MSATS Standing Data Review
Summary of Workshop Outcomes

February 2020

Field analysis outcomes

Agreements reached

Proposal	Information Category	Field Name	Field Description	Workshop decision
To amend	NMI Details	Feeder Class	A code to provide Participants with information to indicate the appropriate service level timeframes for performing work in relation to Service Order Requests.	No change. Few uses outside of QLD. 'Required' field for QLD.
To amend	NMI Details	Life Support	Flag to indicate if the customer at the NMI has life support requirement.	No change. Out of scope for this Review.
To add (proposed field)		MC appointment	AGL proposed this new field in their MSDR fields analysis feedback	No change. May breach contract confidentiality and create competition issues.
To add (proposed field)		Meter Malfunction Exemption Number	The exemption number granted by AEMO when a meter malfunction exemption is granted	To be taken to consultation
To add (proposed field)		Meter Malfunction Exemption Expiry Date	The end date of the malfunction exemption	To be taken to consultation

Agreements reached

Proposal	Information Category	Field Name	Field Description	Workshop decision
To amend	Address Details	Delivery Point Identifier (DPID)	Delivery point identifier - the numeric descriptor for a postal delivery point which is equal to a physical address.	No change proposed. Consultation to consider replacing with or including G-NAF - AEMO to investigate cost and feasibility of populating the field.
To amend	Address Details	Address Line 1-3	To provide the unstructured address (line 1) where a structured address cannot be supplied.	To data cleanse with a mind towards removing unstructured address fields. AEMO to look into whether moving data from unstructured to structured field can automatically delete the former.

Agreements reached

Proposal	Information Category	Field Name	Field Description	Workshop decision
To add (proposed field)	Transformer Information	CT Configuration	Code to denote information about the configuration of the connection point. First character = accuracy class of the current transformer. Second character = connected ratio of the current transformer. Third character: type of transformer	To add separate fields for CT and VT with possible validations (Nov 2021 preferred date). Split Fields to include last test date, ratio, type, location, accuracy codes, and serial number. Required field
To add (proposed field)	Transformer Information	VT Configuration	Code to denote information about the configuration of the voltage transformer (if one exists) at the connection point. First character = accuracy class of the voltage transformer. Second character = connected ratio of the voltage transformer. Third character: type of transformer	
To add (proposed field)	Metering installation information	Disconnection Method	Enumerated list describing the method by which the meter at that point for that NMI was most recently disconnected.	Not to be added.
To add	Metering installation information	Meter Family Failure	Enumerated list to indicate whether meter family failure is present.	Not to be added, as long as exemption fields added.

Agreements reached

Proposal	Information Category	Field Name	Field Description	Workshop decision
To add	Metering installation information	Meter Locks	Enumerated list to denote the presence of locks on the metering installation.	Not to be added. Costly to deliver.
To add	Metering installation information	Plug-In Meter flag	Y/N flag to indicate whether the meter is a plug-in meter, where "Y" indicates that the meter is a plug-in meter.	Not to be added, pending amendment of Meter Model and Meter Manufacturer fields
To add	Metering installation information	Meter Test Report	A pdf of the most recent meter test report.	Not to be added.
To add	Metering installation information	Minimum interval length	The minimum interval at which the meter can record data.	Not to be added.

Agreements reached

Proposal	Information Category	Field Name	Field Description	Workshop decision
To amend	Metering Installation Information	Meter Hazard	Code identifying hazards associated with reading the meter	No change to "Meter Hazard". "Meter Location" and "Additional Site Information" fields to be combined. Character limit to be increased for Meter Location.
To amend	Metering Installation Information	Meter Manufacturer	The manufacturer of the installed meter.	To be enumerated with regular compulsory updates.
To amend	Metering Installation Information	Meter Model	The meter manufacturer's designation for the meter model.	
To amend	Metering Installation Information	Meter Point	Identifies the order of the meter uniquely for the NMI	Make Meter Suffix retrospective
To amend	Metering Installation Information	Meter Program	A description of the program used to initialise the installed meter	Remove field
To amend	Metering Installation Information	Meter Read Type Code	Code to denote the method and frequency of Meter Reading.	Make mandatory, add 4th code.

