

ERCF Meeting #9

Wed 21 September 2022

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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.
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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.
 - This includes on the call and in the chat

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- AEMO is committed to complying with all applicable laws, including the Competition and Consumer Act 2010 (CCA). In any dealings with AEMO regarding proposed reforms or other initiatives, all participants agree to adhere to the CCA at all times and to comply with this Protocol. Participants must arrange for their representatives to be briefed on competition law risks and obligations.
- Participants in AEMO discussions must:
 - Ensure that discussions are limited to the matters contemplated by the agenda for the discussion
 - Make independent and unilateral decisions about their commercial positions and approach in relation to the matters under discussion with AEMO
 - Immediately and clearly raise an objection with AEMO or the Chair of the meeting if a matter is discussed that the participant is concerned may give rise to competition law risks or a breach of this Protocol
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 - Which customers they will supply or market to
 - The price or other terms at which Participants will supply
 - Bids or tenders, including the nature of a bid that a Participant intends to make or whether the Participant will participate in the bid
 - Which suppliers Participants will acquire from (or the price or other terms on which they acquire goods or services)
 - Refusing to supply a person or company access to any products, services or inputs they require

Under no circumstances must Participants share Competitively Sensitive Information. Competitively Sensitive Information means confidential information relating to a Participant which if disclosed to a competitor could affect its current or future commercial strategies, such as pricing information, customer terms and conditions, supply terms and conditions, sales, marketing or procurement strategies, product development, margins, costs, capacity or production planning.

Agenda

1. Welcome & agenda
2. NEM Reform Implementation Roadmap
3. IESS
4. Substitution Type Workshop Update
5. Treatment of Non-schema Valid Values
6. Enumerations Subgroup Update
7. Embedded network codes ICF_055
8. ICF Register Update
9. Subgroup Updates
10. Consultations Update
11. General Business and Next Steps



NEM Reform Implementation Roadmap

Blaine Miner (AEMO)

NEM Reform Implementation Roadmap

- AEMO published Version 1 of the NEM Reform Implementation Roadmap (The Roadmap) on 1 Sept 2022, outlining a hybrid pathway that establishes a baseline plan for the implementation of reform in the energy market.
 - <https://aemo.com.au/-/media/files/initiatives/regulatory-implementation-roadmap/reform-update-v1/nem-reform-implementation-roadmap-v1.xlsx?la=en>
- This release includes an integration of the Regulatory Implementation Roadmap
 - Version 7 and NEM2025 Implementation Roadmap
 - Version 2 to provide a holistic view of the regulatory reforms and IT uplift initiatives over the coming years.
- AEMO has led the development of The Roadmap, together with the Reform Delivery Committee (RDC), to establish a basis upon which to navigate the Energy Security Board (ESB) and other reforms over the coming few years, de-risking delivery, and looking for opportunities to take cost out of reform implementation and informing implementation timing.
- AEMO held a stakeholder forum on 8 September to provide an overview of:
 - The Roadmap, including incorporation of stakeholder feedback;
 - The supporting processes, stakeholder engagement and governance put into place to manage changes to scope and timing and a progressive investment commitment process and drawdown of funds; and
 - Next steps for mobilising the implementation program and engagement with stakeholders.

NEM Reform Implementation Roadmap

Items of interest:

| Title | Primary Sector | Reform Status | Phase | Objective |
|---------------------------------------|--------------------|---------------|---|---|
| Flexible trading arrangements model 2 | Retail | In Progress | Phase 1 - NEM2025 Reform Initiatives | Remove or materially reduce barriers preventing customers obtaining additional retail arrangements for DER, enabling competition and active management of DER, providing customers with rewards for their flexible demand and generation. |
| Capacity Mechanism | Wholesale & Retail | Conceptual | Phase 2 - Foundational & NEM2025 Reform Initiatives | The Commission has published a directions paper on options for the scheduling and procurement of essential system services to ensure the power system remains secure in response to rule change requests from Hydro Tasmania and Delta Electricity. |
| DER Data Hub and Registry Services | Industry Wide | Conceptual | Phase 4 - Strategic, NEM2025 Reform & Data Strategy Initiatives | Establish a DER Data Hub to provide efficient and scalable data exchange and registry services for DER between industry actors (Customer Agents, DNSPs, retailers, AEMO. Customer Agent to device communications is addressed in technical standards processes). |
| DER Operational Tools | Industry Wide | Conceptual | Phase 4 - Strategic, NEM2025 Reform & Data Strategy Initiatives | To identify and develop, in collaboration with DNSPs, new DER operational tools that may be required by each party, which can work together to maintain efficient and secure power system operations at times when up to 100% of system load can be met with DER. |
| Data Services | Industry Wide | Conceptual | Phase 4 - Strategic, NEM2025 Reform & Data Strategy Initiatives | To define and deliver data services models that enable greater access to, and derived value from, existing data via innovative data services and analytics capabilities. |
| Bill Transparency | Industry Wide | Conceptual | Phase 4 - Strategic, NEM2025 Reform & Data Strategy Initiatives | Provide a statistically robust, accessible source of data on what consumers are actually paying, linking their retail arrangements and usage to understand both billing arrangements and associated market outcomes. |
| Electric Vehicles | Industry Wide | Conceptual | Phase 4 - Strategic, NEM2025 Reform & Data Strategy Initiatives | It is critical to ensure agencies and market participant have sufficient visibility of emerging EV technologies to support efficient and responsive forecasting, planning, and operational management. |

