changes are for the following Information Change Requests (ICFs): <ul style="list-style-type: none"> ICF_020 Changes to the clause 4.2 of the SLP to avoid confusion with the terms validation vs verification
3.5	1 May 2022	Consolidated v3.31, v3.4 and v3.41.

The Changes are as follows:

- V3.4 MSATS Standing Data Review – New and amended fields.
- V3.41 Updated to include changes for the Metering ICF Package 2020 consultation, in respect of Information Change Requests (ICFs) regarding : ICF_020 Changes to the clause 4.2 of the SLP, to avoid confusion with the terms validation vs verification.

The Changes are detailed as follows.

Section	Description
5.0 Glossary	Definition of Controlled Load edited to include “a network device”
5.0 Glossary	Added – Shared Fuse Arrangement
5.0 Glossary	Spelling errors corrected for Special Site and Special Sites Document
5.0 Glossary	Definition of Validation edited
5.0 Glossary	Added - Verification

4.8 Standing Data for MSATS document

Proposal

The Proposal is to consolidate Versions 4.52-5.1 into Standing Data for MSATS document v5.11.

Version	Effective Date	Summary of Changes
4.52	1 October 2021	v4.5 and v4.51 consolidation
4.6	1 May 2022	MSATS Standing Data Review Phase 1 – New and amended fields
5.0	1 May 2022	Updated to incorporate amendments for National Electricity Amendment (Global Settlement and Market Reconciliation) Rule 2018 No 14.
5.1	1 May 2022	Updated as part of Retail Electricity Market Procedures March 2021 Consultation for ICF_037 Redefinition of ‘Connection Configuration’
5.11	1 May 2022	Updated Controlled Load Enumerations, GPS Coordinates Minimum Requirements and clarified connection configuration as part of Retail Electricity October 2021 consultation. Consolidated v4.52, v4.6, v5.0 and v5.1.

The Changes are as follows.

Section	Description
2	GS-related changes
3.2	
4.1	
4.2	



Section	Description
4.3	
5.1	
5.2	
5.3	
6.1	
6.2	
6.3	
7.1	
7.2	
7.3	
8.1	
8.2	
8.3	
9.1	
9.2	
9.3	
10.2	
10.3	
11	
13	
14	
Table 3	MSDR-related changes
Table 6	
Table 8	
Section 11	
Table 26	
Table 30	
Table 32	
Table 34	
Table 36	
Table 38	
Table 40	
Table 42	
Table 44	
Table 45	
Table 48	
Table 51	
Table 54	

5. SUMMARY OF PROCEDURE CHANGES AND CONSOLIDATIONS

To help stakeholders and other interested parties to respond to this Issues Paper, AEMO has published draft versions of the Procedures included in this Consultation, which incorporate the Changes in accordance with the Proposals by proponents and AEMO.

The clean and change-marked versions are available at: <http://aemo.com.au/Stakeholder-Consultation>. To request an editable version of the draft Procedures in .rtf format, please email NEM.Retailprocedureconsultations@aemo.com.au. Note: pdf is always the 'official version'.

The Procedures which are open for feedback in this Consultation are:



- B2B Process
- CATS Procedure
- WIGS Procedure
- MDFF Specification
- Metrology Procedure Part A
- Metrology Procedure Part B
- MDM Procedures
- RoLR Processes
- Glossary and Framework
- Standing Data for MSATS document

A summary of the Procedures which are affected by particular Change Proposals is included in the Executive Summary of this Issues Paper.

AEMO must receive submissions on these Change Proposals in accordance with the Notice of First Stage of Consultation which is published with this Issues Paper by 5.00 pm (Melbourne time) on Monday 15 November 2021.



5.1 Questions on Proposed Changes

- 1) Does your organisation support the proposals which are contained in the Issues Paper? If not, please specify the areas where your organisation does not support AEMO's assessment (include ICF reference number) and specify information as to your rationale.
- 2) 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?
- 3) What are the main challenges in adopting these proposed changes? How should these challenges be addressed?
- 4) Do you have any further questions or comments in relation to the proposals?
- 5) Does your organisation have any feedback / suggestions that closely relates to the scope or impacts this consultation, but warrants further investigations / discussion? If so, please include your feedback / suggestions. This feedback will be reviewed by AEMO at a later date, therefore will not be used for the purposes of this consultation. AEMO will complete a preliminary assessment of the feedback, assess the feedback and potentially include the feedback as part of another consultation or the annual prioritisation process.
- 6) Do you have any feedback on the following amendments?
 - a. B2B E-Hub Participant Accreditation and Revocation Process (CIP_045 B2B E-Hub Participant Accreditation Procedure Clarification)
 - b. MSATS Procedures: CATS (CIP_050 NREG and GENERATR NMI Classifications)
 - c. MDFF NEM12 & NEM13 (CIP_042 Reason Code)
 - d. Metrology Part A (CIP_046 Clarification of Clause 12.5, CIP_048 Reference to AS60044)
 - e. Standing Data document (CIP_049 Controlled Load Enumerations, CIP_053 GPS Coordinates Minimum Standard)
- 7) Do you have any feedback on the following consolidations? Please note that AEMO has already consulted on these documents, so is only inviting feedback to ensure that the consolidation is correct.
 - a. CATS Procedure
 - b. WIGS Procedure
 - c. Metrology Part A
 - d. Metrology Part B
 - e. MDM Procedures
 - f. RoLR Processes
 - g. Glossary and Framework
 - h. Standing Data for MSATS document



