

# B2B Working Group Notes

13 April 2023

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. Having your video 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. If you have dialled in via phone, please email [B2BWG@aemo.com.au](mailto:B2BWG@aemo.com.au) your name and organisation for our records.
6. If your name appears abbreviated on Teams, please add your name and organisation to the chat for our records.
7. Be respectful of all participants and the process.
  - 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](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

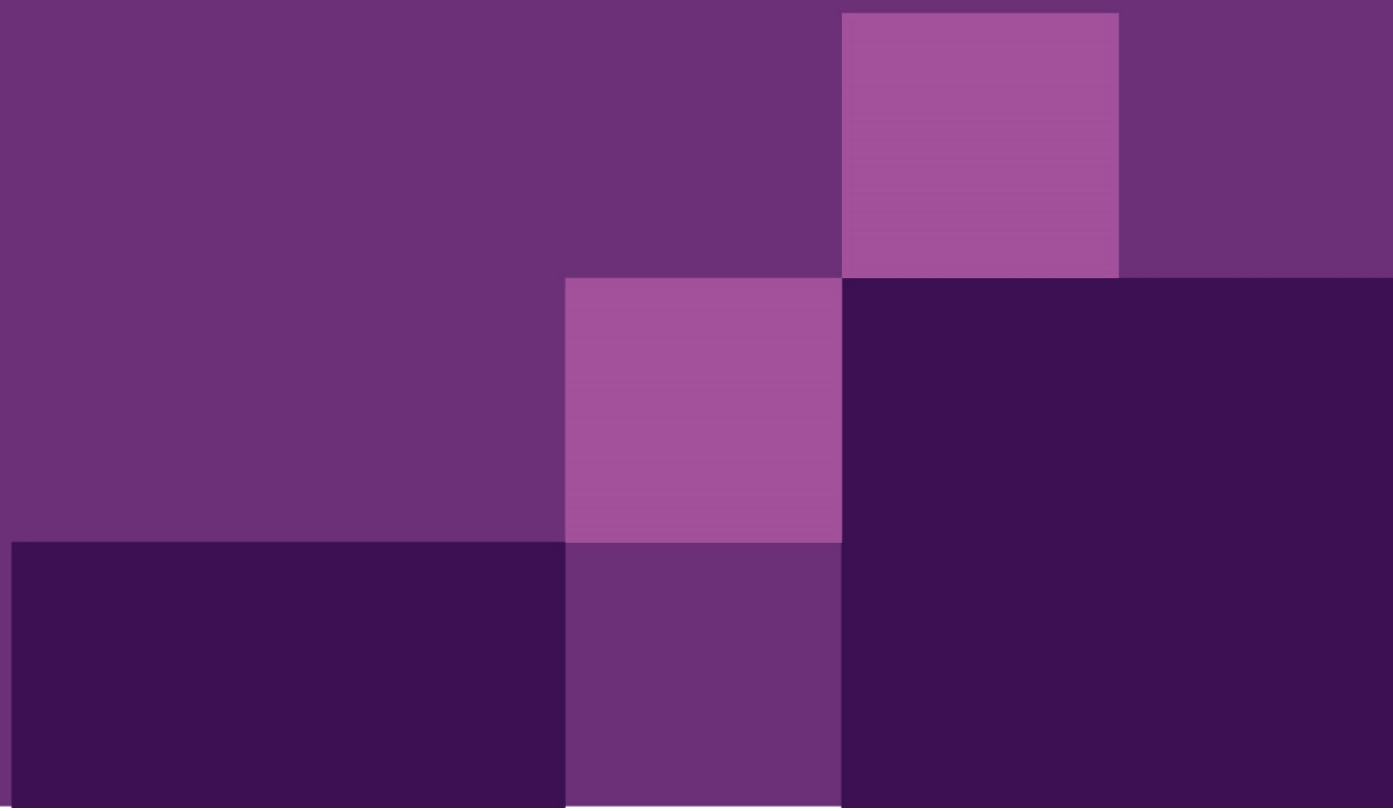
1. Welcome & Agenda
2. Actions Log
3. NEM RoLR Processes (Part B) Procedure - Customer Details Enhancement (Aakash)
4. PERSONNAME Definition Spec Correction Expedited Consultation (Helen)
5. IESS Consultation Prep
6. B2M Update
7. UMS Inventory OWN Proposal (Mark R)
8. Extreme Weather Event ICF (Mark R)
9. IEC ICF Updates
10. IEC Meet and Greet
11. NEM Reform Initial Assessment
12. 'What's on the B2B horizon?'
13. Forward Agenda
14. IEC Meeting Roster
15. Other Business
16. Appendix
  - ERCF ICF Register





# Actions Log

Blaine Miner (AEMO)



# Actions Log



Action	Topic	Description	Status	Responsible	Due Date	Comments
1309-01	IEC - Power Quality	Consider what information is required to determine if the current procedures were sufficiently fit-for-purpose for the transmission of power quality data and what sort of scalability would need to occur to allow for that transmission to occur	On Hold	B2B WG	July 2023	Post the AEMC MSR Final Report, expected June 2023
1309-02	IEC - Power Quality	Consider and recommend if the B2B procedure changes could be accelerated to allow for power quality transactions to flow rather than waiting for an AEMC rule change	On Hold	B2B WG	July 2023	Post the AEMC MSR Final Report, expected June 2023
010223_03	B2B Guide Improvement	Mark and David to draft and circulate a one pager/table of contents plus the latest version of the proposed B2B Guide to communicate the proposed approach to the updated B2B Guide	Closed	Mark Riley and David Woods		Discussed at the last meeting
010223_04	B2B Guide Improvement	B2B WG members to provide feedback re proposed approach to the B2B Guide prior to the next B2B WG meeting	Closed	B2B WG		Discussed at the last meeting
010223_10	Change Packs	B2B WG to consider and determine change pack development timings supporting B002/22 and B004/22	Open	B2B WG	11 May 2023	Confirm inclusion in the IESS B2B consultation
010223_14	ICF - PERSONNAME Definition	B2B field mapping document to be referenced in the Procedures, ICF to be raised	Closed	B2B WG		Added to action 090323_1
010223_15	ICF - PERSONNAME Definition	AEMO to raise the issue of improved coordination between the ASWG and the various Industry engagement channels: ERCF, GRCF and B2B WG	Closed	AEMO		Internal AEMO consideration in progress
010223_19	ICF - Procedure to schema inconsistencies	Issue raised via AEMO's support hub, "The B2B Service Order Procedures specify that the allowed values for the ConfirmedDe-energisation field are Yes/No but the aseXML schema definition only allows Boolean values (true/false)."	Open	B2B WG	11 May 2023	ICF to be drafted by Aakash Sembey (Origin)

# Actions Log



Action	Topic	Description	Status	Responsible	Due Date	Comments
090323_1	ICF - PERSONNAME Definition	<ul style="list-style-type: none"> <li>Confirm the wording of the existing ICF in light of the advice received re empty strings</li> <li>Amend ICF B006/22 to include the definition of an empty string in the Technical Specification and referenced where applicable in the Procedures</li> </ul>	Open	Helen Vassos	11 May 2023	Helen to add details of the 4 methods of complying with an empty string for B2B purposes
090323_2	B2B Guide improvement process approach	Lenard to confirm if AEMO can support/provide a secure SharePoint site for B2B Guide improvement activities	Closed	Lenard Bull		SharePoint folder available and accessible
090323_3	B2B Guide improvement process approach	Mark and David to circulate the proposed changes to the B2B Guide spreadsheet prior to next month's monthly meeting	Open	B2B WG	11 May 2023	Mark and David to circulate the draft clause change spreadsheet prior to the May 2023 monthly meeting
090323_4	NEM 2025 Initial Assessment	Blaine to circulate the updated NEM 2025 Initial Assessment spreadsheet to the B2B-WG	Closed	Blaine Miner		Blaine circulated the NEM 2025 Initial Assessment spreadsheet v2 Tuesday 14 March 2023
090323_5	NEM 2025 Initial Assessment	The B2B-WG to populate the NEM 2025 Initial Assessment spreadsheet prior to next months' meeting to support further discussion/progress	Open	B2B WG	11 May 2023	
090323_6	NEM 2025 Initial Assessment	Blaine to add NEM 2025 Initial Assessment agenda item to next months' meeting, focusing on the initiatives where a member believe there be a B2B impact	Closed	Blaine Miner		
090323_7	Clarification of UMS Data in Inventory Table	<ul style="list-style-type: none"> <li>Mark Riley (AGL) to update B005/22 to reflect the latest thinking re the Inventory File/Table proposal.</li> </ul>	Open	Mark Riley	8 June 2023	

# Actions Log



Action	Topic	Description	Status	Responsible	Due Date	Comments
090323_8	Extreme Weather Event NMI Status	Mark to present additional detail next month re the issues associated to the potential disconnect between the physical status of a NMI and the market/MSATS status of a NMI during an extreme weather event	Closed	Mark Riley		
090323_9	LCCD Status	AEMO to reconfirm what the LCCD is meant to represent i.e. the day of or day after consideration	Closed	Justin Stute		Retailer scenarios were discussed at the Dec CDR Workshop
090323_10	Clarification of UMS Data in Inventory Table	Mark to introduce the issue and problem statement at the April meeting	Closed	B2B WG		
090323_11	Discrepancy between B2B SO Process and B2B Guide (V3.7)	B007/22 Mark Riley (AGL) to draft the initial ICF re the discrepancy between B2B SO Process and B2B Guide for FormReference and FormNumber fields	Open	Mark Riley	8 June 2023	Mark Riley circulated the initial ICF draft to the B2B WG Thursday 23 March 2023.
090323_13	Participant Certification	AEMO to add 'Participant Certificate Automation' to the What's on the B2B horizon? slide	Closed	B2B WG		
090323_14	IEC and B2B-WG Meeting	Blaine to raise with Meghan to see if the IEC/B2B WG meet and greet can be changed to allow for the May release to occur first	Closed	AEMO		IEC meeting has been moved from 29 May to 9 June at 1pm.
090323_15	IEC and B2B-WG Meeting	B2B WG to confirm key messages for the B2B WG rep at the IEC meeting one month prior to the IEC meeting	Closed	B2B WG		Added to the Forward Plan
090323_16	Expedited RoLR Consultation	AEMO to send out the actions timings spreadsheet supporting the IEC Final Report process	Closed	Blaine Miner		Action's timings spreadsheet attached for B2B WG consideration and feedback circulated Tuesday 14 March 2023