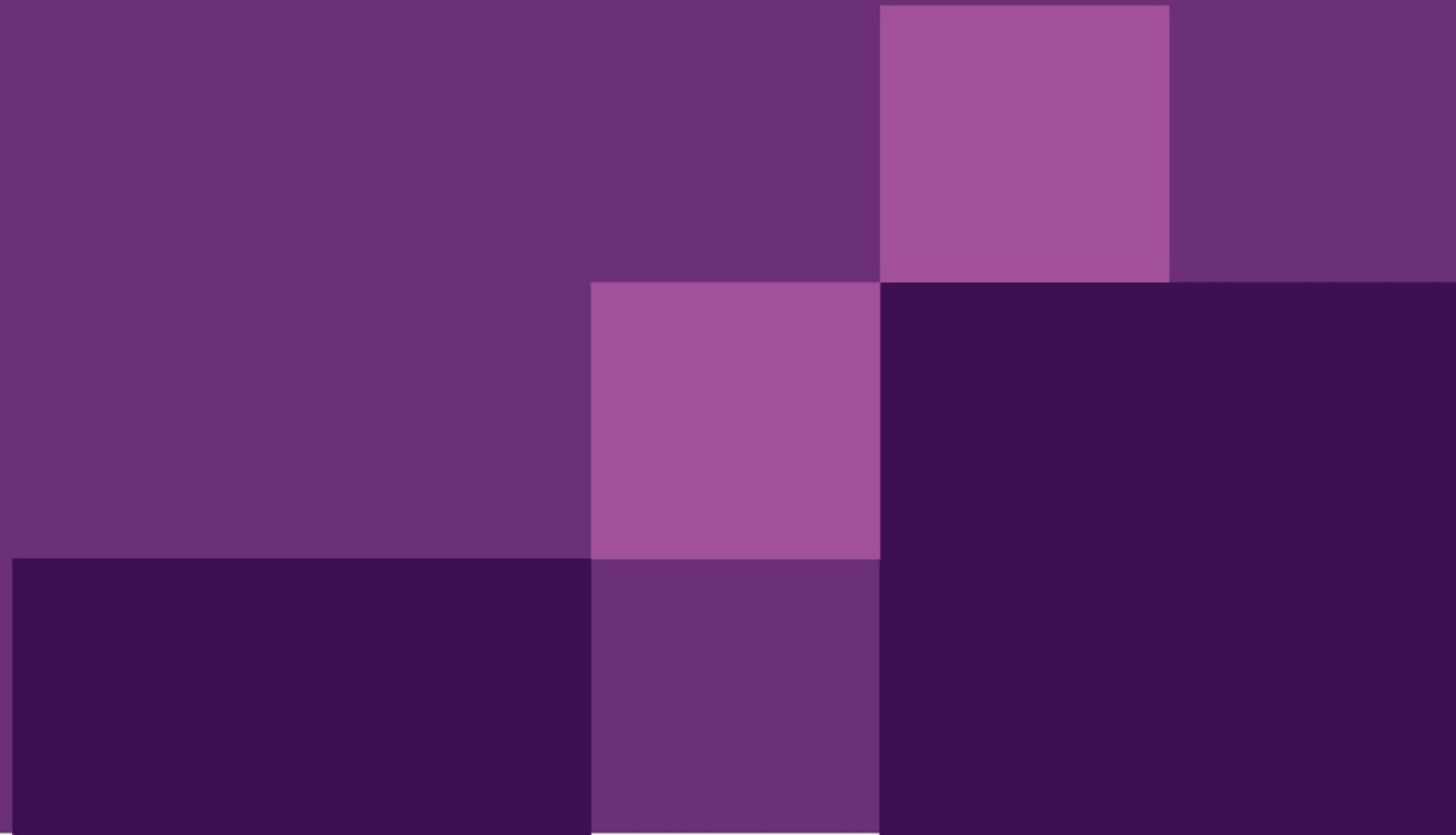
Note: There are a large number of initiatives in the roadmap, not listed in this table, where AEMO has been called out as the ‘Primary Sector’

Notes

- Blaine Miner (AEMO) spoke to the Agenda slide
- Blaine Miner (AEMO) spoke to the NEM Reform Implementation Roadmap slides
 - Meghan Bibby (AEMO) noted the PCF (Program Consultative Forum) has called for nominations
 - It is looking for representatives from organisations for delivery of the entire overarching program of work, not just individual programs, to have oversight withing your organisations.
 - First PCF meeting is scheduled for Wednesday 5 October.
- **Action:**
 - Blaine Miner to circulate the PCF nominations email to the ERCF
 - Completed, email circulated Tues 27 Sept



IESS



IESS Team

| PROJECT ROLE | |
|-----------------------------|-----------------|
| Business lead | Emily Brodie |
| Project manager | Damien Banky |
| Procedure lead | Nicole Nsair |
| Stakeholder engagement lead | Ulrika Lindholm |
| Industry readiness | TBC |



Supported by a wide range of SMEs



iess@aemo.com.au



<https://aemo.com.au/initiatives/major-programs/integrating-energy-storage-systems-project>

Quick recap on IESS implementation

- The majority of changes made by the IESS rule will come into effect on 3 June 2024
- Two changes will come in earlier, 31 March 2023, allowing:
 - Aggregators of small generating and storage units to provide frequency control ancillary services
 - Hybrid systems to use aggregated dispatch conformance
 - * Neither of these changes are expected to impact the Retail Electricity Market Procedures
- 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.
- Useful links:
 - AEMO IESS website:
 - <https://aemo.com.au/initiatives/submissions/integrating-energy-storage-systems-iess-into-the-nem>
 - Key artifacts include: AEMO High-level design, AEMO Implementation straw person
 - AEMC IESS website:
 - <https://www.aemc.gov.au/rule-changes/integrating-energy-storage-systems-nem>
 - Key artifacts include: The AEMC's Final Determination, Final consolidated rule and Fact sheet

NMI Classification Codes Update

| Proposed new NMI Classification Code | Description | Comment |
|--------------------------------------|-------------------------------------|---|
| TIRS & DIRS | TNSP & DNSP registered hybrid | This would cover integrated resource systems (IRS) and replaces the current requirement for two NMIs (scheduled load, scheduled generation) and application of UFE and market fees. |
| DGENERATR | DNSP connected registered generator | Enables identification of DNSP connected generators for appropriate UFE application. |

- **Questions raised by the ERCF in July:**
 - **Who is expected to apply and maintain each of these proposed codes against the NMIs in MSATS?**
 - AEMO would apply the appropriate NCC to the NMI from the date of AEMO Registration approval. The NCC would remain in place while the NMI remains associated with a Registered Installation. It would be expected that NSPs would update the NCC in their own systems when notified via the CR notification process.
 - The NCC remains associated with the Registered installation until its Registration is updated to a different Registration category e.g. DGENERATR to DIRS or deregistered in that category e.g. DGENERATR to NREG.
 - **What NCC should an NSP apply when creating a NMI?**
 - The NSP should create a NMI with a NCC that is not associated with an AEMO Registered installation e.g. NREG etc. Once AEMO approves the Registration, AEMO will update the NCC to an NCC associated with a Registered installation e.g. DGENERATR etc.

