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# **ERCF** Monthly Meeting

\*

23 October 2023 NOTES

This meeting is being recorded for the purpose of minute taking.

# AEMO

# **Online forum housekeeping**

- 1. Please mute your microphone, this helps with audio quality as background noises distract from the information being shared.
- 2. Video is optional, but having it turned off helps with performance and minimises distractions.
- 3. We ask that you utilise the Chat function for any questions or comments you may have. This aids note keeping and keeps discussions flowing smoothly.
- 4. Raise your hand if you wish to speak to an item. This keeps conversations orderly.
- 5. In attending this meeting, you are expected to:
  - Not only represent your organisation's interests but also the interests of Industry and its customers
  - Have an open mindset
  - Contribute constructively
  - Be respectful, both on the call and in the chat

## AEMO Competition Law Meeting Protocol

- AEMO is committed to complying with all applicable laws, including the Competition and Consumer Act 2010 (CCA). In any
  dealings with AEMO, all participants agree to adhere to the CCA at all times and to comply with appropriate protocols where
  required to do so.
- AEMO has developed meeting protocols to support compliance with the CCA in working groups and other forums with energy stakeholders
- The AEMO Competition Law Meeting Protocol can be viewed and downloaded from AEMO's website
  - <u>https://aemo.com.au/-/media/files/stakeholder\_consultation/working\_groups/aemo-competition-law-meeting-protocol/aemo-competition-law-meeting-protocol---october-2022.pdf?la=en</u>

## Agenda

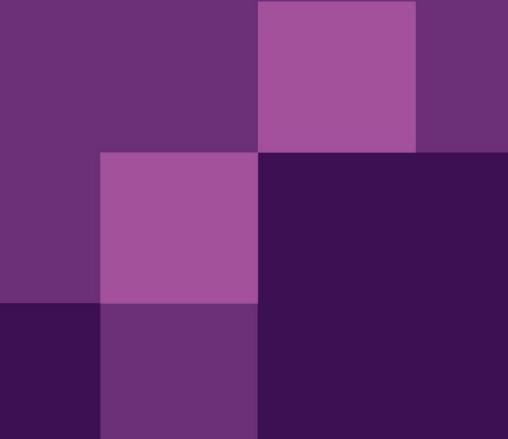
- 1. Welcome
- 2. Actions
- 3. Address Standards Update AS4590.1:2017 Integration and ICF\_070 Revision
- 4. ADWNAN Reporting Changes (ICF\_017) Update
- 5. ICF Register
- 6. Unlocking CER benefits through Flexible Trading
- 7. Items of Interest
- 8. General Business and Next Steps
- 9. Appendix
  - Completed Consultations
  - ICFs Awaiting Implementation





# Actions

Blaine Miner (AEMO)



### Actions



Actions #	Agenda Item	Description	Responsible	Status	Comments
280823_05	CDR (LCCD) Blind Update Tool	AEMO to ensure that its position, re the updating of the LCCD field, is accurately reflected in the MSATS Technical Specification i.e. the BUT not being available for LCCD population as of a November 2023	AEMO	Closed	The new version of the MSATS tech spec reflecting AEMO's position has been published. <u>https://www.aemo.com.au/energ</u> <u>y-systems/market-it-systems/it-</u> <u>change-and-release-management</u>
280823_09	ICF Register	Mark Riley (AGL) to meet with AEMO (including Blaine Miner, Jackie Krizmanic and Simon Tu) to consider additional content/options supporting the progression of the 'Magnitude of generation and consumption at a NMI MSATS fields' ICF (ICF_076)	Mark Riley (AGL) and AEMO	Closed	This ICF will be discussed with the newly formed subgroup.
250923_01	AEMC Metering Services Review	AEMO to ensure MSRWG placeholder sessions are distributed as soon as possible.	AEMO	Closed	Placeholder invites have been distributed.
250923_02	ERCF Review	Members to send through nominations to be considered for the proposed ERCF subgroup via email to <u>ERCF@aemo.com.au</u>	ERCF	Closed	Refer to the next slide
250923_03	ICF Register	AEMO to consider how best to communicate when ICFs were originally raised and the date that the latest action had occurred	AEMO	Closed	New column added to the ICF Register Tables



## **ERCF Subgroup nominations**

Name	Organisation	Market Sector		
Robert Lo Giudice	Alinta Energy	Retailer		
Jo Sullivan	Energy Australia	Retailer		
Jordan Rigby	Red/Lumo	Retailer		
Aakash Sembey	Origin	Retailer		
Sagar Shah	Hansen Technologies	Vendor for Retailers		
Dino Ou	Intellihub	Metering		
Helen Vassos	PlusES	Metering		
Paul Greenwood	Vector Metering	Metering		
Wayne Farrell	Yurika	Metering		
Wayne Turner	Ausgrid	Networks		
Tennille Pownceby	CitiPower Powercor	Networks		
Christine Ward	EQL	Networks		
Michael Zhang	SAPN	Networks		
Adrian Honey	TasNetworks	Networks		
Laura Peirano	United Energy	Networks		

### **Notes**

- Blaine Miner (AEMO) spoke to the Actions slides
- Telstra noted that no small or new entrant retailers have nominated to the Subgroup, Chris Murphy (Telstra) offered to join the group if no other small or new entrant retailer nominations are received
- Actions:
  - AEMO to schedule the first ERCF subgroup meeting
  - AEMO to include Chris Murphy (Telstra) into the subgroup should no other small or new entrant retailer nominations be received

### AEMO Address Standards Update AS4590-1.2017 Integration and ICF\_070 Revision

Simon Tu (AEMO)

### **Standardised Addressing**

Precise addressing is the backbone of a reliable energy market data exchange.