# Notes

- Actions have been updated in the actual slides to reflect the latest statuses



# NEM RoLR Processes (Part B) Procedure - Customer Details Enhancement

Aakash Sembey (Origin)

# NEM RoLR Processes (Part B) Procedure - Customer Details Enhancement

Tasks	Responsibility	Status	Start Date	End Date
<b>Submissions due on Initial Notice</b>			<b>Friday, 31 March 2023</b>	<b>Friday, 31 March 2023</b>
<b>Response Submissions</b>				
Respond to each email as per standard wording and signature	Kate Gordon	Completed	Friday, 31 March 2023	Monday, 3 April 2023
Copy all respondents submissions into SharePoint Folder	Kate Gordon	Completed	Monday, 3 April 2023	Monday, 3 April 2023
Publish PDF Submissions to webpage	Kate Gordon	Completed	Monday, 3 April 2023	Wednesday, 5 April 2023
<b>Final Report</b>				
Summarise submissions, including key matters, for the B2B WG's consideration	Aakash Sembey	Completed	Friday, 31 March 2023	Wednesday, 5 April 2023
Engage the B2B WG	Aakash Sembey	Completed	Wednesday, 5 April 2023	Friday, 7 April 2023
Draft Final Determination Report	Aakash Sembey	Pending	Friday, 31 March 2023	Wednesday, 12 April 2023
Track change Final procedure	Aakash Sembey	Pending	Friday, 31 March 2023	Wednesday, 12 April 2023
Circulate Final Determination Report materials to the B2B WG for comment	Aakash Sembey	Pending	Monday, 10 April 2023	Wednesday, 12 April 2023
Receive B2B WG feedback	Aakash Sembey		Wednesday, 12 April 2023	Friday, 14 April 2023
Finalise IEC change pack	Aakash Sembey		Friday, 14 April 2023	Friday, 14 April 2023
Obtain Legal review	Kate Gordon		Friday, 14 April 2023	Tuesday, 18 April 2023
Obtain AEMO review	Kate Gordon		Friday, 14 April 2023	Tuesday, 18 April 2023
Obtain IEC endorsement	Aakash Sembey		Tuesday, 18 April 2023	Friday, 21 April 2023
Prepare change pack for publishing	Kate Gordon		Monday, 24 April 2023	Wednesday, 26 April 2023
Create Web Submission Request with web team	Kate Gordon		Monday, 24 April 2023	Wednesday, 26 April 2023
Create AEMO comms request	Kate Gordon		Monday, 24 April 2023	Wednesday, 26 April 2023
Final change pack review	Kate Gordon		Monday, 24 April 2023	Wednesday, 26 April 2023
Final Determination Report materials sent to web team	Kate Gordon		Monday, 24 April 2023	Wednesday, 26 April 2023
<b>AEMO comms request approval</b>				
Email to broad distribution group	Kate Gordon		Monday, 24 April 2023	Wednesday, 26 April 2023
<b>Final Determination Report published</b>			<b>Friday, 28 April 2023</b>	<b>Friday, 28 April 2023</b>
Check webpage correct	Aakash Sembey		Friday, 28 April 2023	Friday, 28 April 2023

# NEM RoLR Processes (Part B) Procedure - Customer Details Enhancement

- Option 1: switch to standard consultation (most of the group agreed with this approach)
  - Redraft the new additions proposed by AGL, Red/Lumo and SAPN in relation to table 102 and publish for consultation. These additional changes are minor improvements to the initial proposal, e.g. LNSP's providing the "LifeSupportStatus" field to the ROLR, new fields suggested by AGL and removal or 'N' from various fields requested by Red/lumo.
  - B2B members has a question that AEMO can hopefully clarify – considering some of the feedback include new suggestions and not been impact assessed by other participants, can it be accepted via expedited path or would it require another round of consultation? Depending on the response, we might need to revert to standard consultation
  - If we switch to standard consultation, would the first round already be accounted for as a part of expedited or do we start afresh? Depending on the
- Option 2: proceed with expedited changes with reduced scope
  - Discard the newly proposed amendments (unless allowed – pending AEMO's response) and proceed with the original drafting
  - Remove the contestable MC/MP related obligations from B2B Part-B (considering Retailers can always bilaterally agree with contestable MPs outside of the B2B Procedures) – keeping the current scope of Part B to the LNSPs only.
  - Fix the errata and cross reference errors in section 104 as per original drafting and some additional feedback provided by IntelliHub.
- Option 3: hybrid approach, expedited for some changes
  - Proceed with table 102 changes under expedited (discarding new feedback unless allowed – pending AEMO's response)
  - Detach the additional obligations part from expedited implementation and review the integrity of all the subclauses under section 104.
  - Redraft clause 104 to include all service providers (this might be a time consuming exercise as we start to update clauses that are LNSP related).
  - There are also some views shared by PlusES to review the Part B as a whole, potentially joining forces with AEMO's RoLR review as there are several dependencies on the B2B processes that rely on Part A, e.g. timing of AEMO issuing RoLR List prior to any subsequent activities undertaken by B2B participants.

# Notes

- Conclusions/key takeaways:
  - The WG agreed to the following:
    - Consultation approach:
      - The current consultation should continue but that it should be changed from an Expedited process to a Standard consultation process
    - Consultation scope:
      - Proposed changes to section 102 and the errata changes to section 104 should continue to form part of the recommended Standard consultation process
      - The broader review of section 104 and the rest of the document, including associated items in NEM RoLR Processes (Part A), should form part of the broader AEMO RoLR review led by Gareth Morrah (AEMO)
  - The initial Expedited Draft report would be deemed to be the initial stage of the Standard consultation, as per NER section 8.9.3(g)
  - The IEC's Standard process Draft Determination must be published no later than 50 business days after the submission close date of the original Expedited draft report i.e. no later than 9 June 2023
- **Actions:**
  - Mark and Aakash to change mark and circulate a new version of the NEM RoLR Processes (Part B) Procedure based on the revised scope by Wed 19 Apr
  - Aakash to draft the proposed advice to the IEC, re the B2B WG recommendations to the Expedited consultation, by Wed 19 Apr
  - B2B WG members to provide feedback to the updated NEM RoLR Processes (Part B) Procedure based on the revised scope and the recommendations to the IEC by COB Fri 21 Apr



# PERSONNAME Definition Spec Correction Expedited Consultation

Helen Vassos (PlusES)

# PERSONNAME definition specification correction

- Discuss and finalise updated ICF and IEC engagement, inc Expedited Change Pack



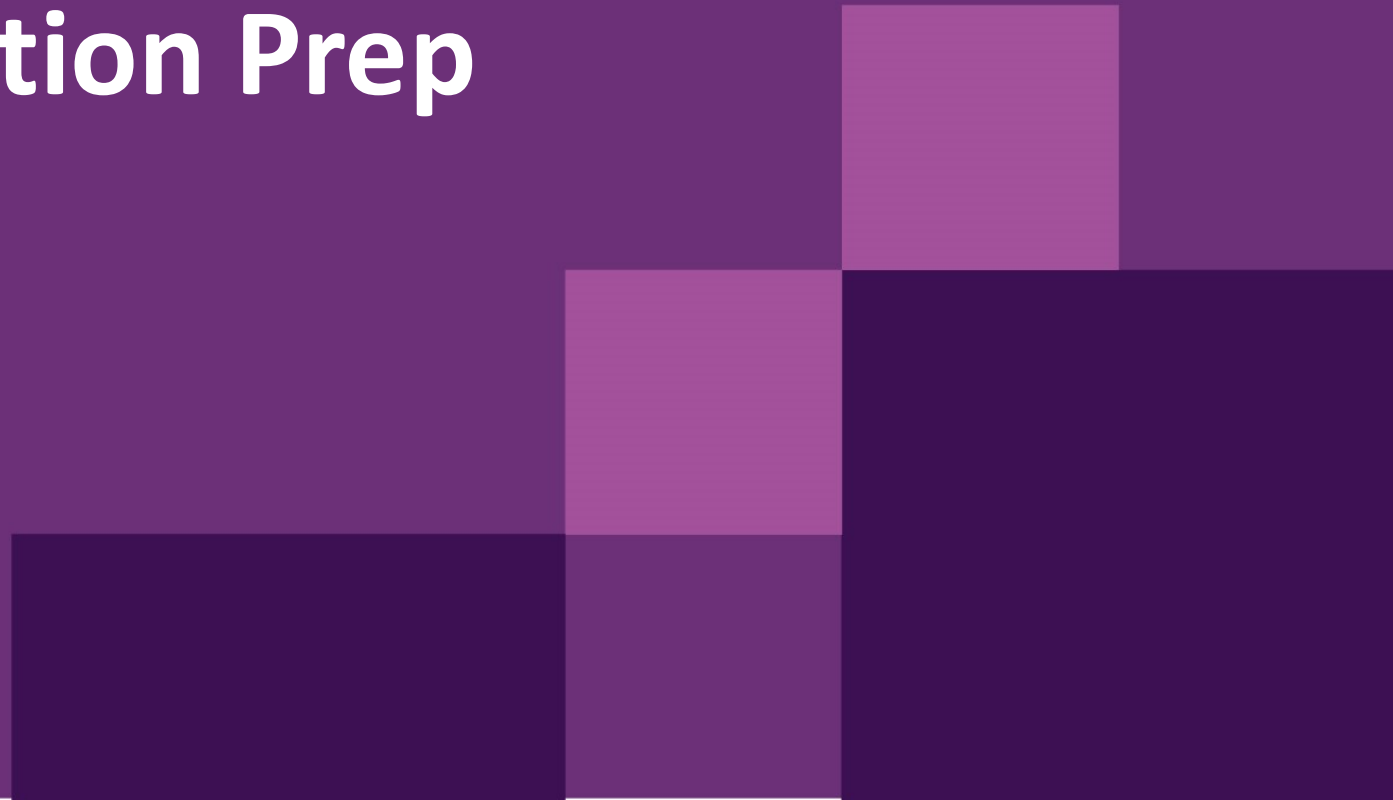
# Notes

- Helen to update and circulate the latest version of the ICF to the WG for feedback
- The updated ICF is to include the 4 methods of complying with an empty string





# IESS Consultation Prep



# IESS Consultation Prep



- B2M consultation topics and timings
  - Proposed changes to NMI Classification Codes, including three new codes and amendments to two further codes
  - Extensive amendments to terminology introduced by the IESS Rule, which will need to be reflected across the Retail Electricity Market Procedures. Most of these changes will be minor or administrative in nature.
  - Other changes, including the location and order of embedded network processing, which will not result in procedure changes but may change the way participants who are embedded network parents undertake reconciliation processes.
  - Potential change to the Rule implementation start date from 3 June 2024 to 2 June 2024, alignment to the commencement of a settlement week
- B2B considerations
  - Reassessment of B2B impacts
  - IEC engagement
  - Consultation prep
  - Other?