IESS terminology changes

- This section focuses on the IESS terminology changes as an early pre-consultation topic
- The rule makes extensive changes to NER Chapter 10 (Glossary), including:
 - deleting existing defined terms (removing altogether or replacing with new terms)
 - introducing new defined terms
 - amending defined terms to reflect registration and classification changes and incorporate the new IRP
- AEMO would like to understand what, if any, of the terminology changes are likely to have a material impact for participants' systems and processes
 - For example, some terminology changes will have an impact for AEMO procedures (e.g. *first-tier load*, *second-tier load*) but may not have a large impact for Industry
 - Other changes will be minor from an AEMO procedure and system perspective but may have a material impact for industry
- Examples of terminology changes relevant to the retail space are listed in the following slides – AEMO is seeking feedback on any that are likely to be an issue for Industry as part of the IESS implementation, particularly terms that are being deleted and/or replaced by new terms.
 - It is the responsibility of participants to ensure they check the rule themselves to understand any other terminology changes that may have an impact
 - Note IRPs may become retailers and classify end user connection points (under the Market Customer label); Procedures will need to be reviewed and we will explore the implications of this as part of the consultation.

IESS terminology changes

Examples of deleted defined terms

| Deleted term | Replacement |
|---|--|
| Embedded Generator | Distribution Connected Resource Provider |
| failed Market Small Generation Aggregator | failed Small Resource Aggregator |
| First-Tier Customer | - |
| first-tier load | - |
| Market Small Generation Aggregator | Small Resource Aggregator |
| micro embedded generator | micro resource operator |
| MSGGA customer | SRA customer |
| Second-Tier Customer | - |
| second-tier load | - |
| Small Generation Aggregator | Small Resource Aggregator |
| market load** | market connection point |

** term **market load** will no longer be used for classification as end users may both import and export electricity. The final rule removes **market load** from Ch 2 and elsewhere in the NER but retains the definition in Ch 10 for the purposes of its use in the National Electricity (SA) Regulations.

IESS terminology changes

Examples of new terms

- Adjusted consumed energy
- Adjusted gross energy
- Adjusted sent out energy
- Basic micro DER connection
- Bidirectional unit
- Cost Recovery Market Participant
- Distribution connected bidirectional unit
- Distribution connected generating unit
- Integrated Resource Provider
- Micro DER connection
- Small bidirectional unit
- Small resource connection point
- Distribution connected unit
- Distribution connected unit operator
- Integrated Resource Provider

IESS terminology changes

Examples of amended terms

- Customer
- Demand Response Service Provider
- Financially responsible
- Market connection point
- Market Customer
- Market load
- Small generating unit
- Child connection point
- DER generation information
- DER Technical Standards
- Distribution Network User
- Distribution network user access
- Embedded Generator
- Export tariff
- Market Participant
- Retail customer
- Retailer insolvency costs
- Retailer insolvency event

Notes

- Emily Brodie (AEMO) spoke to slides 10 & 11
 - IESS enables batteries to be commissioned and registered and participate in the wholesale market effectively.
 - Currently batteries have to register and bid twice to deal with the bidirectional flows. IESS is designed to better manage these processes.
 - The AEMC introduced a new participant category of Integrated Resource Provider (IRP) and new classification of Bidirectional Unit (BU) which applies to technologies that have both production and consumption features.
- Blaine Miner (AEMO) spoke to slides 12-16
 - The current expectation is that Distributors will create NMIs with existing NMI Classification codes and if this code is required to change due to a registration process then AEMO will change the code.
 - Applicable Participants would be notified via CATS notifications.
- Kambiz Vessali asked if the definition of the amended terms have changed.
 - Emily Brodie (AEMO) noted the amended terms formed part of the AEMC rule change and the consolidating rule change, these can be viewed on the AEMC's website.
- **Action:**
 - ERCF members to consider the potential impacts of IESS related terminology changes on their organisations.



Substitution Type Workshop Update

Blaine Miner (AEMO)

Substitution Type Workshop

- The Workshop was held on Tues 30 August 2022
- Objectives of the workshop were:
 - To ensure that the current Met Part B subtypes are still ‘fit-for-purpose’ for the current and emerging market conditions
 - To make existing obligations and processes more efficient and effective
- Current issues and pain points discussed:
 - Disruption to typical usage patterns impacting the validity or perceived ‘accuracy’ of provided substituted values e.g. COVID (working from home and then moving back to offices) impacting the appropriate use of like day types
 - Leading to costly manual interventions and/or wholesale and billing implications
 - Lengthy and onerous Approval processes associated to the use of ‘Agreed’ or ‘Alternative’ substitution types i.e. Type 16 and Type 18
 - Lack of easy identification of substitution methodologies being applied to support ‘Agreed’ or ‘Alternative’ substitutions
 - Penetration of interval meters impacting the ability to understand the situation at a site i.e. premises not being physically visiting due to remote comms
 - Ambiguity around the application of certain subtypes
 - MDPs seeking more discretion and empowerment
 - The risk of more onerous activities being exacerbated by the penetration of remote meters for small customers

Substitution Type Workshop

- Items for consideration:

- The proposed methodologies detailed in ICF_044, ICF_054 and PlusES' workshop proposal
- Adding new subtypes to more easily communicate/identify the underlying methodologies currently supporting the Agreed or Alternative subtype arrangements
- How subtypes can better recognise/reflect applicable factors that may be impacting the sites usage profile
- How bilateral agreements can further mitigate current pain points e.g. extension of the 15 day thresholds
- How other MSATS standing data values can be leveraged to support more automated/'pre-approved' subtype activities e.g. NCC, CCC and CTC
- The potential benefits of aligning, where appropriate, type 1-4, 4A, 5 and 6 arrangements e.g. previous period or year application, number of days, etc.
- Reviewing the Reason Codes to better reflect the situation supporting the subs
- The current time and volume thresholds in the applicable obligations

