

ERCF Monthly Meeting

29 January 2024

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



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
 - 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

Agenda

1. Welcome
2. Metering Services Review Working Group Update
3. Subgroup Update
4. Items of Interest
5. General Business and Next Steps
6. Appendix
 - ERCF Subgroup membership
 - ICFs Awaiting Implementation

Notes

- Blaine Miner (AEMO) welcomed the ERCF members to the first meeting of 2024 and spoke to the 'Online forum housekeeping', 'AEMO Competition Law Meeting Protocol' and 'Agenda' slides



Metering Services Review Working Group Update

Blaine Miner (AEMO)

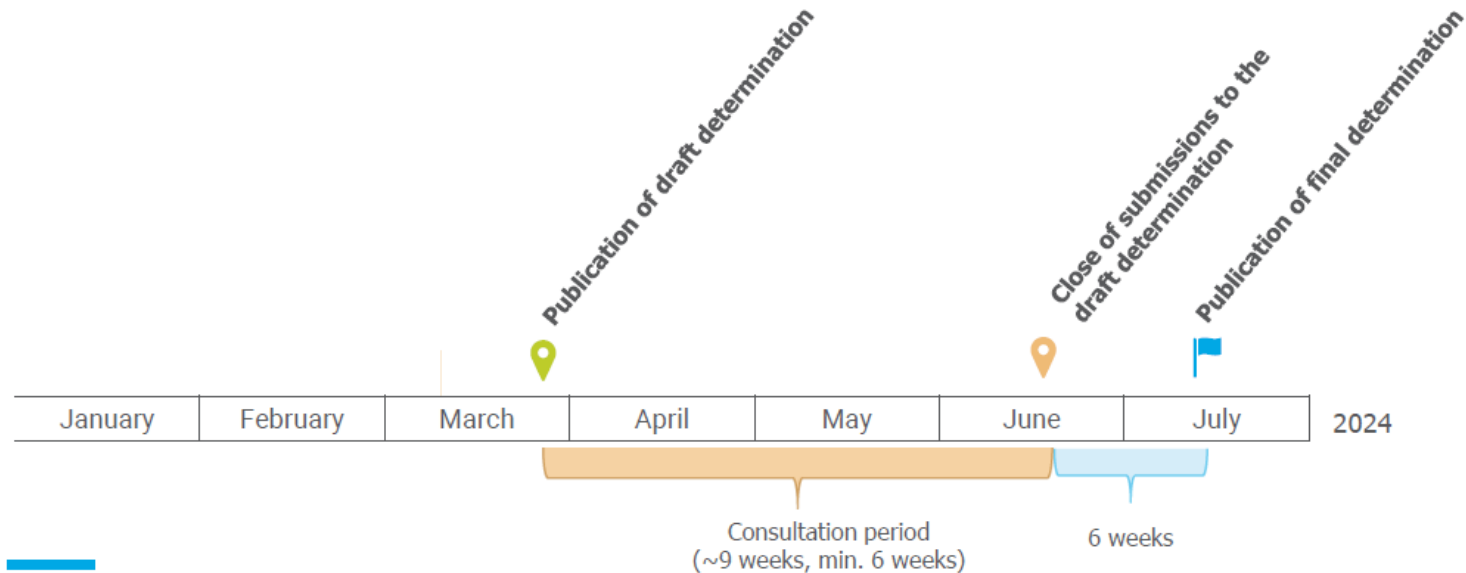
Background

- The MSR-WG was formed to:
 - Identify suboptimal aspects of the AEMC's Final Report, to help inform AEMC Rule Change submissions
 - Develop key artifacts/content to inform the ERCF, B2B-WG, AEMC and other key stakeholders of potential MSR considerations and impacts
 - Support AEMO and the IEC in preparing for, and executing, Procedural consultations
- The MSR- WG comprises: 5 Retailer reps, 8 Network reps, 4 Metering reps and AEMO reps
- Four meetings/workshops have occurred so far:
 - 6 October 2023
 - Initial meeting via Teams
 - 1-3 November 2023
 - Face to face workshop in Melbourne
 - 23-24 November 2023
 - Face to face workshop in Melbourne
 - 17-18 January 2024
 - Face to face workshop in Sydney

Indicative AEMC Timelines

(As per the Reference Group meeting held on 14 December)

The Commission is eager for a timely rule change to support following implementation work