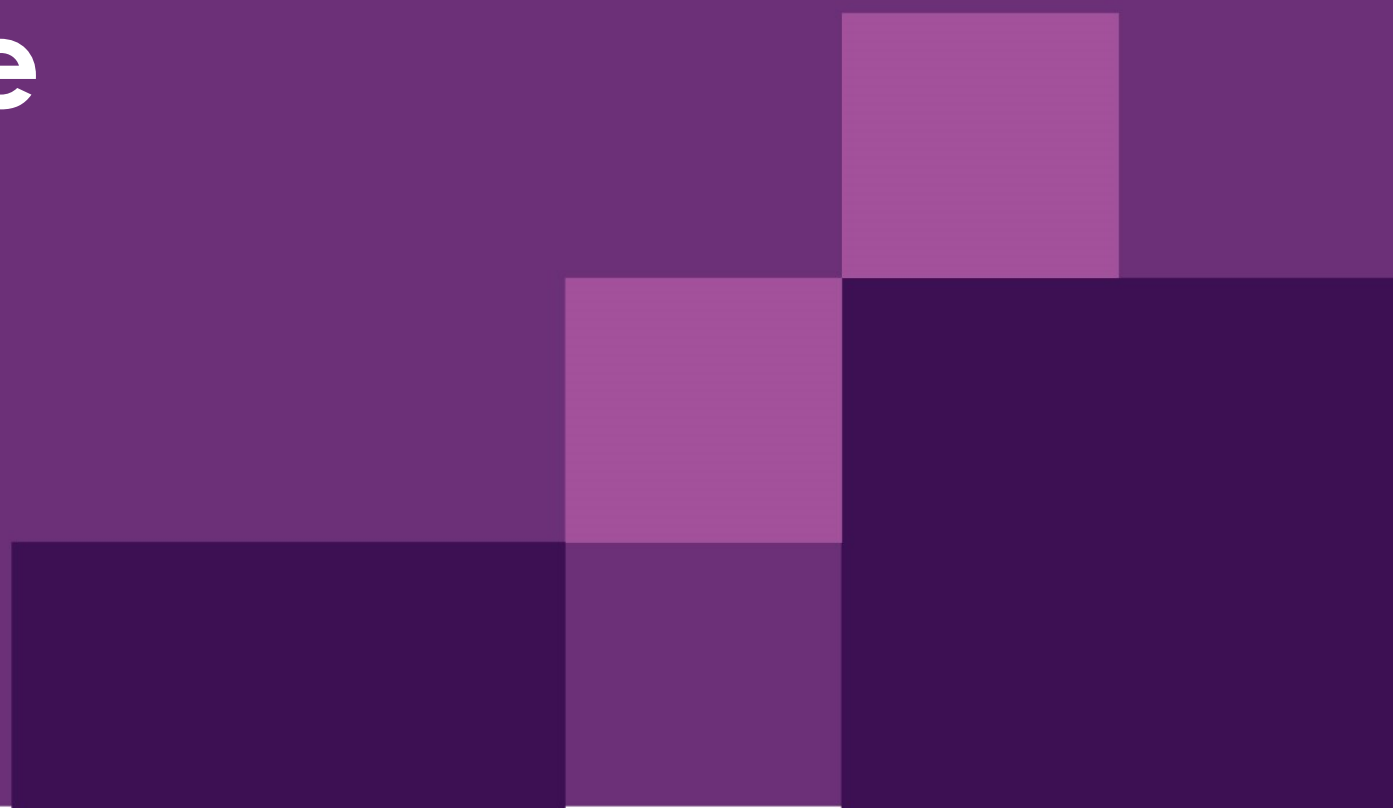
# Notes

- The B2B consultation change pack is to be developed and provided to the IEC post the publication of the IESS B2M Draft Determination, currently scheduled for publishing by 12 June 2023
- Targeting a July/Aug B2B IESS consultation commencement, with a 2 June 2024 effective date, to align with the IESS Rule



# B2M Update

Blaine Miner (AEMO)



# B2M Update

(Provided for B2BWG visibility, questions and consideration)

Forum/Consultation	Description	Update
ERCF	<ul style="list-style-type: none"> <li>Primary B2M change channel where interested parties can collaboratively participate in the enhancement of the Retail Electricity Market Procedures Framework</li> </ul>	<ul style="list-style-type: none"> <li>14 Open ICFs, with 4 associated subgroups (refer to the Appendix)               <ul style="list-style-type: none"> <li>7 pending release, 2 under consultation</li> </ul> </li> <li>B2B items of interest:               <ul style="list-style-type: none"> <li>ICF_056 - Clarification of End Date in Inventory Table</li> <li>ICF_TBD - Additional NMI Status Enumerations</li> </ul> </li> </ul>
Consumer Data Rights (CDR)	<ul style="list-style-type: none"> <li>The Consumer Data Right (CDR) for Energy will enable consumers to authorise third parties i.e. FRMPs to access their energy data, up to 2yrs in the same account holder at the NMI. This will empower consumers to more easily share their data to get a better deal on a range of energy products and services.</li> </ul>	<ul style="list-style-type: none"> <li>Minor Amendment consultation commenced 28 March</li> <li>Submissions due Friday 14 April</li> </ul>
Stand-alone Power Systems (SAPS)	<ul style="list-style-type: none"> <li>The AEMC's Final Report and Proposed Rules for Updating the regulatory frameworks for the distributor led Stand-Alone Power Systems (SAPS) Priority One (AEMC Final Report) sets out a national framework to facilitate the provision of SAPS by DNSPs to their existing customers, where SAPS offer a more economically efficient solution relative to investing in, and maintaining, traditional network solutions.</li> </ul>	<ul style="list-style-type: none"> <li>Expedited consultation commenced 24 March</li> <li>Submissions due Thursday 27 April</li> </ul>
Integrated Energy Storage Systems (IESS)	<ul style="list-style-type: none"> <li>The Commission's final rule makes a number of changes that better integrate storage into the NEM, including 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> </ul>	<ul style="list-style-type: none"> <li>B2M consultation commenced Monday 6 March               <ul style="list-style-type: none"> <li>Includes ICFs - 059 and 070</li> </ul> </li> <li>B2B consultation planned for mid-2023, post B2M Draft Report stage</li> </ul>
Metering Exemptions Procedures	<ul style="list-style-type: none"> <li>Update or remove content from the Metering Exemptions Procedures to account for the new exemption automation</li> </ul>	<ul style="list-style-type: none"> <li>Initial Consultation published 12 April</li> </ul>
NSLP Profiling Methodologies	<p>The determination of the longer term NSLP load profiling methodology was removed from the 'Load Profiling Methodologies' consultation to allow additional time for further analysis and consideration. This consultation seeks to identify and implement a preferred longer-term NSLP methodology.</p>	<ul style="list-style-type: none"> <li>ERCF engagement occurring this month, consultation expected to commence by mid-2023</li> </ul>

# Notes

- Members decided not to discuss this agenda item due to pressing priorities and time constraints



# UMS Inventory OWN Proposal

Mark Riley (AGL)

# Link to Metrology Part B

- Metrology Part B currently provides the obligation and some specification for the UMS Inventory File
- AN ICF has proposed that
  - The UMS inventory file be updated to provide information needed by participants;
  - The Obligation for providing that file remain in Metrology Part B; and
  - The specifics are moved to the B2B OWN Procedure
    - The specifics would provide a detailed file specification for the inventory file as part of an OWN Transaction.





# File Specification

- Specification would provide clarity of data format, usage and enumerations (i.e. in the same way other files are defined)

B2B PROCEDURE  
ONE WAY NOTIFICATION PROCESS

**Table 6** PlannedInterruptionNotification field values

Field	Format	Use	Definition
<i>NMI</i>	Char(10)	M	<i>NMI</i> where the planned interruption to <i>supply</i> is proposed to occur.
<i>NMIChecksum</i>	Char(1)	O	<i>NMI</i> Checksum for the <i>NMI</i> .
<i>StartDate</i>	DATE	M	The proposed start date of the planned interruption to <i>supply</i> by the Initiator.
<i>StartTime</i>	TIME	M	The proposed start time of the planned interruption to <i>supply</i> by the Initiator.
<i>EndDate</i>	DATE	M/O	Mandatory for an interruption window that is greater than 1 day. Optional for a single calendar day interruption window. This is used where the Initiator wants to advise the Recipient that they have a program of works which may go over an extended period.
<i>Duration</i>	VARCHAR(5)	M	The duration of the planned interruption to <i>supply</i> for that <i>NMI</i> . Format: HH:MM
<i>ReasonForInter</i>	VARCHAR(50)	M	The reason for planned interruption. Allowed values: • Meter Exchange - Individual