- Workshop recommendations and next steps

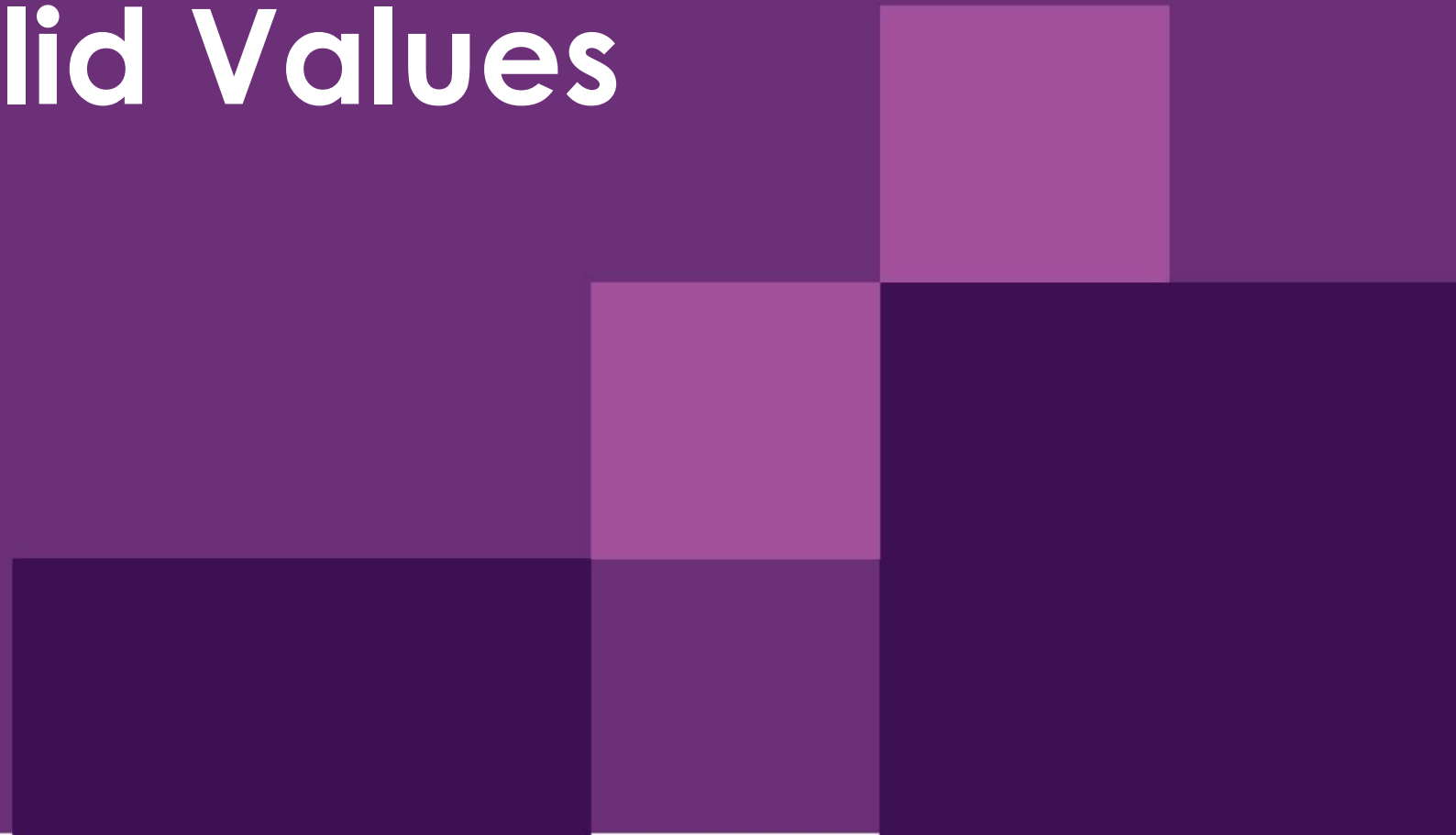
- For a subgroup to be formed to identify and consider potential changes, through the application of use cases, to AEMO's existing procedures and the Industry's existing processes to better achieve the stated objectives
 - Recommended that the subgroup:
 - Contains both MDP WG (small and large MDPs) and Small Retailer representation
 - Focuses on the net value (benefits and costs) of any proposed changes

Notes

- Blaine Miner (AEMO) spoke to the Substitution Type Workshop slides
- Shaun Cupitt noted that MPs should also be included in this subgroup
- **Action:**
 - ERCF to email nominations for the Substitution Type Subgroup to ercf@aemo.com.au

Treatment of Non-schema Valid Values

Blaine Miner (AEMO)



Treatment of Non-schema Valid Values

- Background:
 - In response to an action captured in the July meeting, ‘AEMO to distribute to the ERCF their initial non-schema valid values analysis, including applicable fields and indicate volumes’, AEMO provided the following analysis in tabular form
- Discussion:
 - Should these values be cleansed?
 - If yes, how and when should these values be cleansed?
 - What potential impacts might these activities have on Participant processes and systems?
- Next steps
 - TBD

| CATS_NMI_DATA Column | Invalid Values | % Invalid |
|----------------------|----------------|-----------|
| NMI | 101 | 0.000087% |
| FLATNUMBER | 19,423 | 0.016635% |
| FLOORNUMBER | 5,325 | 0.004561% |
| BUILDINGNAME | 233,309 | 0.199825% |
| LOCATIONDESCRIPTOR | 44,899 | 0.038455% |
| LOTNUMBER | 7,493 | 0.006418% |
| STREETNAME | 149,388 | 0.127948% |
| LOCALITY | 44,997 | 0.038539% |
| STATE | 4 | 0.000003% |
| UNSTRUCTUREDADDRESS1 | 78,001 | 0.066806% |
| UNSTRUCTUREDADDRESS2 | 29,509 | 0.025274% |
| UNSTRUCTUREDADDRESS3 | 10,977 | 0.009402% |
| TNICODE | 3 | 0.000003% |