Agreements reached

Proposal	Information Category	Field Name	Field Description	Workshop decision
To amend	Metering installation information	Meter Test Result Accuracy	The accuracy figure from the meter test performed on the date indicated in the Last Test Date field.	Field to be amended to instead be a combined test date and pass / fail flag (e.g. a successful test on 1 January 2020 could be coded as 202001011), logic list to be included in description.
To amend	Metering installation information	Next Test Date	Next date on which the meter should be tested.	Same logic as CT/VT test dates – keep last test date, remove next test date. (Logic: If there's an exemption and no test date, it failed. If no exemption and a test date, then it would have passed)
To amend	Metering installation information	Last Test Date	The date on which the metering installation was last tested or inspected by the Metering Provider "B". This date will be used if clause 7.9.4(a) of the NER needs to be applied.	
To amend	Metering installation information	Meter Constant	The meter KE (intrinsic constraint of meter in Wh/pulse).	To be removed

Agreements reached

Proposal	Information Category	Field Name	Field Description	Workshop decision
To amend	Register level information	Controlled Load	Indicates whether the energy recorded by this register is created under a Controlled Load regime.	Option 3 supported: Enumerated field regularly updated with config changes and aligned with B2B transaction
To amend	Register level information	Demand1	This field contains the peak demand value for summer for network Tariff purposes. Units in kW or kVA	To be removed.
To amend	Register level information	Demand2	This field contains an additional demand value (not Summer period). Units in kW or kVA	
To amend	Register level information	Time Of Day	Code to identify the time validity of register contents. As published by each LNSP.	Enumerate, data cleanse required
To add	Connection and Metering Point Details	Asbestos	A Y/N flag indicating the presence of asbestos.	Field not to be added, this information to be incorporated into Site Hazard field, which will have an increased character limit

Agreements reached

Proposal	Information Category	Field Name	Field Description	Workshop decision
To add	Connection and Metering Point Details	Connection Configuration	Code to denote information about the configuration of the connection point.	Various votes held on field: • Third character (Presence of Shared Isolation Points) to be populated by LNSP as separate field. • Vote mixed on whether to include "whole current" under character 1 – AEMO to do investigations to be included in issues paper. • Phases supplied/used not to be split. • Should be a combined code, rather than separate fields. • LV/HV definitions that refer to the Australian Standards to be added
To add	Connection and Metering Point Details	Type 4A reason	Reason for 4a metering. No telecoms or customer refusal.	To be added, pending Legal advice. Would be populated by MC or MPB.
To remove	Connection and metering point details	Additional Site Information	Descriptive of the Site, describing Site access and the relationship between the metering point and the connection point.	To be combined with Meter Location

Agreements reached

Proposal	Information Category	Field Name	Field Description	Workshop decision
To add	Connection and Metering Point Details	Switchboard Photo	A photo of the switchboard, as at the most recent site visit.	Not to be added
To add	Connection and Metering Point Details	Switchboard Size	The width and height of the switchboard (to the nearest centimetre).	Not to be added
To add	Metering installation location information	GPS Coordinates	GPS coordinates of the metering installation.	To be considered in conjunction with G-NAF and DPID and explored in consultation. Meter-level.
To add	Metering installation location information	Earliest expiring device		Not to be added
To remove	Metering installation location information	Meter Location	Descriptive material identifying the relationship between the location of the metering point and the connection point.	To be combined with Additional Site Information, pending testing.

Agreements reached

Schedule 7.1 – Rule change proposal Option 3 (NER is description of what must be in MSATS *at minimum*, references to the 3 fields that are currently in S7.1 but not in MSATS to be removed)

To be proposed in conjunction with AEMC post-POC review.

NER Clause 7.12.1 Metering register

Unchanged

Schedule 7.1

AEMO to submit Rule change proposal following the MSATS Standing Data Review workshop to make Schedule 7.1.2 a description of what should be in MSATS *at a minimum*.