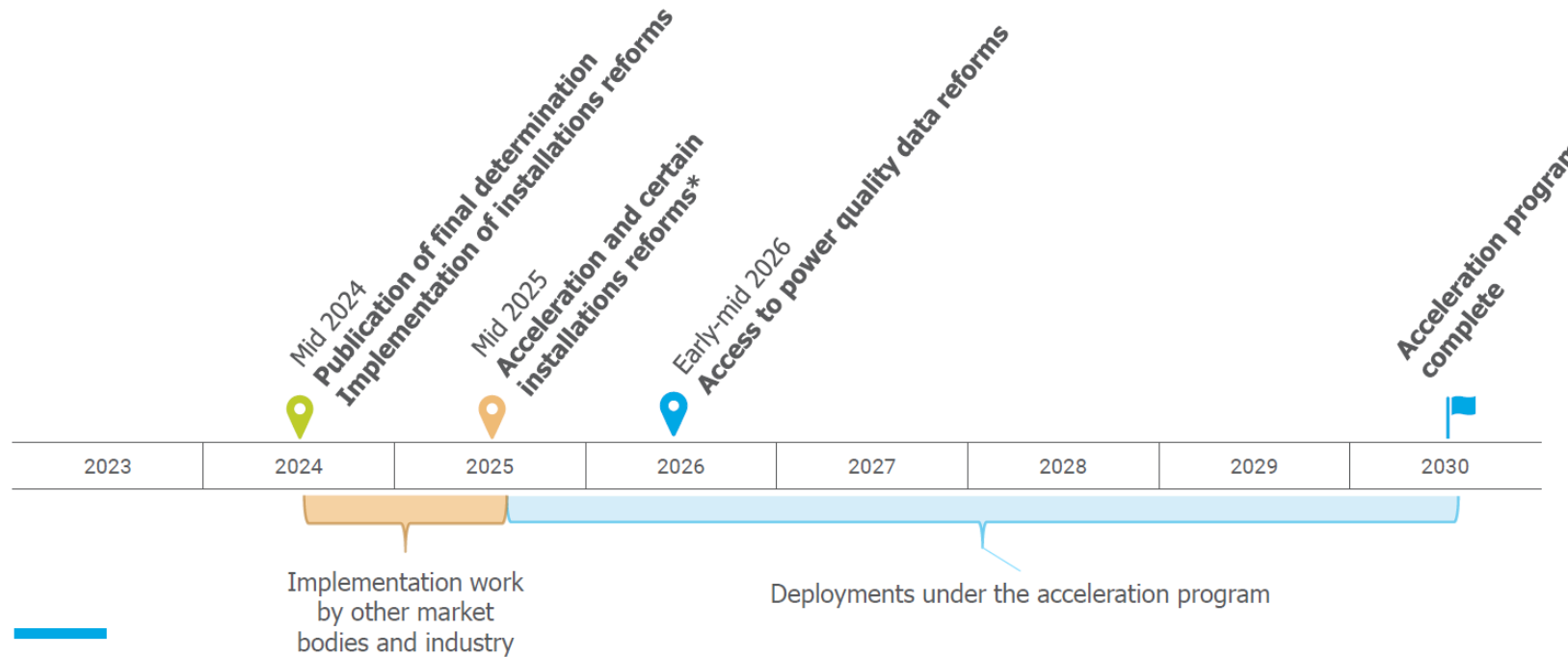


Note: These are indicative dates

Indicative AEMC Timelines

(As per the Reference Group meeting held on 14 December)

We think implementation of reforms related to power quality data can be later than the other reforms



*one-in-all-in and site defect notification and tracking process

Note: These are indicative dates

AEMC Final Report Recommendations

The MSR-WG determined last year that the following AEMC Final Report recommendations would be treated as ‘Priority 1’ items for their consideration:

1. Universal deployment of smart meters by 2030
2. New regulatory arrangements to deliver smart meters for customers
3. Reduced number of retail notices
4. Introduction of a process to encourage customers to remediate site defects, and to track sites that need remediation
5. Improve industry coordination and minimise negative customer impacts in shared fusing installations

