

# MSATS - Technical Specification - October 2025

1.08 November 2025

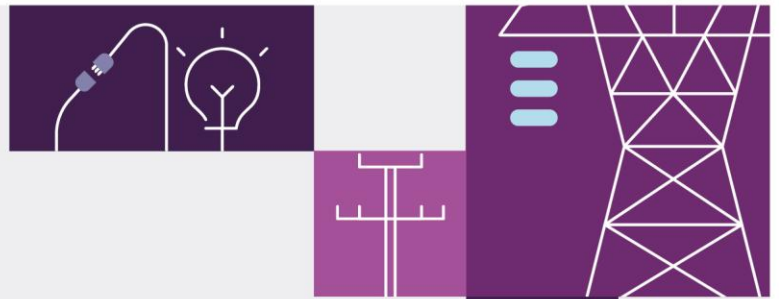
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# Important notice

## Purpose & audience

This document describes the technical changes required to participant's systems for the MSATS - Technical Specification - October 2025 (Release). The Australian Energy Market Operator (AEMO) provides this information as a service targeting business analysts and IT staff in participant organisations. It provides guidance about the changes to their market systems under the Electricity Rules (Rules), as at the date of publication.

## How to use this document

- If you have questions about the business aspects of these changes, please see Consultations on AEMO's website.
- The references listed throughout this document are primary resources and take precedence over this document.
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- **Text in this format** is an action to perform in the Markets Portal.
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- Rules Terms have the meaning listed against them in the **National Electricity Rules** (Rules).

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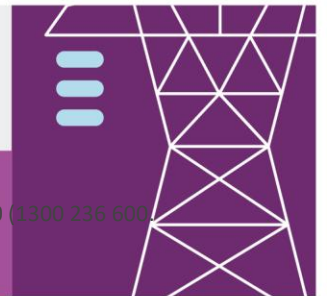
## Version History

1.08 In progress

## Documents made obsolete

The release of this document changes only the version of MSATS - Technical Specification - October 2025.

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# 1 Introduction

## 1.1 Audience

AEMO provides this information as a service targeting business analysts and IT staff in Registered Participant companies.

The primary audience for this technical specification is B2B and B2M Retail Market Participants.

## 1.2 Objective

The MSATS - Technical Specification - October 2025 (Release) describes the projects planned by AEMO from a participant perspective and includes any system related changes for participants.

## 1.3 Status

| Version     | Status                                                                                                                                                                                                                                                                                                                                                                                                                    |
|-------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 1.08        | Update <del>s</del> <u>meter exemption information</u> <del>d version based on the design</del>                                                                                                                                                                                                                                                                                                                           |
| <u>1.07</u> | <u>Updates version based on the design</u>                                                                                                                                                                                                                                                                                                                                                                                |
| 1.06        | Update <del>s</del> <u>d</u> version based on the design                                                                                                                                                                                                                                                                                                                                                                  |
| 1.05        | On Tuesday 2 September 2025, LMRP, Site Defects, ICF and IEC enhancements, and updated SDQ reports are available in the pre-production environment. For effective dates, see <a href="#">Release dates</a><br>For RoLR reports, meter exemptions, and SDQ reports, we still expect changes to the design while development and testing are in progress. They are available in pre-production on Tuesday 30 September 2025 |
| 1.04        | In progress. The design is not ready for participants' builds.                                                                                                                                                                                                                                                                                                                                                            |
| 1.03        | In progress. The design is not ready for participants' builds.                                                                                                                                                                                                                                                                                                                                                            |
| 1.02        | In progress. The design is not ready for participants' builds.                                                                                                                                                                                                                                                                                                                                                            |
| 1.01        | In progress. The design is not ready for participants' builds.                                                                                                                                                                                                                                                                                                                                                            |
| 1.00        | In progress. The design is not ready for participants' builds.                                                                                                                                                                                                                                                                                                                                                            |

| Version | Status                                                                                                                                                                                                                                                                                                                                                                                                                                  |
|---------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 0.03    | <div></div> <p><b>Initial draft for review. The design is not ready for participants' builds.</b></p> <p>Presents the MSATS - Technical Specification - October 2025 evolving design. Please send feedback to <a href="#">Contact Us</a>. In the Details of your enquiry section, mention the DCC Knowledge Management team as the Resolver group.</p> |

## 1.4 Release dates

| Environment    | Release date                  | Changes                                                                                                                                                                                                     | Effective date                                                                                                 |
|----------------|-------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------|
| Pre-production | Tuesday 2 September 2025      | <ul style="list-style-type: none"><li>- LMRP</li><li>- Site defects, ICF and IEC enhancements, and SDQ reports</li></ul>                                                                                    | <ul style="list-style-type: none"><li>- Tuesday 2 September 2025</li><li>- Tuesday 30 September 2025</li></ul> |
| Pre-production | Tuesday 30 September 2025     | <ul style="list-style-type: none"><li>- RoLR reports</li><li>- Meter exemptions</li><li>- <a href="#">Building and Property Name 2 patch release</a></li><li>- <a href="#">LMRP patch release</a></li></ul> | Tuesday 30 September 2025                                                                                      |
| Pre-production | Sunday 11 November 2025 (TBC) | <ul style="list-style-type: none"><li>- Meter exemptions nature type THIRD_PARTY</li></ul>                                                                                                                  | 1 December 2025                                                                                                |
| Production     | Sunday 26 October 2025        | <ul style="list-style-type: none"><li>- LMRP</li><li>- Site defects, ICF and IEC enhancements, and SDQ reports</li></ul>                                                                                    | <ul style="list-style-type: none"><li>- Sunday 26 October 2025</li><li>- Sunday 30 November 2025</li></ul>     |
| Production     | Sunday 30 November 2025       | <ul style="list-style-type: none"><li>- RoLR reports</li><li>- Meter exemptions</li><li>- <a href="#">Building and Property Name 2 patch release</a></li><li>- <a href="#">LMRP patch release</a></li></ul> | Sunday 30 November 2025                                                                                        |
| Production     | 1 December 2025 (TBC)         | <ul style="list-style-type: none"><li>- Meter exemptions nature type THIRD_PARTY</li></ul>                                                                                                                  | 1 December 2025                                                                                                |

## 1.5 Projects and enhancements

Changes and enhancements for this Release include:

| Project                               | Description                                                                                                                                                         | Type        |
|---------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------|
| MSR Package 1                         | Procedural and technical changes for the Retail market which includes: <ul style="list-style-type: none"> <li>- Accelerated LMRP</li> <li>- Site Defects</li> </ul> | Project     |
| Embedded Network Settlement Anomalies | CATS Change Requests restricted from updating embedded network child NMI datastreams retrospectively                                                                | Project     |
| ROLR reporting                        | Discontinue obsolete ROLR reports<br>ROLR report delivery to the Participant File Server                                                                            | Enhancement |
| ICF_077                               | Last Consumer Change Date (LCCD) auto populated in MSATS based on NMI status                                                                                        | Enhancement |
| ICF_078                               | Update NEM address element definitions because of B2M Procedures aligning with AS4590.1:2017 standard                                                               | Enhancement |
| IEC - B004/22                         | Update B2B field lengths according to B2B Procedures aligning with AS4590.1:2017 standard                                                                           | Enhancement |
| IEC - B002/22                         | Address inconsistencies field, field lengths and associated enumerations in the B2M and B2B procedures and schemas                                                  | Enhancement |
| MSR Package 2                         | Meter Exemption changes to support new metering testing and inspection requirements                                                                                 | Project     |

## 1.6 Forums and meetings

### 1.6.1 MSUG meetings

The **Market Systems User Group** (MSUG) is an industry user group established to discuss NEM wholesale and retail IT systems releases. Its purpose is to facilitate the continuing improvement of AEMO's IT systems by seeking feedback and collaboration from participants.

It is open to all interested parties, with invitations sent to all Registered Participants. If you have a technical question for a project and want to attend the MSUG, so you get an invite, ask your company's support team to include your email address in their **AEMO Help Desk Bulletin (CRM)**.

### 1.6.2 NEM Reform program stakeholder engagement

Details about the NEM Reform Forums, Working Groups, and related AEMO forums: **NEM Reform Stakeholder Engagement**.

### 1.6.3 Electricity Retail Consultative Forum

The **Electricity Retail Consultative Forum (ERCF)** provides a platform for participants operating in the NEM to participate in the enhancement of the Retail Electricity Market Procedures Framework (except B2B Procedures).

## 1.7 Rule and procedure changes

**The following rules and procedures take precedence over technical specifications and guides.**

| Title                                                                                             | Status    | Effective        |
|---------------------------------------------------------------------------------------------------|-----------|------------------|
| <b>B2B Procedures v3.9 Consultation</b>                                                           | Final     | 1 December 2025  |
| <b>B2B Procedure: Technical Delivery Specification v3.9</b>                                       | Final     | 1 December 2025  |
| <b>B2B Procedure: Service Order Process v3.9</b>                                                  | Final     | 1 December 2025  |
| <b>B2B Procedure One Way Notification Process v3.9</b>                                            | Final     | 1 December 2025  |
| <b>B2B Procedure Meter Data Process v3.9</b>                                                      | Final     | 1 December 2025  |
| <b>B2B Procedure Customer and Site Details Notification Process v3.9</b>                          | Final     | 1 December 2025  |
| <b>MSATS Procedures - Principles and Obligations for All Connection Points v7.1</b>               | Final     | 1 December 2025  |
| <b>Standing Data for MSATS v6.1</b>                                                               | Draft     | 1 December 2025  |
| <b>National Electricity Amendment (Accelerating smart meter deployment) Rule 2024</b>             | Final     | 28 November 2024 |
| <b>Exemption Procedure Meter Installation Malfunctions v2.0</b>                                   | Amendment | 1 December 2025  |
| <b>Metrology Procedure Part C v1.0</b>                                                            | Draft     | 1 December 2025  |
| <b>National Electricity Amendment (Unlocking CER benefits through flexible trading) Rule 2024</b> | Final     | 15 August 2024   |

## 1.8 Related technical specifications

None

## 1.9 Related software

| Software                                   | Change                                    | Version | Available                                    |
|--------------------------------------------|-------------------------------------------|---------|----------------------------------------------|
| <a href="#">B2B Validation Module</a>      | See <a href="#">B2B Validation Module</a> | 1.6     | Pre-production:<br>Tuesday 2 September 2025  |
|                                            |                                           | 1.7     | Pre-production: Tuesday 30<br>September 2025 |
| <a href="#">MSATS Participant Batchers</a> | New version updated for aseXML schema r46 | 2.0.18  | Pre-production:<br>Tuesday 2 September 2025  |

## 1.10 Related documents

Once published, these resources take precedence over this technical specification.

These guides and resources are updated according to this technical specification and published for the pre-production Release Date.

| Title                                        | Description                                                                                                   | Status                                          |
|----------------------------------------------|---------------------------------------------------------------------------------------------------------------|-------------------------------------------------|
| <a href="#">aseXML r46 schema release</a>    | aseXML r46 schema files                                                                                       | Final                                           |
| <a href="#">B2B Mapping to aseXML</a>        | Describes the mapping between the MSATS B2B procedures and the B2B aseXML schema                              | Complete                                        |
| <a href="#">B2M Mapping to aseXML</a>        | Describes the mapping between the MSATS B2M procedures and the B2M aseXML schema                              | Complete                                        |
| <a href="#">Guide to MSATS B2B</a>           | Information about the B2B e-Hub functions available in the Market Settlement and Transfer System (MSATS)      | Complete                                        |
| <a href="#">Guide to MSATS Reports</a>       | Information about CATS and MDM reports                                                                        | <del>In progress</del> <a href="#">Complete</a> |
| <a href="#">Guide to MSATS Web Portal</a>    | Information about the B2M functions available in the Market Settlement and Transfer System (MSATS) web portal | <del>In progress</del> <a href="#">Complete</a> |
| <a href="#">API portal</a>                   | Meter Exemptions API changes                                                                                  | Published in pre-production                     |
| <a href="#">Guide to Metering Exemptions</a> | Information about submitting and managing metering exemptions in the MSATS web portal                         | In progress                                     |

## 1.11 Approval to change

Access to the [Markets Portal Help](#) requires a MarketNet connection. Please speak with your company's Participant Administrator if you require access.

AEMO is seeking Participant feedback from the Electricity Retail Consultative Forum (ERCF), B2B Working Group, and interested parties.

## 1.12 Market systems user group meetings

The Market Systems User Group (MSUG) is an industry user group established to discuss NEM wholesale and retail IT systems releases. Its purpose is to facilitate the continuing improvement of AEMO's IT systems by seeking feedback and collaboration from participants.