Embedded Networks Reform Impact on MSATS Standing Data

Noura Elhawary

Embedded Networks Details Participant Feedback

AEMO proposed no change to the following existing Embedded Network Details fields in MSATS

Information Category	Field Name	Field Description	Participants in Agreement with AEMO's Analysis	Other Participant Views
Embedded Network Details	Embedded Network Code	Embedded Network Code.	100% Overall	If this field was to be included in MSATS, then we believe that the ENM or ENO should populate this field as it is related to embedded networks AEMO's notes indicated possible additional fields, which will need consideration as part of EN reforms.
Embedded Network Details	Embedded Network Description	Description of embedded network Code	100% Overall	
Embedded Network Details	Suburb / Place / Locality	Locality to which the embedded network identifier belongs.	100% Overall	
Embedded Network Details	PostCode	Postcode for the locality to which the embedded network identifier belongs.	100% Overall	
Embedded Network Details	State / Territory	State or Territory abbreviation in accordance with AS 4590.	100% Overall	
Embedded Network Details	EENSP	The Exempt Embedded Network Service Provider to be provided by the ENM once they are appointed for an embedded network	100% Overall	

Address remaining issues from complex topics

Meghan Bibby

Outstanding discussions and decisions

Proposal	Information Category	Field Name	Field Description	Workshop decision
To add (proposed field)	Addressing information	Section Number	Section Number of the land	To be added as a NSW Required field
To add (proposed field)	Addressing information	DP Number	Deposited Plan Number of the land	To be added as a NSW Required field
To add (proposed field)	Addressing information	G-NAF	Geocoded National Address File	To be considered by AEMO to be used in addition to, or to the exclusion of the proposed additional addressing information fields. Also to be considered: transitionals, whether the field can be auto-populated, who is responsible for populating it and whether it should be R or M

Outstanding discussions and decisions

Proposal	Information Category	Field Name	Field Description	Workshop decision
To amend	Transformer Information	Transformer Location	Details the existence of instrument transformers and their location relative to the market connection point.	To be amended – Split to CT and VT
To amend	Transformer Information	Transformer Ratio	Statement of the available and applied transformer ratios.	To be amended – Split to CT and VT
To amend	Transformer Information	Transformer Type	Explanation of the type of transformation used.	To be amended – Split to CT and VT
To add (proposed field)	New table	Other network device(s)	NMI-level devices. EG: If there were multiple CTs, load control devices, anything attached to a NMI or Meter	To be investigated for feasibility

Outstanding discussions and decisions

Proposal	Information Category	Field Name	Field Description	Workshop decision
To make enumerated	Metering Installation Information	Meter Manufacturer	The manufacturer of the installed meter.	12-month transition timeframe – when a Meter is updated, data should be updated retrospectively. To be considered.
	Metering Installation Information	Meter Model	The meter manufacturer's designation for the meter model.	As above
To amend	Metering Installation Information	Meter Program	A description of the program used to initialise the installed meter	Field not supported. Delete field
To amend	Metering Installation Information	Meter Use	A code identifying how the meter is used.	To make Required. Clearer description and enumerations to be provided (EG: statistical, logical, revenue, check).

Outstanding discussions and decisions

Proposal	Information Category	Field Name	Field Description	Workshop decision
To amend	Metering installation information	Meter Constant	The meter KE (intrinsic constraint of meter in Wh/pulse).	To be deleted, pending feedback regarding whether the field is required (EG: older equipment)
To add	Site Details	Customer Site Defect	A flag to indicate a site defect for which a customer would be responsible	To be explored in the issues paper
To add		Shared Fuse	As required by the AEMC's final determination	AEMO to conduct investigations about how this should be incorporated.
Topic areas where there was general agreement with AEMO's Analysis: This section of the presentation is non-controversial and was discussed at the end of the workshop. Slides circulated separately to the outcomes slides.				