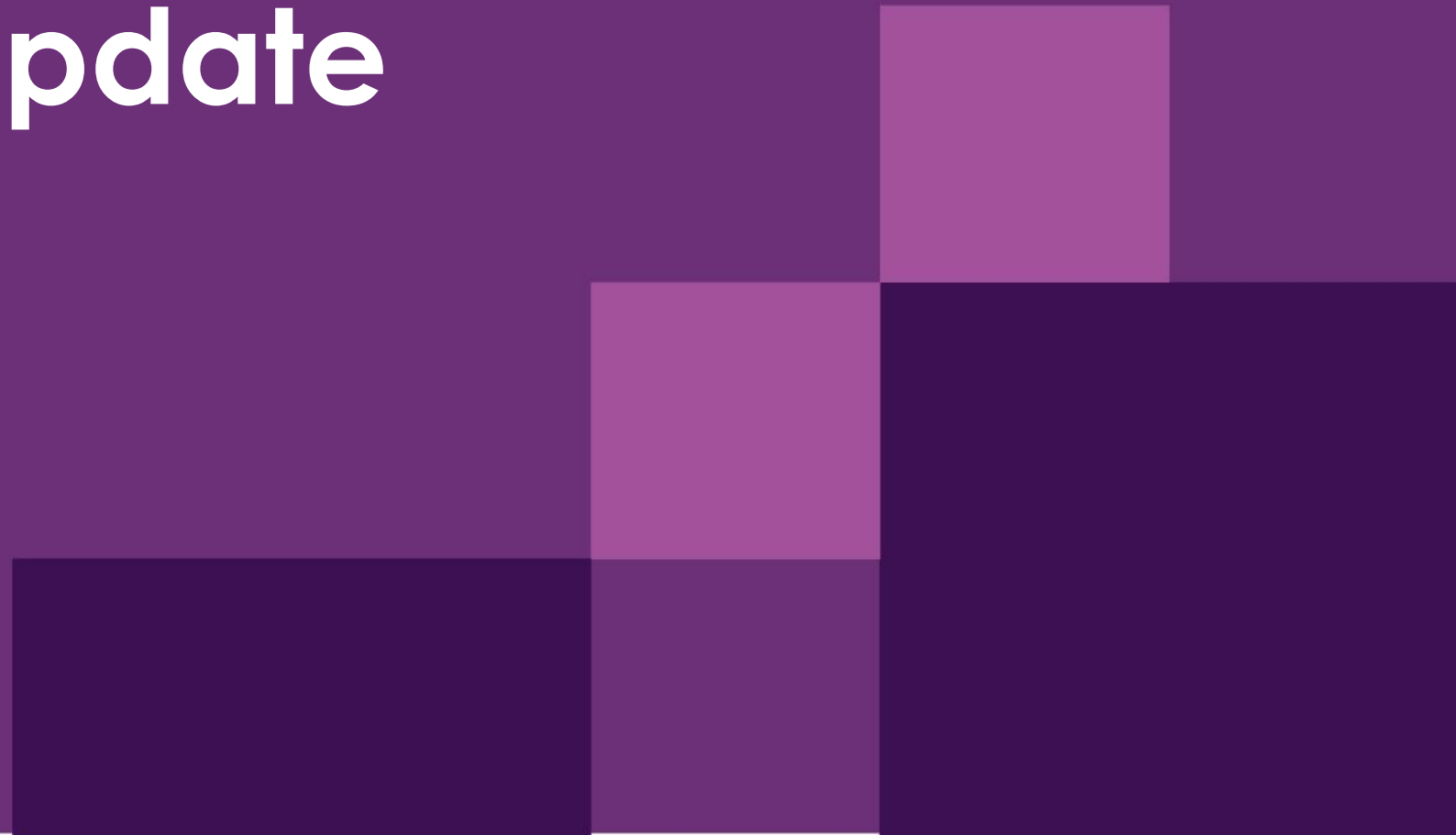
Notes

- Blaine Miner (AEMO) spoke to the Treatment of Non-schema Valid Values slide
- David Woods noted it would be beneficial to get the specific data for each Participant to be able to review and confirm impacts and approach.
- Lenard Bull (AEMO) noted:
 - Issues are increasing as participants move to APIs, seems to be more prevalent when using APIs.
 - More issues since the last release and becoming more urgent
 - Should potentially be completed before the next release
- Lenard Bull (AEMO) noted:
 - AEMO could potentially update the data, provided AEMO could put a space in for the non-schema valid value. AEMO could complete the update and provide the update to the appropriate parties.
- Mark Riley (AGL) noted retailers would like to know what incorrect data had been received initially and what data is changing
- **Actions:**
 - ERCF to provide feedback on AEMO's proposal for it update the Non-schema Valid Values with a blank on the Industry's behalf
 - AEMO to determine if the Non-schema Valid Values can be provided at a participant level



Enumerations Subgroup Update

Mark Riley



Enumerations Subgroup

- Mark Riley to provide an update to the ERCF

Notes

- Mark Riley (AGL) gave an update on the Enumerations Subgroup:
 - Propose all CT and VT ratio elements to be put in an external process and removed from the Standing Data for MSATS procedure
 - Could be done as an expedited consultation, as the change doesn't change any outcomes
 - A draft ICF is expected to be provided by the subgroup by Wednesday 28 September
- Blaine Miner (AEMO) noted:
 - The Standing Data for MSATS procedure will be published for comment in the coming weeks
 - This is to ensure the document is the most up to date prior to November 7.
- **Action:**
 - ERCF members to send through any proposed final changes to the Standing Data for MSATS procedure by Friday October 7.



Embedded network codes ICF_055

Blaine Miner (AEMO)

Embedded network codes ICF_055

- Background:

- MSATS requires each embedded network to be given a code, which is called the embedded network code, which is used to identify the parent NMI and child NMIs.
- The CATS Procedure defines a process for obtaining and applying this embedded network code into MSATS, along with who is responsible for each step and the time frame for each step.
- The issue is with interpretation, as there are two interpretation Endeavour had encountered:
 - The clauses are only applicable when the Distributor approves the parent connection point for a greenfield embedded network application or approves an existing market connection point to be a parent connection point for a brownfield embedded network application
 - The clauses are applicable regardless of the Distributor's embedded network application process

- AEMO's Proposal:

- For the CATS Procedures to be updated to reflect the following changes to 'Embedded Network Codes and Rules' section, currently 4.12(b) in version 5.1:
 - (iv) For a Greenfield site, once all obligations have been met under the NER Chapter 5 and 5A and jurisdictional documentation, provide an Embedded Network Code to AEMO within five business days of receiving a request from the embedded network owner or the ENM acting on behalf of the embedded network owner.
 - (v) For a Brownfield site that for all intents and purposes has been set up as an embedded network but all consumers were purchasing energy from the embedded network owner, once all obligations have been met under the NER Chapter 5 and 5A and jurisdictional documentation, provide an Embedded Network Code to AEMO within five business days of receiving a request from the embedded network owner or the ENM acting on behalf of the embedded network owner.
 - (vi) For a Brownfield site that may require network infrastructure changes, once all obligations have been met under the NER Chapter 5 and 5A and jurisdictional documentation, provide an Embedded Network Code to AEMO within five business days of receiving a request from the embedded network owner or the ENM acting on behalf of the embedded network owner.

- Proposed Next steps:

- For the proposed changes to be consulted on as part of the upcoming 'Load Profiling' consultation

Notes

- Blaine Miner (AEMO) spoke to the Embedded network codes ICF_055 slide
- Proposed changes to CATS to be included for feedback in the Load Profiling Methodologies Consultation



ICF Register Update

Blaine Miner (AEMO)

ICF Register Update

| Issue/Change Title | Short Description | Proponent | ICF Ref# | Current Status/Update |
|---|---|------------------------------|----------|--|
| ADWNAN Reporting changes | Assignment of Interval ADWNANs to MDP in AEMO Performance Reports | Jane Hutson, EQ | 017 | Implementation delayed due to an identified impact to AEMO's MDM. Implementation date TBD. |
| 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 the 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 the May 2023 release. |

