CHANGE PACK & REPORT – DRAFT DETERMINATION

MSATS PROCEDURES:

Consumer Administration and Transfer Solution (CATS) Procedure Principles and Obligations Version 4.0

Procedure for the Management of Wholesale, Interconnector, Generator and Sample (WIGS) NMIs Version 4.0

PREPARED FOR:	National Electricity Market
PREPARED BY:	Retail Markets and Metering
VERSION NO:	1.00
DATE:	23/01/2014

Table of Contents

1. Background

AEMO utilises a central system called Market Settlement and Transfer Solution (MSATS) to manage consumer transfers. MSATS also administers notifications of transactions to market participants and retains the data needed to facilitate wholesale settlement. The MSATS Procedures have been in operation since 1 January 2002 and have been revised a number of times in order to support ongoing business improvement.

The recommended process improvements under consultation will become MSATS Procedures:

- Customer Administration and Transfer Solution (CATS) Procedure Principles and Obligations Version 4.0,
- Procedure for the Management of Wholesale, Interconnector, Generator and Sample (WIGS) NMIs Version 4.0.

Scope of Changes

The proposed changes under consultation relate to:

- **003 Removal of reference to settlements process**

  This change proposes to remove “Note 1” and the references to it regarding the codes for the AEMO settlements process in clause 4 of the procedures. The NMI class mentioned in this note is not used for reconciling pool settlements and thus this statement is not correct. “Note 2” has also been identified as obsolete and is also proposed to be removed.

- **004 MSATS Changes for NSW NECF**

  With the commencement of the National Energy Customer Framework in NSW on 1 July 2013, the NSW Government has requested changes to ensure that participants are compliant with the obligations. The NSW Government has provided a transitional period to allow time for the procedure changes to occur.

  The changes will remove the NSW jurisdictional references in the Procedures and in for the relevant CR transactions to ensure that the Customer Threshold Code is mandatory for National Metering Identifiers (NMI) in NSW.

- **007 Update Change Request end dates**

  This change proposes to remove the provision of ‘end dates’ on some Change Requests (CRs). The reason for this change is that for any retrospective “Create” CR, it should not be possible for a participant to provide an Actual End Date, as the change request type indicates the creation of a record not the end dating of a record. high end date. If a participant wishes to retrospectively update information for a specific period in the past, they should use the appropriate “Change” CR.

- **008 Correction to Backdate a NMI Initiation Rules**

Changes are required to the WIGS Procedures for 'CR5001 Maintain NMI – Backdate a NMI' to the Initiation Rules and LNSP Obligations. These changes are procedural only, and were omitted from a previous consultation (CATS v2.5 and WIGS 1.2 in 2005/2006) when adding the ability for the LNSP to raise the CR5001.

- **005 Minor Changes**

  In addition, some minor changes were identified and have been included in this consultation.

This document lists the proposed changes to the CATS Procedure, WIGS Procedure and associated MSATS configuration rules (if any). The proposed changes under consultation have a proposed effective date of 15 May 2014.

2. Purpose of this document

This document proposes changes to the MSATS Procedures. The current procedures as of 15 May 2013 are documented in the ***MSATS Procedures: CATS Procedure Version 3.8*** and ***WIGS Procedure Version 3.8*** and are available on AEMO's website.

AEMO has recently completed a consultation in relation to MSATS changes required for Tasmanian FRC. The final determination for ***MSATS Procedures: CATS Procedure Version 3.9*** and ***WIGS Procedure Version 3.9*** was released on 20 December 2013. There were no amendments to the MSATS Procedures resulting from this consultation and no version 3.9 was issued. Thus the current versions remain as ***MSATS Procedures: CATS Procedure Version 3.8*** and ***WIGS Procedures Version 3.8.***

Participants are requested to review the item/s under consultation and provide any comments in accordance with the National Electricity Rules consultation process, reflected in the Notice of Consultation issued by AEMO.

3. The Consultation Process

The process and date plan for the changes proposed in this document is as follows:

Action	Start Date	End Date	Notes
Issue Notice of Consultation	15/11/2013	15/11/2013	**(Complete)**
Participant submissions are to be provided to AEMO	23/12/2013	23/12/2013	within 25 business days after the Notice of Consultation is issued **(Complete)**
AEMO considers all valid submissions and shall create the Draft Determination report (including the change marked MSATS Procedure version 3.8	24/12/2013	22/01/2014	within 20 business days of the submission close date **(Complete)**
AEMO Publish Draft Determination and Report	23/01/2014	23/01/2014	**(Complete)**
Participant submissions are to be provided to AEMO	24/01/2014	10/02/2014	within 10 business days after the Draft Determination is published
AEMO considers all valid submissions and shall create the Final Determination report (including the change marked and clean versions of the MSATS Procedure version 3.8	11/02/2014	03/03/2014	within 30 business days of the submission close date
AEMO Publish Final Determination	26/03/2014	26/03/2014	
Proposed Effective Date of the MSATS Procedures 3.8	15/05/2014	15/05/2014	

4. Proposed Changes

This section lists the changes proposed by participants or by AEMO since the last completed consultation *MSATS Procedures:*

- *Section 4.1 covers the proposed changes to the CATS Procedure Version 3.8*
- *Section 4.2 covers the proposed changes to the WIGS Procedure Version 3.8*

NOTE: All proposed additions for the initial consultation to the MSATS Procedures are highlighted in red colour text. All proposed deletions for the initial consultation from the MSATS Procedures are highlighted in red strike through text. Example: ~~Reference.~~ All proposed additions for the draft determination to the MSATS Procedures are highlighted in blue colour text. All proposed deletions for the draft determination from the MSATS Procedures are highlighted in blue strike through text. Example: ~~Reference.~~

Additional Submissions Received

Written submissions have been received from the following Market Participants providing an overall agreement to the changes proposed to CATS Procedures under this consultation and thus have not been included in the table below:

i. Energy Australia

4.1 Proposed Changes to the CATS Procedure

Item	ID	Description	Participant Reponses to Initial Consultation	Rating	Draft Determination
1		**PROPOSED / REQUESTED CHANGES**			
4.1.1	003	• *Remove reference in Notes section relating to reconciling for pool settlements:* **Clause 4.9 NMI Classification Codes** a) The NMI classification code enables the MSATS system to be informed of the nature of the flow of electricity at the connection point to which the NMI information applies, for example: generator, interconnector. b) The NMI classification codes 'LARGE' and 'SMALL' are used by these procedures. They are parameters that can be used when defining change reason codes, application time frames and objection rules. c) The NMI classification codes 'LARGE' and 'SMALL' are based on the total annual load of the NMI as per Table 4-E. d) The NMI classification codes 'LARGE' and 'SMALL' relate to a NMI and not to a site. e) NMI classification codes 'LARGE' and 'SMALL' allow the objection rules for small and large connection points to be different if required by a Jurisdiction. f) The valid NMI classification codes are specified in Table 4-E. **Table 4-E – NMI classification codes** Code / Description (4) EPROFILE / External Profile Shape GENERATR~~(1)~~ / Generator INTERCON~~(2)~~ / Interconnector	**AGL** AGL supports the change on the basis AEMO has advised this change is purely a procedural change and will not result in any changes to settlements system or reconciliation processes as a result of removing the reference to these codes in the MSATS Procedures ********** **Endeavour** Table 4-E Reference note against description shows (4) but should show (2) ********** **Energex** Remove Note (2). It is not required as it is not referenced in this table. ********** **Lumo** Clause 4.9 NMI Classification Codes Note (4) reference in table heading should be deleted and replaced with note (2) Also, given that the reference in new Note (2) is to jurisdictional information it might be better placed with note (1), since the customer designation is the jurisdictional matter, not all the descriptors in column 2	L L M L	The BMRG notes the comments and proposes the following changes: Code / Description (4) (2) EPROFILE / External Profile Shape GENERATR~~(1)~~ / Generator INTERCON~~(2)~~ / Interconnector LARGE ~~(3)~~ (1) / Victoria: >=160 MWh NSW: >=160 MWh ACT: >= 160 MWh QLD: >=100 MWh SA: >=160 MWh TAS: >=150MWh SAMPLE / Sample Meter SMALL~~(3)~~(1) / Victoria: <160 MWh NSW: <160 MWh ACT: < 160 MWh QLD: < 100 MWh SA: <160 MWh TAS: <150 MWh WHOLESAL~~(1)~~ / Wholesale Transmission Node Identifier