- Current obligation is lacking in detail

### 13.3.2. Inventory Table

- (a) For each *NMI* a separate Inventory Table is required that, identifies each Unmetered Device that forms part of the *NMI load*, and lists:
- (i) the Unmetered Device Type;
  - (ii) the form of on/off control (24 hours per day);
  - (iii) End User details;
  - (iv) Location details;
  - (v) if an Unmetered Device is shared with another *NMI*, the proportion of *load* that is agreed by affected *Registered Participants* to be attributable to that *NMI* (*k*). Each *k* factor will be less than 1. The sum of the *k* factors for a shared Unmetered Device across each respective *NMI* must be equal to 1;
  - (vi) if an Unmetered Device is not shared with another *NMI*, the *k* factor must be equal to 1;
  - (vii) number of such Unmetered Devices installed;
  - (viii) effective start date – the first day on which that record in the Inventory Table is to be included in the calculation of *metering data* for that *NMI*;

# Proposal

- Clarify the data elements needed to support Industry activities
  - Allowing for both 1:1 and 1:many UMS devices
- Develop a file specification for the UMS Inventory file
- Publish the file specification in the B2B Procedure
- Transport the file using an OWN aseXML envelope in MarketNet



# Notes

- Mark to draft the initial ICF for WG consideration prior to the 8 June 2023 B2B WG meeting



# Extreme Weather Event ICF

Mark Riley (AGL)

# Issue

- Inconsistency between physical and market NMI statuses at a point in time
  - The physical NMI status and reason e.g. Active or De-energised versus
  - The market NMI status and underlying cause e.g. defect or bypassed



# Background

- NMI status inconsistencies generally occur during extreme weather events or high impact faults e.g. Floods, HV Injections
- Managing NMI statuses during various events is a complicated and intensively manual process for both DBs and RBs
- Management generally involves the DB and RB managing separate, manual lists outside MSATS
  - These lists are frequently inconsistent, out of date, incorrect and are not provided when needed
- The current manual processes results in:
  - Poor customer experiences e.g. extended outages, incorrect bills
  - Poor Industry outcomes e.g. erroneous network charges, erroneous consumption estimates, wasted resource effort
- Customers impacted may number in the thousands
- Due to the increased frequency of these events, consistent market processes must be established

# Past and Future Event Impacts.....

## Essential Energy

### Our expenditure

Over the 2019–24 regulatory period, our operating expenditure (opex) is expected to be around nine per cent above the allowance provided by the AER. This was largely because of the extraordinary series of events that occurred:

- > the Black Summer bushfires (2019–20) burnt more than three million hectares of land across our network footprint, damaging communities and destroying much of the electrical infrastructure. We needed to replace more than 3,200 poles and over 104,000 of our customers experienced long outages
- > major **flooding** events in 2021 and 2022 damaged more assets, particularly across the North Coast and large parts of the Central West – some of these areas were just recovering from bushfires and record rainfall has further impacted access to those areas to restore the network
- > COVID-19 also forced us to transition our workforce to work from home, increasing our spend on information and communications technology, and caused significant supply chain issues resulting in delays and higher costs.

## Ausgrid

### 3.6.2 Building the resilience of our network to reduce climate and cyber risks

Managing the impacts of extreme weather events is a unanimous priority across our communities. Our customers and delivery partners told us they support the science on climate change and expect extreme weather events to continue becoming more frequent and intense. We heard that:

- Prolonged outages caused by these events cause major disruptions to the lives and livelihoods of impacted communities, and can have major implications for the safety of life support and other vulnerable customers. These potential impacts are becoming increasingly significant as electricity continues to power more and more aspects of our everyday lives;
- Customers consider the costs they bear during an outage as part of their overall evaluation of the cost of electricity;
- Customers in locations at most risk of climate change impacts should not experience materially worse reliability than others. They want us to prioritise building network and community resilience in these high-risk areas – and they want a say in how we do this;
- When outages do occur, customers want us to improve our emergency response. Information is crucial during outages and customers want us to do better in communicating and engaging with them at these times; and
- Customers expect us to work in partnership with other organisations to play our part in a holistic effort to improve community and individual resilience.

## Endeavour Energy

### 4.6 Climate change and extreme weather events

Climate modelling suggests that, regardless of the global action taken to reduce carbon emissions in the coming years, extreme weather events will continue to increase in both frequency and intensity over the coming decades. The risk of bushfires increases as heatwaves become hotter and last longer, and our storms (including East Coast Lows) are expected to increase in frequency and intensity, resulting in more common storm damage and flash flooding.

Climate change events pose a risk to the reliability of the network. Endeavour Energy is experiencing increased impacts from:

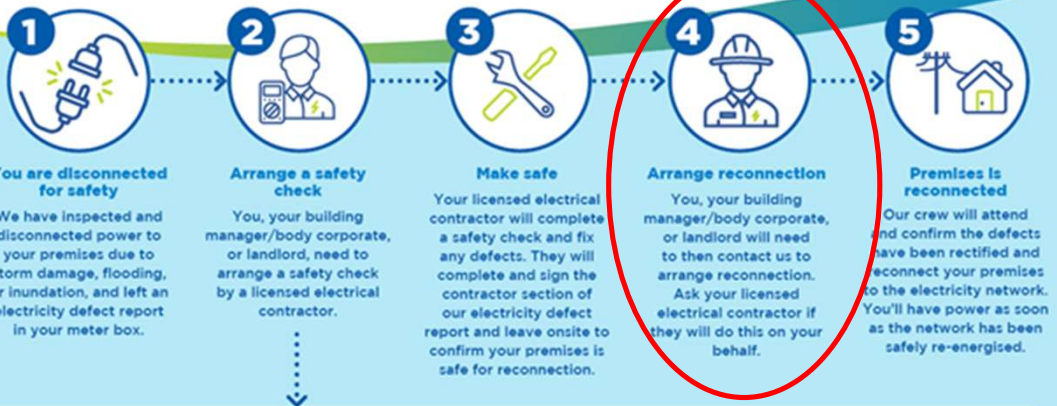
- **Bushfires:** The 2019/20 bushfire season was the most devastating in NSW history, impacting 44% of Endeavour Energy's network supply area and causing significant damage to parts of the network at a cost of more than \$26.7 million and interrupting services to more than 55,500 across the network.
- **Heat Waves:** By 2030, NSW is expected to experience 10 more days in heatwave each year, with the yearly maximum intensity of heatwaves seeing an increase of ~5°C. As heatwaves become more common and more severe, the network will be threatened by asset deterioration and reduced system reliability, decreased system capacity and an increased load. With some of the warmest areas in NSW, our ability to reliably deliver electricity through these periods will be increasingly important for customers and reduces risk to life.
- **Storms and Floods:** Like bushfires and heatwaves, severe storms and their associated floods are on the rise and are expected to become a common threat to the network, particularly for non-submersible assets.



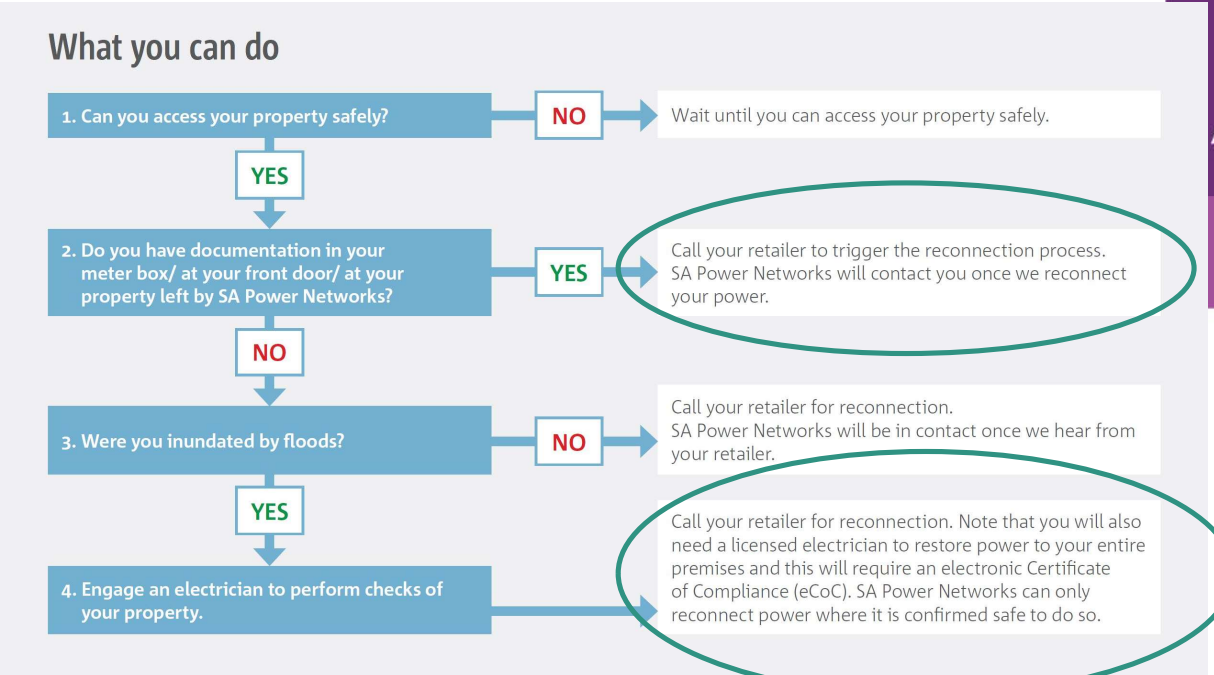
Process has no Retailer involvement for reconnection

# Restoration process

Getting reconnected after storm damage, flooding or inundation



**Note:** If you know your electrical fittings have been damaged, flooded or inundated, you don't need to wait for an electricity defect report. Arrange a safety check and your licensed electrical contractor will leave a certificate of test and compliance in the meter box for us.