MSUG meetings are open to all interested parties, with invitations sent to all included on the distribution list. If you have a technical question for a project and want to attend the MSUG ask your company's support team to include your email address in their [AEMO Help Desk Bulletin \(CRM\)](#) distribution list.

## 1.13 Version numbers

**AEMO releases new versions of this document as the technical requirements are streamlined.**

Incremental version numbers such as 1.01, 2.01 and so on mean there is a minor change to the technical specification.

Major version numbers such as 1.00, 2.00 means there are substantial changes to the technical specification. Participants must carefully review these changes, detailed below.

## 1.14 Changes in this version

This version includes the following changes:

- ~~Adds changes to payloadResponseMessage in the submitMeterExemption 200 response ROLR reports: Updates I row field RecordId to Record\_Version~~
- ~~Updates meter exemption validations~~
- ~~Adds URM entities for Service Order subtype interfaces~~
- ~~Adds THIRD\_PARTY nature value for meter exemptions~~



## 2 Proposed Timeline

| Milestone                       | Date                                                   | Description                                                                                                                                                                                                                                                                                                                                                        |
|---------------------------------|--------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Approval required               | n/a                                                    | For details, see <a href="#">Approval to change</a>                                                                                                                                                                                                                                                                                                                |
| Revised Technical Specification | January 2025                                           | <p>AEMO releases new versions of this document as the technical requirements are streamlined. During the project this document is the source of truth</p> <p>From the production release, the technical specification becomes final and the <a href="#">related documents</a> become the source of truth</p> <p><a href="#">Technical Specification Portal</a></p> |
| Related Documents publication   | Tuesday 2 September 2025                               | Release of guides and resources mentioned in <a href="#">Related documents</a>                                                                                                                                                                                                                                                                                     |
| MSUG meeting                    | Wednesday 27 August 2025                               | <p>Market Systems User Group Meeting (MSUG) to review the technical specification and ask AEMO technical SMEs questions</p> <p>This date is tentative. The Knowledge Management Team provides the invitation prior to the meeting</p>                                                                                                                              |
| Pre-production refresh          | 24 - 28 August 2025                                    | Refresh of the retail pre-production system with data from the production system. For more information, see <a href="#">Pre-production Refresh</a>                                                                                                                                                                                                                 |
| Pre-production implementation   | Tuesday 2 September 2025 and Tuesday 30 September 2025 | <p>AEMO implements components of the Release to pre-production for participant testing. For details including effective dates, see <a href="#">Release dates</a></p> <p>AEMO has full access to the system during this period</p> <p>Participant access is not restricted; however, the data content or system availability is not guaranteed</p>                  |
| Pre-production available        | Tuesday 2 September 2025 and Tuesday 30 September 2025 | Testing period begins for participants. For details including effective dates, see <a href="#">Release dates</a>                                                                                                                                                                                                                                                   |
| Participant Testing             | 9 September 2025 - 28 November 2025                    | Unstructured participant testing in the pre-production environment                                                                                                                                                                                                                                                                                                 |
| Production implementation       | Sunday 26 October 2025                                 | AEMO implements the release to production                                                                                                                                                                                                                                                                                                                          |
| Production systems available    | Sunday 26 October 2025 and Sunday 30 November 2025     | Production systems available to participants. For details including effective dates, see <a href="#">Release dates</a>                                                                                                                                                                                                                                             |

### 3 Participant Impact

AEMO revises the pre-production and production release dates. See [Release dates](#).

To comply with this Release, participants must:

1. Decide if you need to implement B2B schema transforms. For help, see [B2B Browser](#) in Markets Portal Help.
2. Schedule staff and resources to upgrade your B2B and B2M aseXML schemas to r46. For help, see [Guide to Transition of aseXML](#).
3. Download and install upgraded software versions. For help, see [Related software](#).

#### 3.1 Building and Property Name 2 patch

The current r44 aseXML schema supports the maxoccurs=2 attribute for the BuildingOrPropertyName element. The patch maps the BuildingOrPropertyName2 to the second element. The maxoccurs=2 attribute for the BuildingOrPropertyName remains, however only the values from the first BuildingOrPropertyName field and BuildingOrPropertyName2 are stored. This is required from 1 December 2025.

#### 3.2 LMRP patch

The LMRP patch deactivates the Blind Update Tool from populating LMRP values in MSATS. LMRP values are required to be populated prior to the Rule effective date 1 December 2025. This patch ensures any changes to the LMRP provides CR notifications to all affected participants.

#### 3.3 B2B impact

| Item                              | Project or enhancement                          | Changes                                                                                                                           |
|-----------------------------------|-------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------|
| <a href="#">B2B aseXML schema</a> | IEC enhancements                                | LMRP, Site Defects (One In All In), address and B2B field length alignment changes to support <a href="#">B2B Procedures v3.9</a> |
|                                   | Site Defects                                    |                                                                                                                                   |
|                                   | LMRP                                            |                                                                                                                                   |
|                                   | Shared Fusing Meter Replacement (One In All In) |                                                                                                                                   |

| Item                         | Project or enhancement                                                                      | Changes                                                                                                                                                                                                                                                                                                                                                                                                                                     |
|------------------------------|---------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>B2B Validation Module</b> | Site defects<br>LMRP<br>IEC enhancements<br>Shared Fusing Meter Replacement (One In All In) | New permitted values for B2B transactions                                                                                                                                                                                                                                                                                                                                                                                                   |
| <b>B2B Browser</b>           | Site Defects<br>LMRP<br>IEC enhancements<br>Shared Fusing Meter Replacement (One In All In) | Updates to Create Transaction interfaces                                                                                                                                                                                                                                                                                                                                                                                                    |
| <b>B2B transactions</b>      | Site Defects<br>LMRP<br>IEC enhancements                                                    | <p>New:</p> <p>Service Order Request sub types for Metering Service Works and Supply Service Works.</p> <p>Updates:</p> <ul style="list-style-type: none"> <li>- Enumerated values for One Way Notification subtype Meter Faults and Issues Notification and Service Order Response</li> <li>- Field length for Service Order and Customer and Site Detail Notification fields, HazardDescription, FormNumber, and FormReference</li> </ul> |

### 3.4 B2M impact

| Item                     | Project or enhancement                            | Change      |
|--------------------------|---------------------------------------------------|-------------|
| <b>aseXML B2M schema</b> | ERCF and IEC enhancements<br>LMRP<br>Site Defects | New version |

| Item                                     | Project or enhancement                                                              | Change                                                                                                                                                                                                                                                                                                                                   |
|------------------------------------------|-------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>CATS NMI Standing Data</b>            | LMRP<br>Site Defects                                                                | New CATS_NMI_DATA attributes:<br><ul style="list-style-type: none"> <li>- LMRP</li> <li>- Defect Flag</li> <li>- Defect type</li> <li>- Defect Issuing MC</li> <li>- BuildingorPropertyName2</li> </ul> Changes to address elements to align with AS4590.1:2017                                                                          |
| <b>Blind Update Tool (BUT)</b>           | LMRP                                                                                | LMRP field to support initial population between 26 October 2025 to 27 November 2025 as per rule change                                                                                                                                                                                                                                  |
| <b>Change requests and notifications</b> | LMRP<br>Site Defects<br>Embedded Network<br>Settlement Anomalies<br>ICF 077 and 078 | New and updated CRs and notifications                                                                                                                                                                                                                                                                                                    |
| <b>CATS reports</b>                      | LMRP<br>Site Defects                                                                | Changes to CATS Reports (C1, C4, C7, C29) and MSATS Snapshot Report. It includes five new attributes:<br><ul style="list-style-type: none"> <li>- LMRP</li> <li>- Defect Flag</li> <li>- Deflect type</li> <li>- Defect Issuing MC</li> <li>- BuildingorPropertyName2</li> </ul> Changes to address elements to align with AS4590.1:2017 |
| <b>Last Consumer Change Date (LCCD)</b>  | ICF077                                                                              | AEMO auto-populates the LCCD field in the NMI create process, i.e. populate the NMI's LCCD with the activation date for NMIs moving from a greenfield status to active status                                                                                                                                                            |

### 3.5 aseXML r46

r46 aseXML schema includes changes for MSR Package 1 and ERCF and B2B Working Group enhancements.

Effective 26 October 2025, participants affected by the B2M change in MSATS Procedures v7 must implement r46. This allows:

- Capturing changes to the LMRP value set by BUT through the CATS C1 ReportResponse.

**The r45 aseXML schema changes only applies B2B gas retail.**

**Gas participants are scheduled to adopt r45 in Q2 2026.**

- Ensuring B2M CRs referencing aseXML elements in MSATS Procedures v7.1 before 1 December 2025 fail validation in MSATS.

From the effective date 1 December 2025 with the MSR Package 1 Defect, ICF changes, and B2B v3.9 Procedures changes, participants must implement r46 to meet defect and address alignment obligations.

For help transitioning, see [Transition of aseXML](#).

3.5.1 aseXML B2B schema r46

| Current B2B aseXML schema | Superseded B2B aseXML schema |
|---------------------------|------------------------------|
| r46                       | r43                          |

3.5.2 B2B schema transforms

| Receiving version | Transforms |
|-------------------|------------|
| r46               | r43 to r46 |
| r43               | r46 to r43 |

For details, see [B2B aseXML schema](#).

3.5.3 aseXML B2M schema r46

| Latest | Current | Superseded |
|--------|---------|------------|
| r46    | r46     | r44        |

If you are not ready to transition your B2M aseXML schema with AEMO:

1. Change your schema preference to Current before the Release Dates.
2. When AEMO transitions, we move you to the Superseded preference.
3. When ready, complete your upgrade and observe the processing is correct. You may still receive some older aseXML versions for a short time during the transition period, around 24 hours.
4. Change your schema preference to Current.

For details, see [B2M aseXML schema](#).

### 3.5.4 B2M aseXML schema preference lower than r46

For participants having a B2M aseXML schema preference lower than r46, the new aseXML items are removed from Message Responses with a comment flagging the removal in the transformed aseXML payload.

### 3.5.5 B2M aseXML schema transition

For details, see [B2M schema release implementation](#).

### 3.5.6 aseXML schema change impact summary

For details, see:

- [B2B aseXML schema](#)
- [B2M aseXML schema](#)

### 3.5.7 BuildingOrPropertyName element transition

The aseXML r46 schema introduces the use of single-occurrence elements BuildingOrPropertyName (primary) and BuildingOrPropertyName2 (secondary).

In the BuildingOrPropertyName element, the maxOccurs="2" attribute remains to support two BuildingOrPropertyName values for B2B transaction until 30 November 2025. From the B2B Procedures effective date 1 December 2025, 2 values must be sent using the BuildingOrPropertyName and BuildingOrPropertyName2 elements.

## 3.6 AEMO MSATS configurable code fields

AEMO uses the CND\_[nn] framework to map field names in the CATS\_NMI\_DATA table to the C1 CATS Transaction Field Validations report. Where possible, participants should use the procedural field names defined in Standing Data for MSATS.

Existing cats\_nmi\_data CND\_nn fields are assigned to the following field names:

- Legacy Meter Replacement Plan = CND\_14
- Defect flag = CND\_15
- Defect Type = CND\_16
- Defect Issuing MC = CND\_17
- Building or Property Name 2 = CND\_18

AEMO is increasing the CND\_[nn] framework to cater for new fields in the future.

AEMO recommends participants do not hard code the AEMO MSATS configurable fields.

### 3.7 User Rights Management

Participant Users must have the following user rights entities to access new transactions provided by their company's Participant Administrator in the MSATS Web Portal > Administration > Maintain Rights menu.

| URM entity                      | Type        | Description                                                                                                        |
|---------------------------------|-------------|--------------------------------------------------------------------------------------------------------------------|
| B2BB_U202_SORMSWINSTALL_ISOL    | Interactive | Access B2B Trans Service Order Request Meter Service Works Install Meter Isolation Device interface in B2B browser |
| B2BB_U202_SORTEMPISOLATION_OIAI | Interactive | Access B2B Trans Service Order Request Temporary Isolation-One In All In interface in B2B browser                  |
| B2BB_U202_SORTEMPISOLATION_SCP  | Interactive | Access B2B Trans Service Order Request Temporary Isolation-Scoping Request interface in B2B browser                |

### 3.8 ROLR reports

Changes include:

- Discontinuing obsolete reports from 1 December 2025, as described in the ROLR Procedures.
- ROLR reports added to the CATS transaction group for delivery to the Participant File Outbox by API or FTP.