LMRP

- AEMC Final Report Context
 - DNSPs are proposed to be required to develop ‘Legacy meter retirement plans’ (LMRPs) that schedule clusters of legacy meters to be retired and replaced each year of the five-year acceleration period (such as by postcode). DNSPs will be required to develop these LMRP schedules in consultation with key stakeholders.
- WG update
 - Identified solution options:
 - MSATS standing data
 - Communication of NMI assignments to LMRP tranches through the MSATS standing data framework i.e. a new MSATS field
 - DNSPs to update the LMRP MSATS field using the Blind Update Tool (BUT) or new CATS CRs.
 - B2B notifications
 - DNSPs issue B2B One Way Notifications (Meter Fault and Issue Notification) for each NMI in the LMRP.
 - Other
 - Communication of NMI assignments to LMRP tranches and additional information through an alternative solution e.g. CSV files
- Next steps
 - AEMO to consider, and prepare for consultation, if required, on the MSATS standing data option
 - B2B-WG to consider, and prepare for consultation, if required, on the B2B notifications and ‘Other’ options

Defects

- AEMC Final Report Context
 - The Commission has proposed to implement a customer notification and record-keeping process for circumstances where metering coordinators encounter customer-site defects preventing meter exchanges.
- WG update
 - The MSR-WG has identified, and recommended to the AEMC, a preferred process which enables a more efficient and effective solution
 - Site defect customer notifications to not be captured in MSATS, only captured and audited via Retailer systems
 - Retailer notification to the customer is to be simplified to always restart when there is a change in retailer or customer
 - Introduction of 2 new MSATS fields, e.g. DefectType and OriginatingMC
- Next steps
 - AEMO to consider and prepare for potential consultation inclusion of:
 - The MSR-WG's preferred process
 - The AEMC's Final Report process

One-in-all-in

- AEMC Final Report Context
 - The Commission recommended a ‘one-in-all-in’ approach to meter replacements to improve meter replacement efficiency and customer experience in scenarios where meters for customers on a shared fuse need to be replaced.
 - These sites, typically found in multi-occupancy dwellings, pose a barrier to rolling out smart meters in certain areas and usually result in a negative customer experience.
 - Under the ‘one-in-all-in’ approach, MCs will replace the legacy meters for all customers on a shared fuse simultaneously under a coordinated approach. This will make it easier to undertake meter replacements and improve customer experience on a shared fuse
- WG update
 - The MSR-WG has established the high-level process flows associated to a ‘vanilla’ shared fuse scenario
 - Other variations to the ‘vanilla’ shared fuse scenario have been discussed, including Retailer churn and defect scenarios
 - Identified defect options include:
 - Application of the preferred ‘Single site’ defect solution
 - The identifying MC updating the MSATS defect fields for all associated NMIs on behalf of the other applicable MCs
 - AEMO or DBs updating the MSATS defect fields for all associated NMIs on behalf of the other applicable MCs
- Next steps
 - The MSR-WG has handed over its thinking, processes and context to the B2B-WG for its consideration and outworking
 - The B2B-WG will now have responsibility for completing this analysis, including preparation for the associated IEC consultation

Proposed Procedure Consultation Approach

The following approach is being proposed regarding MSR Procedure consultations:

- AEMO and the IEC to run and administer procedure consultations (BAU)
- AEMO, the MSR-WG and the B2B-WG supports these processes as required
- Procedure consultations to be broken into more ‘consumable’ packages
- AEMO (B2M) and the IEC (B2B) consultations to occur concurrently where applicable
- The AEMC Draft Rule to be published prior to the commencement of any procedure consultations
- The AEMC Final Rule to be published prior to the publishing of a procedure consultation’s Draft Determination

Proposed Packages	Indicative/target Commencement Dates
1. Accelerated rollout (LRMP/Defects/One-in-all-in)	~ May 2024 (B2M and B2B)
2. Testing/Inspections/Exemptions	~ July 2024 (B2M only)
3. Power Quality Data	~ March/April 202 ⁵ (B2M and B2B) <ul style="list-style-type: none"> • Assumes a post 1 Jul 2025 PQ Rule effective date