Process refers customer to Retailer for connection



# Potential Consequences of Inconsistent NMI Statuses

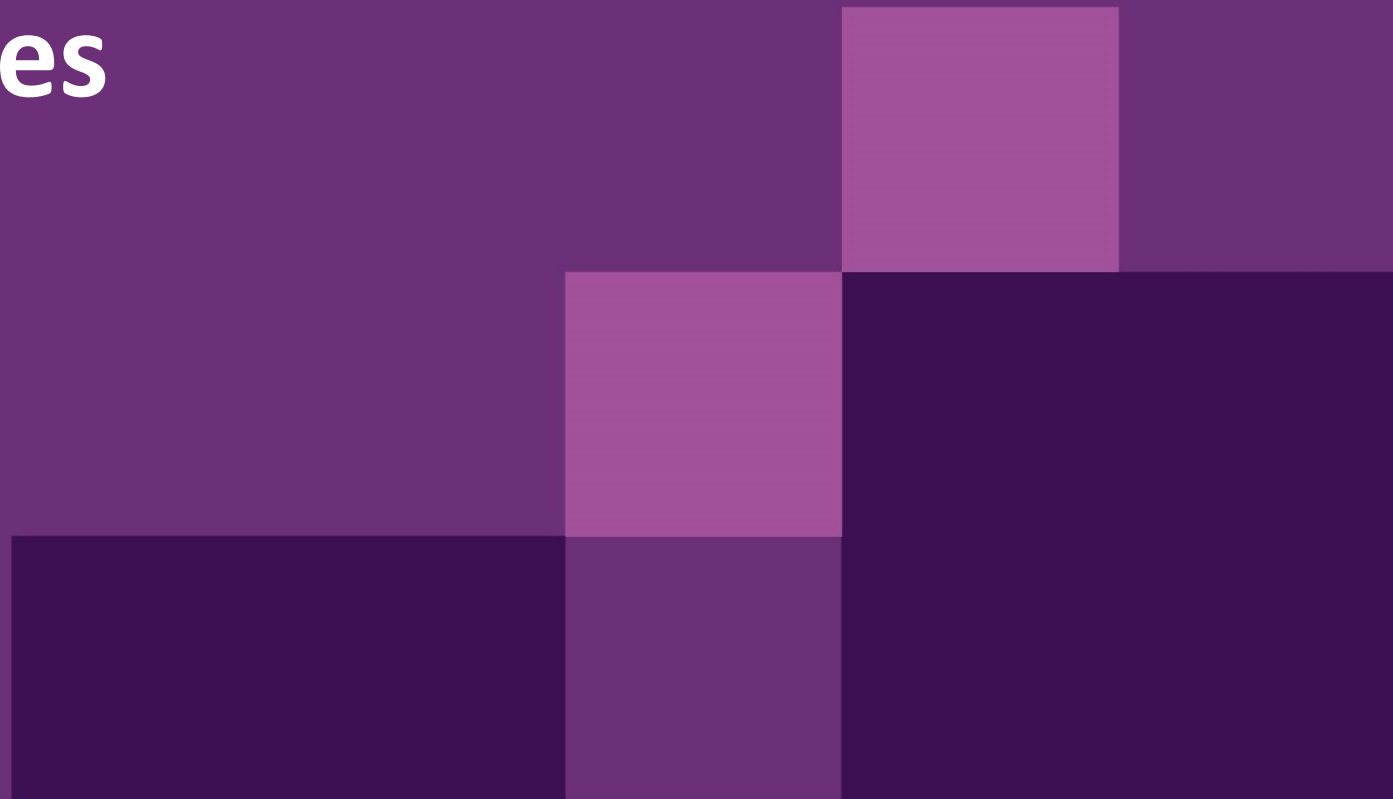
- Incorrect reconnection activities being triggered
- Erroneous Network charges being charged
- Erroneous MDP estimations being provided
- Erroneous and delayed RB bills
  - Affected customers generally presented at area level (e.g. post code)
  - Difficulty in capturing affected customers vs unaffected customers
  - As a result, bill blocks are often applied initially to larger areas until DB lists are provided
    - Leads to delayed bills for customers
    - Leads to bills being sent to affected customers if not captured correctly
- Billing adjustments being required to ensure that they align with the actual disconnected periods
- Participants not being aware of the physical NMI Status at a point in time

# Notes

- Mark to draft the initial ICF for WG consideration prior to the 8 June 2023 meeting
- The ICF is to focus on the **consistent, timely and accurate** provision of information to effected Parties during a high impact event



# IEC ICF Updates



# Current IEC ICFs

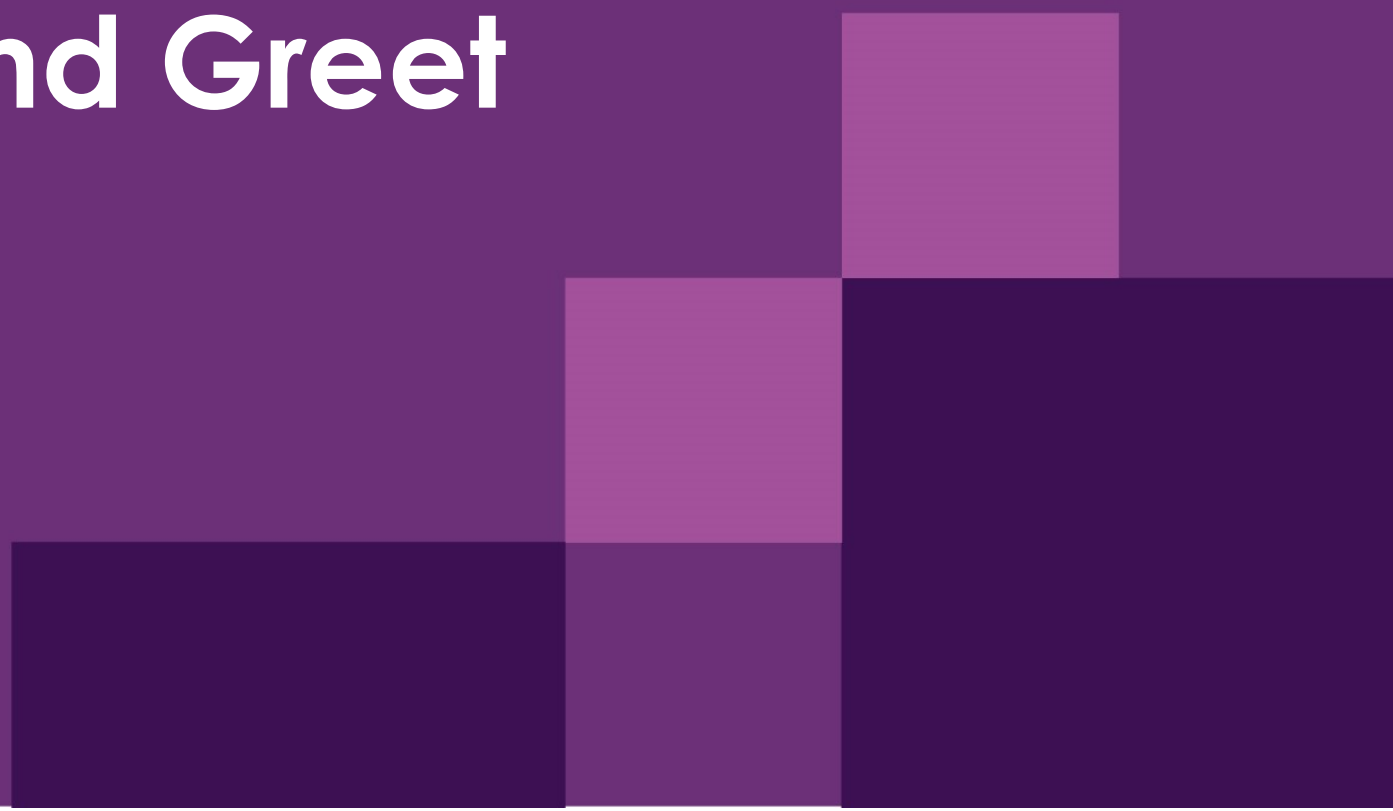
ICF No	Title	Description	Proponent	Status	Next Step
B002/22	Alignment of B2B field lengths to B2M Procedures/schema	Since r42 B2M schema release, there has been some inconsistent field lengths identified for the same fields in the B2B transactions. Due to this issue, the information may get truncated while using B2B transaction.	Aakash Sembey (Origin Energy)	Change Pack requested by the IEC	<ul style="list-style-type: none"> <li>Non-urgent, to be included in the next Consultation which requires a schema change.</li> <li>Approved by the IEC for change pack development</li> </ul>
B003/22	B2B RoLR Procedure Updates	Version 2.3 of the NEM RoLR Processes (Part B) require changes to some of the in-text referencing in section 104 as errata changes. Also, while reviewing these clause references, it was observed that some of the subclauses need to be broadened to other service providers, in addition to the LNSPs.	Aakash Sembey (Origin Energy)	Expedited Consultation In Progress	<ul style="list-style-type: none"> <li>Non-urgent, to be included in the next Consultation which requires a schema change.</li> <li>Approved by the IEC for change pack development</li> </ul>
B004/22	B2B/B2M field lengths – Address elements	ICF is aimed to harmonise the B2B fields lengths in line with the Australian Standard, as well as any B2M usage to ensure consistent interchange of information within the energy market.	Mark Riley (AGL)	Change Pack requested by the IEC	<ul style="list-style-type: none"> <li>Non-urgent, to be included in the next Consultation which requires a schema change.</li> <li>Approved by the IEC for change pack development</li> </ul>
B005/22	Clarification of UMS Data in Inventory Table	ICF is to ensure a consistent approach to the use of the Inventory Table, which will allow all parties to more effectively reconcile the movement of unmetered assets and minimise future administrative mistakes.	Mark Riley (AGL)	In progress	<ul style="list-style-type: none"> <li>Mark to present to the B2B WG at the April meeting</li> </ul>
B006/22	PERSONNAME definition spec correction	Person Name field Technical Specification clarification	Helen Vassos (PLUS ES)	IEC Expedited Change Pack required	<ul style="list-style-type: none"> <li>B2B WG to prepare change pack to support an expedited consultation</li> </ul>
B007/22	Discrepancy between B2B SO Process and B2B Guide (V3.7)	Discrepancy between B2B SO Process and B2B Guide for FormReference and FormNumber fields	Mark Riley (AGL)	In progress	<ul style="list-style-type: none"> <li>Mark Riley (AGL) to draft the initial ICF</li> </ul>
B008/22	NEM RoLR Processes (Part B) Procedure - Customer Details Enhancement	The current table 102-A does not adequately support all fields required to appropriately serve the customer transferred to the RoLR.	Aakash Sembey (Origin Energy)	Expedited Consultation In Progress	<ul style="list-style-type: none"> <li>The IEC endorsed the B2B WG's recommendations at the Feb meeting</li> </ul>
TBC	Procedure to schema inconsistencies	The B2B Service Order Procedures specify that the allowed values for the ConfirmedDe-energisation field are Yes/No but the aseXML schema definition only allows Boolean values (true/false)."	TBC	In progress	<ul style="list-style-type: none"> <li>Aakash Sembey (Origin) to draft the initial ICF</li> </ul>

# Notes

- No additional notes captured



# IEC Meet and Greet



# IEC Meet and Greet



- The B2B WG/IEC face-to-face meeting in Sydney has been moved from 29 May to 1pm on Friday 9 June
- B2B WG meeting is scheduled for Thursday 8 June
- Proposed timings:
  - Arrive in Sydney Thursday morning the 8<sup>th</sup>
  - Start the B2B WG meeting late Thursday morning
  - Continue our meeting on Friday morning the 9<sup>th</sup>
  - Attend the IEC from 1-2pm on Friday
  - Leave for flights shortly afterwards.
- What 2 Topics will be presented and who will present the topics?
  - IESS plus included ICFs
  - ?