ICF Register Update

| Issue/Change Title | Short Description | Proponent | ICF Ref# | Current Status/Update |
|---|--|------------------------|----------|---|
| NMI Status Updates | Proposes more explicit obligations regarding LNSPs reflecting NMI status energisations/de-energisations in MSATS regardless of the mechanism that triggered the status and this trigger point being from when LNSPs are advised of said status. | Helen Vassos (PLUS ES) | 052 | Subgroup formed. Proponent considering next steps. |
| Substitution 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 | 'Substitution Type review' workshop occurred on 30 Aug. Next steps to be confirmed by the ERCF. |
| 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 | Proposed changes to form part of the 'Load Profiling Methodologies' consultation, scheduled to commence late Sept 2022. |
| 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 | Subgroup formed. Proponent considering next steps. |

ICF Register Update

| Issue/Change Title | Short Description | Proponent | ICF Ref# | 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 | Subgroup formed. Proponent considering next steps. |
| '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 | Proposed changes to form part of the 'Load Profiling Methodologies' consultation, scheduled to commence late Sept 2022. |
| Incorrect 'Meter Manufacturer' and 'Meter Model' obligations associated to CR305x transactions in CATS Procedures v5.3 | <p>From 7 Nov 2022, 'Meter Manufacturer' and 'Meter Model' will become Mandatory fields in MSATS. An issue has been identified in the application of this obligation associated to situations where a new MPB needs to remove a meter from MSATS where these fields have not been previously populated.</p> <p>CATS Procedures v5.3, effective date 7 Nov 2022, states that for CR3004/5 transactions that 'Meter Manufacturer' and 'Meter Model' are only required when the status code is 'C' (Current), however, this is not stated for CR305x transactions, the procedure currently states that these fields must always be supplied, even for a removal.</p> <p>AEMO is recommending for this misalignment to be fixed as part of the next REMP consultation.</p> | Jackie Krizmanic (AEMO) | 061 | Closed – Changes included in Part 1 of the CDR Consultation Final Determination |

ICF Register Update

| Issue/Change Title | Short Description | Proponent | ICF Ref# | Current Status/Update |
|--|---|-------------------------------|----------|---|
| GPS Coordinates Value where no GPS coverage is available at the metering installation. | PLUS ES proposes the following to mitigate unnecessary handling of GPS Coordinates. <ul style="list-style-type: none"> All MPBs must use a specific value which will indicate to the industry that GPS coverage was not available at the metering installation The proposed value is 0.00000 (5-7 decimal places) to align with the format specified in the NMI Standing Data Procedure. GPSCoordinatesLat, GPSCoordinatesLong field description to be updated in the NMI Standing Data Procedure to reflect the proposed value and prerequisite for its use. | Helen Vassos (PLUS ES) | 062 | Closed – Changes included in Part 1 of the CDR Consultation Final Determination |
| Additional Transformer Valid Values | There are several values missing from the transformer enumerated field lists in the “STANDING DATA FOR MSATS V5.2” document. Some are common values which will impact most metering participants, e.g., CT Ratio (Connected) = 3000:5 | Steven Thomson (Intellihub) | 063 | Closed – Changes included in Part 1 of the CDR Consultation Final Determination |
| Addition of the ‘HouseNumberToSuffix’ field | <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> | Aakash Sembey (Origin Energy) | 064 | Proposed changes to form part of the ‘Load Profiling Methodologies’ consultation, scheduled to commence late Sept 2022. |

ICF Register Update

| Issue/Change Title | Short Description | Proponent | ICF Ref# | Current Status/Update |
|---|--|----------------------------------|----------|---|
| Removal of NMI Discovery Type 3 limitations | <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> | Aakash Sembey (Origin Energy) | 065 | Proposed changes to form part of the 'Load Profiling Methodologies' consultation, scheduled to commence late Sept 2022. |
| New 'CT Ratio Available' field values requested | <p>New 'CT Ratio Available' field values are being requested by PlusES:</p> <ul style="list-style-type: none"> • 1250:01 • 60000:05 • 1000/1200/1600:5 • 1000/1500/2000:5 • 400/1400/1600/2400:1 • 600/750:1 • 200/600/900/2400:1 • 15/25/40/60:5 • 50/75/100/150:5 | Linda Brackenbury (PlusES) | 066 | Standing Data for MSATS procedure to be updated and published for comment In Oct, in preparation for 7 Nov 2022. |

ICF Register Update

| Issue/Change Title | Short Description | Proponent | ICF Ref# | 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 | Document to be updated and published for comment. Exact timing still TBD. |

Notes

- Blaine Miner (AEMO) spoke to the ICF Register Update slides
- No additional notes or actions were captured

Subgroup Updates

Proponents



Subgroup Updates

| Issue/Change Title | Short Description | ICF Ref# | Status | Proponent | Current Status/Update |
|--|---|----------|---------|-----------------------|--|
| Clarification of End Date in Inventory Table | AGL has raised the issue that Inventory Tables are being populated and maintained inconsistently between DNSPs and that the data being provided by some DNSPs are seen as being inadequate. | 56 | Active | Mark Riley (AGL) | Subgroup last met on 6 April 2022. Next steps being considered by the proponent. |
| 'Spikes' in settlement volumes within a 30-minute period | Following the introduction of 5MS (1 Oct 2021), Powershop has witnessed peculiar 'spikes' in settlement volumes. This subgroup is being established to discuss and consider potential long-term solutions to address this issue. | 60 | Active | Mark Riley (AGL) | AEMO to presented their analysis, options assessment and proposed next steps to the subgroup on Wed 24 Aug. Consultation to commence late Sept 2022. |
| NMI Status | PlusES is proposing that the NMI status must be updated by the LNSP when they become aware that the supply status to the connection point is different from what is recorded in MSATS. i.e. the updating of the NMI status should not only occur when the LNSP has effected an energisation service. | 52 | On-hold | Helen Vassos (PlusES) | Subgroup last met on 4 May 2022. Next steps being considered by the proponent |
| Review of NMI Classifications | AGL is proposing that the basis of, and the NMI classifications themselves, be reviewed to ensure they appropriately communicate the service a NMI represents. | 59 | Active | Mark Riley (AGL) | Subgroup met on Fri 5 Aug. Subset of the subgroup met on Thurs 11 Aug. Next steps being considered by the proponent |
| Enumerations | Subgroup is considering the preferred treatment of various MSATS enumerations, predominantly around separating the enumerations into 2 categories: <ul style="list-style-type: none"> • Those that have a consequential impact on key Industry functions e.g. billing which should continue to be maintained in AEMO's 'Standing Data for MSATS' procedure • Those that are provided for 'information purposes only' which may be able follow the ASWG's 'Rapid change process' | TBD | Active | Mark Riley (AGL) | Subgroup to provide an update at this meeting |



Consultations Update

Kate Gordon (AEMO)