Issue prioritisation

Michelle Norris and Meghan Bibby

Issue Prioritisation

Timeframes reviewed for when fields should be implemented

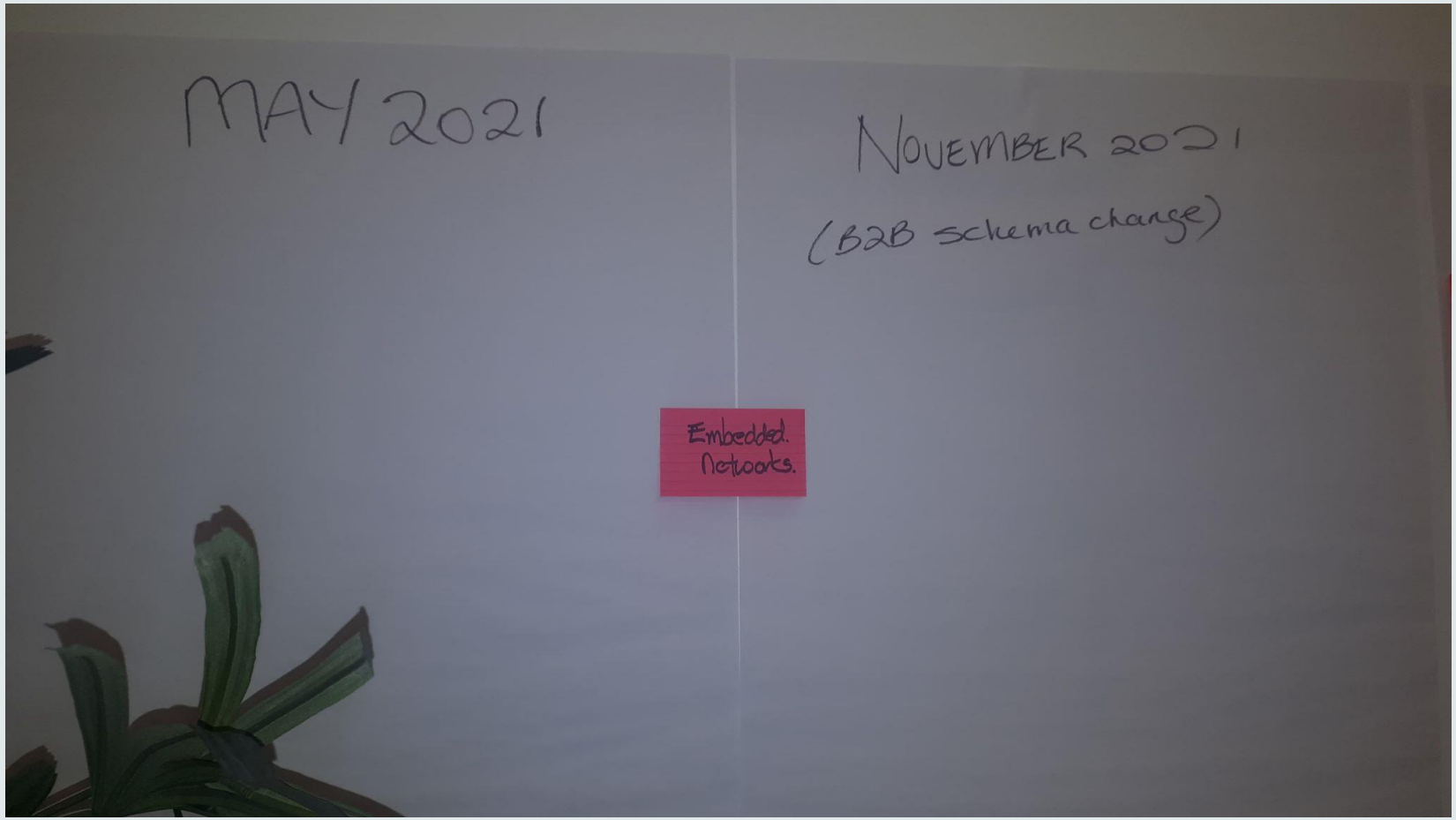
- May 2021
- Nov 2021 (B2B schema change)
- May 2022 (B2M schema change)
- Nov 2022
- May 2023

NB: AEMO notes strong industry-wide support for MSATS to be moved to a real-time and otherwise more responsive system.