Summary

Topic	Current Actions Responsibility	Comments
LMRP	AEMO and the B2B-WG	<ul style="list-style-type: none"> AEMO to consider, and prepare for consultation, if required, the MSATS standing data option B2B-WG to consider, and prepare for consultation, if required, the B2B notifications and 'Other' options
Defects	AEMO and the B2B-WG	<ul style="list-style-type: none"> AEMO to consider and prepare for potential consultation inclusion of: <ul style="list-style-type: none"> The MSR-WG's preferred process The AEMC's Final Report process
One-in-all-in	B2B-WG	<ul style="list-style-type: none"> B2B-WG to determine, and prepare for consultation, if required, the proposed One-in-all-in processes
Power Quality	MSR-WG	<ul style="list-style-type: none"> MSR-WG consideration and analyse to commence at the virtual meeting on 12 Feb 2024
Testing/ Inspections/ Exemptions	MSR-WG	<ul style="list-style-type: none"> MSR-WG consideration and analyse to commence at the face-to-face meeting on 5-6 Mar 2024
Consultation	AEMO and the B2B-WG	<ul style="list-style-type: none"> Start to plan for, and prepare for, the Package 1 consultation content (AEMO for the B2M consultation and the B2B-WG for the B2B consultation)

Next Steps

- MSR-WG Meetings and workshops to continue
 - 12 February 2024 - Virtual via Teams
 - Proposed agenda:
 - Package 1 consultation update (B2M and B2B)
 - Consultation artifacts: Paper plus change marked procedures
 - Power Quality Data, focusing on AEMC Rule Change advice
 - 5-6 March 2024 - Face-to-face workshop (Brisbane)
 - Proposed agenda:
 - Package 1 consultation update
 - AEMO and IEC review and approval processes
 - In-depth discussion re:
 - Testing/Inspections/Exemptions
 - Power Quality Data
 - AEMO and the B2B-WG to prepare for Package 1 consultation
 - Updates to be provided to the ERCF on a monthly re recent activities

Notes

- Blaine Miner (AEMO) spoke to the 'Metering Services Review Working Group Update' slides
- No further actions were raised/captured



Subgroup Update

Noura Elhawary (AEMO)

Open ICF Summary

Assessment Stage	# of ICFs	ICF Titles
Initial assessment	2	ICF 077 - Auto population of the LCCD based on NMI status ICF_080 - SDQ Information Availability
Detailed analysis	4	ICF 017 - Updating the existing ADWNAN_INTERVAL report for LNSPs ICF 076 - Magnitude of generation and consumption at a NMI MSATS fields ICF 078 - Alignment of Addressing in B2M Procedures to AS4590.1.2017 ICF 081 - New ADWNAN_INTERVAL report for MDPs
On Hold	1	ICF 056 - Clarification of End Date in Inventory Table (being considered by the B2B-WG)
Awaiting Consultation	2	ICF 067 - Reviewing and updating file examples in the MDFF Specification document. ICF 079 - NEM 12 MDFF Inconsistencies
Awaiting Implementation	3	ICF 054 - Substitution Type Review ICF 072 - NSLP Longer-term Methodology ICF 073 - Metrology Part A - Summation Metering Changes

ADWNAN Reporting changes (ICF_017)

Detailed analysis has been undertaken by AEMO and the following has been proposed to participants:

1. Updating the existing ADWNAN_INTERVAL report for LNSPs to only report on Actuals.
 - Proposed criteria of the LNSP RM29 Report:
 - Only NMIs with a NMI Status of De-energised, Extinct or Greenfield ('D', 'X', 'G') status should be included
 - Active DataStream ('A' Status) with an 'E', 'B', 'N' suffix.
 - Days where all intervals (either 288, 96, 48) are Actuals ('A') data. [Substitutes \('S'\) to be excluded.](#)
 - At least one interval must be non-zero.
 - Report filters to exclude any NMIs that have an embedded network child.
 - The relevant period is from seven days prior to the query date, extending back up to the last 140 days to encompass any changes related to 'Revision2'.
2. New ADWNAN_INTERVAL report for MDPs to only report on Substitutes.
 - Proposed criteria of the MDP RM29 Report:
 - Only NMIs with a NMI Status of De-energised, Extinct or Greenfield ('D', 'X', 'G') status should be included
 - Active DataStream ('A' Status) with an 'E', 'B', 'N' suffix.
 - Days where all intervals (either 288, 96, 48) are [Substitutes \('S'\)](#).
 - At least one interval must be non-zero.
 - Report filters to exclude any NMIs that have an embedded network child.
 - The relevant period is from seven days prior to the query date, extending back up to the last 140 days to encompass any changes related to 'Revision2'.