# Notes

- Members to agree which 2 topics will be presented to the IEC at their May monthly meeting
- Members to also determine who will be presenting and who will be drafting the associated slides





# NEM Reform Initial Assessment

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- Initial Spreadsheet created, refer attachment sent to members on Wed 22 Feb 2023
- Which initiatives do members believe will have a B2B impact?



# Notes

- Version 2 of the NEM Reform Roadmap expected to be published by AEMO 27 April
- Once published, the B2B assessment spreadsheet will be updated, if required, and recirculated to the WG members for their initial assessments



# 'What's on the B2B horizon?'



# ‘What’s coming on the horizon’

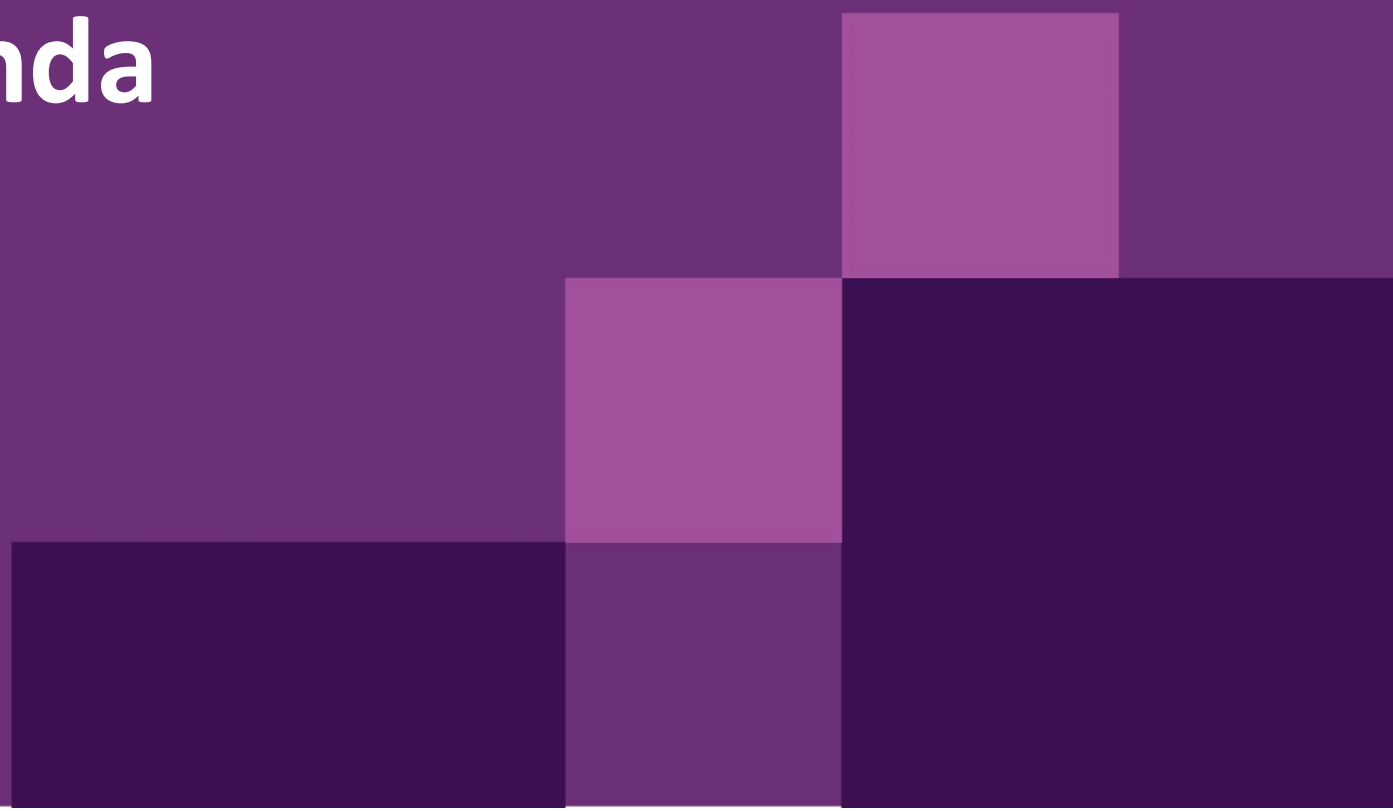
Topic	Timing	Next Milestone	Comments
Expedited NEM RoLR Processes (Part B) Procedure Changes	Immediate	Commence Expedited Consultation	Submissions being considered
Expedited PERSONNAME Definition Clarifications	Immediate	Change Pack Finalised	Change pack needs to be prepared for IEC endorsement
Certificate Management Solution	Immediate	Implementation in April	New functionality going live in April Participant certificates due to expire from June 2023
IESS Consultations	Short/medium-term	B2M Consultation expected to commence on 6 Mar 23	B2M Draft report required in order to finalise the proposed B2B consultation content
B2B v3.8 Implementation	Short/medium-term	Release scheduled for 30 May 2023	Release scheduled for 30 May 2023
IDX (Information Data Exchange)	Short/medium-term	TBC	Industry engagement has commenced
IDAM (Identity and Access Mgt)	Short/medium-term	TBC	Industry engagement has commenced
Portal Consolidation (PC)	Short/medium-term	TBC	Industry engagement has commenced
Review of the regulatory framework for metering services	Medium/longer-term	AEMC Final Report – June/July 2023	Final AEMC report expected June/July 2023
Flexible Trading Arrangements	Medium/longer-term	AEMC Consultation in progress	
EV Charging/enhancing the DER register	Medium/longer-term	TBC	

# Notes

- No additional notes captured



# Forward Agenda



# Forward Agenda



Month	Proposed Agenda	Meeting Type
May	<ul style="list-style-type: none"> <li>- Standing agenda items *</li> <li>- NEM RoLR Draft Report change pack</li> <li>- PERSONNAME definition ICF change pack</li> <li>- B2B Guide improvement review update</li> <li>- NEM Reform Initiatives Initial Assessment</li> </ul>	Virtual
June	<ul style="list-style-type: none"> <li>- Standing agenda items *</li> <li>- NEM RoLR Review</li> <li>- PERSONNAME definition ICF consultation</li> <li>- B2B Guide improvement review update</li> <li>- IEC IESS B2B Consultation</li> <li>- UMS Inventory OWN Proposal and Extreme Weather Event ICFs</li> <li>- IEC meet and greet</li> </ul>	Face-to-face
July	<ul style="list-style-type: none"> <li>- Standing agenda items *</li> <li>- NEM RoLR Review</li> <li>- PERSONNAME definition ICF consultation</li> <li>- B2B Guide improvement review update</li> <li>- IEC IESS B2B Consultation</li> <li>- Response to IEC Power Quality actions</li> </ul>	Virtual
August	<ul style="list-style-type: none"> <li>- Standing agenda items *</li> <li>- NEM RoLR Review</li> <li>- PERSONNAME definition ICF consultation</li> <li>- B2B Guide improvement review update</li> <li>- IEC IESS B2B Consultation</li> </ul>	Virtual

Month	Proposed Agenda	Meeting Type
September	<ul style="list-style-type: none"> <li>- Standing agenda items *</li> <li>- Finalise B2B Guide changes</li> <li>- NEM RoLR Review</li> <li>- IEC IESS B2B Consultation</li> </ul>	Face-to-face
October	<ul style="list-style-type: none"> <li>- Standing agenda items *</li> <li>- IEC IESS B2B Consultation</li> </ul>	Virtual
November	<ul style="list-style-type: none"> <li>- Standing agenda items *</li> <li>- IEC IESS B2B Consultation</li> </ul>	Virtual
December	<ul style="list-style-type: none"> <li>- Meeting to include IEC reps</li> <li>- Standing agenda items *</li> <li>- The year in review</li> <li>- Looking forward to 2024</li> </ul>	Face-to-face