See [ROLR Reports](#).

## 4 Enhancements

### 4.1 High-level changes

| Function                       | Enhancement                                                                               | Description                                                                                                                  | Impacted                                         | MSATS functionality |
|--------------------------------|-------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------|---------------------|
| <b>MSATS standing data</b>     | LMRP<br>Site Defects<br>Building or Property Name 2                                       | New CATS NMI standing data attributes                                                                                        | Entitled participant roles                       | NMI Standing Data   |
| <b>B2B transactions</b>        | LMRP<br>Site defects<br>IEC enhancements<br>Shared Fuse Meter Replacement (One In All In) | Changes to:<br>- Metering Service Works<br>- Meter Fault and Issue Notification<br>- Service Order Request with new subtypes | Initiating Participant roles and receiving roles | B2B                 |
| <b>Blind Update Tool (BUT)</b> | LMRP                                                                                      | New LegacyMtrReplacementPlan attribute                                                                                       | LNSP                                             | B2M                 |
| <b>B2B Browser</b>             | LMRP<br>IEC enhancements<br>Shared Fuse Meter Replacement (One In All In)                 | Create new transaction                                                                                                       | Initiating Participant roles and receiving roles | B2B                 |
| <b>CATS reports</b>            | LMRP<br>Site defects<br>ERCF enhancements                                                 | Updated MSATS C1, C4, C7, Snapshot reports                                                                                   | LNSP<br>MC<br>FRMP                               | B2M                 |
| <b>SDQ queries</b>             | LMRP<br>Site defects                                                                      | New RM29 SDQ queries                                                                                                         | MC                                               | B2M                 |

## Enhancements

| Function                              | Enhancement                           | Description                                                                                                                                                              | Impacted                                                    | MSATS functionality |
|---------------------------------------|---------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------|---------------------|
| Change Request (CR) and notifications | LMRP                                  | Update CR 5050/5051 to support updates to LMRP value                                                                                                                     | Entitled Participant roles and initiating Participant roles | B2M                 |
|                                       | Site defects                          |                                                                                                                                                                          |                                                             |                     |
|                                       | Embedded Network Settlement Anomalies | Update to CR 4050/4051 to exclude EN Child NMI datastreams                                                                                                               |                                                             |                     |
|                                       |                                       | New CR 4060 to update EN Child NMI datastreams                                                                                                                           |                                                             |                     |
| MSATS Web Portal                      | LMRP                                  | Includes new LMRP and site defect attributes                                                                                                                             | Entitled Participant roles and initiating Participant roles | B2M                 |
|                                       | Site defects                          |                                                                                                                                                                          |                                                             |                     |
|                                       | ROLR reports                          | Changes to address elements to align with AS4590.1:2017                                                                                                                  |                                                             |                     |
|                                       | ERCF enhancements                     | Changes to: <ul style="list-style-type: none"> <li>- Create New Transaction interface</li> <li>- NMI Master interface</li> <li>- NMI Master Summary interface</li> </ul> |                                                             |                     |

## Enhancements

| Function    | Enhancement                                                                | Description                                                                                                                                                                                                                                   | Impacted                                         | MSATS functionality |
|-------------|----------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------|---------------------|
| B2B Browser | Site Defects                                                               | Changes to:                                                                                                                                                                                                                                   | Initiating Participant roles and receiving roles | B2B                 |
|             | ERCF and IEC enhancements<br>Shared Fuse Meter Replacement (One In All In) | <ul style="list-style-type: none"> <li>- Service Order Request, Metering Service Works transaction type</li> <li>- One Way Notification, Meter Fault and Issue Notification transaction type</li> <li>- B2B Service Order Response</li> </ul> |                                                  |                     |
|             |                                                                            | <p>New B2B Service Order Request subtypes:</p> <ul style="list-style-type: none"> <li>- Temporary Isolation-Scoping Request</li> <li>- Temporary Isolation-One In All In</li> <li>- Install Meter Isolation Device</li> </ul>                 |                                                  |                     |
| B2M schema  | LMRP<br>Site defects                                                       | New fields                                                                                                                                                                                                                                    | Initiating Participant roles and receiving roles | B2M                 |

| Function                     | Enhancement                                             | Description                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | Impacted                                         | MSATS functionality |
|------------------------------|---------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------|---------------------|
| <b>B2B schema</b>            | LMRP<br>Site defects<br>Shared Fusing Meter Replacement | <p>Changes to:</p> <ul style="list-style-type: none"> <li>- Electricity enumerations</li> <li>- Service Order Response</li> <li>- Service Order Request, Metering Service Works transaction type</li> <li>- One Way Notification, Meter Fault and Issue Notification transaction type</li> </ul> <p>New B2B Service Order Request subtypes:</p> <ul style="list-style-type: none"> <li>- Temporary Isolation-Scoping Request</li> <li>- Temporary Isolation-One In All In</li> <li>- Install Meter Isolation Device</li> </ul> | Initiating Participant roles and receiving roles | B2B                 |
| Common B2B and B2M schema    | ICF-078<br>B004/22<br>B002/22                           | <p>Address data enhancements for consistency and alignment to AS4590.1:2017 standard</p> <p>Align B2B and B2M field elements</p>                                                                                                                                                                                                                                                                                                                                                                                               | Entitled Participant roles                       | B2B<br>B2M – CATS   |
| <b>Blind Update Tool API</b> | LMRP                                                    | New LMRP field                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |                                                  | B2M                 |

| Function                            | Enhancement                                  | Description                                                                    | Impacted | MSATS functionality |
|-------------------------------------|----------------------------------------------|--------------------------------------------------------------------------------|----------|---------------------|
| <a href="#">Metering exemptions</a> | Meter testing, inspections, and malfunctions | New exemption types and configuration data impacting the web interface and API | MC       | B2M                 |
|                                     |                                              | New exemption validation rules                                                 |          |                     |

## 4.2 Legacy meter replacement plan (LMRP)

The LMRP describes replacing all existing type 5 (excluding those with remote acquisition) and type 6 meters with type 4 (smart) meters by 30 November 2030 in the National Electricity Market. To support this requirement, the LNSP in conjunction with applicable FRMP and MC is required to record and maintain the LMRP in MSATS.

## 4.3 Site defects

A final rule introduces a new requirement for MSATS to specify the information that must be recorded when an MC identifies a defect at the metering installation.

AEMO's MSATS Procedures requires the MC to record a Defect Flag, Defect Type, and Defect Issuing MC in MSATS.

## 4.4 Shared fuse meter replacement

A final rule introduces a Shared Fusing Meter Replacement Procedure which defines a One In All In process for meter upgrades on a shared fuse. When the smart meter installation at an NMI requires the isolation of more than one customer at that NMI due to a shared network fusing arrangement, DNSPs, FRMPs, and MCs must coordinate efforts. This is required so that any legacy meters on the shared fuse are replaced at the same time.

For details of the One in All in process, see page 14 of the [B2B Procedures v3.9 Consultation](#).

For information about IT changes supporting share fusing meter replacement, see [High-level changes](#).

## 4.5 Embedded network settlement anomalies

The AEMC's final rule determination Unlocking CER benefits through flexible trading, in agreement with AEMO that settlement anomalies with child NMIs can occur due to retrospective connections and disconnections.

The changes are:

- Limiting the ability for NMI datastreams in embedded networks to be activated or deactivated retrospectively.
- Continue to allow for retrospectively creating new Child NMIs.
- Continue to allow for retrospectively exchanging meters.

## 4.6 ICF077 auto populate LCCD field for new NMIs

In accordance with the CATS Procedures, all current financially responsible Market Participants (**FRMPs**) are obligated to maintain the Last Consumer Change Date (LCCD) field within MSATS. AEMO introduced the LCCD field to better support the Consumer Data Right Rule (**CDR Rule**) and enables customers to access data which can span multiple retailers for the same NMI.

AEMO proposes to auto-populate the LCCD field to maintain the NMI completion process, where an NMI status is updated from Greenfield "G" to Active "A". This impacts FRMPs who maintain the LCCD field within MSATS.

## 4.7 ICF078 address data enhancements

This ICF aligns the address standard in B2M Procedures with the AS4590.1:2017 standard. It supersedes the current NEM addressing which is based on the AS4590-1999 standard.

This change request includes the following changes:

- Increase character lengths in key address fields for capturing detailed address information and avoiding data truncation.
- Update enumerated values for address elements. This enhancement provides more accurate and complete address data and consistent data standards between B2B and B2M.

## 4.8 IEC - B004/22 - align B2B field lengths to the Australian Standard

A parallel change to ICF078 to update address element definitions to AS4590.1:2017.

## 4.9 IEC - B002/22 – align B2B and B2M field elements

This change resolves inconsistencies in the field, field lengths and associated enumerations in the B2M and B2B procedures and schemas. This can impact key industry functions. For example, when a customer provides hazard details to the Retailer, the Retailer forwards this information to the applicable B2B participants.

## 4.10 ICF-079 NEM12 MDFF inconsistencies

Remove the inconsistency between clauses 4.4 and 4.5 of the Meter Data File Format Specification NEM12 & NEM13 (MDFF Specification) relating to the provision of 400 block data for actual reads.

## 4.11 Retailer of last resort reports

The AER initiates a Retailer of Last Resort (ROLR) event when a FRMP cannot support its financial obligations within the NEM. The ROLR reporting process is updated to improve the request and delivery of reports. The changes include:

- Discontinuing reports that are no longer required.
- Delivering ROLR reports to the Participant File Server outbox.

For details, see [ROLR Reports](#).

## 4.12 Meter testing, inspections, and malfunctions

MCs can apply for a malfunction exemption for metering installations when they cannot repair the metering installation within the timeframes defined in clause 7.8.10(a) of the NER.

The Final Rule removes the requirement for DNSPs to test their existing type 5 and type 6 meters during the acceleration phase of smart meter deployment. Additionally, all existing exemptions are included into the LMRP. Consequently, malfunctions during the acceleration phase only applies for type 1, type 2, type 3 and type 4 metering installations.

NER amendments and Exemption Procedure Meter Installation Malfunction define the expected timeframe to rectify a metering installation malfunction. AEMO has proposed changes to the Metering Installation Exemption Guideline in its consultation, streamlining MCs applying for a meter exemption.

The changes include:

- 4 new exemption types - Whole Current Connected NMI, LV CT Connected NMI, HV connected NMI, Family Failure and associated nature values.
- Deactivating old exemption type and nature configuration for the malfunction category.

## Enhancements

- MSATS Web Portal - The meter exemptions interface new configuration field and checkbox for MCs to populate when raising and exemption.
- Automatic approval or rejection for some Whole Current Connected NMIs and Family Failure exemptions.
- Validation to restrict continual exemption for same NMI and exclusion of non-conforming participants from automated processing.

# 5 B2B

## 5.1 B2B aseXML schema

This schema release r46 affects B2B.

For help with schema transitions, see [Guide to Transition of aseXML](#).

For potentially impacted files, transactions, and versioned types for r46, see [Impact summary](#).

To obtain schemas, guidelines, whitepapers etc, see [aseXML Standards](#).