Consultations Updates

| Consultation | Short Description | Status | Current Status/Update |
|---------------------------------|---|-------------|--|
| Standalone Power Systems (SAPS) | AEMO has prepared an Issues Paper to facilitate informed debate and feedback by industry about the most efficient way to meet the objectives for implementing the SAPS Framework in AEMO Retail Electricity Market and Settlement procedures. | In progress | <ul style="list-style-type: none"> Submissions due Thursday 22 September (additional time allowed to consider changes). Final report due by Thursday 3 November 2022. |
| Consumer Data Right (CDR) | Consumer Data Right (CDR) is Australian Government legislation, introduced in November 2017, to give more control and choice to consumers on how their data is shared and used. CDR has been introduced as an amendment to the Competition and Consumer Act under Australian Commonwealth legislation. AEMO has published an Issues Paper regarding the most efficient way to meet AEMO's Consumer Data Right (CDR) obligations and other matters which require modification (including ICF 061, ICF 062 and ICF 063). | In progress | <ul style="list-style-type: none"> CDR Final Report Part 1 published - Monday 12 Sept CDR Draft Report Part 2 published - Monday 12 Sept <ul style="list-style-type: none"> Submissions due on Draft Report Part 2 by Tuesday, 27 September 2022 Final report due by Thursday, 8 November 2022. |
| UFE Reporting Guidelines | AEMO has prepared an Issues Paper to facilitate informed debate and feedback by industry about the content of the UFE reporting guidelines to meet the objectives for 3.15.5B in the NER. | In progress | <ul style="list-style-type: none"> Submissions due on Issues Paper by Friday 7 October 2022 |
| Load Profiling (ICF_060) | <p>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.</p> <p>Consultation also expected to include:</p> <ul style="list-style-type: none"> ICF_055 - Embedded Network Codes - Procedure(s) impacted: CATS ICF_064 - 'HouseNumberToSuffix' field - Procedure(s) impacted: CATS/WiGS and Standing Data for MSATS ICF_065 - Removal of NMI Discovery Type 3 limitations | Upcoming | <ul style="list-style-type: none"> Formal consultation expected to commence late Sept 2022 |
| I ESS | 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. | Upcoming | <ul style="list-style-type: none"> In recognition of ERCF feedback, formal consultation re Retail & Metering consultations are planned to commence mid-2023 In order to ensure an ongoing and consistent flow of information between the ERCF and the IESS WG Blaine Miner will attend the IESS WG meetings |

Notes

- Blaine Miner (AEMO) spoke to the subgroup slides
 - Proposed Subgroup relating to ICF_060 stays to remain active as the subgroup could be leveraged to consider consultation feedback
 - All other subgroups have been quiet
- Blaine Miner (AEMO) spoke to the consultation update slide.
 - Mark Riley noted the complexity of the Load Profiling Methodologies, unless you had previous experience in the settlement processes.
 - Mark Riley suggested a workshop placeholder should be scheduled, after the consultation commences
- **Action:**
 - AEMO to send out a placeholder for a Load Profiling Methodology workshop



General Business and Next Steps

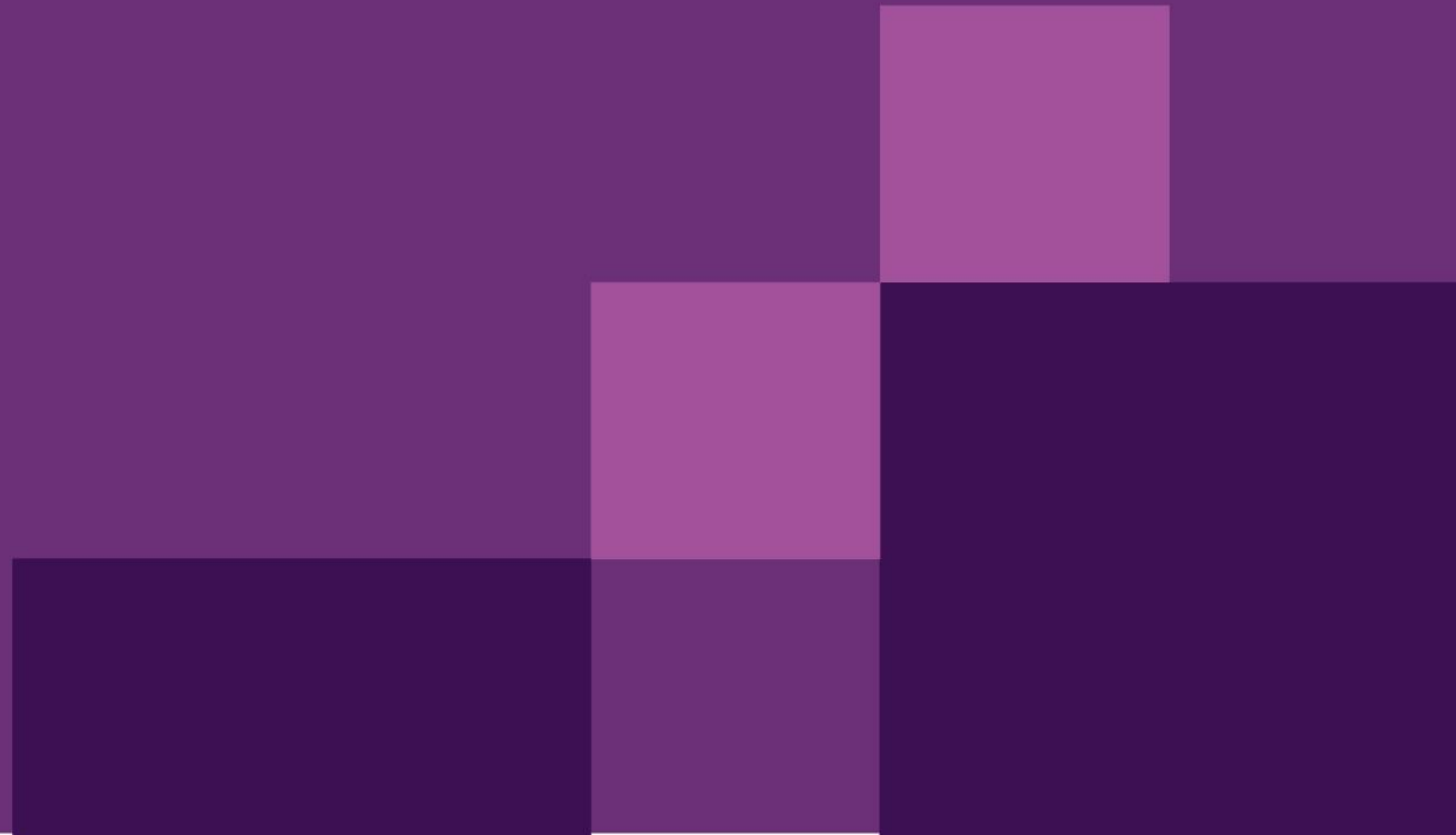
Blaine Miner (AEMO)