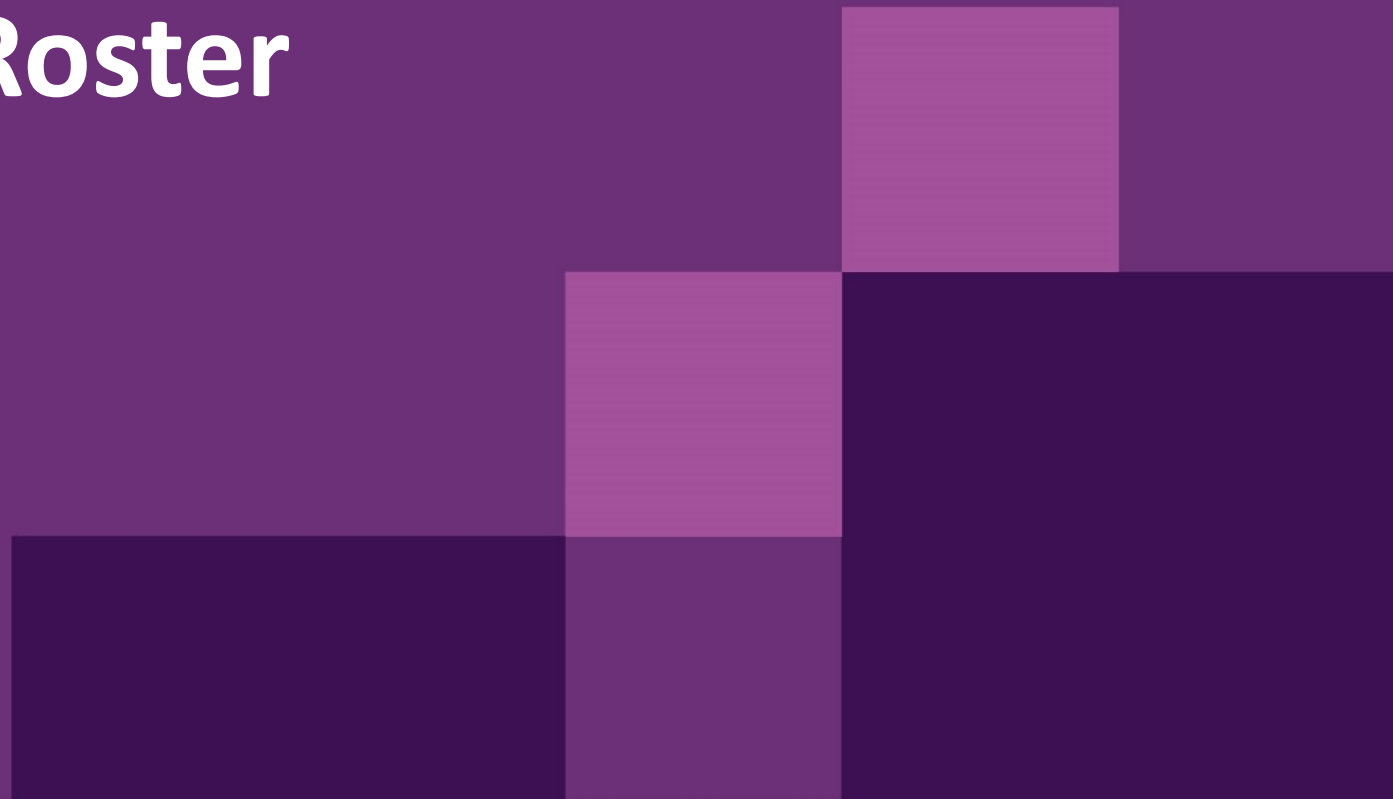
\* Standing agenda items include: Action Log, B2M Update, ICF Status Update



# Notes

- Forward agenda updated to reflect today's discussion/actions

# IEC Meeting Roster



# IEC Meeting Roster



IEC Meeting	Sector	B2B Rep	Comments
21 Feb 2023	Retail	Aakash Sembey (Origin Energy)	<ul style="list-style-type: none"> <li>Key matter: Expedited NEM RoLR Processes (Part B) Procedure Changes</li> </ul>
9 June 2023	All sectors	All members	<ul style="list-style-type: none"> <li>IEC has Requested for the B2B WG to present the B2B WG's forward agenda/roadmap and discuss 1 or 2 items of particular interest</li> </ul>
28 Aug 2023	Metering	Wayne Farrell (Yurika)	<ul style="list-style-type: none"> <li>Key matters: MSR, IESS</li> </ul>
27 Nov 2023	All sectors	All members	<ul style="list-style-type: none"> <li>IEC has requested for the B2B WG to attend the IEC's face-to-face meeting, location and exact timings TBC</li> </ul>

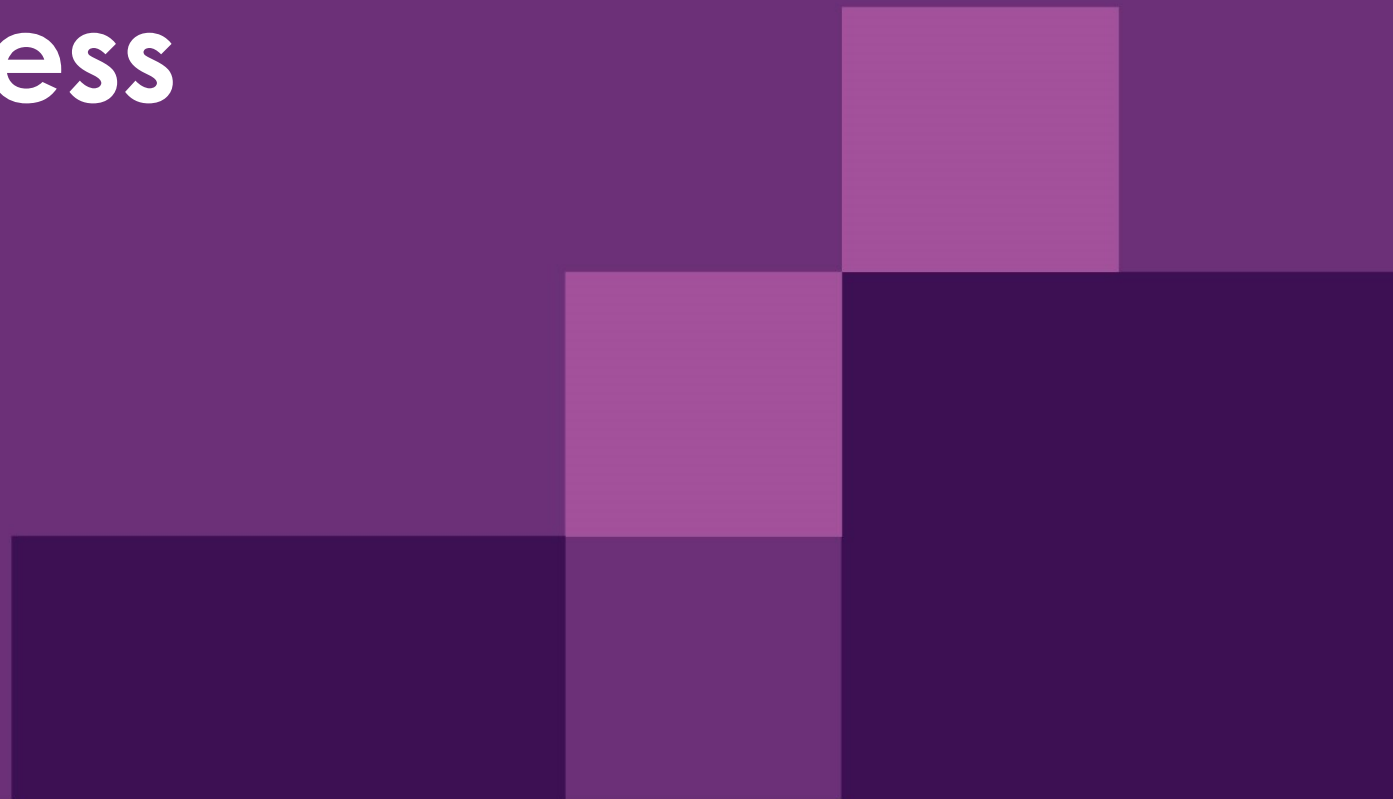
- Notes:
  - Roster exists to ensure equal opportunity to attend
  - Where the IEC agenda is focused on a particular Industry segment, amendments to the roster may occur

Sector	B2B WG Rep	Organisation	IEC Meeting
Retail	Mark Riley	AGL	Dec 2022
	Aakash Sembey	Origin	Feb 2023
	Sean Jennings	Red/Lumo	
	Robert Lo Giudice	Alinta	IEC member
	Jo Sullivan	EA	
Metering	Dino Ou	Intellihub	
	Helen Vassos	PLUS ES	
	Paul Greenwood	Vector	IEC member
	Wayne Farrell	Yurika	
Network	Justin Betlehem	AusNet	
	Graeme Ferguson	Essential	
	Robert Mitchell	EQL	
	David Woods	SAPN	
	Adrian Honey	TasNetworks	

# Notes

- No additional notes captured

# Other Business



# Other Business

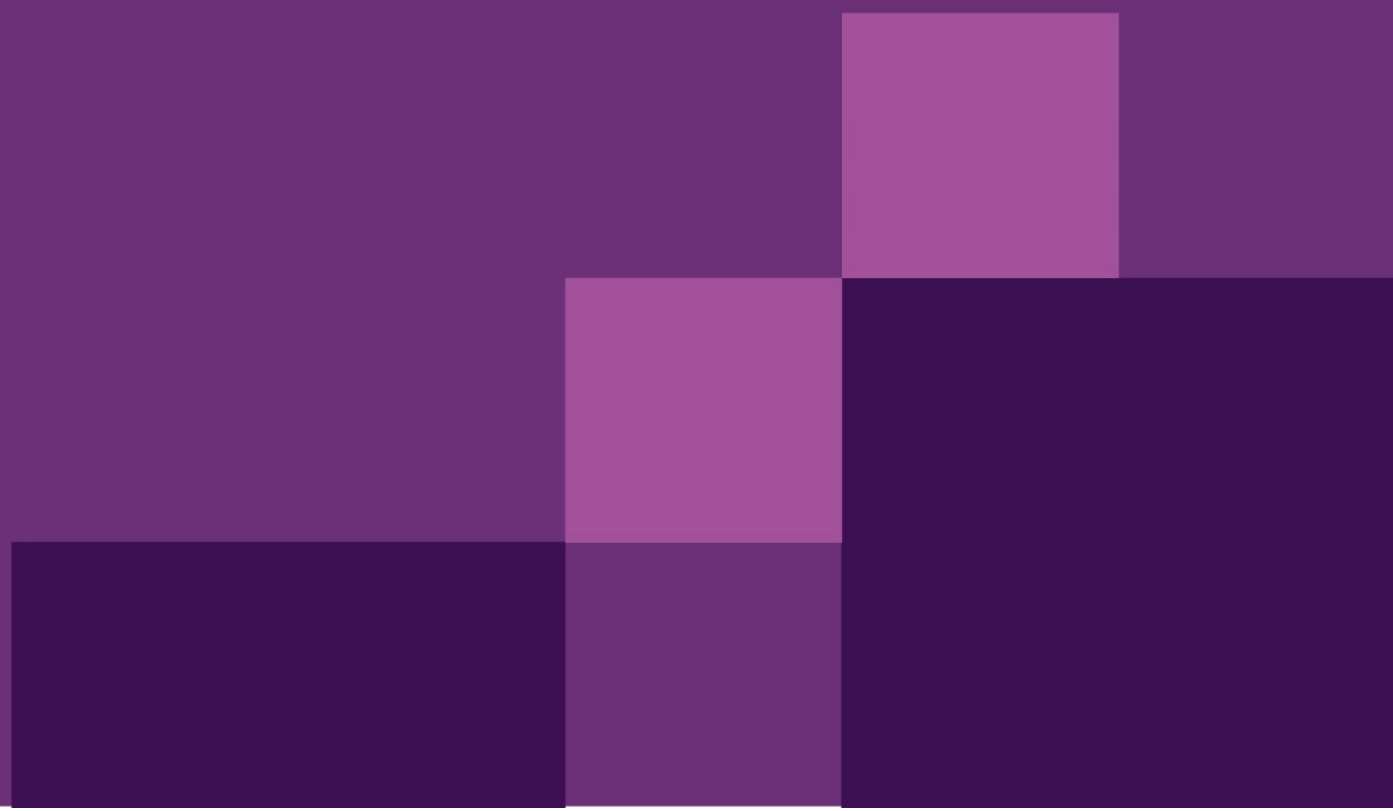
- Any other business items?