<table>
<tr><th>Item</th><th>ID</th><th>Description</th><th>Participant Reponses to Initial Consultation</th><th>Rating</th><th>Draft Determination</th></tr>
<tr>
<td></td>
<td></td>
<td>
<table>
<tr><td>LARGE ~~(3)~~ (1)</td><td>Victoria: >=160 MWh
NSW: >=160 MWh
ACT: >= 160 MWh
QLD: >=100 MWh
SA: >=160 MWh
TAS: >=150MWh</td></tr>
<tr><td>SAMPLE</td><td>Sample Meter</td></tr>
<tr><td>SMALL~~(3)~~(1)</td><td>Victoria: <160 MWh
NSW: <160 MWh
ACT: < 160 MWh
QLD: < 100 MWh
SA: <160 MWh
TAS: <150 MWh</td></tr>
<tr><td>WHOLESAL~~(1)~~</td><td>Wholesale Transmission Node Identifier</td></tr>
</table>
~~Note (1): These codes will be used in the AEMO settlements process for the purpose of reconciling pool settlements.~~
~~Note (2): This code will allow the removal of a hard coded rule in the AEMO settlements system.~~
Note ~~(3)~~(1): These codes are used in the CATS Procedures.
Note ~~(4)~~(2): See relevant jurisdictional regulation for full details.
</td>
<td>**********

United Energy
Below Table 4-E there is a note 2 which is not referenced in the table itself.
Suggest removing note 2 or referencing it in the table.</td>
<td></td>
<td>~~Note (1): These codes will be used in the AEMO settlements process for the purpose of reconciling pool settlements.~~
~~Note (2): This code will allow the removal of a hard coded rule in the AEMO settlements system.~~
Note ~~(3)~~(1): These codes are used in the CATS Procedures.
Note ~~(4)~~(2): See relevant jurisdictional regulation for full details.

In Table 4-E, Note 2 is referenced in the top heading labelled “Description” and AEMO has updated the number reference to reflect the changes to the Notes section.

Description (4) (2)</td>
</tr>
<tr>
<td>4.1.2</td>
<td>004</td>
<td>
• Remove NSW jurisdictional references as per NSW Government request:

Clause 2.4 Local Network Service Provider

The current LNSP must:
(e) Adopt the role of RP, MP and MDP as required by the National Electricity Rules and any derogation to the National Electricity Rules.
(f) Allocate a NMI and NMI checksum for each connection point in accordance with the NMI Procedures and clause 7.3.1(e) of the National Electricity Rules.
(g) Provide the average daily load to the current MDP at the time of the creation of a NMI.
(h) Provide an update of the average daily load to the current MDP where the LNSP becomes aware of an expected change in the ADL of greater than 20%, other than by advice from the MDP.
(i) ~~Except for NMIs in NSW1~~ ~~Uu~~pdate the Customer Threshold Code within five business days of becoming aware that the existing Customer Threshold Code is incorrect for NMIs with a Customer Classification Code of ‘BUSINESS’ and a NMI status of ‘A’ or ‘D’.
(j) Update or remove, as required, the Customer Threshold Code for a
</td>
<td></td>
<td></td>
<td>No changes received, as per initial consultation.</td>
</tr>
</table>

Item	ID	Description	Participant Reponses to Initial Consultation	Rating	Draft Determination
		NMI within five business days of the Customer Classification Code being changed to 'RESIDENTIAL'. (k) Provide DLF codes and values to AEMO for the initial population of the DLF code in the MSATS system. (l) Update MSATS NMI status to "D" (De-energise) within five business days of the Connection Point being de-energised. The proposed change date shall be the day after the de-energisation for an interval metered connection point or the day of the de-energisation for a Basic metered connection point. . (m) Provide to AEMO by a date defined in the Rules a matching list of DLF codes and associated DLF values. (n) Update the MSATS NMI Status to 'A' (Active) within five business day of the connection point being re-energised. The proposed change date shall be the day the connection point is re-energised. (o) Update the MSATS NMI Status to X (Extinct) within five business days of becoming aware of the abolition of the Connection Point. The proposed change date shall be the day after the connection point was removed for an interval metered connection point or the day of the removal for a basic metered connection point. (p) Ensure that network tariff details for each NMI in its area are stored in the Network Tariff Code field at the Register ID level. (q) Subject to any applicable jurisdictional restrictions, use reasonable endeavours to provide NMI and NMI Checksum (other than when this detail is available in MSATS NMI Discovery) to the new FRMP within one business day of a NMI Discovery follow up request for this information from the new FRMP for premises identified in the request by reference to any of the following: o a unique meter identifier held by the Local Network Service Provider: or o a street address; or o the code (DPID) used by Australia Post to provide a unique identifier for postal addresses. i. If a computer search by the LNSP does not produce a unique match for the information provided by the retailer, the LNSP must provide the retailer with any computer matches achieved up to a maximum of 99. (r) Subject to any applicable jurisdictional restrictions, provide *NMI Standing Data* (other than data available via MSATS NMI Discovery or the MSATS C7 report) to the new FRMP within two business days of a request from the new FRMP for premises identified in the request by reference to the NMI and Checksum for the premises. (s) Consider and action as necessary within two business days any requests from incorrectly assigned Participants to correct a Create NMI Change Request in MSATS. (t) Consider and action as necessary within two business days any requests from other CATS Participants to correct erroneous NMI standing data. (u) Provide, on request from a new FRMP who undertakes the role of			

<table>
<tr><th>Item</th><th>ID</th><th>Description</th><th>Participant Reponses to Initial Consultation</th><th>Rating</th><th>Draft Determination</th></tr>
<tr><td></td><td></td><td>Embedded Network Local Retailer, a set/range of NMIs and their checksum to that new FRMP for allocation by that FRMP to the child connection points of an embedded network within 2 business days of receiving the request.

(v) Provide, on request from a current FRMP who undertakes the role of Embedded Network Local Retailer, one or more NMIs and their checksum to that current FRMP for allocation by that FRMP to the newly formed child connection points of an embedded network within 2 business days of receiving the request.

Removal of Footnote
~~1 The Customer Threshold Code is not mandatory for NMIs in NSW. See also section 4.10.2.~~</td><td></td><td></td><td></td></tr>
<tr><td>4.1.3</td><td>004</td><td>• Remove NSW jurisdictional references as per NSW government request:

Clause 4.10.2 Customer Threshold Code
(a) The Customer Threshold Code enables MSATS to be informed of the consumption for the consumer at a single connection point to which the NMI information applies.

(b) The Customer Threshold Code is based on the LNSPs determination of the annualised consumption for the consumer at a single connection point to which the NMI information applies.

(c) The Customer Threshold Code relates to a consumer’s consumption at a NMI and is separate to and additional to the NMI Classification Code.

(d) The Customer Threshold Code is mandatory for all NMIs with a NMI status of ‘A’ or ‘D’ and a Customer Classification Code of ‘BUSINESS’.

~~(e) The Customer Threshold Code is not mandatory for NMIs in NSW.~~

~~(f)~~(e) The valid Customer Threshold Codes are specified in Table 4-G.

Table 4-G – Customer Threshold Codes
<table><tr><th>Code</th><th>Description</th></tr><tr><td>LOW</td><td>Consumption is less than the lower consumption threshold as defined in the National Energy Retail Regulations, or in over-riding jurisdictional instruments.</td></tr><tr><td>MEDIUM</td><td>Consumption is equal to or greater than the lower consumption threshold, but less than the upper consumption threshold, as defined in the National Energy Retail Regulations, or in over-riding jurisdictional instruments.</td></tr><tr><td>HIGH</td><td>Consumption is equal to or greater than the upper consumption threshold as defined in the National Energy Retail Regulations, or in over-riding jurisdictional instruments.</td></tr></table></td><td>Ausgrid
Clause 4.10.2 Customer Threshold Code – NSW Does not have a medium threshold. It is either Low or High.