- Ensures all participants have a unified and standard view, eliminating ambiguity.
- Reduces the risk of misinterpretation and errors in service delivery, billing, and communications.
- Streamlines processes, reduces exception handling and enhances data processing.
- Ensures all Industry processes (transactions, queries, and operations) are based on accurate and standardised address data.

NEM B2B, B2M, and Gas Procedures utilise AS4590 as their addressing standard. Adopting the AS4590 ensures alignment with Australia's contemporary standardised address format, promoting consistency and data accuracy across the NEM B2B and B2M market segments.

	Benefit of AS4590
Unified Language	<ul> <li>By adhering both B2B and B2M data exchange to the AS4590 standards, all participants will use a common language and address format, ensuring consistency across the entire market.</li> </ul>
Data Quality	<ul> <li>AS4590 standards provide a framework for consistent data capture and exchange across end-to-end industry processes that run across multiple participant roles.</li> </ul>
Simplifies systems integration	<ul> <li>Standardised address formats simplify integrations between the different systems and platforms within a participant market system environment and across the systems run by other participants.</li> <li>As AS4590 aligns with best practices for data governance, systems are aligned with current best practices, requiring less market segment specific customisation.</li> </ul>

## Harmonising Procedures with AS4590.1:2017



#### Situation

- aseXML schema, NEM B2B, B2M, Gas Procedures address is based on AS4590-1999.
- The exception is Business Name (AS4590-2006) and Person Name (AS4590.1:2017).
- AS4590.1:2017 has superseded AS4590-1999.
- The B2B IEC has approved the change B2BWG ICF B004/22 to transition the B2B Procedures to AS4590.1:2017.
- The B2B IEC-initiated change would likely have a 2025 effective date.
- NEM B2M and Gas have yet to initiate a transition to AS4590.1:2017.

#### **Complication and Question**

- Of the numerous differences between AS4590.1:2017 and AS4590-1999, the differences in field lengths represent a material impact on the accuracy of address data exchange.
- AS4590.1:2017 has twelve address fields with longer character lengths than their AS4590-1999 counterpart.
- Risk of address truncation if addressing standards are not aligned across NEM B2B and B2M.
- Transition requires Procedural and aseXML schema changes.
- How to ensure consistent adoption of AS4590.1:2017 across the NEM B2B and B2M market sectors?

#### **AEMO's Proposal**

- Launch a B2M ICF to align with B2BWG ICF B004/22 changes and effective date.
- Unified aseXML schema version for B2B and B2M to meet shared effective date.
- Initiate a Gas ICF for alignment with NEM changes and concurrent implementation.

## Updating ICF\_070 in Light of AS4590.1:2017

# AEMO

#### Situation

- aseXML schema, NEM B2B, B2M, Gas Procedures address is based on AS4590-1999.
- The exception is Business Name (AS4590-2006) and Person Name (AS4590.1:2017).
- The proponent's initial request for ICF\_070 was to expand "Building or property name" from 30 to 60 characters.
- AEMO's ICF\_070 proposal is to support BuildingOrPropertyName (30 char) and BuildingOrPropertyName2 (30 char).
- ICF\_070's effective date is 1 November 2024.
- The ASWG will meet this week to approve the r44 aseXML schema, which is proposed to be implemented in early March 2024, which incorporates the ICF\_070 BuildingOrPropertyName and BuildingOrPropertyName2 changes, noting the Procedural effective date of 1 November 2024.

#### **Complication and Question**

- AS4590.1:2017 has superseded AS4590-1999.
- B2B IEC approved the transition of B2B Procedures to AS4590.1:2017 via B2BWG ICF B004/22.
- AS4590.1:2017 extends character counts for both 'Building/Property Name' fields from 30 to 50.
- ICF\_070's scheduled date precedes B2BWG ICF B004/22, which is expected to be no earlier than May 2025.
- Delays to the deployment of r44 aseXML schema to PreProd would likely impact industries' development of Metering Exceptions automation.
- Given the different implementation timelines, is it advisable for AEMO to align the Building/Property Name in ICF\_070 with AS4590.1:2017 standards? If yes, should it form part of the proposed B2M ICF to ensure consistent adoption of AS4590.1:2017?

## Updating ICF\_070 in Light of AS4590.1:2017



#### Option 1: Harmonise ICF\_070 with AS4590.1:2017; Propose New ICF for Remaining Address Elements:

- To prevent delays to industries' development of Metering Exceptions automation, deploy r44 aseXML schema to PreProd by 5 December 2023, adapting 'Building/Property Name' fields to 50 characters in line with AS4590.1:2017.
- Adjust B2M Procedures and MSATS to accommodate the new 50-character fields, with a 1 November 2024 effective date.
- Introduce a B2M ICF to synchronise B2M Procedures with AS4590.1:2017, aiming for a release aligned with B2B ICF B004/22.
- A future ASWG change to r4x aseXML schema will implement any further updates to the scheme associated to AS4590.1:2017.

#### **Option 2: Pause ICF\_070; Launch Comprehensive ICF Addressing AS4590.1:2017:**

- Remove ICF\_070 'Building/Property Name' changes from r44 aseXML.
- Initiate a B2M ICF that aligns B2M Procedures with AS4590.1:2017, targeting synchronization with the B2B ICF B004/22 launch.
- Incorporate the scope of ICF\_070 into this broader B2M ICF.
- A future ASWG change for r4x aseXML schema will implement updates to the scheme for AS4590.1:2017 including 'Building/Property Name'.