# Notes

- No additional notes captured

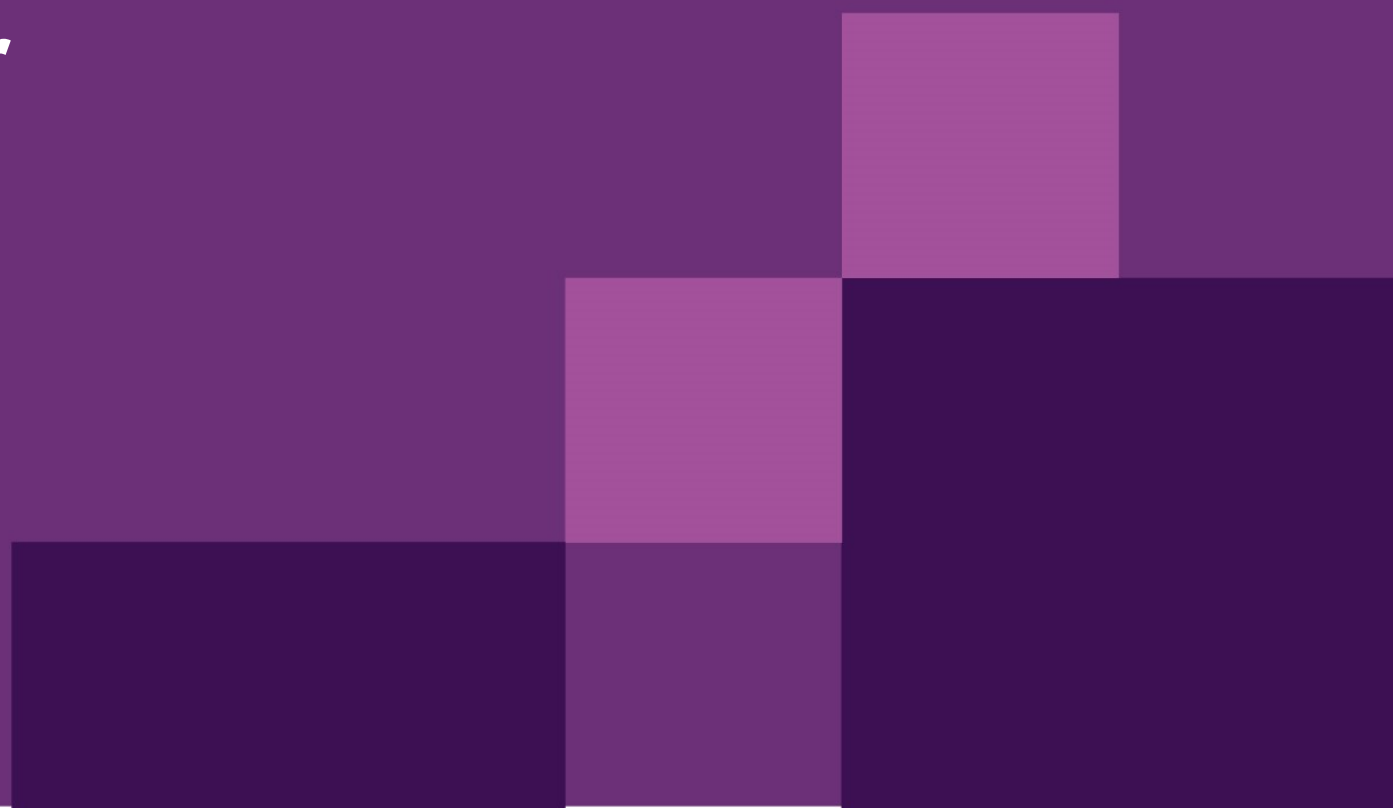
# Appendix







# ICF Register



# ICF Register Update

## (Pending)

Issue/Change Title	Short Description	Proponent	ICF Ref#	Subgroup?	Current Status/Update
ADWNAN Reporting changes	Assignment of Interval ADWNANs to MDP in AEMO Performance Reports	Jane Hutson (EQL)	017	No	Implementation delayed due to an identified impact to AEMO's MDM. Implementation date TBD.
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	Yes	Subgroup met on 14 March to further consider pain points and potential next steps
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	Yes	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	No	Document to be updated and published for comment. Exact timing still TBD.
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	Yes	Subgroup met on 7 Mar 2023, feedback being sought re objectives, AEMO analysis and potential longer-term options

# ICF Register Update

## (Under Consultation)

Issue/Change Title	Short Description	Proponent	ICF Ref#	Subgroup?	Current Status/Update
Review of NMI Classifications	Some NMI Classifications are defined according to consumption, while some are defined according to throughput. The descriptions should be updated for consistency and to better accommodate for new connection arrangements (EG: those associated with IESS)	Mark Riley (AGL)	059	Yes	Included in the IESS Consultation • Submissions due 3 April
Increase 'Building Name' Field Length in MSATS	Currently the "Building Name" field in MSATS is 30 CHAR, Ausgrid would like to change this to 60 CHAR. Proposal is for MSATS to be updated to be aligned to the Procedure i.e. xsd:string maxLen = 30 x 2 therefore allowing for 60 characters in MSATS.	Wayne Turner (Ausgrid)	070	No	Included in the IESS Consultation • Submissions due 3 April

# ICF Register Update

## (Awaiting Release)

Issue/Change Title	Short Description	Proponent	ICF Ref#	Current Status/Update
Child NMI standing data quality - TNI and DLF	<p>ENM compliance requirement includes maintenance of standing data of Child NMIs – TNI and DLF I.</p> <p>Child NMI TNI and DLF is directly inherited from parent NMI TNI and DLF for all child NMIs except Child NMIs with site specific TNIs.</p> <p>ENMs currently do not have visibility on parent NMI standing data and to any changes made on the parent NMI standing data (CRs raised on Parent NMIs).</p> <p>This results in an issue as the Child NMI TNI and DLF becomes inaccurate when a parent NMI TNI and DLF are changed in the market but not updated to the ENMs.</p> <p>This affects the Child NMI billing in the market resulting in incorrect billing of consumers. * This also directly affects the SDQ report in MSATS and in turn our ENM compliance report from AEMO.</p>	intelenm@energy intel.com.au	032	Scheduled for 30 May 2023 release.
Updating Network Tariff for a Greenfield NMI	Configuration change to validation in MSATS on the CR3101 to allow the CR3101 to continue rather than reject on a Greenfield NMI.	Laura Peirano (UE)	047	Scheduled for 30 May 2023 release.
Clarifying when an embedded network code must be issued	Clarifying EN interpretations of the relevant clause, so the clauses are applicable regardless of the Distributor’s embedded network application process.	Dino Ou (Endeavour)	055	Scheduled for 30 May 2023 release.

# ICF Register Update

## (Awaiting Release)

Issue/Change Title	Short Description	Proponent	ICF Ref#	Current Status/Update
<p>Addition of the 'HouseNumberToSuffix' field</p>	<p>The 'House Number To Suffix' is a part of the Australian structured address standards.</p> <p>'HouseNumberToSuffix' was added to the r42 schema in mid-November 2021 by the ASWG, the body that ensures the technical accuracy of the aseXML schema. At the time, ASWG Industry representatives suggested that, purely from an XML perspective, it would be prudent to add a 'HouseNumberToSuffix' element as a logical extension of 'HouseNumberTo'.</p> <p>While its addition to the schema may be technically valid, its addition to the Procedures is still subject to consultation.</p>	<p>Aakash Sembey (Origin Energy)</p>	<p>064</p>	<p>Scheduled for 30 May 2023 release.</p>
<p>Removal of NMI Discovery Type 3 limitations</p>	<p>'Won in Error' process being impacted by MSATS NMI Discovery Type 3 showing an error message where a transfer completed more than 130 business days ago.</p> <p>This MSATS constraint forces market participants to rely on a manual process and retailers are left with no choice but to obtain the 'previous FRMP' details from the relevant network via email.</p> <p>Rule 7.15.5 (c) and (e) of the NER provides relevant provisions for retailers to access to energy data, including NMI Standing Data, in order to comply with its obligation. Since there are no restrictions in the NER, Origin requests AEMO to consider removing this validation from MSATS.</p>	<p>Aakash Sembey (Origin Energy)</p>	<p>065</p>	<p>Scheduled for 30 May 2023 release.</p>

# ICF Register Update

## (Awaiting Release)

Issue/Change Title	Short Description	Proponent	ICF Ref#	Current Status/Update
'Spikes' in settlement volumes within a 30-minute period	Following the introduction of SMS, 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	Scheduled for 1 October 2023 release.
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	New C1 'TF_DATA_ELEMENT_MAPPING' report expected to be implemented between 30 May and Nov 2023



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