### 5.1.1 Schema changes summary

| Affected files | New | Modified                                                                                                                                                                                                                |
|----------------|-----|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| aseXML_r46     | n/a | Included file versions: <ul style="list-style-type: none"><li>- Common</li><li>- Electricity</li><li>- Electricity Enumerations</li><li>- Transactions</li><li>- Service Order</li><li>- One Way Notification</li></ul> |
| Common_r46     | n/a | HazardDescription – Increase maximum length from 80 to 100 characters                                                                                                                                                   |

| Affected files  | New                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | Modified                                                                                                                                                                                                                                                                                           |
|-----------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Electricity_r46 | <p>Additional enumerated values for SORDResponseCode to support MP-initiated Service Orders Responses for defects and One In All In to FRMPs:</p> <ul style="list-style-type: none"> <li>- Appointment Required</li> <li>- Comms Refused</li> <li>- Coordination Failure</li> <li>- Defect</li> <li>- Demolished</li> <li>- Dog</li> <li>- Incorrect Service Order</li> <li>- Mismatch with Standing Data</li> <li>- Natural Event</li> <li>- No Access - Network Support Required</li> <li>- Not FRMP</li> <li>- No Adult Present</li> <li>- Obstruction</li> <li>- Shared Fuse - Scoping Required</li> <li>- Site Not Ready</li> <li>- Unable To Isolate</li> <li>- Unable To Locate Site</li> </ul> <p>New enumerated values for ServiceOrderSubType:</p> <ul style="list-style-type: none"> <li>- Temporary Isolation - Scoping Request: For supporting FRMP-initiated Service Orders to the DNSP for a One In All In shared fusing scoping request</li> <li>- Temporary Isolation One In All In: For supporting FRMP-initiated Service Orders to the DNSP for a One In All In shared fuse scoping request</li> </ul> | <p>The following values are updated to support the alignment of NEM B2M and B2B fields:</p> <ul style="list-style-type: none"> <li>- FormNumber – Increase maximum length from 15 to 20 characters</li> <li>- FormReference – Reduce maximum length from 30 to 20 characters</li> <li>-</li> </ul> |

| Affected files                  | New                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | Modified |
|---------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------|
| <b>Electricity Enumerations</b> | <p>Enumerations for the LMRP and One In All In process:</p> <ul style="list-style-type: none"> <li>- RegClassification</li> <li>- PurposeOfRequest</li> <li>- SORDResponseCode</li> </ul> <p>Adds Remediation Advised to the enumerated list for PurposeOfRequest element, to support FRMP initiating Metering Service Works Service Orders Requests for defects to MPs</p> <p>Adds One In All In to the enumerated list for ReasonForNotice element, to support DNSP initiated Meter Fault And Issue Notification One Way Notifications for shared fuse outages to an FRMP</p> | n/a      |

In the r46 aseXML schema , the maxoccurs=2 attribute remains in BuildingOrPropertyName for using 2 instances from 26 October to 30 November 2025. From 1 December 2025, BuildingOrPropertyName and BuildingOrPropertyName2 must be used to represent primary and secondary complex names.

## 5.2 B2B browser

The B2B Browser changes include:

- Updates to B2B transaction create, view, and edit interfaces to include enumerated values.
- B2B transactions with new sub type interfaces:
  - Metering Service Works > Install Meter Isolation Device
  - Supply Service Works > Temporary Isolation-One In All In
  - Supply Service Works > Temporary Isolation-Scoping Request

Create Transaction - Supply Service Works Temporary Isolation-Scoping Request

Participant ID: NEMMCO  
Participant Name: Australian Energy Market Operator Limited

Header

From (\*): NEMMCO

To (\*):

Message ID (\*): B2BM1759469709553000

Message Date (\*): 3-Oct-2025 15:35:09

Transaction Group (\*): SORD

Priority (\*): Medium

Market (\*): NEM

Service Order Request

Transaction ID (\*): B2BT1759469709553001

Transaction Date: 3-Oct-2025 15:35:09

Notify Party ID 1:

Action Type (\*):

Service Order ID (\*):

Notify Party ID 2:

NMI (\*):

NMI Checksum:

Notify Party ID 3:

Service Order Type

Service Order Type (\*): Supply Service Works

Service Order Sub Type (\*): Temporary Isolation-Scoping Request

Service Point

Access Details (\*):

Life Support (\*):

Hazard Description 1:

Hazard Description 2:

Hazard Description 3:

Service Order Co-ordination Required (\*):

Co-ordinator Contact Name

Name Title:

Given Name:

Family Name:

Name Type:

Name Suffix:

Co-ordinating Business Contact Name

Name Title:

Given Name:

Family Name:

Name Type:

Name Suffix:

Business Name:

Co-ordinating Contact Telephone Numbers

Prefix:

Number:

Service Type:

Service Comment:

Prefix:

Number:

Service Type:

Service Comment:

Prefix:

Number:

Service Type:

Service Comment:

Initiator Contact Name

Name Title:

Given Name:

Family Name:

Name Type:

Name Suffix:

5.3 B2B transactions

| Enhancement                               | Transaction            | Changes                                                                                                                                                                                                                         |
|-------------------------------------------|------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Site defects                              | Metering Service Works | <div>- In the B2B Browser interface, a FRMP can set Purpose Of Request to Defect Resolved to notify the MP the customer has advised the defect is resolved</div>                                                                |
| Site defects                              | Service Order Response | <div>- In the B2B Browser, an MP can set numerous SORDResponseCode to cover One In All In exemptions</div>                                                                                                                      |
| Shared fuse meter replacement<br><br>LMRP | Supply Service Works   | <div>- Temporary Isolation - Scoping Request Service Orders for shared fusing to DNSP.</div> <div>- Temporary Isolation – One In All In Request Service Orders and Install Meter Isolation Device for shared fuse to DNSP</div> |
|                                           | Metering Service Works | <div>- Subtype Install Meter Isolation Device</div>                                                                                                                                                                             |
| Shared fuse meter replacement             | One Way Notification   | <div>- DNSP can initiate Meter Fault And Issue Notification to FRMP for shared fuse outage</div>                                                                                                                                |

B2B transactions has changes to support the site defects process.

## 5.4 B2B validation module

The B2B Validation Module provides the following validations:

- LMRP and One In All In are permitted values for RegClassification
- Remediation Advised is a permitted value for PurposeOfRequest
- Permitted values for SORDResponseCode:
  - Appointment Required
  - Comms Refused
  - Coordination Failure
  - Defect
  - Demolished
  - Dog
  - Incorrect Service Order
  - Mismatch with Standing Data
  - Natural Event
  - No Access - Network Support Required
  - Not FRMP
  - No Adult Present
  - Obstruction
  - Shared Fuse - Scoping Required
  - Site Not Ready
  - Unable To Isolate
  - Unable To Locate Site
- One In All In is a permitted value for ReasonForNotice
- New validation rules when MCs update the Site Defect flag

# 6 B2M

## 6.1 B2M aseXML schema

This schema release r46 affects B2M.

For help with schema transitions, see [Guide to Transition of aseXML](#).

For potentially impacted files, transactions, and versioned types for r46, see [Impact summary](#).

To obtain schemas, guidelines, whitepapers etc, see [aseXML Standards](#).

### 6.1.1 Schema changes summary

| Affected files                    | New                                                                                                                                                                                                                                               | Modified                                                                                                                                                   |
|-----------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------|
| aseXML_r46                        | n/a                                                                                                                                                                                                                                               | Included file versions: <ul style="list-style-type: none"><li>- ElectricityMasterStandingData</li><li>- Enumerations</li><li>- ClientInformation</li></ul> |
| ElectricityMasterStandingData_r46 | Elements to support requirements related to the LMRP, Site Defects, and Site Defect Notifications: <ul style="list-style-type: none"><li>- LegacyMtrReplacementPlan</li><li>- DefectFlag</li><li>- DefectIssuingMC</li><li>- DefectType</li></ul> |                                                                                                                                                            |

| Affected files               | New                                                                                                                                                                         | Modified                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
|------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Enumerations</b>          | <p>4 new enumerations:</p> <ul style="list-style-type: none"> <li>- LL - LOWER LEVEL</li> <li>- PTHS - PENTHOUSE</li> <li>- PL - PLATFORM</li> <li>- PD - PODIUM</li> </ul> | <p>AustralianFloorOrLevelType - Maximum length updated from 2 to 4 characters</p> <p>Adds comment to describe the name mapping from AS4590.1:2017 to the aseXML for AustralianStreetName:</p> <ul style="list-style-type: none"> <li>- AS4590.1:2017 abbreviation – aseXML Abbreviation - Name</li> <li>- FRTL - FITR - FIRETRAIL</li> <li>- AV - AVE - AVENUE</li> <li>- CR - CRES - CRESCENT</li> <li>- GLDE – GLD - GLADE</li> <li>- PWY – PKWY - PARKWAY</li> </ul> <p>Adds comment to describe the name mapping from AS4590.1:2017 to the aseXML for AustralianFlatOrUnitType:</p> <ul style="list-style-type: none"> <li>- AS4590.1:2017 abbreviation – aseXML Abbreviation - Name</li> <li>- DUPL - DUP - DUPLEX</li> <li>- FCTY - FY - FACTORY</li> <li>- FLAT – F - FLAT</li> <li>- MBTH – MB - MARINE BERTH</li> <li>- OFFC – OFF - OFFICE</li> <li>- ROOM - RM - ROOM</li> <li>- STLL - SL - STALL</li> <li>- UNIT - U - UNIT</li> <li>- WHSE - WE – WAREHOUSE</li> </ul> |
| <b>ClientInformation_r46</b> | <p>New element<br/>BuildingOrPropertyName2</p>                                                                                                                              | <p>BuildingOrPropertyName</p> <ul style="list-style-type: none"> <li>- Updates maximum length from 30 to 50 characters</li> <li>- Removes the MaxOccurs value</li> </ul> <p>StreetName – Updates maximum character length from 30 to 45 characters</p> <p>FloorOrLevelType – Updates maximum character length from 2 to 4 characters</p>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |

- 

- To minimise significant changes in participants' systems, AustralianStreetName and AustralianFlatOrUnitType retains certain enumerations rather than changing them as defined in AS4590.1:2017. The enumerations schema file includes comments to map the AS4590.1:2017 Abbreviation to the aseXML abbreviation.

-

### 6.1.2 B2M schema release implementation

During the pre-production and production implementations, participants' preferences for their B2M transaction receiving schema version is transitioned by AEMO in the MSATS Web Portal > Participants > Participant Schema as follows:

| Before MSATS release |                        | During implementation   |                                                                                                                                                                      | After MSATS release    |                         |
|----------------------|------------------------|-------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------|-------------------------|
| Transaction group    | B2M participant schema | Outbound schema version |                                                                                                                                                                      | B2M participant schema | Outbound schema version |
| CATS                 | LATEST                 | r44                     | AEMO transitions participants on LATEST to r46 for continued compliance                                                                                              | LATEST                 | r46                     |
| NMID                 | LATEST                 | r44                     |                                                                                                                                                                      | LATEST                 | r46                     |
| MDMT                 | LATEST                 | r44                     |                                                                                                                                                                      | LATEST                 | r46                     |
| CATS                 | CURRENT                | r44                     | Participants on CURRENT remain on , with the setting changed to Superseded. Participants can choose when to transition to the new Current/Latest setting             | SUPERSEDED             | r44                     |
| NMID                 | CURRENT                | r44                     |                                                                                                                                                                      | SUPERSEDED             | r44                     |
| MDMT                 | CURRENT                | r44                     |                                                                                                                                                                      |                        | r44                     |
| CATS                 | SUPERSEDED             | r43                     | AEMO transitions participants on the Superseded version r43 to the new Superseded version r44. r43 and earlier versions are unsupported; all responses return in r44 | SUPERSEDED             | r44                     |
| NMID                 | SUPERSEDED             | r43                     |                                                                                                                                                                      | SUPERSEDED             | r44                     |
| MDMT                 | SUPERSEDED             | r43                     |                                                                                                                                                                      | SUPERSEDED             | r44                     |

### 6.1.3 Assign null value to site defect elements

To assign a null value for the DefectFlag, DefectType, and DefectIssuingMC elements, use the attribute `xsi:nil="true"` as shown in the following example.

```

<MasterData>
  <DefectFlag xmlns:xsi="http://www.w3.org/2001/XMLSchema-
instance" xsi:nil="true"/>
  <DefectType xmlns:xsi="http://www.w3.org/2001/XMLSchema-
instance" xsi:nil="true"/>
  <DefectIssuingMC xmlns:xsi="http://www.w3.org/2001/XMLSchema-
instance" xsi:nil="true"/>
</MasterData>

```

## 6.2 Blind update tool

The Blind Update Tool (BUT) has the following changes:

- LEGACY\_METER\_REPLACEMENT\_PLAN field to support initial population between 26 October 2025 to 27 November 2025.
- Updates to the LEGACY\_METER\_REPLACEMENT\_PLAN values where the AER has approved amendments to the LMRP schedule over the acceleration period (2025-2030).
- When the LEGACY\_METER\_REPLACEMENT\_PLAN attribute is set in BUT, all entitled roles can request and receive the updated value in a C1 or MSATS Snapshot report.

**BUT updates do not trigger CATS notifications. AEMO recommends only performing BUT updates when participants can capture and ingest changes.**

### 6.2.1 csv submission example

A csv payload example for submitting legacy meter replacement plan values is shown below.

```

C,TEST,BLIND_UPDATE_SUBMISSION,PARTICIPANTID,NEMMCO,2025/05/02,16:12:0
0,,,,NEM,BUT02050415
I,BUS,NMI_DATA,1,NMI,FIELD,NEW_VALUE
D,BUS,NMI_DATA,1,9998887771,LEGACY_METER_REPLACEMENT_PLAN,2026/05/10
D,BUS,NMI_DATA,1,9842723212,LEGACY_METER_REPLACEMENT_PLAN,2026/05/10
D,BUS,NMI_DATA,1,9483292123,LEGACY_METER_REPLACEMENT_PLAN,2026/05/10
C,END OF REPORT,6

```

**The BUT limit for a single payload is 50,000 rows.**

For information about the BUT payload format, see [Create Payload](#) and [CSV Data Format Standard](#) in Markets Portal Help.