4.10.2 (b) The Customer Threshold Code is based on the LNSPs determination of the annualised consumption for the consumer at a single connection point to which the NMI information applies. Proposed change:

MEDIUM (1)

(1) Value of “medium” not applicable in NSW jurisdiction.

The market process for determining the CTC (Calculating and applying) has not been finalised and that needs to be finalised prior to any changes to when the CTC is applied.</td><td>H</td><td>The customer thresholds valid for all jurisdictions are listed in Table 4-G, Ausgrid’s comments regarding NSW are noted but no further changes are required.

The market process for determining CTC has been the subject of discussions at the BMRG and requires an agreed solution from industry.</td></tr>
<tr><td>4.1.4</td><td>005</td><td>• Update definition of Datastream type to add consistency</td><td>AGL
AGL recommends the following Change of words</td><td>L</td><td>The BMRG notes the feedback from participants and proposes to make further changes to the table which can be found in the</td></tr>
</table>

<table>
<tr><th>Item</th><th>ID</th><th>Description</th><th>Participant Reponses to Initial Consultation</th><th>Rating</th><th>Draft Determination</th></tr>
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Clause 44.4 NMI Discovery – NMI Standing Data Access Rules (stage 2)

(a) This clause 44.4 specifies the NMI standing data that is available to retailers and network service providers who do not have an explicit informed consent from a consumer.

(b) A Local Network Service Provider must:
1. Only carry out a stage 2 NMI Discovery on any NMI or NMI’s where they are assigned a role as the current LNSP.

2. Only perform stage 2 NMI search activity within its local area for the purpose of responding to a request from a retailer to assist in the resolution of a NMI data problem, or to perform quality checks of its data within the MSATS system.
(c) The NMI data access rules define:
1. Which role can initiate a request for NMI standing data.
2. Which standing data items will be returned when a request is submitted to the MSATS system.

(d) The NMI data access rules may be defined by Jurisdiction.

(e) The valid NMI standing data items that would be returned to a FRMP or LNSP in all Jurisdictions on a successful data access request are specified in Table 44-C.

Table 44-C – Common NMI standing data items returned to a FRMP or LNSP in all Jurisdictions for a stage 2 search / request
<table>
<tr><th>MSATS Name</th><th>Description of data items returned on a successful data access request</th></tr>
<tr><td>NMI</td><td>a 10 digit national metering identifier.</td></tr>
<tr><td>TNI Code</td><td>a 4 character code representing the transmission node identifier.</td></tr>
<tr><td>DLF Code</td><td>a 4 character code representing the distribution loss factor.</td></tr>
<tr><td>NMI Classification Code</td><td>refer to clause 4.9.</td></tr>
<tr><td>Embedded Network Parent</td><td>a 10 character code representing the name of the parent for any associated embedded network.</td></tr>
<tr><td>Embedded Network Child</td><td>a 10 character code representing the name of the child for any associated embedded network.</td></tr>
<tr><td>Meter Serial Number</td><td>the meter serial number of the meter associated with the next scheduled read date and network tariff code details provided (see items below).</td></tr>
<tr><td>Next Scheduled Read Date</td><td>the next scheduled read date in date format.</td></tr>
<tr><td>Register ID</td><td>the register id of the register that the network tariff code and network tariff code additional information refers to.</td></tr>
<tr><td>Network Tariff Code</td><td>a 10 character code representing the network tariff.</td></tr>
<tr><td>Network Tariff Code Additional Information</td><td>Additional text to supplement the network tariff code if this is a complex network tariff code.</td></tr>
<tr><td>Feeder Class</td><td>A15 character long field in varchar format for logical grouping of NMIs based on the DNSPs distribution feeder.</td></tr>
<tr><td>Customer Classification Code</td><td>A code that defines the consumer class as defined in the National Energy Retail Regulations, or in over-riding jurisdictional instruments.</td></tr>
<tr><td>Customer Threshold Code</td><td>A code that defines the consumption threshold as defined in the National Energy Retail Regulations, or in</td></tr>
</table>
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<td>
which is a component of the description provided in the Standing Data for MSATS Document

'Indicates the type of data that the data stream will report includes interval and basic. Refer to ‘Standing data for MSATS’ document for Further details.'

****
Endeavour
Table 44-C Would like to understand why the description for datastream type refers the reader to standing data for MSATS document where other standing data elements are described in this table.

****
Energex
Table 44-C – Datastream Type – why not include similar wording to Register Status ie
Why include “Refer to ‘Standing data for MSATS’ document for further details” against the Datastream Type when this reference could be included on other items in this table eg Meter Status, Register Status, Stream Status etc
Perhaps an overarching comment should be made within the clause
Proposed text: A single character code to denote the datastream type.

****
Lumo

Definition of Datastream type
Proposed definition is inconsistent with other data descriptions. Also, various elements in the table are inconsistently described.
Further, the proposed change refers a procedure which requires consultation to a reference document which doesn’t require consultation.
Lumo wishes to understand the following:
1. Why a procedure is being cross referenced is to a document not requiring consultation
2. Why this single item is being changed and not the other items in the table
Lumo also suggests other definitions be reviewed to provide a consistent framework for the definitions – eg NMI classification code, Register Id etc.
The table could be extended to four columns – MSATS Name, description of data format, description of data returned and reference.
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attached embedded document.

Draft Determination Changes to Clause 4
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</table>

<table>
<tr><th>Item</th><th>ID</th><th>Description</th><th>Participant Reponses to Initial Consultation</th><th>Rating</th><th>Draft Determination</th></tr>
<tr>
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<table>
<tr><td></td><td>over-riding jurisdictional instruments.</td></tr>
<tr><td>LNSP</td><td>an 8 character code representing the identity of the Local Network Service Provider.</td></tr>
<tr><td>MDP</td><td>an 8 character code representing the identity of the Metering Data Provider (Category D).</td></tr>
<tr><td>MPB</td><td>an 8 character code representing the identity of the Metering Provider (Category B).</td></tr>
<tr><td>MPC</td><td>an 8 character code representing the identity of the Metering Data Provider (Category C).</td></tr>
<tr><td>Address</td><td>This includes all address fields, which comprise DPID, flat number, flat type, floor number, floor type, house number, house number suffix, location description, lot number, street name, street suffix, street type, unstructured address1, unstructured address2, unstructured address3, postcode, locality, and state.</td></tr>
<tr><td>Jurisdiction</td><td>A 3 character code that identifies the jurisdiction in which the NMI is located.</td></tr>
<tr><td>NMI Status Code</td><td>refer to clause 4.11.</td></tr>
<tr><td>Suffix</td><td>a 2 character code representing the NMI datastream.</td></tr>
<tr><td>Profile Name</td><td>a 10 character code representing the name of the profile</td></tr>
<tr><td>Metering Installation Code</td><td>refer to clause 4.12.</td></tr>
<tr><td>Average Daily Load</td><td>NUMBER (10). The electrical energy delivered through a connection point or metering point over an extended period normalised to a “per day” basis (kWh).</td></tr>
<tr><td>Meter Status</td><td>A single character code to denote the status of the meter within the NEM.</td></tr>
<tr><td>Register Status</td><td>A single character lookup code to indicate if register is active.</td></tr>
<tr><td>Stream Status Code</td><td>Code used to indicate the status of the suffix. This value must correspond to a valid Stream Status Code in the MSATS_Codes_Values_table.</td></tr>
<tr><td>Datastream Type</td><td>~~Indicates the type of data that the datastream will report includes interval and basic. This value must be ‘I’ (interval), ‘C’ (basic) or ‘P’ (profile).~~
Refer to ‘Standing data for MSATS’ document for further details.</td></tr>
<tr><td>Unit of Measure</td><td>VARCHAR2(5) Code to identify the Unit of Measure (UOM) for data held in this register.</td></tr>
<tr><td>Time Of Day</td><td>VARCHAR2(10) Industry developed Codes to identify the time validity of register contents.</td></tr>
<tr><td>Multiplier</td><td>NUMBER (13,5) Multiplier required to take a register value and turn it into a value representing billable energy.</td></tr>
<tr><td>Dial Format</td><td>NUMBER (4,2) Describes the register display format. First number is the number of digits to the left of the decimal place, and the second number is the number of digits to the right of the decimal place.</td></tr>
<tr><td>Controlled Load</td><td>Indicates whether the energy recorded by this register is created under a controlled load regime.
Controlled Load field will have “No” if register does not relate to a controlled load, it should contain a description of the controlled load regime.</td></tr>
<tr><td>ActCumind</td><td>Actual/Subtractive Indicator.</td></tr>
</table>
</td>
<td>
Proposed minimal change to bring some consistency:
A single character code to denote the type of data being provided –e.g. ‘I’ for interval, ‘P’ for profile.