ADWNAN Reporting changes (ICF_017)

3. AEMO plans to introduce a new ICF to look into a new RM29 data report ADWNAN_INTERVAL_DAILY_AGG, delving into data stream level details. The value and scope of this complementary report to be examined in 2024.

Meter Creep:

- Participants provided examples of electronic meter creep to the ERCF-SG. Participants feedback seems to support the allowance of meter creep in the ADWNAN reports, both the current report and any new report being implemented.

Magnitude of generation and consumption (ICF_076)

The following options were identified as possible solutions:

- Option 1: ADL enabled with aggregate values added to the NMI Discovery header.
 - Option 2: AEMO option which calculates and provides Average Daily Sent Out and Average Daily Consumed as part of NMI Discovery.
 - Option 3: Enhance the browser to display ADL values.
-
- The participant feedback received so far is supportive of option 2 which is AEMO's proposal of a NMI level representation of Average Daily Sent Out and Average Daily Consumed values available in in the front screen of NMI Discovery.

ICF Register Update

(Initial analysis)

Issue/Change Title	Short Description	Proponent	ICF Ref#	Month ICF Raised	Current Status/Update
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	August 2023	AEMO conducting initial assessment
SDQ Information Availability	All externally facing Retail and Metering report details and specifications e.g. Cx, RMxx, etc. should be formally documented and published to the AEMO website for stakeholder access	CitiPower Powercor United Energy	080	December 2023	AEMO conducting initial assessment

ICF Register Update

(Detailed analysis)

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	<ul style="list-style-type: none"> • Simon provided short term solution of updating existing ADWNAN report for LNSP and creating new report for MDPs. • Simon to create new ICF for long term solution of daily aggregated ADWNAN reports. • Participants provided examples of electronic meter creep and are supportive of including it into the ADWNAN reports.
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	<ul style="list-style-type: none"> • Discussed at ERCF-SG. • Feedback received so far supported Option 2. • AEMO to assess reliability of MDP maintained register level ADL values.

ICF Register Update

(Detailed analysis)

Issue/Change Title	Short Description	Proponent	ICF Ref#	Month ICF Raised	Current Status/Update
Alignment of Addressing in B2M Procedures to AS4590.1.2017	To align B2M procedures' address standards with AS4590.1:2017, replacing the superseded AS4590-1999.	AEMO	078	Oct 2023	<ul style="list-style-type: none"> AEMO to confirm where misalignments currently exist ERCF-SG to determine recommendations to the ERCF
New ADWNAN_INTERVAL report for MDPs	<p>A new ICF has been introduced by AEMO during the detailed analysis of “ICF_017 ADWNAN Reporting Changes”, the new ICF proposes the following:</p> <ul style="list-style-type: none"> Create a new RM29 data report ADWNAN_INTERVAL_DAILY_AGG delving into data stream level details. The value and scope of this report is to be examined and determined. Electronic meter creep threshold to be included in the new report. 	AEMO	081	January 2024	<ul style="list-style-type: none"> To be discussed in the Feb ERCF-SG.

ICF Register Update

(Awaiting consultation or On hold)