#### **Next Steps**

• Seeking stakeholder feedback and input for the way forward.

### Notes

- Simon Tu (AEMO) spoke to the 'Address Standards Update AS4590-1.2017 Integration and ICF\_070 Revision' slides
- Member feedback:
  - The Procedures and aseXML schema should not be aligned to the Australian Standard for alignment's sake, any alignment changes should occur based on the value it represents to Industry and consumers
  - We should be conscious of the timing and approach of this proposed alignment process e.g., coordination/synchronisation of proposed schema changes to other initiatives
  - Need to consider what transitional activities, if any, may be required to support the implementation of the proposed 'Address Alignment' ICF
  - As one of the largest users of address information, is Electricity involved in the development of proposed changes to the Australian Standards?
- Simon Tu noted that the ASWG is meeting this Friday (27 Oct) to consider and approve the proposed schema changes for March 2024, including the proposed changes associated to ICF\_070
- Actions:
  - AEMO to draft the initial 'Address Alignment' ICF
  - ERCF Subgroup to assess the proposed 'Address Alignment' ICF
  - ERCF to provide their views as to how new versions of AS4590 should be identified and actioned in the future
  - ERCF members to provide their preferences regarding the treatment of ICF\_070 by COB Thurs 26 Oct
    - Option 1: Harmonise ICF\_070 with AS4590.1:2017 in March 2024; Propose New ICF for Remaining Address Elements
    - Option 2: Pause ICF\_070 and include it into the more comprehensive ICF re Address alignment to AS4590.1:2017



# ADWNAN Reporting Changes (ICF\_017) Update

Simon Tu (AEMO)

### Uplift to ICF\_017 proposal

Situation

The RM29 ADWNAN\_INTERVAL Report is dispatched to LNSPs.

Its aim is to:

- Identify Active Datastreams with Non-Active NMIs (statuses: G, D, or X)
- Don't have an embedded network child
- Has submitted a non-zero reading for settlements between seven days before the query date and the last 140 days (this captures changes related to Revision2).

Its purpose is to:

• Identify potential NMIs with wrong statuses or illegal reconnections.

LNSPs to review NMIs in the report and adjust NMI status as needed.

**Problem Statement** 

- The current report lacks differentiation of metering data quality types (e.g., estimated, substituted, or actual) sent by MDP to MSATS.
- If an MDP provides non-zero substitutions or estimations, LNSPs must investigate, even if NMI status is correct.

### Uplift to ICF\_017 proposal



#### Proposal:

- AEMO continues dispatching this report to LNSPs.
- Additionally, the MDP and LNSP will now receive a new ADWNAN report for remotely read interval meters.

#### **Additional Proposal:**

- Introduction of a new report: RM29 ADWNAN\_INTERVAL\_DAILY\_AGG.
- Purpose: Allows LNSPs and MDPs to view, for remotely read interval meters, the daily aggregated energy and read quality for Active Datastreams with Non-Active NMIs.
- Highlights MDP-submitted reads aggregated per settlement day for the last seven days
- The reporting weeks would be consecutive so each reporting window provides the next seven-day window from the last reporting window.
- Will allow the recipient to:
  - identify if the MDP has incorrectly sent substitutions or forward estimates.
  - Identify if the Actuals are a result of meter creep.

#### Key Features of the New Report:

- Retrieves metering data for remotely read interval meters and aggregates it for each settlement date.
- Gathers data for active suffixes in the CATS NMI Data Stream table.
- Reports active energy in 'kWh'.

#### Proposed Format for RM29 ADWNAN\_INTERVAL\_DAILY\_AGG

Field name	Format	Notes
SETTLEMENT_DATE	Date	date format DD/MM/ YYYY
		e.g. 20/09/2024
PARTICIPANTID	String	e.g. PARTICIPANTA
MDP	String	MDP
QUERYID	String	ADWNAN_MDP_DAILY_AGG
NMI	String	e.g. 100000000
DNSP	String	e.g. PARTICIPANTB
NMI_STATUS	String	NMI Status, one of G, D or X
NMI_STATUS_DATE	Date	date format DD/MM/ YYYY
		e.g. 29/03/2019
DATA_STREAM	String	Data Stream Suffix
		e.g. E1
DATA_STREAM_STAR	Date	date format DD/MM/ YYYY
T_DATE		e.g. 16/04/2021
READ_QUALITY	String	DATA_QUALITY represents the lowest Quality from A, F, S, and E (A being the highest) for any 5/15/30- interval reads in the aggregate to settlement day. e.g., a settlement day with consecutive 5-minute intervals: A, A, A, S, F, F would result in the daily interval quality flag of 'S'.
DAILY_AGG_ENERGY	String	Daily aggregated energy reported by the MDP to the market. Note: values will be signed; if (net) generation, the value will have a minus (-) sign.