Or a more complete change to the table as a whole to bring consistency to all items – e.g.:

<table>
<tr><td>MSATS Name</td><td>Data format</td><td>Description</td><td>Reference</td></tr>
<tr><td>Unit of measurement</td><td>Varchar(25)</td><td>Code to identify the Unit of Measure (UOM) for data held in this register.</td><td></td></tr>
<tr><td>Datastream Type</td><td>Single character Code</td><td>denote the type of data being provided – e.g. ‘I’ for interval, ‘P’ for profile.</td><td>Standing Data for MSATS</td></tr>
</table>
****
Origin
Suggest removing the word ‘further’. It should read:
Refer to the ‘Standing data for MSATS’ document for ~~further~~ details.

****
United Energy
Table 44-C, amendment to datastream type. The current definition in the CATS procedures is suitable and consistent with the level of detail or descriptions provided for the other rows in the table. The new proposed definition refers the reader to another document which is not helpful.
Alternatively could use both the current drafting and add “for further information refer to ‘Standing data for MSATS’”.
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</tr>
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Item	ID	Description	Participant Reponses to Initial Consultation	Rating	Draft Determination
		(Actual/Cumulative Indicator): Actual implies volume of energy actually metered between two dates. Cumulative indicates two meter readings are required to determine the consumption between those two read dates. For an interval meter, ActCumInd is normally = A. MeterRead Type: Code indicating how the meter is read. Refer to 'Standing data for MSATS' document for further details.			
4.1.5	007	• *Update retrospective CRs 3001 & 3003 to remove ability to provide 'Actual end date':* **Clause 16 Maintain Metering – Create Metering Installation Details – Small OR LARGE** **16.1 Application [3000 3001 3003]** This procedure applies to the following change reason codes: • **3000 – Create Metering Installation Details** This is the situation where the current MPB establishes the initial set of information in the MSATS system in regard to the metering installation details, and there is no associated meter removal for the NMI for the same effective date. The date at which the information will apply would be a prospective date. • **3001 – Create Metering Installation Details – Retrospective** This is the situation where the current MPB establishes the initial set of information in the MSATS system in regard to the metering installation details, and there is no associated meter removal for the NMI for the same effective date. The date at which the information will apply would be a retrospective date. • **3003 – Create Meter Details - Retrospective (Tier 1 only)** This is the situation where the current MPB establishes the initial set of information in the MSATS system in regard to the metering installation details, and there is no associated meter removal for the NMI for the same effective date for a connection point that is a tier 1 connection point. The date at which the information will apply would be a retrospective date. This change request is related to change request 3001 but has different notification rules. **16.2 Conditions Precedent** (a) The NMI exists in the MSATS system. (b) The metering installation details do not exist in MSATS. (c) The NMI classification code is SMALL or LARGE. (d) There are no objections allowed for this change reason code and NMI classification. (e) Chapter 0 relates only to change reason codes 3000, 3001 and 3003. (f) In order to use change reason code 3003, the NMI must have been a tier 1 NMI for all its life. **16.3 Initiation Rules** (a) A current MPB may initiate a change request to create metering installation records in the MSATS system in accordance with clause 0.	**AGL** AGL supports the change on the basis AEMO has advised this change is purely a procedural change and it will not result in any changes to systems or processes, the purpose of this change is to align the MSATS procedures with existing MSATS validation and functionality ********** **Ausgrid** Clause 16 Maintain Metering – Create Metering Installation Details – Small OR LARGE - These changes mean that MPB's are unable to update valid market data into MSATS. This also applies to previous MDP updates of the CR4001 etc. The removal of End Dates on Update CR's means that Participants cannot appropriately update data in Churn Scenarios. Example. TCAMP has a BASIC meter ABC123456 and it exists in MSATS. INTEGM removes their meter and adds a COMMS4 meter with DEF654321. The transfer of MPB occurs before TCAMP have added Meter DEF654321. TCAMP now has no way of updating this information into MSATS. - A CR3001 will fail if it is End Dated under the new market rules - A CR3001 will fail if it is open ended as TCAMP is not an open ended contract - A CR3051 cannot be used because the Meter has never existed for the early time period.	L H	In response to Energex's comments, as noted in the Scope for 007, this is a minor change for CRs 3001 and 3003 (MSATS did not allow participants to provide an actual end date other than a high end date) and the other CRs configurations will be updated for CRs 3005/4001/4003/4005. In the example provided by Ausgrid, AEMO is able to update MSATS upon request from TCAMP. In regards to Endeavour's comments if corrections are needed, this change may require Endeavour to submit multiple change requests. The changes to CR 3000/3001/3003 are being made to ensure that the procedures are consistent and align with the current process in MSATS. The BMRG noted the issues raised by Ausgrid and Endeavour, and recommends that the MSWG consider incorporating further information on the CR exceptions process in the Meter Churn Procedure document. There are no further changes required to this clause for the Draft Determination.

<table>
<tr><th>Item</th><th>ID</th><th>Description</th><th>Participant Reponses to Initial Consultation</th><th>Rating</th><th>Draft Determination</th></tr>
<tr>
<td></td>
<td></td>
<td>
(b) The current MPB must use one of the following change reason codes 3000, 3001 or 3003 to establish an initial change request.

16.4 MPB Obligations

The current MPB must:

(a) Obtain the NMI checksum from an approved source.

(b) Confirm that the NMI is a valid NMI for the connection point prior to the initiation of a change request.

(c) Populate an initial change request with the following information:

<table>
<tr><td>Change reason code</td><td>Participant transaction ID</td><td>NMI and NMI checksum</td></tr>
<tr><td>CATS participant ID</td><td>Proposed change date</td><td>Meter serial ID (at least one)</td></tr>
<tr><td>Metering installation type (for each meter)</td><td>Meter status (for each meter)</td><td>Register ID (at least one for each meter)</td></tr>
<tr><td>Register ID status (for each register ID)</td><td>Actual / cumulative indicator (for each register ID)</td><td>Controlled load indicator (for each register ID)</td></tr>
<tr><td>Dial format (for each register ID)</td><td>Multiplier value (for each register ID)</td><td>Time of day code (for each register ID)</td></tr>
<tr><td>Unit of measure code (for each register ID)</td><td></td><td></td></tr>
</table>
The current MPB may:

d) Populate the initial change request with the following information for each meter:

<table>
<tr><td>Additional site information</td><td>Network tariff code (for each register ID)</td><td>Next scheduled read date</td></tr>
<tr><td>Meter location</td><td>Meter hazard</td><td>Meter route</td></tr>
<tr><td>Meter use</td><td>Meter point</td><td>Meter manufacturer</td></tr>
<tr><td>Meter model</td><td>Transformer location</td><td>Transformer type</td></tr>
<tr><td>Transformer ratio</td><td>Meter constant</td><td>Last test date</td></tr>
<tr><td>Next test date</td><td>Test result accuracy</td><td>Test result notes</td></tr>
<tr><td>Test performed by</td><td>Measurement type</td><td>Meter program</td></tr>
<tr><td>Meter read type</td><td>Remote phone number</td><td>Communication equipment type</td></tr>
<tr><td>Communication protocol</td><td>Data conversion arrangements</td><td>Data validation arrangements</td></tr>
<tr><td>Estimation instructions</td><td>Asset management plan details</td><td>Calibration tables (details of any calibration factors programmed into the meter)</td></tr>
<tr><td>Password details (the read and time set</td><td>Test and calibration</td><td>User access rights details (i.e. details of</td></tr>
</table>
</td>
<td>
The market needs to address these points.