General Business & Next Steps



- Are there any general business items members wish to raise?
- Actions and notes to be circulated asap
- Consideration of ongoing meeting frequency
- Next meeting currently scheduled for Thursday 27 October
 - Please send through any proposed agenda items, questions or comments to ERCF@aemo.com.au

Appendix



ERCF Planned Release Summary

November 2022:

| ICF ID | Description | Document Impacted |
|--------|--|---------------------------|
| 013 | Change Cancellation Timeframe for CR6800 | • CATS Procedure |
| 016 | Reinstatement of MC Objection of BadParty” for Victorian SMALL NMIs | • CATS Procedure |
| 031 | Revision of definitions of SMALL and LARGE NMI Classifications | • CATS Procedure |
| 049 | Controlled Load Enumerations | • Standing Data for MSATS |
| 053 | GPS Coordinates Minimum Requirements. Connection configuration clarification | • Standing Data for MSATS |
| 062 | GPS Coordinates Value where no GPS coverage is available at the metering installation. | • Standing Data for MSATS |
| 063 | Additional Transformer Valid Values | • Standing Data for MSATS |

May 2023:

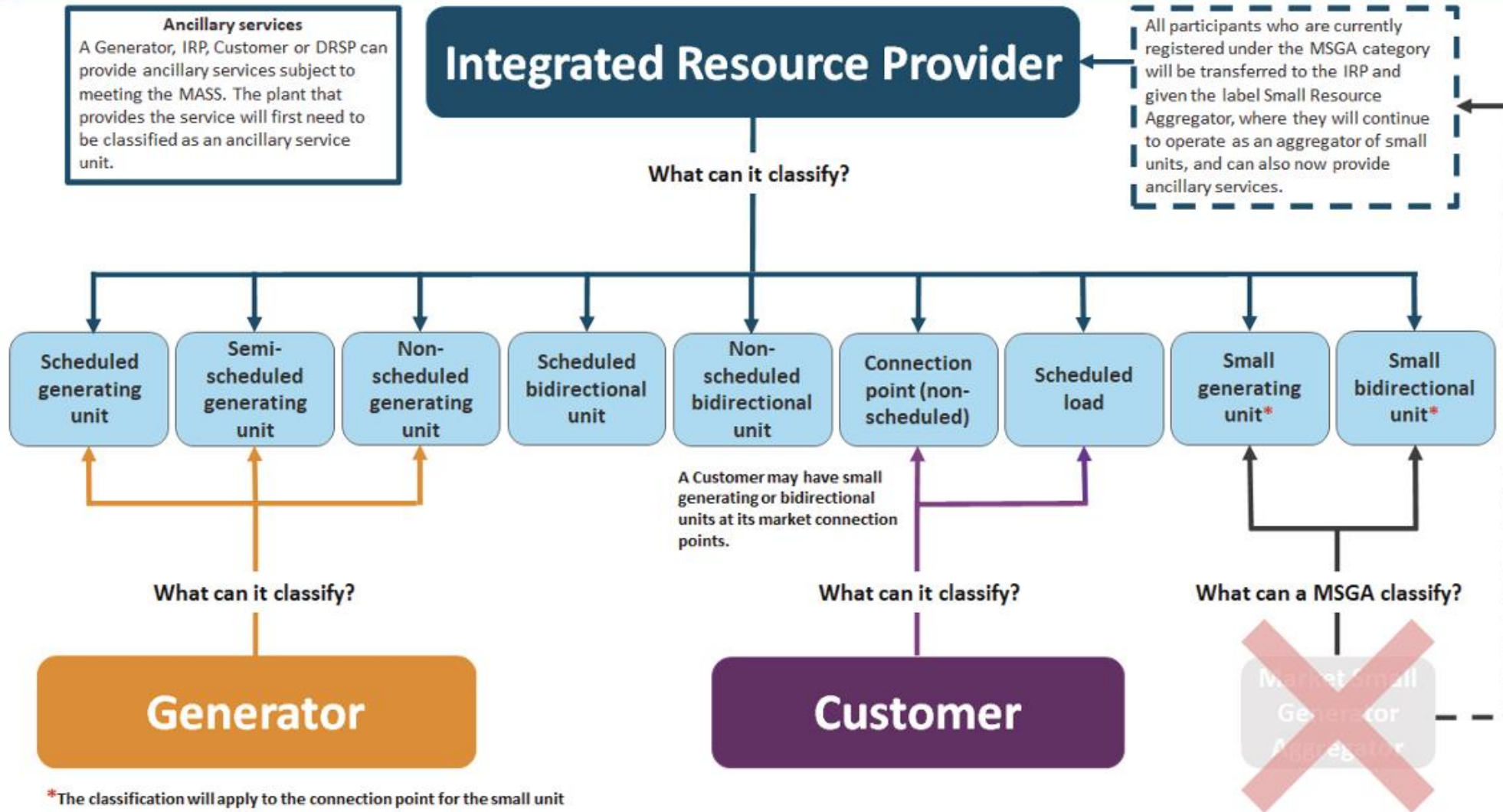
| ICF ID | Description | AEMO Change Type |
|--------|---|----------------------|
| 032 | Child NMI standing data quality - TNI and DLF | • System only change |
| 047 | Updating Network Tariff for a Greenfield NMI | • System only change |

* Please note that the above summary only contains ERCF initiated changes and does not include other initiatives such as MCPI, MSDR, GS, etc.

ERCF Member Provided LNSP SIFP Email Addresses

| Organisation | Email Address |
|--------------------|--|
| Ausgrid | mbshelpdesk@pluses.com.au |
| AusNet | LNSP@ausnetservices.com.au |
| Citipower Powercor | connectionservicesenquiries@powercor.com.au |
| Endeavour Energy | groupisolation@endeavourenergy.com.au |
| Energex | premisedata@energex.com.au |
| Ergon Energy | premisedata@ergon.com.au |
| Essential Energy | networkB2B@essentialenergy.com.au |
| EvoEnergy | nemnetwork@evoenergy.com.au |
| Jemena | mc@jemena.com.au |
| SAPN | sipflag@sapowernetworks.com.au |
| TasNetworks | TasNetworksLNSP@tasnetworks.com.au |
| United Energy | MROsupport@ue.com.au |

Figure 1: Classifications and services that can be provided by Market Participants



Source: AEMC



For more information visit

aemo.com.au