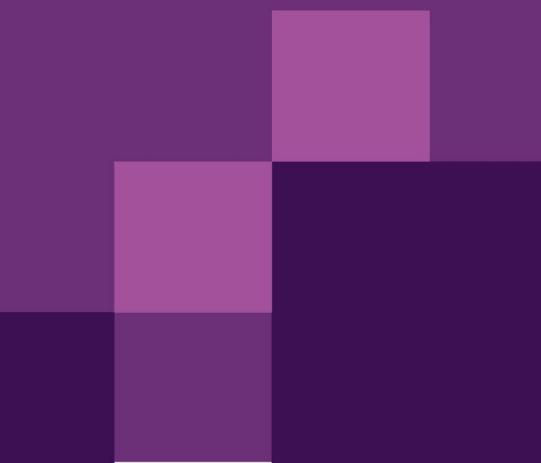
### Notes

- Simon Tu (AEMO) spoke to the 'ADWNAN (Active datastreams with non-active NMIs) Reporting Changes (ICF\_017) Update' slides
- Member feedback:
  - The preferred data quality for LNSPs in the report is Actuals
    - AEMO mentioned that both the highest (Actuals) and the lowest (Substitutions) level of data quality could be included separately (2 columns) in the report, to support both LNSP and MDP requirements
    - Alternatively, a count of data quality types may be an alternative approach
  - Could AEMO apply some sort of threshold to allow for meter creep
- Actions:
  - Detailed consideration of the proposed changes re ICF\_017 to be performed by the ERCF subgroup, recommendations to then be provided back to the ERCF
  - AEMO to confirm when the proposed RM29 ADWNAN\_INTERVAL\_DAILY\_AGG report could potentially be implemented



# ICF Register

Blaine Miner (AEMO)



### General Update – ICF\_059

#### **Description:**

• NEM Participants are unable to easily and accurately identify a customer's non-registered or non-classified generation capabilities.

#### **Recent AEMO activities:**

- AEMO investigated whether and how we could share certain data from the DER register with retailers and other NEM participants via NMI Discovery to address the issue raised in the ICF around lack of visibility of generation capability
- AEMO conducted desktop analysis of the law and rules: Expanding access to data in the DERR requires a rule change, noting the original
  intent of the DERR was to explicitly exclude retailers, and intended the role of the CDR was to provide the customer consent framework for
  this information to be shared
- AEMO has engaged stakeholders (AEMC, consumer advocates, innovative service provider): these parties emphasised concerns around consumer protections/data privacy and the need for an explicit informed consent process; pointed to CDR as intended to enable data sharing; wondered about scale of the problem and generally did not consider it to be a priority
  - Very little support from consumer advocates; in combination with AEMC's stance, this means it would be difficult to successfully argue for a rule change

#### Suggested next steps:

- Given these engagement outcomes, AEMO does not consider that it is likely to obtain a successful outcome by pursuing this issue as a standalone rule change.
- AEMO considers:
  - There may be opportunities to consider changes more holistically in the future in conjunction with other reforms
  - That alternative approaches to address the identified issue, which don't rely on a rule change, could be pursued initially

### General Update – ICF\_076

#### **Description:**

 Participants cannot easily identify and determine the magnitude of export/consumption and import/generation as part of their onboarding processes.

#### **AEMO's initial thinking**

- To avoid considerable complexity, AEMO is proposing for the values to not form part of NMI Standing Data
- Instead, values would be provided as part of a NMI Discovery Search 2 response
- Values would be calculated for Remotely Read Interval meters only
- Calculated values would be based on metering data received by AEMO from MDPs
- Calculated values would be based on a maximum of 12mths data
- Calculated values would be provided in kWhs
- Suggested field names are: Average Daily Sent Out and Average Daily Consumed

#### Suggested next steps:

• ERCF subgroup to assess this ICF in more detail, including options analysis

# AEMO

# ICF Register Update (Under assessment)

Issue/Change Title	Short Description	Proponent	ICF Ref#	Month ICF Raised	Current Status/Update
ADWNAN Reporting changes	Assignment of Interval ADWNANs to MDP in AEMO Performance Reports	Jane Hutson (EQL)	017	Sept 2019	Refer to the update slide in this pack
Clarification of End Date in Inventory Table	Some MDPs are using NCONUML Inventory Table End Date to identify when the metering data is last calculated, updating it each month. Proposal is to clarify the end-date be when there is a change to consumption or abolishment. If not, the End Date should be reflected as 31.12.9999.	Mark Riley (AGL)	056	Jan 2022	On hold, pending discussions at the B2B WG
Reviewing and updating file examples in the MDFF Specification document.	The MDFF document includes example files. Some of these files have not been updated to incorporate changes in the industry including 5MS and Global Settlements. AEMO Metering to review and update where required the examples in Appendix H of the MDFF Specification.	AEMO	067	Aug 2022	To be included in the next B2M consultation
Magnitude of generation and consumption at a NMI MSATS fields	Participants cannot easily identify and determine the magnitude of export/consumption and import/generation as part of their onboarding processes.	Mark Riley (AGL)	076	July 2023	Preliminary assessment is in progress. To be considered by the subgroup.
Auto population of the LCCD based on NMI status	Auto population of the LCCD field by AEMO when the NMI Status gets updated from 'Greenfield' to 'Active'	Mark Riley (AGL)	077	Aug 2023	Preliminary assessment is in progress. To be considered by the subgroup.