Also refer to “Ausgrid_Appendix_A_Item 4.1.7_007.docx”

Appendix A – Item 4.1.7 (007)

The removal of End Dates on Update CR's means that Participants cannot appropriately update data in Churn Scenarios.

Example. TCAUSTM has a BASIC meter with suffix 11. INTEGM removes their meter and adds a COMMS4 meter with Suffix N1. The transfer of MDP occurs before TCAUSTM have added N1 into MSATS. TCAUSTM is required by the Market Churn rules to install N1 into MSATS for the Churn period.

TCAUSTM now has no way of updating this information into MSATS.

- A CR4001 will fail if it is End Dated under the new market rules
- A CR4001 will fail if it is open ended as TCAUSTM is not an open ended contract
- A CR4051 cannot be used because the N1 has never existed.

The market needs to address these points.

****

Endeavour
The MPB should always have the option to populate an actual end date with the 3001, 3002 & 3003 change requests to make corrections to minimise the need to submit additional change requests.

****

Energex
Need confirmation that this is currently not possibly anyway so therefore this is a minor manifest change more than anything else?
</td>
<td>H</td>
<td></td>
</tr>
</table>

Item	ID	Description	Participant Reponses to Initial Consultation	Rating	Draft Determination
		passwords only, separated by a space; the write password is not to be recorded in MSATS) | **program details** | **any end-use customer access to the metering installation such as pulse outputs)** e) Populate the initial change request with the following information for each register: **Network tariff code additional information** | **MDM contributory suffix (this can also be supplied by the MDP)** | **Demand value 1, if the network tariff charge includes a demand component** **Demand value 2, if the network tariff charge includes a second demand component** ~~f) For change reason codes that are retrospective, populate the initial change request with the following information:~~ ~~**Actual end date**~~			
4.1.6	007	• *Update retrospective CR 3005 to remove ability to provide 'Actual end date':* **Clause 17 Maintain Metering – EXCHANGE OF METERING information – SMALL or Large** **17.1 Application [3004 3005]** This procedure applies to the following change reason codes: • **3004 – Exchange of Metering information** This is the situation where the current MPB is required to provide a change to the information in the MSATS system in regard to the metering installation details. The change will include the removal of at least one existing meter and the installation of at least one new meter. A minimum set of metering installation details for the NMI shall exist upon completion of the Change Request. The date at which the information will apply would be a prospective date. • **3005 – Exchange of Metering information – Retrospective** This is the situation where the current MPB is required to provide a change to the information in the MSATS system in regard to the metering installation details. The change will include the removal of at least one existing meter and the installation of at least one new meter. A minimum set of metering installation details for the NMI shall exist upon completion of the Change Request. The date at which the information will apply would be a retrospective date. **17.2 Conditions Precedent** a) The NMI exists in the MSATS system. b) The metering installation details exist in MSATS. c) At least one meter is removed and one meter is created in each change request. d) The NMI classification code is SMALL or LARGE.	**AGL** AGL supports the change on the basis AEMO has advised this change is purely a procedural change and it will not result in any changes to systems or processes, the purpose of this change is to align the MSATS procedures with existing MSATS validation and functionality. ********** **Ausgrid** Clause 17 Maintain Metering – EXCHANGE OF METERING information – SMALL or Large – As per 4.1.5 007 Also refer to "Ausgrid_Appendix_A_Item 4.1.7_007.docx" Appendix A – Item 4.1.7 (007) The removal of End Dates on Update CR's means that Participants cannot appropriately update data in Churn Scenarios. Example. TCAUSTM has a BASIC meter with suffix 11. INTEGM removes their meter and adds a COMMS4 meter with Suffix N1. The transfer of MDP occurs before TCAUSTM have added N1 into MSATS. TCAUSTM is required by the Market Churn rules to install N1 into MSATS for the Churn period.	L H	The BMRG notes the comments from AGL and Ausgrid. In the example provided by Ausgrid, AEMO is able to populate the information for N1 if required. The change to CR 3004/3005 ensures that there is consistency and alignment between the procedures and MSATS.

<table>
<tr><th>Item</th><th>ID</th><th>Description</th><th>Participant Reponses to Initial Consultation</th><th>Rating</th><th>Draft Determination</th></tr>
<tr>
<td></td>
<td></td>
<td>
e) There are no objections allowed for this change reason code and NMI classification.
f) The meter serial ID for the installed meter shall be different to the existing meter serial ID for the same NMI.
g) Chapter 17 relates only to change reason codes 3004 and 3005.
17.3 Initiation Rules
a) A current MPB may initiate a change request to change and create metering installation records in the MSATS system in accordance with clause 0
b) The current MPB must use one of the following change reason codes 3004 or 3005 to establish an initial change request.
c) A minimum set of metering installation details for the NMI shall exist upon completion of the change request.
17.4 MPB obligations
The current MPB must:
a) Obtain the NMI checksum from an approved source.
b) Confirm that the NMI is a valid NMI for the connection point prior to the initiation of a change request.
c) Populate the change request with the following information:
<table>
<tr><td>Change reason code</td><td>Participant transaction ID</td><td>CATS participant ID</td></tr>
<tr><td>Proposed change date</td><td>NMI</td><td>NMI checksum</td></tr>
<tr><td>Meter serial ID (for each meter)</td><td></td><td></td></tr>
</table>
d) For all meters associated to the NMI, where the Meter Status Code is to be “C” populate the change request with the following information (where this information does not currently exist in MSATS):
<table>
<tr><td>Meter status (for each meter)</td><td>Metering installation type (for each meter)</td><td></td></tr>
</table>
e) For all meters associated to the NMI, where the Register ID Status is to be “C” populate the change request with the following information (where this information does not currently exist in MSATS):
<table>
<tr><td>Register ID</td><td>Unit of measure code (for each register ID)</td><td>Multiplier value (for each register ID)</td></tr>
<tr><td>Time of day code (for each register ID)</td><td>Dial format (for each register ID)</td><td>Register ID status (for each register ID)</td></tr>
<tr><td>Controlled load indicator (for each register ID)</td><td>Actual / cumulative indicator (for each register ID)</td><td></td></tr>
</table>
The current MPB may:
f) Populate the change request with the following information for each meter:
<table>
<tr><td>Additional site</td><td>Next scheduled read</td><td>Meter location</td></tr>
</table>
</td>
<td>TCAUSTM now has no way of updating this information into MSATS.

- A CR4001 will fail if it is End Dated under the new market rules
- A CR4001 will fail if it is open ended as TCAUSTM is not an open ended contract
- A CR4051 cannot be used because the N1 has never existed.

The market needs to address these points.</td>
<td></td>
<td></td>
</tr>
</table>

Item	ID	Description	Participant Reponses to Initial Consultation	Rating	Draft Determination

information	date	
Meter hazard	Meter route	Meter use
Meter point	Meter manufacturer	Meter model
Transformer location	Transformer type	Transformer ratio
Meter constant	Last test date	Next test date
Test result accuracy	Test result notes	Test performed by
Measurement type	Meter program	Meter read type
Remote phone number	Communication equipment type	Communication protocol
Data conversion arrangements	Data validation arrangements	Estimation instructions
Asset management plan details	Calibration tables (details of any calibration factors programmed into the meter)	Password details (the read and time set passwords only, separated by a space; the write password is not to be recorded in MSATS)
Test and calibration program details	User access rights details (i.e. details of any end-use customer access to the metering installation such as pulse outputs)	MDM contributory suffix (this can also be supplied by the MDP)
Network tariff code additional information	Demand value 1, if the network tariff charge includes a demand component	Demand value 2, if the network tariff charge includes a second demand component
Network Tariff Code (for each register ID)		

~~g) For change reason codes that are retrospective, populate the initial change request with:~~

~~Actual end date~~		

~~(h)~~(g) Where changes to Network Tariff information are required:

1. Check that the network tariff code in the MSATS system is correct and, if it is not, update it to have the correct value.
2. Change the network tariff code in the MSATS system to ensure that the current information provided in the MSATS system is the latest information available from the current LNSP.