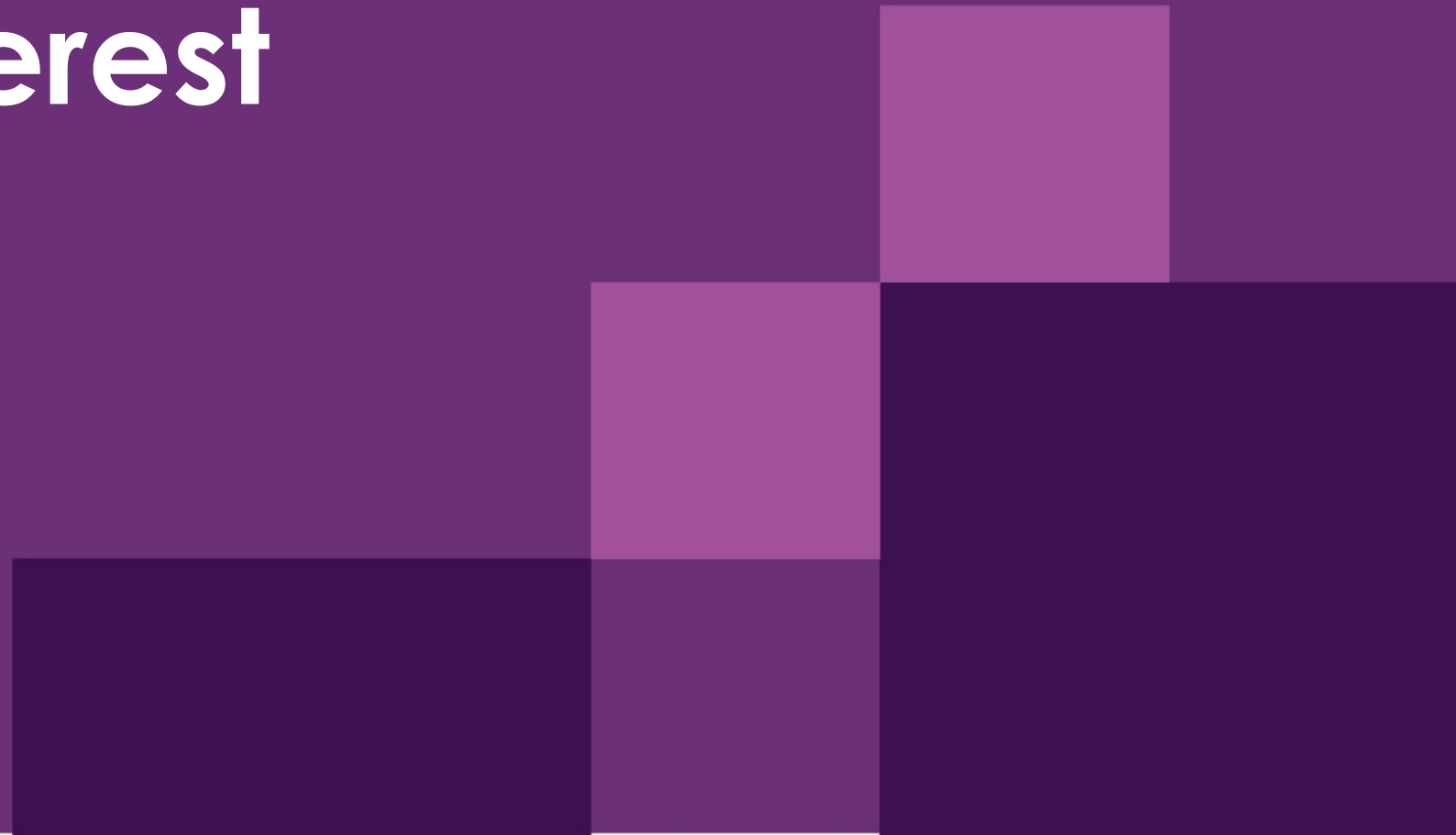
Issue/Change Title	Short Description	Proponent	ICF Ref#	Month ICF Raised	Current Status/Update
Reviewing and updating file examples in the MDFF Specification document.	The MDFF document includes example files. Some of these files have not been updated to incorporate changes in the industry including 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
NEM 12 MDFF Inconsistencies	The NEM 12 MDFF has a inconsistent obligation relating to the provision of 400 block data for Actual reads.	Mark Riley (AGL)	079	November 2023	To be included in the next B2M consultation
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

Notes

- Noura Elhawary (AEMO) spoke to the 'Subgroup Update' slides, noting that the subgroup is scheduled to meet for the first time in 2024 on Monday 5 Feb
- ICF_017 and ICF_081
 - In response to a question raised in the chat, AEMO took an action provide the ERCF an indicative implementation timeline regarding the proposed changes to the current RM29 report (ICF_017) by the next meeting. Changes associated with ICF_081, the proposed new RM29 report equivalent for MDPs, will be considered by the ERCF Subgroup.
- ICF_078
 - Blaine Miner (AEMO) provided further clarification that the ERCF Subgroup will consider identified misalignments to the Standards on their merits i.e. misalignments will not be 'corrected' unless a need or value proposition is present
- ICF_067 and ICF_079
 - Blaine Miner (AEMO) clarified that AEMO is committing to including these 2 ICFs into the next B2M ICF consultation
 - Details associated to the proposed changes to the MDFF Specification will be provided to the ERCF, and its subgroup, prior to formal consultation commencing
- Blaine mentioned that ICFs which require a NER consultation, which require AEMO system changes, will not have an effective date prior to May 2025
- **Actions:**
 - AEMO to provide the ERCF an indicative implementation timeline regarding the proposed changes to the current RM29 report (ICF_017)