# ICF Register Update (Under Consultation – July 2023 REMP Consultation)

Issue/Change Title	Short Description	Proponent	ICF Ref#	Month ICF Raised	Current Status/Update
Substitution Type Review	The review requires consideration for new substitution rules to be implemented for interval metering data to replicate substitution rules derived from Manually Read Interval Meters and Accumulative Meters.	Mark Leschke (Yurika)	054	Jan 2022	Responses to the Draft Report due by 3 Nov 2023
NSLP Longer-term Methodology	Following the introduction of 5MS, participants have witnessed peculiar 'spikes' in settlement volumes. These spikes are a consequence of using the methodology outlined in AEMO's Metrology Procedures Part B.	AEMO	072	Feb 2023	Responses to the Draft Report due by 3 Nov 2023
Metrology Part A – Summation Metering Changes	<ul> <li>The proposal is to update clause 5 of Metrology Part A to clarify what is acceptable to support legacy summation metering arrangements and what will be acceptable going forward for new metering installation summation arrangements.</li> <li>The revised clause 5 proposed to allow three types of summation arrangements, which are: <ol> <li>HV breaker-and-a-half schemes</li> <li>HV single transformer fed by multiple parallel cables</li> <li>Cross boundary supply single transformer with multiple LV Circuits</li> </ol> </li> </ul>	Dominik Ziomek (AEMO)	073	May 2023	Responses to the Draft Report due by 3 Nov 2023



# ICF Register Update

### (Awaiting Effective Date/Release)

Issue/Change Title	Short Description	Proponent	ICF Ref#	Month ICF Raised	Current Status/Update
'Spikes' in settlement volumes within a 30-minute period	Following the introduction of 5MS, participants have witnessed peculiar 'spikes' in settlement volumes. These spikes occur within a 30-minute period and are a consequence of using the methodology outlined in AEMO's Metrology Procedures Part B.	Mark Riley (AGL)	060	Feb 2022	New methodology successfully implemented on 1 October 2023.
New fields in MSATS defined by a naming convention that does not align with the procedural field name.	With the introduction of new fields into MSATS as part of the MSDR it has become known that AEMO may create the new fields in MSATS defined by a naming convention that does not align with the procedural field name. The AEMO defined the field name may be based on their database name and participants are then required to create a mapping table within their systems to associate this name with the procedural field name that is defined in the Standing Data for MSATS document.	Adrian Honey (TasNetworks)	069	Oct 2022	New C1 'TF_DATA_ELEMENT_MAPPING' report to be implemented late Oct 2023
Review of NMI Classifications	Amend the Customer Threshold Codes table in CATS to reflect the relevant regulatory instruments in a footnote.	Mark Riley (AGL)	059	Jan 2022	Effective from 1 November 2023



# **ICF Register Update**

#### (Awaiting Effective Date/Release)

Issue/Change Title	Short Description	Proponent	ICF Ref#	Month ICF Raised	Current Status/Update
Update to allow MDPs to receive REJ notifications on CRs 5050 & 5051	<ul> <li>Updates to:</li> <li>Section 2.2 and Table 12-H of the CATS Procedure</li> <li>Table 7-F of the WIGS Procedure</li> </ul>	Jackie Krizmanic (AEMO)	074	June 2023	Effective from 1 November 2023
Updated wording re CATS LCCD Current FRMP Obligations	Update to Current FRMP LCCD Obligations in Section 2.2 of the CATS Procedure in order to make it clear when (and by whom) the LCCD field should be updated.	Chris Murphy (Telstra)	075	June 2023	Effective from 1 November 2023
Increase 'Building Name' Field Length in MSATS	MSATS to be updated to align to the Procedure and Australian Standards i.e. xsd:string maxLen = 30 x 2 therefore allowing for 60 characters in MSATS.	Wayne Turner (Ausgrid)	070	Nov 2022	Effective from 1 November 2024

### Notes

- Blaine Miner (AEMO) spoke to the 'ICF Register Update' slides
- Blaine reiterated that the newly formed ERCF subgroup will have responsibility for the consideration of new, in-flight and delivered ICFs from an Industry perspective
- The first subgroup meeting is expected to focus on:
  - The proposed 'Address Alignment' ICF
  - AEMO's proposal supporting ICF\_017
  - Potential options supporting ICF\_076, including member feedback regarding potentially leveraging existing ADL fields and values
  - Analysing options and timings associated to ICF\_077
- Action:
  - ERCF to provide feedback regarding AEMO's initial thoughts re ICF\_076



# Unlocking CER benefits through Flexible Trading

# Overview



- The Australian Energy Market Commission (AEMC) has published a Directions Paper that sets out the Commission's initial views and positions for unlocking CER benefits through flexible trading rule change. This rule change is seeking to improve flexibility and trading of consumers' energy resources (CER) to unlock value for consumers and to facilitate better integration of flexible CER into the power system to deliver a more reliable and secure energy system that would benefit all consumers.
- The Directions Paper builds on and responds to stakeholder input to the consultation paper published in December 2022.
- The rule change forms one of the many CER implementation reforms to achieve successful CER integration in the NEM.
- The Commission has split the rule change into three core areas:
  - Optimising the value of CER flexibility: Opportunities for separately identifying and managing flexible CER.
  - Flexible trading of CER with multiple energy service providers at residential and/or commercial premises.
  - Opportunities to improve how energy use is measured for street lighting and other street furniture (such as park BBQs).

# AEMO

# AEMO's rule change request

• AEMO has:

- put forward a rule change request that proposes a specific model (with a high level design) that seeks to enable consumers and the market to separate their flexible CER from their inflexible/passive loads (i.e., lights, fridges) and have them managed and recognised in the wholesale energy market settlements if they choose to.
- proposed the rule change request as it considers the current national electricity rules (NER) and in particular, the metering arrangements, do not support consumers to easily access products and services which maximise the value of their CER uptake.
- highlight that the separate metering of CER separate from inflexible or passive load (e.g., lights, fridges etc) is a means to unlock more CER value for consumers and the market.
- The proposed rule change request builds on the work and recommendations from the final advice of the Energy Security Board's (ESB) post-2025 market design.