APPENDIX A. GLOSSARY

Term or acronym	Meaning
5MS	Five-Minute Settlement
B2B	Business-to-Business
CATS	Consumer Administration and Transfer Solution, a part of MSATS.
CIP	Change Information Paper
CR	Change Request
DNSP	Distribution Network Service Provider
EN	Embedded Network
ENM	Embedded Network Manager
ERCF	Electricity Retail Consultative Forum
GS	Global Settlement
ICF	Issue / Change Form
LNSP	Local Network Service Provider
LR	Local Retailer
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
SLP	Service Level Procedure
WIGS	Wholesale, Interconnector, Generator and Sample

APPENDIX B. STRUCTURE OF AEMO'S RETAIL ELECTRICITY MARKET PROCEDURES

The Procedures comprise several procedures that govern the operation of the retail market. In addition to the Procedures, AEMO has published several 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 the Procedures.

Figure 1 Retail Electricity Market Procedures

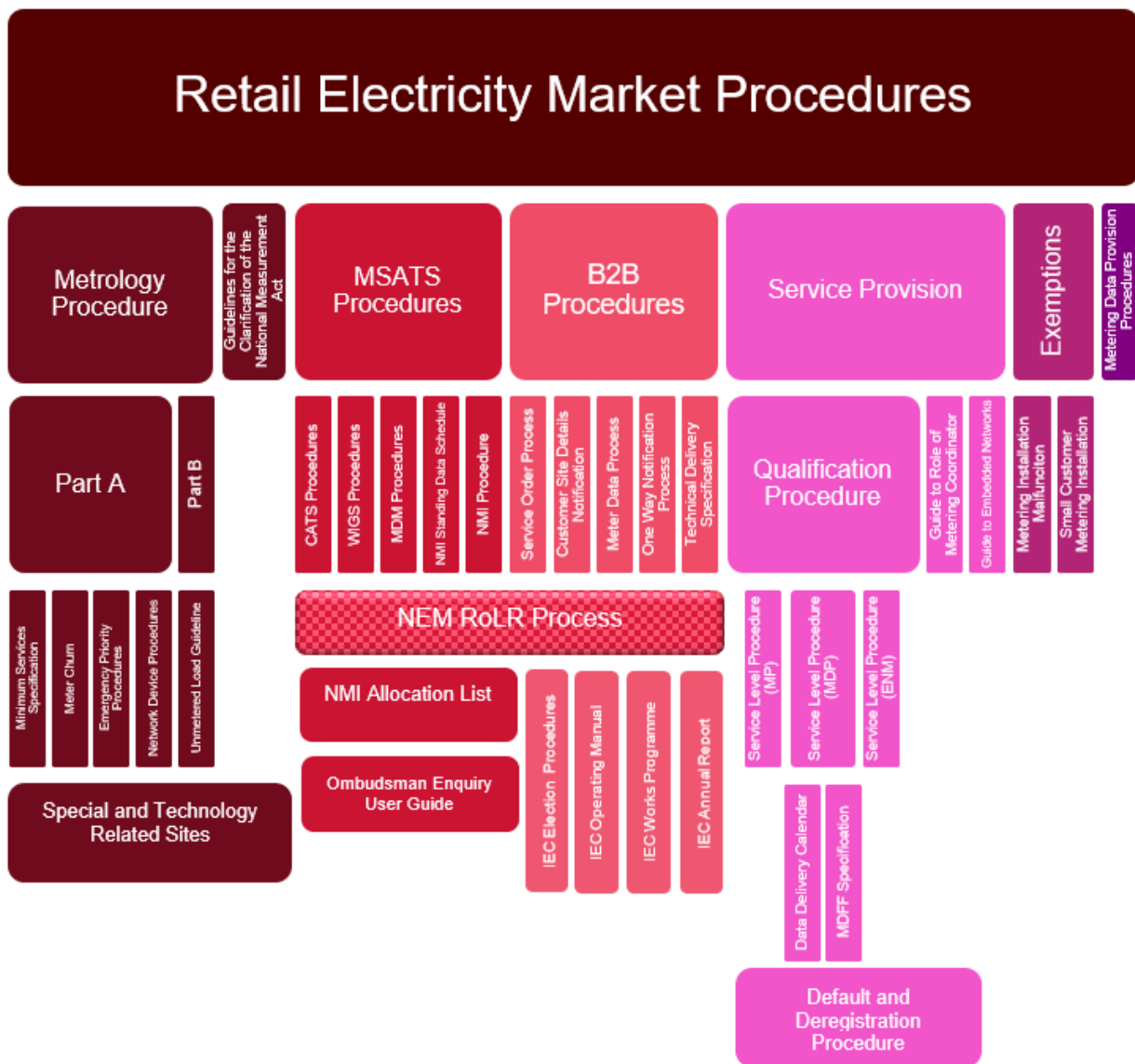


Figure 2 depicts how the Retail Electricity Market Supporting Documents link to the Procedures.



Figure 2 Retail Electricity Market Procedure Supporting Documents