### 6.2.2 BUT interfaces

There are no changes to the BUT interface in MSATS Web Portal or BUT API.

## 6.3 CATS standing data

New standing data items using existing cats\_nmi\_data CNDnn fields.

| Field                         | MSATS standing data table                                       | Description                                                                              |
|-------------------------------|-----------------------------------------------------------------|------------------------------------------------------------------------------------------|
| Legacy Meter Replacement Plan | CATS_NMI_DATA                                                   | The scheduled replacement date for legacy meters                                         |
| Defect Flag                   | CATS_NMI_DATA                                                   | A flag identifying the defect at site which prevents a metering upgrade                  |
| Defect Type                   | CATS_NMI_DATA<br>Enumeration values stored in MSATS_CODES_DATED | The type of defect preventing the repair of a meter or replacement of a legacy meter     |
| Defect Issuing MC             | CATS_NMI_DATA                                                   | The MC that raised the defect                                                            |
| Building or Property Name 2   | CATS_NMI_DATA                                                   | A secondary address field for capturing additional building or property name information |

The standing data items are:

- Displayed in the [NMI Master and NMI Master Summary interfaces](#) in MSATS.
- Contained in the C1, C4, C7, and Snapshot reports. For information about roles that have access to the standing data fields, see Table 17-C – NMI Standing Data Items and CATS Standing Data NMI Discovery Data Access Rules in [MSATS Procedures - Principles and Obligations for All Connection Points v7.1](#).

## 6.4 Change requests and notifications

### 6.4.1 LMRP

Existing 5050/5051 CRs and validation rules updated to allow DNSPs to update the LMRP value.

Notifications for LMRP updates are sent to participants with an active association to the NMI.

### 6.4.2 Site defects

CR 5301 – Change Defect Flag - retrospective for MCs updating the Defect flag, Defect Type, and Defect Issuing MC.

Notifications for the Defect flag, Defect Type, and Defect Issuing MC updates are sent to participants with an active association to the NMI. An example is shown below.

```
<?xml version="1.0" encoding="UTF-8"?><ase:aseXML
xmlns:ase="urn:aseXML:r46"
xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
xsi:schemaLocation="urn:aseXML:r46
http://www.nemmco.com.au/aseXML/schemas/r46/aseXML_r46.xsd">
  <Header><From>METERMC</From><To>NEMMCO</To><MessageID>METERNMC_MSG_2
0250105120200000</MessageID><MessageDate>2025-01-
05T12:02:00.000+10:00</MessageDate><TransactionGroup>CATS</Transaction
Group><Priority>Medium</Priority><SecurityContext>MDHAGLE</SecurityCon
text><Market>NEM</Market></Header>
  <Transactions>
    <Transaction transactionDate="2025-01-05T12:02:00.000+10:00"
transactionID="METERMC_20250105120200000">
      <CATSChangeRequest version="r29">
        <ChangeReasonCode>5301</ChangeReasonCode>
        <ProposedDate>2025-01-05</ProposedDate>
        <NMISTandingData version="r43"
xsi:type="ase:ElectricityStandingData">
          <NMI checksum="9">9898919768</NMI>
          <MasterData>
            <DefectFlag>Y</DefectFlag>
            <DefectIssuingMC>METERMC</DefectIssuingMC>
            <DefectType>ASBESTOS</DefectType>
          </MasterData>
        </NMISTandingData>
      </CATSChangeRequest>
    </Transaction>
  </Transactions>
</ase:aseXML>
```

For CR 3004/3005 Exchange of Metering Information and 3090/3091 Advanced Meter Exchange, the NMI's Defect flag, Defect Type, and Defect Issuing MC values are automatically set to null when a meter installation code BASIC or MRIM is removed, and a new meter installation code of COMMS or MRAM is activated. The LegacyMtrReplacementPlan value remains populated.

### 6.4.3 Embedded network settlement anomalies

To ensure the NMI datastream status code does not change retrospectively:

- CR 4050/4051 includes a validation to check the embedded network child name is not populated.
- New CR 4060 Change NMI Datastream Details – A child NMI datastream can be updated to set the datastream status as active or inactive.

**A retrospective Change NMI Datastream is not available for child NMIs.**

#### 6.4.4 ICF-077 Auto populate LCCD field for new NMIs

When an NMI status is updated from Greenfield “G” to Active “A”, AEMO auto-populates the LCCD field and includes the updated LCCD field in the CR 5050/5051 and CR5060/5061 CATS notification to all participants who are entitled to receive the notifications. An example is shown below.

```
<?xml version="1.0" ?>  
<ase:aseXML xmlns:ase="urn:aseXML:r46"  
xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
```

```

xsi:schemaLocation="urn:aseXML:r46
http://www.nemmco.com.au/aseXML/schemas/r46/aseXML_r46.xsd">
  <Header>
    <From description="Australian Energy Market Operator
Limited">NEMMCO</From>
    <To description="Energex Limited">ENGYPART</To>
    <MessageID>NEMMCO-MSG-9898236450</MessageID>
    <MessageDate>2025-06-06T02:37:22+10:00</MessageDate>
    <TransactionGroup>CATS</TransactionGroup>
    <Priority>Medium</Priority>
    <SecurityContext>NEMMCOBATCH</SecurityContext>
    <Market>NEM</Market>
  </Header>
  <Transactions>
    <Transaction transactionID="NOTF-2739165299"
transactionDate="2025-06-06T00:18:58+10:00"
initiatingTransactionID="LCCDMDM">
      <CATSNotification version="r29">
        <Role>RP</Role>
        <RoleStatus>C</RoleStatus>
      <ChangeRequest>
        <Participant>ENGYPART</Participant>
        <RequestID>1441204352</RequestID>
        <ChangeStatusCode>COM</ChangeStatusCode>
        <ChangeData>
          <ChangeReasonCode>5051</ChangeReasonCode>
          <ActualChangeDate>2025-06-01</ActualChangeDate>
          <NMISTandingData xsi:type="ase:ElectricityStandingData"
version="r46">
            <NMI checksum="0">9990005230</NMI>
            <MasterData>
              <Status>A</Status>
              <LastConsumerChangeDate>2025-06-
01</LastConsumerChangeDate>
            </MasterData>
          </NMISTandingData>
        </ChangeData>
      </ChangeRequest>
      <JurisdictionCode>QLD</JurisdictionCode>
      <NMIClassificationCode>SMALL</NMIClassificationCode>
      <ObjectionEndDate>2025-06-05</ObjectionEndDate>
    </CATSNotification>
  </Transaction>
</Transactions>
</ase:aseXML>

```

#### 6.4.5 ICF-078

Affected CR Codes for new field BuildingOrPropertyName2

| Change Reason Code | Impacted                                                                  |
|--------------------|---------------------------------------------------------------------------|
| 2000/1             | New LNSP initiating the CR                                                |
| 2020/1             | New ENM initiating the CR                                                 |
| 2500/1             | New LNSP initiating the CR                                                |
| 2520/1             | New ENM initiating the CR                                                 |
| 5001               | New LNSP (who must be Current LNSP where the NMI exist) initiating the CR |
| 5021               | New ENM (who must be Current ENM where the NMI exist) initiating the CR   |
| 5050/1             | Current LNSP initiating the CR                                            |
| 5060/1             | Current ENM initiating the CR                                             |
| 5100/1             | AEMO initiating standing data update                                      |

## 6.5 NMI master and NMI master summary interfaces

The NMI Master and NMI Master Summary interfaces include new fields:

- LegacyMtrReplacementPlan
- Defect flag
- Defect Type
- Defect Issuing MC
- BuildingOrPropertyName2

Point In Time NMI Master Summary

Participant ID:  
Participant Name:

Search Criteria

NMI (\*):

Business Date (\*):  
(dd-mm-yy):

Report Type (\*):

Search

Clear

1-Aug-2025

As At Date (\*):  
(dd-mm-yy):

1-Aug-2025

Summary

Partial NMI Data

Complete NMI Data

7 NMI Data Items

General Information:

NMI:

Classification Code:

Embedded Network ID (Parent):

Embedded Network ID (Child):

Start Date:

Status Code:

Activity Status:

Jurisdiction:

Aggregate Flag:

TNI Code:

TNI2 Code:

DUF Code:

End Date:

Updated On:

Created On:

NSW

Y

31-Dec-9999

31-Dec-9999 00:00:00

20-Jan-2011 01:26:10

Address Information:

Building/Property Name:

Building/Property Name 2:

Flat/Unit

Floor/Level

Street

Suburb/Locality:

Feeder Class:

Customer Classification Code:

Customer Threshold Code:

SharedIsolationPointFlag:

ConnectionConfiguration:

SectionNumber:

DPINumber:

GNAFPID:

LastConsumerChangeDate:

Meter Malfunction Exemption Number:

Meter Malfunction Exemption Expiry Date:

Legacy Meter Replacement Plan:

Defect Flag:

Defect Type:

Type: Number:

Type: Number:

House Number:

House Number Suffix:

House Number To:

House Number To Suffix:

Name: WILLIAMS

Name Suffix:

Type: ST

BROKEN HILL

State: NSW

Postcode: 2880

BUSINESS

LOW

U

L1

6.6 RM29 standing data quality report

The RM29 SDQ report includes new queries to support the LMRP.

6.6.1 LMRP\_IS\_NULL query

|             |                                                                                                                                |
|-------------|--------------------------------------------------------------------------------------------------------------------------------|
| Query ID    | LMRP_IS_NULL                                                                                                                   |
| Purpose     | Identifies BASIC or MRIM NMIs with no LMRP value. Victorian Type 5 Advanced Metering Installation (VICAMI) meters are excluded |
| Recipient   | MC                                                                                                                             |
| Delivery    | Participant Outbox every week                                                                                                  |
| Data source | CATS                                                                                                                           |
| Format      | aseXML compliant XML message with csv payload                                                                                  |

## Output

| H row         | D row example | MSATS Standing Data element name | Description                                                                                   |
|---------------|---------------|----------------------------------|-----------------------------------------------------------------------------------------------|
| QueryId       | LMRP_IS_NULL  | n/a                              | Query identifier                                                                              |
| Stat_Date     | 2024-07-08    | n/a                              | Query run date in the format YYYY/MM/DD                                                       |
| ParticipantId | MCPID         | Party                            | The party in CATS_NMI_PARTICIPANT_RELATIONS ID whose relationship (Role) with the NMI is MC   |
| RoleId        | RP            | Role                             | The Participant relationship (Role) with the NMI in CATS_NMI_PARTICIPANT_RELATIONS            |
| Source        | CATS          | n/a                              | [Fixed value]                                                                                 |
| Table         | n/a           | n/a                              | n/a                                                                                           |
| NMI_ID        | 20001000048   | NMI                              | NMI. This number is unique for each connection point within the NEM.                          |
| METER_SERIAL  | 2319099       | SerialNumber                     | NMI serial number                                                                             |
| SDR_KEY_3     | n/a           | n/a                              | n/a                                                                                           |
| StartDate     | 25/11/2026    | Fromdate                         | The NMI start date or start date of the record update                                         |
| EndDate       | 31/12/9999    | Todate                           | Date the record ends                                                                          |
| Field         | n/a           | n/a                              | n/a                                                                                           |
| FRMP          | FRMP          | Party                            | The party in CATS_NMI_PARTICIPANT_RELATIONS ID whose relationship (Role) with the NMI is FRMP |
| LNSP          | LNSP          | Party                            | The party in CATS_NMI_PARTICIPANT_RELATIONS ID whose relationship (Role) with the NMI is LNSP |
| MITC          | BASIC         | InstallationTypeCode             | Meter Installation Type Code                                                                  |
| LMRP          | 12-JAN-2026   | LegacyMtrReplacementPlan         | Legacy Meter Replacement Plan date                                                            |
| Defect_Flag   | Y             | Defect Flag                      | Indicates a defect exists for a given NMI                                                     |

Example

```
<CSVData>
H,QueryId,Stat_date,ParticipantId,RoleId,Source,Table,NMI_ID,METER_SERIAL,SDR_KEY_3,StartDate,EndDate,Field,FRMP,LNSP,MITC,LMRP,Defect_FlagD,LMRP_IS_NULL,2025-07-08,MYMC,RP,CATS,n/a,1234567890,20009273,,2026-11-25,2027-12-31,n/a,FRMP,LNSP,BASIC,,Y
</CSVData>
```