# **AEMC Criteria**

- The AEMC outlined the following six criteria:
  - Outcomes for consumers
  - Technical feasibility and impacts on safety, security, and reliability
  - Principles of market efficiency, in particular, competition
  - Increases to innovation and flexibility
  - Implementation requirements and functions and associated costs
  - Decarbonisation
- Energeia has been engaged by the AEMC to assess the costs and benefits of increased integration of CER flexibility both to consumers and the system.
  - Energeia's analysis will involve three key steps:
    - Developing a methodology to model the whole of system benefits different types of load flexibility, focusing on CER connected to the low-voltage network.
    - Developing case studies to show how the benefits of CER will flow to customers with CER, customers without CER, and energy market service providers (including retailers, networks, and aggregators).
    - Forecasting the growth of flexible loads to 2050 to show the long-term benefits of optimising the value of CER flexibility.

# Interaction with other CER implementation plan reforms

- There are a number of key reforms being progressed that are relevant to or intersect with this rule change:
  - Integrating price-responsive resources into the NEM
  - AEMC metering review
  - AEMC Review into CER Technical Standards
  - Former ESB customer collaboration work
  - Interoperability
  - Data work program
  - Dynamic Operating Envelopes (DOEs)
  - NECF
- Additional information about these items can be found in section 2.4.1 on the AEMC's Directions Paper
  - https://www.aemc.gov.au/sites/default/files/2023-08/ERC0346%20CER%20Benefits%20Directions%20paper%20-%20rule%20change.pdf

# **Items of Interest**



The rule change is being considered across three core areas

Optimising the value of CER flexibility - Opportunities for separately identifying and managing flexible CER.

Flexible trading of CER with multiple energy service providers at large customer premises - that is commercial and industrial consumers.

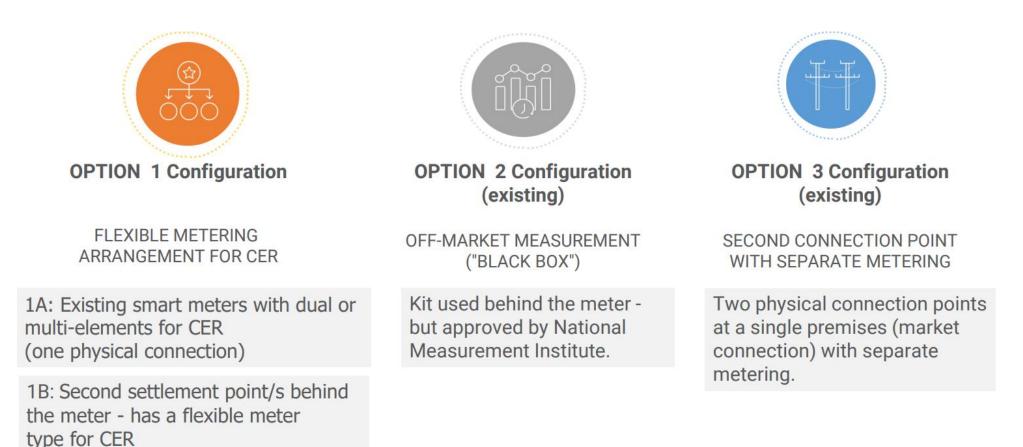


Opportunities to improve how energy use is measured for street lighting and other street furniture (such as park BBQs).

Source: Unlocking CER Benefits through flexible trading Public Forum 16 Oct 2023



# Separately identifying and managing flexible CER – metering configurations

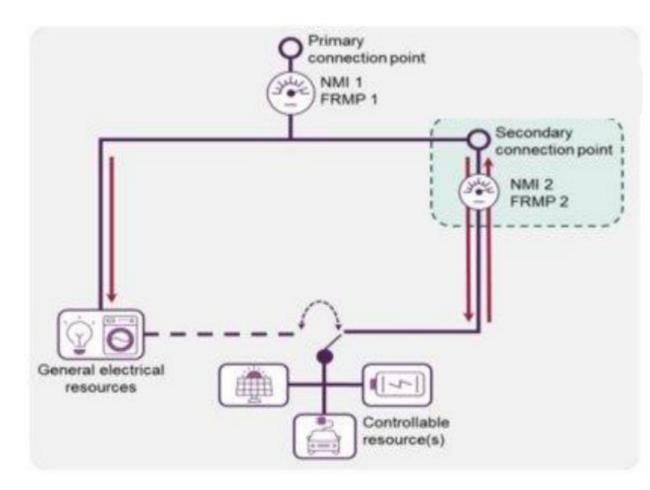


Source: Unlocking CER Benefits through flexible trading Public Forum 16 Oct 2023

(nb. one physical connection)



# Flexible trading with multiple service providers for large customers



Source: Unlocking CER Benefits through flexible trading Public Forum 16 Oct 2023



# **AEMC Indicative Rule Change Timings**



Source: Unlocking CER Benefits through flexible trading Public Forum 16 Oct 2023

### **Notes**

- Blaine Miner (AEMO) spoke to the 'Unlocking CER benefits through Flexible Trading' slides
- No member feedback was raised/noted



## Items of Interest

Blaine Miner and Kate Gordon (AEMO)