Issue Prioritisation

Other impacts:

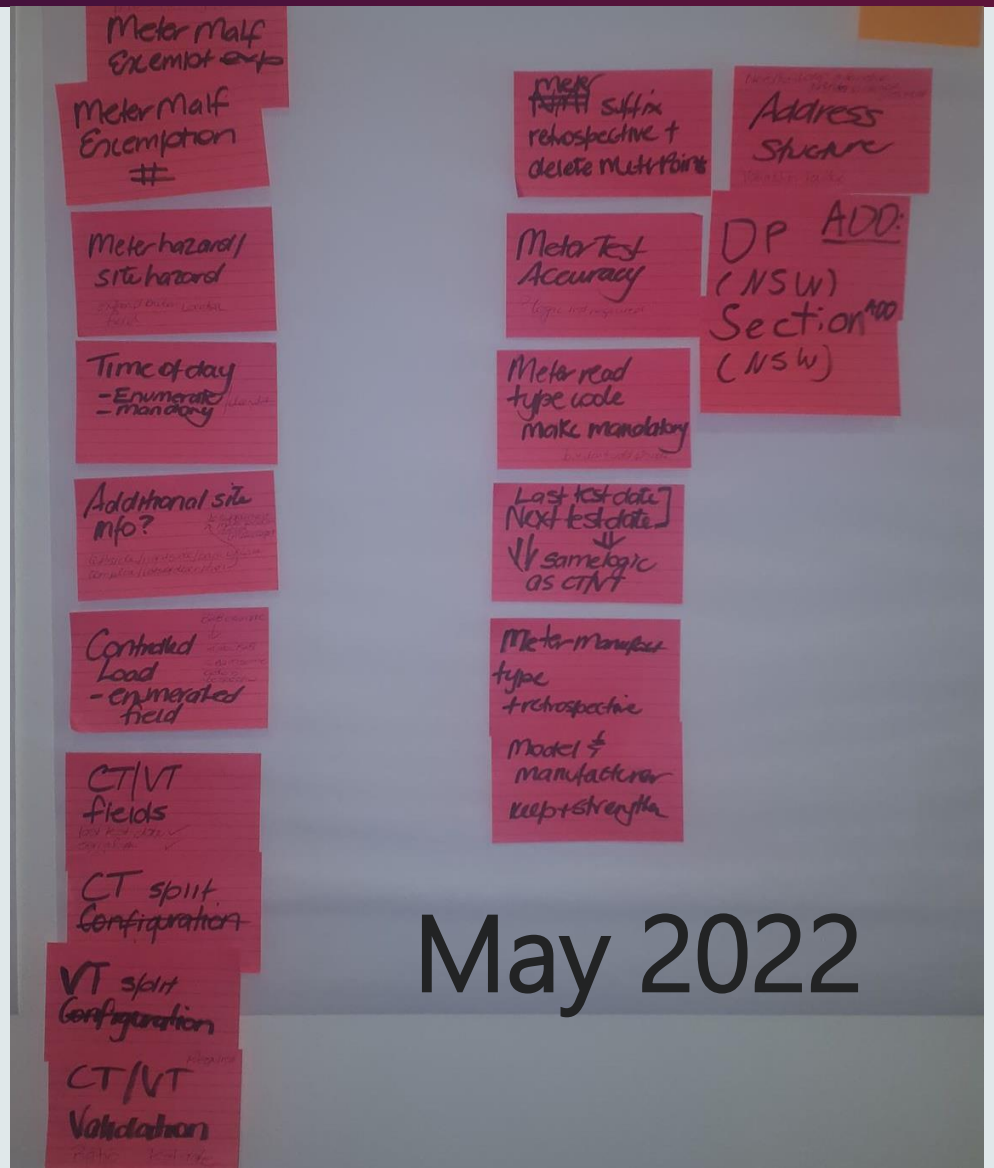
- SAPS
- 5MS
- B2B changes

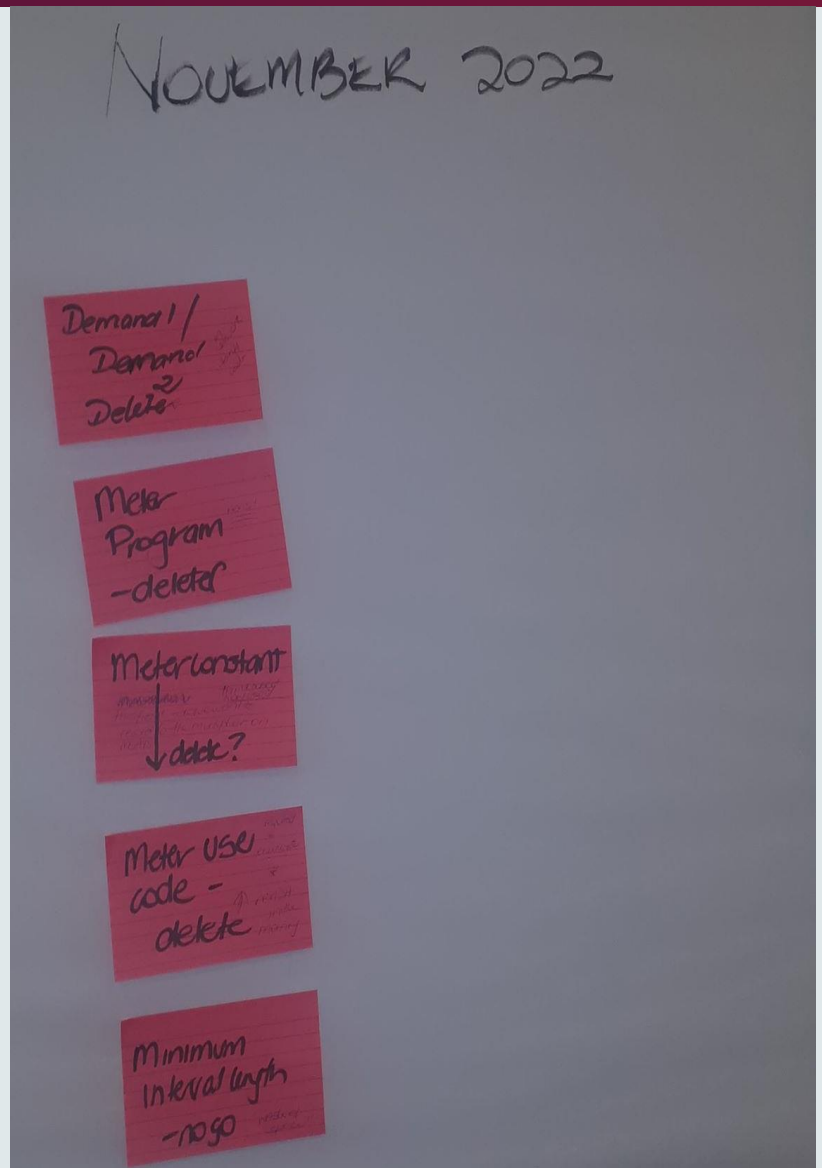


Issue Prioritisation – 2022

Other impacts:

- Metering Competition review
- Consumer Protections
- CDR possibly Feb 2022





Consultation options

Meghan Bibby

Consultation options

First Stage

Workshop participants expressed a preference for the following consultation strategy:

<u>Option 2</u>

Publish the Issues Paper and draft versions of the Standing Data for MSATS guideline (change marked). Standing Data for MSATS to be provided in versions depending on proposed implementation date.

Proposed consultation timeline

Stage	Indicative Date
Initial Notice	Monday, 24 February 2020
Submissions Close	Tuesday, 31 March 2020
Draft Determination	Thursday, 30 April 2020
Submissions Close	Friday, 15 May 2020*
Publish Final Determination	Friday, 26 June 2020

*There was some support for extending the submission close date by a week to allow additional time for comment. This will be discussed by AEMO and dates provided in the Issues Paper.