Items of Interest

Blaine Miner (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 latest notice to become effective, and available in MSATS, from Monday 5 Feb 2024
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 v3.1 now published https://aemo.com.au/-/media/files/initiatives/regulatory-implementation-roadmap/tiles/nem-reform-implementation-roadmap-v3-1.xlsx?la=en&hash=4ED1F31C11867C88ACF7CF868E1E31D0
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' related sessions scheduled through to March 2024. <ul style="list-style-type: none"> Walkthrough of the draft business case occurred on Monday 22 Jan.
Identity and Access Mgt (IDAM)	To establish a unified mechanism to authenticate participant users and applications when accessing AEMO services.	'Business case' related sessions scheduled through to March 2024. <ul style="list-style-type: none"> Walkthrough of the draft business case occurred on Monday 22 Jan.
Portal Consolidation (PC)	To create a 'single pane of glass' user experience for participants accessing all AEMO browser based services	'Business case' related sessions scheduled through to March 2024. <ul style="list-style-type: none"> Walkthrough of the draft business case occurred on Monday 22 Jan.
Changes to Retailer Of Last Resort (RoLR) Procedures	Seeking to identify and implement improvements to the existing Electricity and Gas RoLR related activities/processes.	Targeting Q2 AEMO and IEC consultations
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 currently expected late 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).	Updated provided earlier in the meeting
July B2M Consultation	ICF inclusions: <ul style="list-style-type: none"> • ICF_054 - Substitution Type Review (Met Part B) • ICF_072 - New NSLP Longer-term Methodology (Met Part B and MDM) • ICF_073 - Updates to clause 5 of Metrology Part A 	Final Determination was published on Monday 11 Dec 2023 https://aemo.com.au/consultations/current-and-closed-consultations/july-2023-retail-electricity-market-procedures-consultation
Upcoming consultations	<ul style="list-style-type: none"> • Metering Services Review (MSR) <ul style="list-style-type: none"> • Indicative commencement dates <ul style="list-style-type: none"> • Package 1: Accelerated rollout <ul style="list-style-type: none"> • May 2024 • Package 2: Testing/Inspections/Exemptions <ul style="list-style-type: none"> • July 2024 • Package 3: Power Quality Data (PQD) <ul style="list-style-type: none"> • Q1/Q2 2025 • RoLR Review and ICFs <ul style="list-style-type: none"> • Indicative commencement date <ul style="list-style-type: none"> • Q2 2024 	<ul style="list-style-type: none"> • MSR and RoLR/ICFs to be consulted on separately • AEMO and the ERCF need to confirm which proposed ICFs will be included in the Q2 consultation

Notes

- Blaine Miner (AEMO) spoke to the 'Items of Interest' slides
- Blaine mentioned that exact timings regarding upcoming B2M consultations are dependent on:
 - The AEMC's Rule Change process for MSR
 - ERCF and ERCF subgroup considerations regarding applicable ICFs
- To enable a Q2 ICF consultation, the ERCF and its subgroup must determine and complete the required actions needed associated to proposed ICF inclusions by the end of March



General Business and Next Steps

Blaine Miner (AEMO)