### **Items of Interest**

Title	Description/Objective	Comments/Links	
MSATS Enumerations Notice	Notices published to the ERCF regarding proposed changes to 'Valid Transformer Fields values' associated to Table 27 in the Standing Data for MSATS procedure	Proposed changes associated to the first notice became effective, and available in MSATS, from Friday 6 October 2023	
NEM Reform Implementation Roadmap	AEMO's NEM Reform Implementation roadmap (the Roadmap) provides AEMO and stakeholders with a holistic view of the reforms impacting Australia's east coast Electricity and Gas markets.	NEM Reform Implementation Roadmap v3 now published https://aemo.com.au/-/media/files/initiatives/regulatory- implementation-roadmap/tiles/nem-reform-implementation- roadmap-v3-final-oct- 2023.xlsx?la=en&hash=DBB19E05ADD11D80A6CA55CB5FBBB 316	
Information Data Exchange (IDX)	To enable unified access to AEMO services across all markets, using modern authentication and communication protocols, facilitating a cohesive approach to industry data exchange. This will leverage IDAM	'Business case' sessions scheduled for November 2023	
Identity and Access Mgt (IDAM)	To establish a unified mechanism to authenticate participant users and applications when accessing AEMO services.	'Business case' sessions scheduled for November 2023	
Portal Consolidation (PC)	To create a 'single pane of glass' user experience for participants accessing all AEMO browser based services	'Business case' sessions scheduled for November 2023	
Changes to Retailer Of Last Resort (RoLR) Procedures	Seeking to identify and implement improvements to the existing Electricity and Gas RoLR related activities/processes.	Engagement with Industry ongoing First B2B consultation completed 18 Sept 2023	
Unlocking Consumer Energy Resources (CER) Benefits through Flexible Trading	Rule change request that aims to unlock consumer energy resources (CER) benefits through flexible trading arrangements.	AEMC Draft Determination to be published Feb 2024 https://www.aemc.gov.au/rule-changes/unlocking-CER- benefits-through-flexible-trading	

### **Items of Interest**



Title	Description/Objective	Comments/Links
Review of the regulatory framework for metering services	Seeking to identify options to accelerate the deployment of smart meters in the National Electricity Market (NEM).	MSR-WG established with the first introductory meeting occurring on Friday 6 Oct. Two face-to-face workshops scheduled for 1-3 and 23-24 Nov 2023 in Melbourne
July B2M Consultation	<ul> <li>ICF inclusions:</li> <li>ICF_054 - Substitution Type Review (Met Part B)</li> <li>ICF_072 - New NSLP Longer-term Methodology (Met Part B and MDM)</li> <li>ICF_073 - Updates to clause 5 of Metrology Part A</li> </ul>	Responses to the Draft Report due by 3 Nov 2023 https://aemo.com.au/consultations/current-and-closed- consultations/july-2023-retail-electricity-market-procedures- consultation
Nov 2023 Procedure Consolidations	<ul> <li>CATS, WiGS and Standing Data for MSATS</li> </ul>	Final Procedures due to be published by Mon 30 Oct 2023 https://aemo.com.au/consultations/current-and-closed- consultations/november-2023-consolidation-process

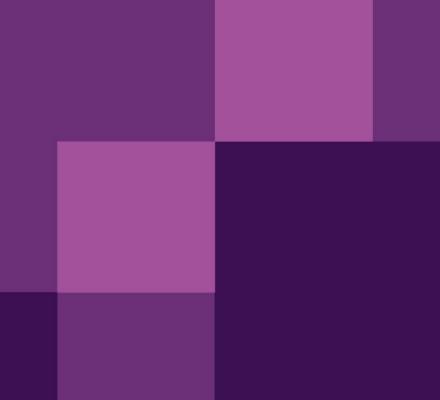
#### **Notes**

- Blaine Miner (AEMO) spoke to the 'Items of Interest' slides
- Members noted that the new 'MSATS Enumerations Notice' process was simpler and easier to administer than the previous process



## General Business and Next Steps

Blaine Miner (AEMO)



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## **General Business & Next Steps**

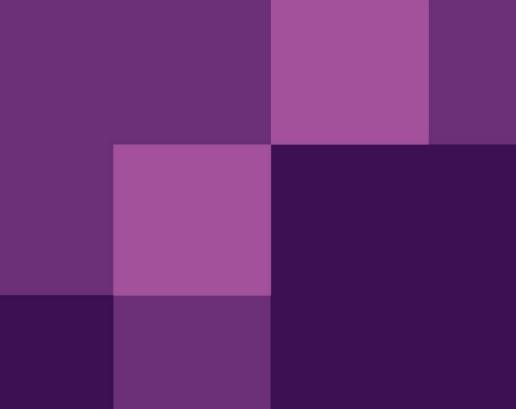
- Are there any other general business items members wish to raise?
- Actions and notes to be circulated asap
- Next and final meeting for 2023 scheduled for Monday 27 November 2023
- Please send through any proposed agenda items, questions or suggested meeting improvements to <u>ERCF@aemo.com.au</u>

#### **Notes**

- Blaine Miner (AEMO) spoke to the 'General Business and Next Steps' and the 'Appendix' slides
- No member feedback was raised/noted