6.6.2 LMRP\_IN\_PAST query

|             |                                                                                      |
|-------------|--------------------------------------------------------------------------------------|
| Query ID    | LMRP_IN_PAST                                                                         |
| Purpose     | Identifies BASIC or MRIM NMIs with a LMRP date in the past and no defect is assigned |
| Recipient   | MC                                                                                   |
| Delivery    | Participant Outbox every week                                                        |
| Data source | CATS                                                                                 |
| Format      | aseXML compliant XML message with csv payload                                        |

Output

| H row         | D row example | MSATS Standing Data element name | Description                                                                                 |
|---------------|---------------|----------------------------------|---------------------------------------------------------------------------------------------|
| QueryId       | LMRP_IN_PAST  | n/a                              | Query identifier                                                                            |
| Stat_Date     | 2024-07-08    | n/a                              | Query run date in the format YYYY/MM/DD                                                     |
| ParticipantId | MCPID         | Party                            | The party in CATS_NMI_PARTICIPANT_RELATIONS ID whose relationship (Role) with the NMI is MC |
| RoleId        | RP            | Role                             | The Participant relationship (Role) with the NMI in CATS_NMI_PARTICIPANT_RELATIONS          |
| Source        | CATS          | n/a                              | Fixed value                                                                                 |
| Table         | n/a           | n/a                              | n/a                                                                                         |
| NMI_ID        | 20001000048   | NMI                              | NMI. This number is unique for each connection point within the NEM.                        |

| H row        | D row example | MSATS Standing Data element name | Description                                           |
|--------------|---------------|----------------------------------|-------------------------------------------------------|
| METER_SERIAL | 2319099       | SerialNumber                     | NMI serial number                                     |
| SDR_KEY_3    | n/a           | n/a                              | n/a                                                   |
| StartDate    | 2026-11-25    | Fromdate                         | The NMI start date or start date of the record update |
| EndDate      | 2027-12-31    | Todate                           | Date the record ends                                  |
| Field        | n/a           | n/a                              | n/a                                                   |
| FRMP         | FRMP          | Party                            | FRMP Participant ID                                   |
| LNSP         | LNSP          | Party                            | LNSP Participant ID                                   |
| MITC         | BASIC         | InstallationTypeCode             | Meter Installation Type Code                          |
| LMRP         | 12-JAN-2026   | LegacyMtrReplacementPlan         | Legacy Meter Replacement Plan date                    |
| Defect_Flag  | Y             | Defect Flag                      | Indicates a defect exists for a given NMI             |

## Example

```
<CSVData>
H,QUERYID,STAT_DATE,PARTICIPANTID,ROLEID,SOURCE,TABLE,NMI_ID,METER_SERIAL,SDR_KEY_3,STARTDATE,ENDDATE,FIELD,FRMP,LNSP,MITC,LMRP,DEFECT_FLAG
D,LMRP_IN_PAST,2025-07-29,MYMC,RP,CATS,n/a,1234567890,0647451,,2011-07-25,9999-12-31,n/a,SOLARIS,UNITED,MRIM,30-Jun-2025,
D,LMRP_IN_PAST,2025-07-29,MYMC,RP,CATS,n/a,2134567890,0648241,,2020-01-13,9999-12-31,n/a,MOMENT,UNITED,MRIM,18-Jun-2025,
</CSVData>
```

## 6.7 Meter exemptions

Meter exemptions include new exemption categories and a malfunction duration.

### 6.7.1 Meter malfunction exemption types

4 new malfunction exemption types for rectifying a meter malfunction.

| Type                        | Nature of exemption                                                                                                                                                                                                                                                                      | Timeframe to rectify                      |
|-----------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------|
| Whole Current Connected NMI | <ul style="list-style-type: none"> <li>- Faulty meter</li> <li>- Faulty comms module</li> <li>- Third party</li> </ul>                                                                                                                                                                   | 30 business days                          |
| LV CT Connected NMI         | <ul style="list-style-type: none"> <li>- Faulty meter</li> <li>- Faulty comms module</li> <li>- Faulty CT</li> <li>- CT cabling or test block</li> <li>- Third party</li> </ul>                                                                                                          | As specified by the MC                    |
| HV Connected NMI            | <ul style="list-style-type: none"> <li>- Faulty meter</li> <li>- Faulty metering unit</li> <li>- Faulty comms module</li> <li>- Faulty CT</li> <li>- Faulty VT</li> <li>- Blown fuse</li> <li>- VT CT cabling or test block</li> <li>- Marshalling box</li> <li>- Third party</li> </ul> | As specified by the MC                    |
| Family Failure              | <ul style="list-style-type: none"> <li>- Whole current meter</li> <li>- LV CT meter</li> <li>- LV current transformer</li> </ul>                                                                                                                                                         | 140 business days for whole current meter |

If the end date entered in the exemption exceeds the mandated timeframe to rectify the malfunction, the status is updated to More Info for the Participant to update.

If the status of the exemption is More Info and the required information has not been updated or received by the end date, it will be rejected.

### 6.7.2 Nature types

A breaking change to add THIRD\_PARTY nature value into the meter exemption for HV\_NMI, LV\_CT\_NMI, and WC\_NMI types. For release details, see [Release dates](#).

### 6.7.3 Meter exemption hierarchy codes

Allowable combinations of Category, Type, and Nature codes for meter exemptions.

| Code 1 - Category | Code 2 - Type | Code 3 - Nature |
|-------------------|---------------|-----------------|
| MALFUNCTION       | FAMILY        | LV_CT           |

| Code 1 - Category | Code 2 - Type | Code 3 - Nature |
|-------------------|---------------|-----------------|
| MALFUNCTION       | FAMILY        | LV_CT_METER     |
| MALFUNCTION       | FAMILY        | WC_METER        |
| MALFUNCTION       | HV_NMI        | COMMS           |
| MALFUNCTION       | HV_NMI        | CT              |
| MALFUNCTION       | HV_NMI        | FUSE            |
| MALFUNCTION       | HV_NMI        | MARSHALL_BOX    |
| MALFUNCTION       | HV_NMI        | METER           |
| MALFUNCTION       | HV_NMI        | METER_UNIT      |
| MALFUNCTION       | HV_NMI        | VT              |
| MALFUNCTION       | HV_NMI        | VT_CT_CABLE     |
| MALFUNCTION       | HV_NMI        | THIRD_PARTY     |
| MALFUNCTION       | LV_CT_NMI     | COMMS           |
| MALFUNCTION       | LV_CT_NMI     | CT              |
| MALFUNCTION       | LV_CT_NMI     | CT_CABLE        |
| MALFUNCTION       | LV_CT_NMI     | METER           |
| MALFUNCTION       | LV_CT_NMI     | THIRD_PARTY     |
| MALFUNCTION       | WC_NMI        | COMMS           |
| MALFUNCTION       | WC_NMI        | METER           |
| MALFUNCTION       | WC_NMI        | THIRD PARTY     |
| TYPE4A            | ENVIRON       | ACCESS          |
| TYPE4A            | ENVIRON       | ADMIN           |
| TYPE4A            | ENVIRON       | CUSTOMER        |
| TYPE4A            | ENVIRON       | SAFETY          |
| TYPE4A            | ENVIRON       | TECHNICAL       |
| TYPE4A            | NOALTNWK      | ACCESS          |
| TYPE4A            | NOALTNWK      | ADMIN           |

| Code 1 - Category | Code 2 - Type | Code 3 - Nature |
|-------------------|---------------|-----------------|
| TYPE4A            | NOALTNWK      | CUSTOMER        |
| TYPE4A            | NOALTNWK      | TECHNICAL       |
| TYPE4A            | NOPUBNWK      | ACCESS          |
| TYPE4A            | NOPUBNWK      | ADMIN           |
| TYPE4A            | NOPUBNWK      | TECHNICAL       |

6.7.4 MSATS web portal > Meter exemptions

For MCs creating an exemption, the Participant details interface includes the following changes:

- A **Documentation provided** checkbox indicating additional documentation has been sent to AEMO. This is available when creating an exemption or the exemption has a status of More Info.
- The NMI details section includes a substitution method field to specify the substitution method when the Substitution required value is Y.

← Create exemption

✓ NMI details added!

Participant details

Contact name

Mark Pilkington

Phone number

03 96834913

Email address

msats.test@aemo.com.au

Exemption details

Exemption category\*

Exemption type\*

Nature of exemption\*

Action taken\*

Date first aware of the issue\*

18/03/2025

Exemption end date\*

18/03/2025

Documentation Provided

☒

NMI details

Edit

| NMI* ↑↓    | Planned fix date* ↑↓ | Substitution required ↑↓ | Substitution method ↑↓ |
|------------|----------------------|--------------------------|------------------------|
| 6537388811 | 18/03/2025           | N                        | 01                     |
| 6341223345 | 18/03/2025           | Y                        | 02                     |

« < 1 > »

6.7.5 Meter exemptions API

The ~~Submit Meter Exemption request payload and the Get Meter Exemption Details responses~~Meter Exemptions API includes s new and updated fields.

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| <u>Field</u>                                                         | <u>Data type</u> | <u>Mandatory</u>   | <u>Description</u>                                                                                                                                                                                                                        | <u>Applies to</u>                                                                                                                 |
|----------------------------------------------------------------------|------------------|--------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------|
| <u>docProvided</u>                                                   | <u>string</u>    | <u>Conditional</u> | <u>Documentation is sent after creating or updating an exemption. Values are Y or N</u>                                                                                                                                                   | <u>- <a href="#">Submit Meter Exemption request payload</a></u><br><u>- <a href="#">Get Meter Exemption Details responses</a></u> |
| <u>substitutionMethod (JSON)</u><br><u>SUBSTITUTION_METHOD (csv)</u> | <u>string</u>    | <u>Conditional</u> | <u>The substitution method when the substitutionReq is Y. It must be provided when substitutionReq is Y</u>                                                                                                                               | <u>- <a href="#">Submit Meter Exemption request payload</a></u><br><u>- <a href="#">Get Meter Exemption Details responses</a></u> |
| <u>payloadResponseMessage</u>                                        | <u>string</u>    | <u>n/a</u>         | <u>An updated exemption summary when creating or updating a meter exemption. It includes:</u><br><br><u>- <a href="#">NMI submitted</a></u><br><u>- <a href="#">Total NMIs in the exemption</a></u><br><u>- <a href="#">Live NMIs</a></u> | <u><b>Submit Meter Exemption 200 response</b></u>                                                                                 |

| <u>Field</u>                                                         | <u>Data type</u> | <u>Mandatory</u>   | <u>Description</u>                                                                                          |
|----------------------------------------------------------------------|------------------|--------------------|-------------------------------------------------------------------------------------------------------------|
| <u>docProvided</u>                                                   | <u>string</u>    | <u>Conditional</u> | <u>Documentation is sent after creating or updating an exemption</u>                                        |
| <u>substitutionMethod (JSON)</u><br><u>SUBSTITUTION_METHOD (csv)</u> | <u>string</u>    | <u>Conditional</u> | <u>The substitution method when the substitutionReq is Y. It must be provided when substitutionReq is Y</u> |

Submit meter exemption

The Documentation provided field is added to first part of the payload request containing the meter exemptions details. The Substitution method is added in the second part of the JSON or csv payload containing the meter exemption NMIs, shown in the examples below.