4.1.7	007	• *Update retrospective CRs 4001 & 4003 to remove ability to provide 'Actual end date':* **Clause 22 Maintain Datastream – Create MDM Datastream –Small or large**	**AGL** AGL supports the change on the basis AEMO has advised this change is purely a procedural change and	L	The BMRG notes the comments from AGL, Ausgrid and Endeavour. As noted above, in the example provided by Ausgrid, AEMO is able to populate the information for N1 if required and to make corrections if requested by the MPB. The

<table>
<tr><th>Item</th><th>ID</th><th>Description</th><th>Participant Reponses to Initial Consultation</th><th>Rating</th><th>Draft Determination</th></tr>
<tr>
<td></td>
<td></td>
<td>
22.1 Application [4000 4001 4003]
This procedure applies to the following change reason codes:
• 4000 – Create MDM Datastream Details
This is the situation where the current MDP establishes the initial set of information in the MSATS system in regard to the MDM datastream details, and there is no associated datastream status change to inactive for the NMI for the same effective date. The date at which the information will apply would be a prospective date.
• 4001 – Create MDM Datastream Details - Retrospective
This is the situation where the current MDP establishes the initial set of information in the MSATS system in regard to the MDM datastream details, and there is no associated datastream status change to inactive for the NMI for the same effective date. The date at which the information will apply would be a retrospective date.
• 4003 – Create MDM Datastream - Retrospective (Tier 1 only)
This is the situation where the current MDP establishes the initial set of information in the MSATS system in regard to the MDM datastream details for a connection point that is a tier 1 connection point. The date at which the information will apply would be a retrospective date.
This change request is related to change request 4001 but has different notification rules.
22.2 Conditions Precedent
a) The NMI exists in the MSATS system.
b) The MDM Datastream details do not exist in MSATS
c) The NMI classification code is SMALL or LARGE.
d) There are no objections allowed for this change reason code and NMI classification.
e) Chapter 22 relates only to change reason codes 4000, 4001 and 4003.
f) In order to use change reason code 4003, the NMI must have been a tier 1 NMI for all its life.
22.3 Initiation Rules
a) A current MDP may initiate a change request to create an MDM datastream in the MSATS system in accordance with clause 22.4.
b) The current MDP must use one of the following change reason codes 4000, 4001 or 4003 to establish an initial change request.
22.4 MDP Obligations
The current MDP must:
a) Obtain the NMI checksum from an approved source.
b) Confirm that the NMI is a valid NMI for the connection point prior to the initiation of a change request.
c) Populate an initial change request with the following information:
<table>
<tr><th>Change reason code</th><th>Participant transaction ID</th><th>NMI and NMI checksum</th></tr>
</table>
</td>
<td>
it will not result in any changes to systems or processes, the purpose of this change is to align the MSATS procedures with existing MSATS validation and functionality.

****
Ausgrid
Clause 22 Maintain Datastream – Create MDM Datastream –Small or large - As per 4.1.5 007
Also refer to “Ausgrid_Appendix_A_Item 4.1.7_007.docx”

Appendix A – Item 4.1.7 (007)

The removal of End Dates on Update CR's means that Participants cannot appropriately update data in Churn Scenarios.

Example. TCAUSTM has a BASIC meter with suffix 11. INTEGM removes their meter and adds a COMMS4 meter with Suffix N1. The transfer of MDP occurs before TCAUSTM have added N1 into MSATS. TCAUSTM is required by the Market Churn rules to install N1 into MSATS for the Churn period.

TCAUSTM now has no way of updating this information into MSATS.

- A CR4001 will fail if it is End Dated under the new market rules
- A CR4001 will fail if it is open ended as TCAUSTM is not an open ended contract
- A CR4051 cannot be used because the N1 has never existed.

The market needs to address these points.

****
Endeavour
The MDP should always have the option to populate an actual end date with the 4001 & 4003 change requests to make corrections to minimise the need to submit additional change requests.
</td>
<td>H

H</td>
<td>change to CR 4000/4001/4003 ensures that there is consistency between the procedures and MSATS.</td>
</tr>
</table>

Item	ID	Description	Participant Reponses to Initial Consultation	Rating	Draft Determination
		<table><tr><td>**CATS participant ID**</td><td>**Proposed change date**</td><td>**NMI suffix (at least one)**</td></tr><tr><td>**Datastream type (for each suffix)**</td><td>**Profile name (for each suffix)**</td><td>**Daily average load (for each suffix)**</td></tr><tr><td>**Datastream status code (for each suffix)**</td><td></td><td></td></tr></table> d) Obtain the average daily load from the LNSP if this value is not otherwise provided by the new FRMP. ~~**The current MDP may:**~~ ~~e) For change reason codes that are retrospective populate the initial change request with the following information:~~ <table><tr><td>~~**Actual end date**~~</td><td></td><td></td></tr></table>			
4.1.8	007	• *Update retrospective CR 4005 to remove ability to provide 'Actual end date':* **Clause 23 Maintain Datastream - Exchange of Datastream Information SMALL or Large** **23.1 Application [4004 4005]** This procedure applies to the following change reason codes: • **4004 – Exchange of Datastream Information** This is the situation where the current MDP is required to provide a change to the information in the MSATS system in regard to the MDM datastream details. The change will include at least one datastream status change to inactive and the creation of at least one new datastream. A minimum set of MDM datastream details for the NMI shall exist upon completion of the Change Request. The date at which the information will apply would be a prospective date. • **4005 – Exchange of Datastream Information - Retrospective** This is the situation where the current MDP is required to provide a change to the information in the MSATS system in regard to the MDM datastream details. The change will include at least one datastream status change to inactive and the creation of at least one new datastream. A minimum set of MDM datastream details for the NMI shall exist upon completion of the Change Request. The date at which the information will apply would be a retrospective date. **23.2 Conditions Precedent** a) The NMI exists in the MSATS system. b) The metering installation details exist in MSATS. c) The NMI classification code is SMALL or LARGE. d) Chapter 23 relates only to change reason codes 4004 and 4005. **23.3 Initiation Rules** a) A current MDP may initiate a change request to exchange datastream records in the MSATS system in accordance with clause 0. b) The current MDP must use one of the following change reason codes 4004 or 4005 to establish an initial change request.	**AGL** AGL supports the change on the basis AEMO has advised this change is purely a procedural change and it will not result in any changes to systems or processes, the purpose of this change is to align the MSATS procedures with existing MSATS validation and functionality. ********** **Ausgrid** Clause 23 Maintain Datastream - Exchange of Datastream Information SMALL or Large – As per 4.1.5 007 Also refer to "Ausgrid_Appendix_A_Item 4.1.7_007.docx" ********** **Endeavour** The MDP should always have the option to populate an actual end date with the 4004 & 4005 change requests to make corrections to minimise the need to submit additional change requests.	L H H	As noted above, in the example provided by Ausgrid, AEMO is able to populate the information for N1 if required and to make corrections if requested. The change to CR 4004/4005 ensures that there is consistency between the procedures and MSATS.