## Appendix



### **Completed Consultations**



Consultation	Short Description	Current Status/Update
UFE Reporting Guidelines	Consultation to facilitate informed debate and feedback by industry about the proposed content of the UFE reporting guidelines to meet the objectives for 3.15.5B in the NER.	<ul> <li>New procedure effective from 1 March 2023</li> <li><u>https://aemo.com.au/consultations/current-and-closed-consultations/ufe-reporting-guidelines-consultation</u></li> </ul>
Load Profiling (ICF_060)	<ul> <li>Following the introduction of 5MS, participants have witnessed peculiar 'spikes' in settlement volumes. These spikes occur within a 30-minute period and are a consequence of using the methodology outlined in AEMO's Metrology Procedures Part B. This consultation will seek to determine a preferred long-term methodology. Procedures impacted include: Metrology Part B and MDM Procedure.</li> <li>Consultation also includes:</li> <li>ICF_055 - Embedded Network Codes</li> <li>ICF_064 - 'HouseNumberToSuffix' field</li> <li>ICF_065 - Removal of NMI Discovery Type 3 limitations</li> </ul>	<ul> <li>New 5MLP methodology to become effective from 1 October 2023</li> <li>ICFs_055, 64 and 65 effective from 30 May 2023</li> <li><u>https://aemo.com.au/consultations/current-and-closed-consultations/load-profiling-methodologies-consultation</u></li> </ul>
Consumer Data Right (CDR) Minor Amendment	Consultation required to support the effective date change of the LCCD obligations to 1 Nov 2023	<ul> <li>LCCD obligations to become effective from 1 November 2023</li> <li><u>https://aemo.com.au/consultations/current-and-closed- consultations/consumer-data-rights-cdr-msats-minor- amendment-proposal</u></li> </ul>

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### **Completed Consultations**

Consultation	Short Description	Current Status/Update
Stand-alone Power Systems (SAPS) Error Corrections and Clarifications	Amendments to various procedures, including MDM procedures, MP SLP and MDP SLP	<ul> <li>Final Determination published 26 May 2023 with an effective date of 30 May 2023</li> <li><u>https://aemo.com.au/consultations/current-and-closed-consultations/saps-retail-procedures-error-corrections-and-clarifications</u></li> </ul>
May 2023 Procedure consolidation	Consolidation required for the CATS, WIGs and Standing Data for MSATS documents effective 30 May 2023	<ul> <li>Final Determination published 29 May 2023 with an effective date of 30 May 2023</li> <li><u>https://aemo.com.au/consultations/current-and-closed-consultations/may-2023-consolidation-process</u></li> </ul>
Business to Business (B2B) NEM RoLR Changes	<ul> <li>The changes (Changes) which are proposed (Proposal) are intended to:</li> <li>Enhance the Retailer of Last Resort (RoLR) B2B Customer Details Report provided by the failed/suspended retailers to the RoLR.</li> <li>Correct identified errors in the Procedure.</li> <li>Address gaps in obligations on the treatment of inflight work requests where the work is being undertaken by a non-LNSP service provider.</li> </ul>	<ul> <li>Final Determination published 18 Sept 2023 with an effective date of 1 November 2023</li> <li><u>https://aemo.com.au/consultations/current-and-closed-consultations/business-to-business-nem-rolr-changes</u></li> </ul>
Integrated Energy Storage Systems (IESS) plus Other Matters	<ul> <li>A new registration category, the Integrated Resource Provider (IRP), that allows storage and hybrids to register and participate in a single registration category rather than under two different categories.</li> <li>Consultation also includes:</li> <li>ICF_059 – NMI Classification Code Recommendations</li> <li>ICF_070 - Increase 'Building Name' Field Length in MSATS</li> </ul>	<ul> <li>Final Determination published 18 Sept 2023 with multiple effective dates: 1 Nov 2023 (ICF-059), 2 June 2024 (IESS) and 1 Nov 2024 (ICF_070)</li> <li><u>https://aemo.com.au/consultations/current-and- closed-consultations/integrating-energy-storage- systems-into-the-nem-retail-electricity-market- procedures-consultation</u></li> </ul>



### **Completed Consultations**

Consultation	Short Description	Current Status/Update
ICF Minor Amendment Process	<ul> <li>To consult on minor changes associated to:</li> <li>ICF_074 - Update to allow MDPs to receive REJ notifications on CRs 5050 &amp; 5051</li> <li>ICF_075 - Updated wording re CATS LCCD Current FRMP Obligations</li> </ul>	Final Determination published 11 Sept 2023 with an effective date of 1 Nov 2023 <u>https://aemo.com.au/consultations/current-and-closed- consultations/issue-change-form-icf-minor-amendments- package-august-2023</u>
October 2023 Consolidation	Consolidated the version history table in the MDM Procedure to accurately reflect previously consulted on versions	Final Determination published 28 Sept 2023 with an effective date of 1 Oct 2023 <u>https://aemo.com.au/consultations/current-and-closed-consultations/october-2023-consolidation-process</u>



### **ICFs Awaiting Implementation**

ICF ID	Description	AEMO Impact	Scheduled Release Date
059	Amend the Customer Threshold Codes table in CATS to reflect the relevant regulatory instruments in a footnote.	Procedure only	• 1 November 2023
069	New fields in MSATS defined by a naming convention that does not align with the procedural field name.	System change	• 1 November 2023
074	<ul> <li>Updates to:</li> <li>Section 2.2 and Table 12-H of the CATS Procedure</li> <li>Table 7-F of the WIGS Procedure</li> </ul>	<ul> <li>Procedure &amp; System change</li> </ul>	• 1 November 2023
075	Update to Current FRMP LCCD Obligations in Section 2.2 of the CATS Procedure in order to make it clear when (and by whom) the LCCD field should be updated.	Procedure only	• 1 November 2023
070	MSATS to be updated to align to the Procedure and Australian Standards i.e. xsd:string maxLen = 30 x 2 therefore allowing for 60 characters in MSATS.	Procedure & System change	• 1 November 2024



For more information visit

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