### Meter exemption details payload example

```
{
  "meterExemption": {
    "exemptionDate": "2022-08-12",
    "endDate": "2022-09-06",
    "exemptionCategory": "MALFUNCTION"
    "exemptionType": "DEFECTIVE"
    "exemptionNature": "ACCESS"
    "actionTaken": "Issue logged with Telstra. Fix ETA
13/10/2022"
    "actionReason": "Checked communications"
    "conditions": "XYZ",
    "docProvided": "Y"
  }
}
```

### Meter exemptions NMIs JSON payload example

```
{
  "meterExemptionNMIs": [
    {
      "action": "NEW"
      "NMI": "1234567890",
      "planDate": "2022-08-06",
      "substitutionReq": "Y",
      "substitutionMethod": "01"
    }
  ]
}
```

### Meter exemptions NMIs csv payload example

```
C, PRODUCTION, METER_EXEMPTION_NMI, POWERCOR, NEMMCO, 2022/04/07, 22:04:05, ,
, NEM, 0
I, MEN, ACTION, NMI, PLAN_DATE, SUBSTITUTION_REQ, SUBSTITUTION_METHOD
D, MEN, NEW, 1234567890, 2023/08/06, Y, 01
C, END OF REPORT, 4
```

### Get meter exemption details

The new fields are included in the response when requesting metering exemption details by meterExemptionId, shown in the example below.

```

{
  "transactionId": "12345-abcd-27",
  "data": {
    "participantContact": {
      "contactName": "John Smith",
      "phoneNumber": "0123456789",
      "email": "john.smith@company.com"
    }
  }
  "meterExemption": {
    "meterExemptionid": "123456789012345",
    "participantId": "ENERGYCOMC",
    "startDate": "2026-08-06",
    "endDate": "2026-09-06",
    "status": "ACTIVE",
    "statusDate": "2026-08-06",
    "exemptionDate": "2026-08-12",
    "exemptionCategory": "MALFUNCTION",
    "exemptionType": "DEFECTIVE",
    "exemptionNature": "ACCESS",
    "actionTaken": "Issue logged with Telstra. Fix ETA
13/10/2026",
    "actionReason": "Checked communications",
    "conditions": "This exemption is conditional on receipt of
a plan for
the rectification of the metering installation containing the
matters referred to in section 3.2 of the Exemption Procedure -
Metering Installation Malfunctions",
    "docProvided": "Y",
    "extendCount": "1"
  }
  "meterExemptionHistory": [
    {
      "status": "MORE DATA",
      "statusDate": "2026-07-01",
      "conditions": "This exemption is conditional on
receipt of a plan for
the rectification of the metering installation containing the
matters referred to in section 3.2 of the Exemption Procedure -
Metering Installation Malfunctions"
    }
  ]
  "meterExemptionNMIs": [
    {
      "NMI": "1234567890",
      "status": "NEW",
      "planDate": "2026-08-06",
      "substitutionReq": "Y",
      "substitutionMethod": "01",
      "statusMessage": "XYZ"
    }
  ]
}

```

**Submit meter exemption 200 response**

The payloadResponseMessage field provides an updated summary of the meter exemption:

- NMIs submitted: The value can be zero when the meter exemption is being updated.
- Total NMIs in the exemption: The value can include duplicate NMIs. It represents the NMI row count rather than a unique NMI count.
- Live NMIs: The number of NMIs in an ACTIVE or NEW status.

```
{
  "transactionId": "string",
  "data": {
    "meterExemptionId": "123456789012345",
    "meterExemptionStatus": "REVIEW",
    "payloadResponseStatus": "Accept",
    "payloadResponseMessage": "NMIs submitted: 3 Total NMIs in the exemption: 3 Live NMIs in the exemption: 0"
  }
}
```

**6.7.6 Validation rules**

AEMO validates all NMIs when processing the metering exemption request and associated NMIs at different stages of the processing workflow. The following table describes the validation and rejection reason.

**Validations after meter exemption creation**

The table below describes validations after a meter exemption is created.

| <u>Validation</u>                                                      | <u>Status</u>                        | <u>Reason</u>                    |
|------------------------------------------------------------------------|--------------------------------------|----------------------------------|
| <u>Requesting participant is not the active RP (MC) for the NMI</u>    | <u>NMI status is set to Rejected</u> | <u>Participant is not the MC</u> |
| <u>NMI does not exist in MSATS</u>                                     | <u>NMI status is set to Rejected</u> | <u>Unknown NMI</u>               |
| <u>NMI has a status of X (extinct) in the NMI standing data</u>        | <u>NMI status is set to Rejected</u> | <u>Extinct NMI</u>               |
| <u>NMI has a status of N (non market) in the NMI standing data</u>     | <u>NMI status is set to Rejected</u> | <u>Non-market NMI</u>            |
| <u>NMI is assigned to another exemption in an Active or New status</u> | <u>NMI status is set to Rejected</u> | <u>NMI is already exempt</u>     |

| <u>Validation</u>                                    | <u>Status</u>                              | <u>Reason</u>                                 |
|------------------------------------------------------|--------------------------------------------|-----------------------------------------------|
| <u>The NMI is excluded without any error message</u> | <u>NMI status is set to Rejected</u>       | <u>Duplicate NMI within an exemption list</u> |
| <u>Exemption is rejected</u>                         | <u>Exemption status is set to Rejected</u> | <u>All assigned NMIs are rejected</u>         |

### Validations for exemptions in review

The following table describes validations when processing exemptions in the For Review status.

| <u>Validation</u>                                                                                                                         | <u>Exemption request status</u> | <u>Reason</u>                                                                                                                                                                                                                                                                   |
|-------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <u>The substitution method is not provided</u>                                                                                            | <u>More Info</u>                | <u>Substitution Required value is Y, but the Substitution Method is not provided</u>                                                                                                                                                                                            |
| <u>The NMI has previously been exempted for the same exemption category and exemption type for the same MC within a configured period</u> | <u>Rejected</u>                 | <u>Previously exempt NMIs for the same exemption category and type</u>                                                                                                                                                                                                          |
| <u>Reject NMIs that recently had an exemption</u>                                                                                         | <u>Rejected</u>                 | <u>An extension is not allowed for:</u> <ul style="list-style-type: none"> <li>- <u>FAMILY type if the NMI is previously exempt in the last 365 days</u></li> <li>- <u>LV CT NMI, LV CT NMI, or WC NMI types if the NMI is previously exempt in the last 62 days</u></li> </ul> |
| <u>The NMI has a CT exemption type and the active metering installation does not have current ratio values</u>                            | <u>Rejected</u>                 | <u>Current ratio values are not populated for the NMI in the exemption</u>                                                                                                                                                                                                      |
| <u>The NMI has an HV exemption type and the active metering installation does not have current ratio and voltage ratio values</u>         | <u>Rejected</u>                 | <u>Current ratio and voltage ratio values are not populated for the NMI in the exemption</u>                                                                                                                                                                                    |
| <u>NMI action provided is not valid for Meter Exemption status</u>                                                                        | <u>Rejected</u>                 | <u>Invalid meter exemption NMI Action</u>                                                                                                                                                                                                                                       |

### Automated processing validations

| <u>Validation</u>                               | <u>Exemption request status</u> | <u>Reason</u>                                                                                                       |
|-------------------------------------------------|---------------------------------|---------------------------------------------------------------------------------------------------------------------|
| <u>Exemption includes NMI with invalid MITC</u> | <u>For Review</u>               | <u>The NMI's Meter Installation Type Code (MITC) is COMMS1, COMMS2, COMMS3, COMMS4, COMMS8, COMMS9, or COMMS9CM</u> |

| <u>Validation</u>                                                                     | <u>Exemption request status</u> | <u>Reason</u>                                                                                                                                      |
|---------------------------------------------------------------------------------------|---------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------|
| <u>Exemption includes Participant ID flags to not allow automated processing</u>      | <u>For Review</u>               | <u>AEMO to manually review exemptions for certain Participant IDs</u>                                                                              |
| <u>The exemption's end date exceeds the duration for the automated exemption type</u> | <u>More Info</u>                | <u>Family Failure exemptions can have an extension for 70 business days. Individual NMIs can have a 15-day extension</u>                           |
| <u>An exemption with More Info status is not updated within 25 calendar days</u>      | <u>Rejected</u>                 | <u>The exemption is not updated in the required timeframe</u>                                                                                      |
| <u>The exemption is sent for an extension</u>                                         | <u>Rejected</u>                 | <u>An extension is not allowed for meter malfunctions for FAMILY, WC_NMI, LV_CT_NMI types, and HV_NMI types with COMMS and METER nature values</u> |
| <u>The exemption is automatically approved</u>                                        | <u>Active</u>                   | <u>The exemption matches the required category, type, and nature values</u>                                                                        |

## 87\_ROLR Reports

### 8.17.1 Process

The ROLR report delivery process is changing from email to files delivered as a .zip file to the Participant File Server Outbox.

To receive ROLR report notifications, you set Participant Outbox protocol for the CATS transaction group to API or FTP.

For information about changing your outbox protocol, see [Change your outbox protocol](#) in Markets Portal Help.

### 8.27.2 C10 ROLR reports

|                       |                                                                                                                                                                                                                                                                              |
|-----------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Purpose</b>        | <p>The C10 ROLR reports:</p> <ul style="list-style-type: none"> <li>- Identifies NMIs and associated CRs impacted by a ROLR event.</li> <li>- Provides data to participants, AER, and ESC about suspended retailers (SR) and the NMIs transitioning to new FRMPs.</li> </ul> |
| <b>Content</b>        | See report queries                                                                                                                                                                                                                                                           |
| <b>Request</b>        | Triggered by a ROLR event. Not available on request                                                                                                                                                                                                                          |
| <b>Delivery</b>       | Participant Outbox                                                                                                                                                                                                                                                           |
| <b>Context type</b>   | ROLR NMI details                                                                                                                                                                                                                                                             |
| <b>Priority</b>       | High                                                                                                                                                                                                                                                                         |
| <b>Role</b>           | FRMP, LNSP, SR, MDP, and other impacted roles                                                                                                                                                                                                                                |
| <b>Format</b>         | Zipped aseXML compliant XML message with csv payload. The payload consists of C (comment), I (information), and D (data) rows. For help, see <a href="#">CSV Data Format Standard</a>                                                                                        |
| <b>File Row limit</b> | 20,000                                                                                                                                                                                                                                                                       |
| <b>Schema version</b> | r44                                                                                                                                                                                                                                                                          |
| <b>User rights</b>    | n/a                                                                                                                                                                                                                                                                          |

### 8.2.17.2.1 Output

The report output data is available in 2 formats: NMI list and CRs. The following table lists and describes the query output fields for all reports.

| Field              | Description                                 | csv row |
|--------------------|---------------------------------------------|---------|
| MSATS              | System                                      | C       |
| ROLR               | Report                                      | C       |
| NMI_LIST           | ROLR report type                            | C       |
| NEMMCO             | The report sender                           | C       |
| Recipient          | Participant ID of the report recipient      | C       |
| Date               | Date the report is sent                     | C       |
| Time               | Time the report is sent                     | C       |
| Recipient          | The participant receiving the report        | I       |
| Recipient_Role     | The participant's role                      | I       |
| Source             | The source of data (CATS)                   | I       |
| Table              | n/a                                         | I       |
| Request_Id         | The unique identifier for the request       | I       |
| Nmi                | National Meter Identifier                   | I       |
| Proposed_Date      | The proposed date of the Change Request     | I       |
| Rolr_Date          | The ROLR event date                         | I       |
| Suspended_Retailer | The FRMP that is suspended                  | I       |
| CrCode             | The change request code                     | I       |
| CrStatusCode       | The Change Request status code              | I       |
| CrRaisedBy         | The entity that raised the CR               | I       |
| SrRole             | The suspended retailer role                 | I       |
| RoleChange         | The change in role in the Change Request    | I       |
| CurrentParticipant | The current participant who manages the NMI | I       |
| NewParticipant     | The new participant nominated into the role | I       |

| Field         | Description                                                                                                                    | csv row |
|---------------|--------------------------------------------------------------------------------------------------------------------------------|---------|
| NmiStatusCode | The status code of the NMI                                                                                                     | I       |
| NmiClassCode  | The class code of the NMI                                                                                                      | I       |
| New_Retailer  | Participant ID of the new FRMP taking over the NMI during or after the ROLR event                                              | I       |
| Tnicode       | The Transmission Network Identifier                                                                                            | I       |
| Lnsnp         | Local Network Service Provider                                                                                                 | I       |
| Profile_Area  | The Profile Area associated with the NMI                                                                                       | I       |
| Parent_Nmi    | The parent NMI                                                                                                                 | I       |
| Child_Nmi     | An NMI associated with the parent NMI. The values are Y or N indicating the whether the NMI is a child NMI                     | I       |
| Sum_Adl       | Summed Accumulated Daily Load (ADL). Aggregates the ADL values from active datastreams only. Reactive datastreams are excluded | I       |

### 8.2.27.2.2 Raised change request

|                     |                                                                                                                                                                                                                                                                             |
|---------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Purpose</b>      | The ROLR Raised CR report lists in progress Change Requests submitted by the SR that modify a Participant's role, excluding changes to the FRMP or LR roles                                                                                                                 |
| <b>QueryIds</b>     | There are 2 variants: <ul style="list-style-type: none"> <li>- ROLR_CR_RAISED_LNSP</li> <li>- ROLR_CR_RAISED_PA</li> </ul>                                                                                                                                                  |
| <b>I row fields</b> | I,SDR_RESULTS,QueryId,Record_Version,Stat_Date,Recipient,Recipient_Role,Source,Table,Request_Id,Nmi,Not_Used,Proposed_Date,Rolr_Date,Field,Suspended_Retailer,CrCode,CrStatusCode,CrRaisedBy,SrRole,RoleChange,CurrentParticipant,NewParticipant,NmiStatusCode,NmiClassCode |
| <b>Recipients</b>   | Suspended Retailer (SR) and new FRMP                                                                                                                                                                                                                                        |