<table>
<tr><th>Item</th><th>ID</th><th>Description</th><th>Participant Reponses to Initial Consultation</th><th>Rating</th><th>Draft Determination</th></tr>
<tr><td></td><td></td><td>
c) There are no objections allowed for this change reason code and NMI classification.
d) A minimum set of MDM datastream details for the NMI shall exist upon completion of the change request.
23.4 MDP obligations
The current MDP must:
a) Obtain the NMI checksum from an approved source.
b) Confirm that the NMI is a valid NMI for the connection point prior to the initiation of a change request.
c) Populate the change request with the following information:
<table>
<tr><td>Change reason code</td><td>Participant transaction ID</td><td>CATS participant ID</td></tr>
<tr><td>Proposed change date</td><td>NMI</td><td>NMI checksum</td></tr>
</table>
d) For all datastreams associated to the NMI, where the Datastream Status Code is to be “A” populate the change request with the following information: (where this information does not currently exist in MSATS);
<table>
<tr><td>NMI suffix (at least one)</td><td>Datastream type (for each suffix)</td><td>Profile name (for each suffix)</td></tr>
<tr><td>Daily average load (for each suffix)</td><td>Data stream status code (for each suffix)</td><td></td></tr>
</table>
The current MDP may:
e) Populate the change request with the following information:
<table>
<tr><td>Meter serial ID (for each meter)</td><td>Register ID (for each register ID)</td><td>MDM contributory suffix (for each register ID)</td></tr>
</table>
f) ~~For change reason codes that are retrospective, populate the initial change request with:~~
<table>
<tr><td>~~Actual end date~~</td><td></td><td></td></tr>
</table>
</td><td></td><td></td><td></td></tr>
<tr><td>4.1.9</td><td>N/A</td><td>Effective Date of the CATS Procedures
The proposed effective date of the CATS Procedures is 15 May 2014.

Procedure Cover Page:
Effective Date: 15 May 2014

The document version history will also be updated to reflect these changes.</td><td></td><td></td><td>No changes received, as per initial consultation.</td></tr>
<tr><td>4.1.10</td><td>N/A</td><td>New change</td><td>Origin
With respect to 004 MSATS Changes for NSW NECF, there are a number of transactions within the procedures which can be used by the LNSP to update the Customer Threshold code (CTC). Currently the</td><td>H</td><td>Based on comments from Origin Energy, the BMRG proposes to apply further changes to MSATS based on the removal of the reference to the exemption for NSW for Customer Threshold</td></tr>
</table>

<table>
<tr><th>Item</th><th>ID</th><th>Description</th><th>Participant Reponses to Initial Consultation</th><th>Rating</th><th>Draft Determination</th></tr>
<tr><td></td><td></td><td></td><td>CTC field in each of these transactions has the follow text ‘(except for NMIs in NSW)’.

This text needs to be removed as the CTC is now required to be provided by the NSW LNSPs as a result of the introduction of NECF. The impacted transactions are listed below:
2000/2001/2003
2020/2021
2500/2501
2520/2521
5001/5021
5050/5051/5053
5060/5061
5100/5101</td><td></td><td>Codes (4.10.2).

Customer Threshold Code <s>(except for NMIs in NSW)</s>

The above change will be applied to the following transactions:

CR 2000/2001/2003 in Clause 12.4(f)

CR 2020/2021 in Clause 13.4(e)

CR 2500/2501 in Clause 14.4(g)

CR 2520/2521 in Clause 15.4(f)

CR 5001/5021 in Clause 26.4(e)

CR 5050/5051/5053 in Clause 27.4(d)

CR 5060/5061 in Clause 29.4(d)

CR 5100/5101 in Clause 42.4(d)</td></tr>
<tr><td>4.1.11</td><td>N/A</td><td>Version history
The Version History was updated to record the result of the MSATS Procedures Version 3.9 Consultation where no amendments were made to the Procedures.</td><td></td><td></td><td>The BMRG proposes the following updates:

<table><tr><td>3.8 Final Determination 13th November 2013</td><td>This version of the CATS Procedures is released to align MPB obligations with MDP obligations during the meter set up or maintenance process, by requiring the MPB to source the suffix from the appropriate MDP.</td></tr><tr><td>3.9 Final Determination 1st January 2014</td><td>No version 3.9 was released. The Tasmanian Government withdrew its request for the change to the CATS Procedures.</td></tr><tr><td>4.0 Final Determination 15th May 2014</td><td>This version of the CATS Procedures is released to include amendments arising from the introduction of NECF in NSW.</td></tr></table></td></tr>
</table>

4.2 Proposed Changes to the WIGS Procedure

<table>
<tr><th>Item</th><th>QC ID</th><th>Description</th><th>Participant Reponses to Initial Consultation</th><th>Rating</th><th>Draft Determination</th></tr>
<tr><td>1</td><td></td><td>PROPOSED/ REQUESTED CHANGES</td><td></td><td></td><td></td></tr>
<tr><td>4.2.1</td><td>003</td><td>
• Remove reference in Notes section relating to reconciling for pool settlements:
1.11 NMI Classification Codes
(a) The NMI classification code enables the MSATS system to be informed of the nature of the flow of electricity at the connection point to which the NMI information applies.
(b) The NMI classification codes WHOLESAL, INTERCON, GENERATR, EPROFILE and SAMPLE are used by these procedures. They are parameters that can be used when defining change reason codes, application time frames and objection rules.
(c) The NMI classification codes are based on the total annual load of the NMI as per Table 1-B.
(d) The NMI classification codes ‘WHOLESAL’, ‘INTERCON’, ‘GENERATR’ and ‘SAMPLE’ relate to a NMI and not to a site.
The valid NMI classification codes are specified in Table 1-B.
Table 1-B– NMI classification codes
<table>
<tr><th>Code</th><th>Description(4)</th></tr>
<tr><td>EPROFILE~~(3)~~(1)</td><td>External Profile Shape</td></tr>
<tr><td>GENERATR(1) ~~(3)~~</td><td>Generator</td></tr>
<tr><td>INTERCON~~(2)~~(1) ~~(3)~~</td><td>Interconnector</td></tr>
<tr><td>LARGE</td><td>Victoria: >=160 MWh
NSW: >=160 MWh
ACT: >= 160 MWh
QLD: >=100 MWh
SA: >=160 MWh
TAS: >=150 MWh</td></tr>
<tr><td>SAMPLE~~(3)~~(1)</td><td>Sample Meter</td></tr>
<tr><td>SMALL</td><td>Victoria: <160 MWh
NSW: <160 MWh
ACT: < 160 MWh
QLD: < 100MWh
SA: <160 MWh
TAS: <150 MWh</td></tr>
<tr><td>WHOLESAL(1) ~~(3)~~</td><td>Wholesale Transmission Node Identifier</td></tr>
</table>
</td><td>
AGL
AGL supports the change on the basis AEMO has advised this change is purely a procedural change only and will not result in any changes to settlements system or reconciliation processes as a result of removing the reference to these codes in the MSATS Procedures

****
Endeavour
Table 1-B Reference note against description shows (4) but should show (2)

****
Energex
Note 2 is not required as it is not referenced in this table.

****
Lumo
1.11 NMI Classification Codes
Note (4) reference in table heading should be deleted and replaced with Note (2)
Also, given that the reference in new Note (2) is to jurisdictional information it might be better placed with note (1), since the customer designation is the jurisdictional matter, not all the descriptors in column 2

****
United Energy
Below Table 1-B there is a note 2 which is not referenced in the table itself.
Suggest removing note 2 or
</td><td>
L

L

M

L
</td><td>
The BMRG notes the comments and proposes the following changes:
<table>
<tr><th>Code</th><th>Description(4)(2)</th></tr>
<tr><td>EPROFILE~~(3)~~(1)</td><td>External Profile Shape</td></tr>
<tr><td>GENERATR(1) ~~(3)~~</td><td>Generator</td></tr>
<tr><td>INTERCON~~(2)~~(1) ~~(3)~~</td><td>Interconnector</td></tr>
<tr><td>LARGE</td><td>Victoria: >=160 MWh
NSW: >=160 MWh
ACT: >= 160 MWh
QLD: >=100 MWh
SA: >=160 MWh
TAS: >=150 MWh</td></tr>
<tr><td>SAMPLE~~(3)~~(1)</td><td>Sample Meter</td></tr>
<tr><td>SMALL</td><td>Victoria: <160 MWh
NSW: <160 MWh
ACT: < 160 MWh
QLD: < 100MWh
SA: <160 MWh
TAS: <150 MWh</td></tr>
<tr><td>WHOLESAL(1) ~~(3)~~</td><td>Wholesale Transmission Node Identifier</td></tr>
</table>
~~Note (1): these codes will be used in the AEMO settlements process for the purpose of reconciling pool settlements.~~
~~Note (2): this code will allow the removal of a hard coded rule in the AEMO settlements system.~~
Note ~~(3)~~ (1): these codes are used in the WIGS Procedures.
Note ~~(4)~~ (2): see relevant jurisdictional regulation for full details.