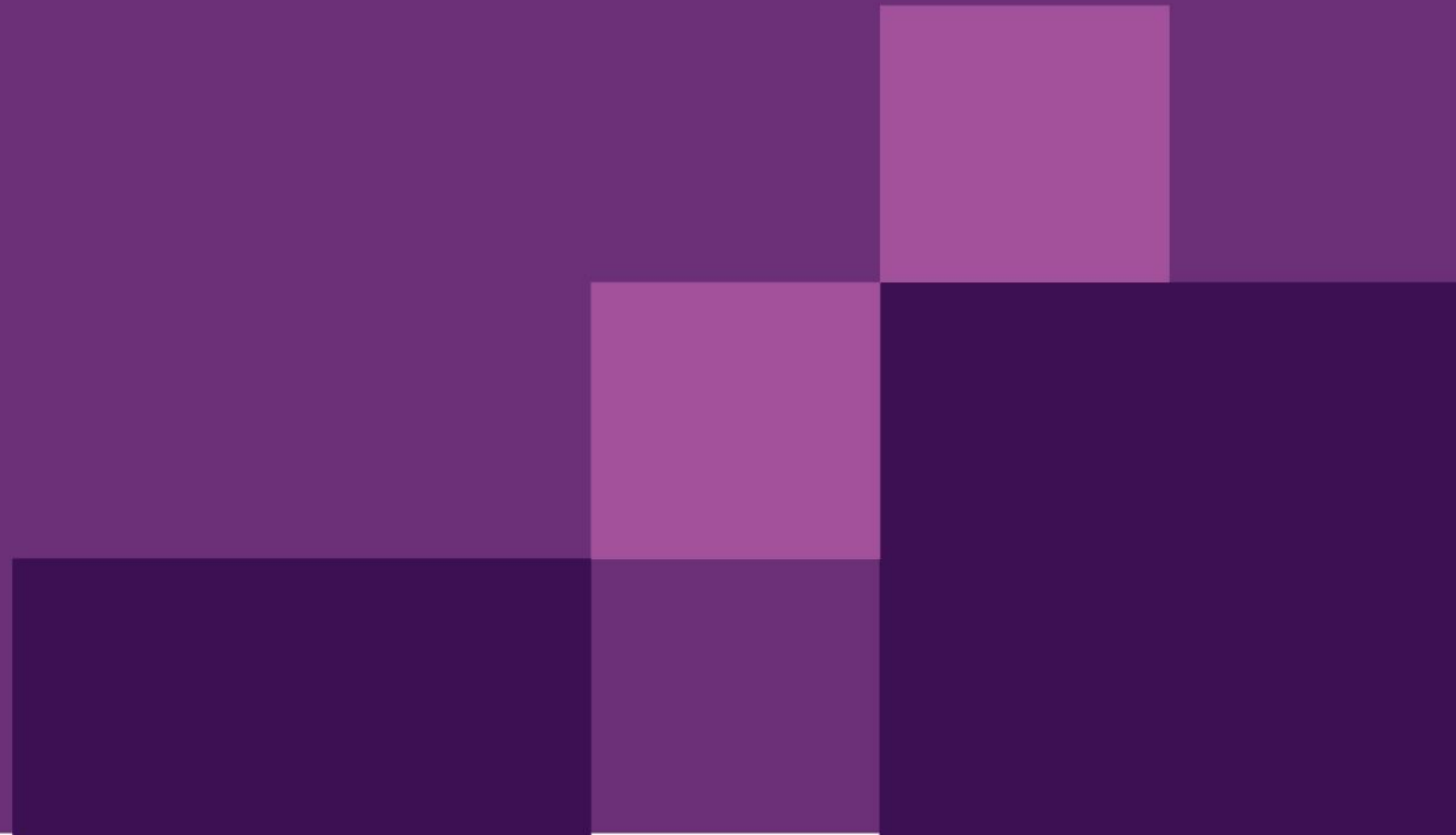
General Business & Next Steps

- Are there any other general business items members wish to raise?
- Actions and notes to be circulated asap
- Next meeting scheduled for Monday 26 February 2024
- Please send through any proposed agenda items, questions or suggested meeting improvements to ERCF@aemo.com.au

Notes

- Blaine Miner (AEMO) spoke to the 'General Business and Next Steps' slide
- Blaine emphasised the importance of active ERCF and ERCF subgroup engagement during and in between meetings
- Blaine mentioned that AEMO is currently intending to implement any required MSR related AEMO system changes, to support 1 July 2025 Rule requirements, in its May 2025 release

Appendix



ERCF Subgroup Membership

Name	Organisation	Market Sector
Robert Lo Giudice	Alinta Energy	Retailer
Jo Sullivan	Energy Australia	Retailer
Jordan Rigby	Red/Lumo	Retailer
Aakash Sembey	Origin	Retailer
Chris Murphy	Telstra	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

ICFs Awaiting Implementation

(In chronologic order)

ICF ID	Description	AEMO Impact	Scheduled Release Date
073	Summation Metering Changes	<ul style="list-style-type: none">• Procedures only	<ul style="list-style-type: none">• 13 May 2024
072	Net System Load Profile (NSLP) Methodology	<ul style="list-style-type: none">• System and procedures	<ul style="list-style-type: none">• 29 Sept 2024
054	Substitution Types review	<ul style="list-style-type: none">• System and procedures	<ul style="list-style-type: none">• 4 Nov 2024



For more information visit

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