In Table 1-B, Note 2 is referenced in the top heading labelled “Description”. The number reference has been updated to reflect the changes to the Notes section.

<table><tr><td>Description~~(4)~~(2)</td></tr></table>
</td></tr>
</table>

Item	QC ID	Description	Participant Reponses to Initial Consultation	Rating	Draft Determination
		~~Note (1): these codes will be used in the AEMO settlements process for the purpose of reconciling pool settlements.~~ ~~Note (2): this code will allow the removal of a hard coded rule in the AEMO settlements system.~~ Note ~~(3)~~ (1): these codes are used in the WIGS Procedures. Note ~~(4)~~ (2): see relevant jurisdictional regulation for full details.	referencing it in the table		
4.2.2	005	• *Updates to reflect correct reference:* **1.2.2 Application** a) The WIGS Procedures apply to Registered Participants in accordance with the Rules. They form part of the MSATS Procedures mentioned in Rules clause 7.2.8. b) The procedures apply to Service Providers through the AEMO accreditation process that has been established in accordance with the Rules. c) The WIGS Procedure document applies to NMI Class of Wholesale, Interconnector, Generator, External Profile Shape & Sample Meter. Refer to Chapters 1 to 5 and ~~42~~ 44 of the CATS procedure document for general chapters that relate to both CATS (Small & Large) and WIGS NMIs.	**AGL** If this change is required AGL recommends AEMO also updates the front section of the WIGS under' How to use this document' which also makes references to Chapter 42 and change it to Chapter 44.	L	The BMRG notes the comments from AGL and proposes the following change to the How to Use this Document section of the WIGS Procedures: **HOW TO USE THIS DOCUMENT** The MSATS Procedures: Procedures for the Management of Wholesale, Interconnector, Generator and Sample (WIGS) NMIs (as amended time to time) is a subset of the MSATS Procedures: CATS Procedures Principles and Obligations (as amended time to time). This document is commonly known as the WIGS Procedures. The WIGS Procedures contain the principles that govern consumer transfer, the registration of metering installation and management of standing data for NMIs that are classified as wholesale, interconnector, generator or sample. The WIGS Procedures must be read in conjunction with the *MSATS Procedures: CATS Procedures Part 1 Principles and Obligations*. Details on general obligations by role, CATS functionality and transaction type, CATS codes and rules for a change request and Access to CATS Standing data are explained in Chapters 1 – 5 & ~~42~~ 44 of the *MSATS Procedures: CATS Procedures Principles and Obligations*. However specific obligations by roles are detailed in chapters within this document. If you receive a notification from another participant for a NMI with a NMI classification code that is covered by these WIGS Procedures and are not sure what obligations you have, confirm, from the notification, the change reason code. Then check the 'Quick Reference Guide' at the beginning of this document to confirm what chapter covers this change reason code. The revision of these procedures is detailed in Chapter 26.
4.2.3	008	• *Update 15.3 Initiation Rules and 15.4 LNSP Obligations to reflect application, where the LNSP is allowed to initiate the CR 5001:* **15. Maintain NMI – backdate a NMI** **15.1 Application [5001]** This procedure applies to the following change reason code: • **5001 – Backdate NMI Start Date** This is the situation where AEMO, on request from an LNSP, or the LNSP establishes the initial set of information in the MSATS system in regard to a connection point. The date at which the information will apply would be a retrospective date. **15.2 Conditions Precedent**			No changes received, as per initial consultation.

<table>
<tr><th>Item</th><th>QC ID</th><th>Description</th><th>Participant Reponses to Initial Consultation</th><th>Rating</th><th>Draft Determination</th></tr>
<tr><td></td><td></td><td>
a) The NMI exists in the MSATS system.
b) The NMI classification is wholesale, interconnector, generator or sample.
c) Chapter 0 relates only to change reason code 5001.

15.3 Initiation Rules

a) AEMO or the LNSP may initiate a change request to backdate a NMI record in the MSATS system in accordance with clause 15.5.
b) AEMO or the LNSP must use change reason code 5001 to establish an initial change request.

15.4 LNSP Obligations

The new LNSP (which must be the same party as the current LNSP for the period where the NMI exists in MSATS) must:

a) ~~Provide AEMO with~~ Obtain the NMI checksum~~, which it has obtained~~ from an approved source.
b) Confirm that the NMI is still a valid NMI for the connection point prior to the initiation of a change request.
c) ~~Provide AEMO~~ Populate an initial change request with values for the following standing data items:

<table>
<tr><td>Participant transaction ID</td><td>NMI and NMI checksum</td><td>CATS participant ID</td></tr>
<tr><td>Proposed change date</td><td>Actual end date (which should be the day prior to the day that the existing NMI master record starts on)</td><td>TNI code</td></tr>
<tr><td>DLF code</td><td>NMI classification code</td><td>Jurisdiction code</td></tr>
<tr><td>FRMP</td><td>LR</td><td>ROLR</td></tr>
<tr><td>RP</td><td>MDP</td><td>MPB</td></tr>
<tr><td>MPC</td><td>LNSP which must be themselves</td><td>NMI status code</td></tr>
<tr><td>Locality</td><td>State</td><td>Postcode</td></tr>
</table>
d) ~~Provide AEMO~~ Populate the initial change request with values for the following address fields (as applicable):

EITHER

<table>
<tr><td>DPID</td><td>Flat number</td><td>Flat type</td></tr>
<tr><td>Floor number</td><td>Floor type</td><td>House number</td></tr>
<tr><td>House number suffix</td><td>Location descriptor</td><td>Lot number</td></tr>
<tr><td>Street name</td><td>Street suffix</td><td>Street type</td></tr>
</table>
OR

<table>
<tr><td>Unstructured address 1</td><td>Unstructured address 2</td><td>Unstructured address 3</td></tr>
</table>
The new LNSP may:
</td><td></td><td></td><td></td></tr>
</table>

<table>
<tr><th>Item</th><th>QC ID</th><th>Description</th><th>Participant Reponses to Initial Consultation</th><th>Rating</th><th>Draft Determination</th></tr>
<tr><td></td><td></td><td>e) ~~Provide AEMO~~ Populate the initial change request with the following information:
<table><tr><td>Embedded network parent name</td><td>Building name</td><td></td></tr></table></td><td></td><td></td><td></td></tr>
<tr><td>4.2.4</td><td>N/A</td><td>Effective Date of the WIGS Procedures

The proposed effective date of the WIGS Procedures is 15 May 2014.

Procedure Cover Page:
Effective Date: 15 May 2014

The document version history will also be updated to reflect these changes.</td><td></td><td></td><td>No changes received, as per initial consultation.</td></tr>
<tr><td>4.2.5</td><td>N/A</td><td>Version history
The Version History was updated to record the result of the MSATS Procedures Version 3.9 Consultation where no amendments were made to the Procedures. It also now includes amendments for MSATS Procedures Version 4.0 Consultation.</td><td></td><td></td><td><table><tr><td>3.8 Final Determination 13th November 2013</td><td>This version of the WIGS Procedures is released to align MPB obligations with MDP obligations during the meter set up or maintenance process, by requiring the MPB to source the suffix from the appropriate MDP.</td></tr><tr><td>3.9 Final Determination 1st January 2014</td><td>No version 3.9 was released. The Tasmanian Government withdrew its request for the change to the WIGS Procedures.</td></tr><tr><td>4.0 Final Determination 15th May 2014</td><td>This version of the WIGS Procedures is released to include amendments arising from the introduction of NECF in NSW.</td></tr></table></td></tr>
</table>