### Example

```
<?xml version="1.0" ?>
<ase:aseXML xmlns:ase="urn:aseXML:r46"
xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
```

```

xsi:schemaLocation="urn:aseXML:r46
http://www.nemmco.com.au/aseXML/schemas/r46/aseXML_r46.xsd">
  <Header>
    <From description="Australian Energy Market Operator
Limited">NEMMCO</From>
    <To description="Participant Id">PART_ID</To>
    <MessageID>NEMMCO-MSG-1341612311</MessageID>
    <MessageDate>2025-08-21T14:36:35+10:00</MessageDate>
    <TransactionGroup>CATS</TransactionGroup>
    <Priority>Medium</Priority>
    <SecurityContext>NEMMCOBATCH</SecurityContext>
    <Market>NEM</Market>
  </Header>
  <Transactions>
    <Transaction transactionID="CATS-3148417623"
transactionDate="2025-08-21T14:36:35+10:00"
initiatingTransactionID="273530839">
      <ReportResponse version="r39">
        <ReportParameters xsi:type="ase:GenericReportParameters">
          <ReportName>ROLR Raised CR</ReportName>
        </ReportParameters>
      </ReportResponse>
    </Transaction>
  </Transactions>
  <ResultBlock>
    <TotalBlockNumber>1</TotalBlockNumber>
    <CurrentBlockNumber>1</CurrentBlockNumber>
  </ResultBlock>
  <ReportResults xsi:type="ase:CSVReportFormat">
    <CSVData>C,MSATS,ROLR_RAISED_CR,NEMMCO,PART_ID,2025/08/21,14:36:12
I,SDR_RESULTS,QueryId,Record_Version,Stat_Date,Recipient,Recipient_Rol
e,Source,Table,Request_Id,Nmi,Not_Used,Proposed_Date,Rolr_Date,Field,S

```

```

uspended_Retailer,CrCode,CrStatusCode,CrRaisedBy,SrRole,RoleChange,CurrentParticipant,NewParticipant,NmiStatusCode,NmiClassCode
D,SDR_RESULTS,ROLR_CR_RAISED_PA,2,2025-08-
21,PART_ID,FRMP,CATS,n/a,1441272353,9999001300,,2025-07-26,2025-08-
05,n/a,SUSP_PART,6800,PEND,NEMMCO,SR,MPB,CURR_PART,NEW_PART,A,SMALL
D,SDR_RESULTS,ROLR_CR_RAISED_PA,2,2025-08-
21,PART_ID,FRMP,CATS,n/a,1441272354,9999001300,,2025-07-26,2025-08-
05,n/a,SUSP_PART,6200,PEND,NEMMCO,SR,MDP,CURR_PART,NEW_PART,A,SMALL
D,SDR_RESULTS,ROLR_CR_RAISED_PA,2,2025-08-
21,PART_ID,FRMP,CATS,n/a,1441310691,9999239864,,2025-08-22,2025-08-
05,n/a,SUSP_PART,6800,REQ,NEMMCO,SR,MPB,CURR_PART,NEW_PART,A,SMALL
D,SDR_RESULTS,ROLR_CR_RAISED_PA,2,2025-08-
21,PART_ID,FRMP,CATS,n/a,1441310692,9999239864,,2025-08-22,2025-08-
05,n/a,SUSP_PART,6200,REQ,NEMMCO,SR,MDP,CURR_PART,NEW_PART,A,SMALL
C,END OF REPORT,7</CSVData>
</ReportResults>
<Event severity="Information">
  <Code>0</Code>
  <Explanation>Success.</Explanation>
</Event>
</ReportResponse>
</Transaction>
</Transactions>
</ase:aseXML>

```

### 8.2.37.2.3 Cancel change request

|                     |                                                                                                                                                                                                                                                                             |
|---------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Purpose</b>      | A list of all in progress CRs where the SR is nominated as the new FRMP. The proposed date is on or after the ROLR effective date<br><br>AEMO cancels the listed CRs                                                                                                        |
| <b>QueryId</b>      | ROLR_CANCEL_CR                                                                                                                                                                                                                                                              |
| <b>I row fields</b> | I,SDR_RESULTS,QueryId,Record_Version,Stat_Date,Recipient,Recipient_Role,Source,Table,Request_Id,Nmi,Not_Used,Proposed_Date,Rolr_Date,Field,Suspended_Retailer,CrCode,CrStatusCode,CrRaisedBy,SrRole,RoleChange,CurrentParticipant,NewParticipant,NmiStatusCode,NmiClassCode |
| <b>Recipients</b>   | LNSP/ENM, current FRMP, and SR                                                                                                                                                                                                                                              |

## Example

```
<?xml version="1.0" ?>
<ase:aseXML xmlns:ase="urn:aseXML:r46"
xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
xsi:schemaLocation="urn:aseXML:r46
http://www.nemmco.com.au/aseXML/schemas/r46/aseXML_r46.xsd">
  <Header>
    <From description="Australian Energy Market Operator
Limited">NEMMCO</From>
    <To description="Participant Id">PART_ID</To>
    <MessageID>NEMMCO-MSG-1341604131</MessageID>
    <MessageDate>2025-08-18T13:57:45+10:00</MessageDate>
    <TransactionGroup>CATS</TransactionGroup>
    <Priority>Medium</Priority>
    <SecurityContext>NEMMCOBATCH</SecurityContext>
    <Market>NEM</Market>
  </Header>
  <Transactions>
    <Transaction transactionID="CATS-3148405871"
transactionDate="2025-08-18T13:57:45+10:00"
initiatingTransactionID="273530802">
      <ReportResponse version="r39">
        <ReportParameters xsi:type="ase:GenericReportParameters">
          <ReportName>ROLR Cancel CR</ReportName>
        </ReportParameters>
      </ReportResponse>
    </Transaction>
  </Transactions>
  <ResultBlock>
    <TotalBlockNumber>1</TotalBlockNumber>
    <CurrentBlockNumber>1</CurrentBlockNumber>
  </ResultBlock>
  <ReportResults xsi:type="ase:CSVReportFormat">
    <CSVData>C,MSATS,ROLR_CANCEL_CR,NEMMCO,PART_ID,2025/08/18,13:57:31
I,SDR_RESULTS,QueryId,Record_Version,Stat_Date,Recipient,Recipient_Rol
e,Source,Table,Request_Id,Nmi,Not_Used,Proposed_Date,Rolr_Date,Field,S
```

```
uspended_Retailer,CrCode,CrStatusCode,CrRaisedBy,SrRole,RoleChange,CurrentParticipant,NewParticipant,NmiStatusCode,NmiClassCode
D,SDR_RESULTS,ROLR_CR_CANCEL,2,2025-08-
18,PART_ID,FRMP,CATS,n/a,1441310643,9999001081,,2025-08-18,2025-08-
05,n/a,SUSP_PART,1000,REQ,NEMMCO,FRMP,FRMP,CURR_PART,NEW_PART,A,SMALL
C,END OF REPORT,4</CSVData>
    </ReportResults>
    <Event severity="Information">
      <Code>0</Code>
      <Explanation>Success.</Explanation>
    </Event>
  </ReportResponse>
</Transaction>
</Transactions>
</ase:aseXML>
```

8.2.47.2.4 Accelerated change request

|              |                                                                                                                                                                                                                                                                                                            |
|--------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Purpose      | <p>The ROLR Accelerated Change Request (CR) report lists all in progress CRs where the NMI is being transferred from the SR to the new FRMP or</p> <p>AEMO updates the change date on these CRs to match the RoLR effective date. Completing each CR transfers the pending retailer on that same date.</p> |
| QueryId      | ROLR_ACCELERATE_CR                                                                                                                                                                                                                                                                                         |
| I row fields | SDR_RESULTS,QueryId,Record_Version,Stat_Date,Recipient,Recipient_Role,Source,Table,Request_Id,Nmi,Not_Used,Proposed_Date,Rolr_Date,Field,Suspended_Retailer,CrCode,CrStatusCode,CrRaisedBy,SrRole,RoleChange,CurrentParticipant,NewParticipant,NmiStatusCode,NmiClassCode                                  |
| Recipients   | SR, LNSP/ENM, new FRMP, and MDP                                                                                                                                                                                                                                                                            |

Example

```
<?xml version="1.0" ?>
<ase:aseXML xmlns:ase="urn:aseXML:r46"
xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance">
```

```
xsi:schemaLocation="urn:aseXML:r46
http://www.nemmco.com.au/aseXML/schemas/r46/aseXML_r46.xsd">
  <Header>
    <From description="Australian Energy Market Operator
Limited">NEMMCO</From>
    <To description="Participant Id">PART_ID</To>
    <MessageID>NEMMCO-MSG-1341612303</MessageID>
    <MessageDate>2025-08-21T14:34:02+10:00</MessageDate>
    <TransactionGroup>CATS</TransactionGroup>
    <Priority>Medium</Priority>
    <SecurityContext>NEMMCOBATCH</SecurityContext>
    <Market>NEM</Market>
  </Header>
  <Transactions>
    <Transaction transactionID="CATS-3148417615"
transactionDate="2025-08-21T14:34:02+10:00"
initiatingTransactionID="273530837">
      <ReportResponse version="r39">
        <ReportParameters xsi:type="ase:GenericReportParameters">
          <ReportName>ROLR Accelerated CR</ReportName>
        </ReportParameters>
      <ResultBlock>
        <TotalBlockNumber>1</TotalBlockNumber>
        <CurrentBlockNumber>1</CurrentBlockNumber>
      </ResultBlock>
      <ReportResults xsi:type="ase:CSVReportFormat">
        <CSVData>C,MSATS,ROLR_ACCELERATE_CR,NEMMCO,PART_ID,2025/08/21,14:31:15
I,SDR_RESULTS,QueryId,Record_Version,Stat_Date,Recipient,Recipient_Rol
e,Source,Table,Request_Id,Nmi,Not_Used,Proposed_Date,Rolr_Date,Field,S
uspended_Retailer,CrCode,CrStatusCode,CrRaisedBy,SrRole,RoleChange,Cur
rentParticipant,NewParticipant,NmiStatusCode,NmiClassCode
D,SDR_RESULTS,ROLR_CR_ACCELERATE,2,2025-08-
21,PART_ID,MDP,CATS,n/a,1441310689,9999239864,,2025-08-22,2025-08-
05,n/a,SUSP_PART,1000,REQ,NEMMCO,FRMP,FRMP,CURR_PART,NEW_PART,A,SMALL
C,END OF REPORT,4</CSVData>
      </ReportResults>
      <Event severity="Information">
        <Code>0</Code>
        <Explanation>Success.</Explanation>
      </Event>
    </ReportResponse>
  </Transaction>
</Transactions>
</ase:aseXML>
```

8.2.57.2.5 NMI list

|         |                                                                                       |
|---------|---------------------------------------------------------------------------------------|
| Purpose | The NMI list report provides a list of affected NMIs where the SR is the current FRMP |
|---------|---------------------------------------------------------------------------------------|

|                                 |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
|---------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Report types and queries</b> | <p>There are two report types.</p> <p>ROLR NMI List report by PA with the following queries:</p> <ul style="list-style-type: none"> <li>- ROLR_NMI_PA_SR_FRMP_CURRENT_ROLES - Lists affected NMIs for the current assigned roles where the SR is the active FRMP</li> <li>- ROLR_NMI_PA_SR_LR_NEW_LR – Lists affected NMIs for the new FRMP via the LNSP configuration where the Suspended Retailer is the active LR</li> <li>- ROLR_NMI_PA_SR_FRMP_CURRENT_ROLES - List affected NMIs for the current assigned roles where the Suspended Retailer is the active FRMP</li> <li>- ROLR_NMI_PA_SR_FRMP_NEW_FRMP - Lists affected NMIs for the new FRMP via the LNSP configuration where the Suspended Retailer is the active FRMP</li> </ul> <p>ROLR NMI List report by LNSP with the following queries:</p> <ul style="list-style-type: none"> <li>- ROLR_NMI_LNSP_SR_LR_CURRENT_ROLES - A list of affected NMIs for the current assigned roles where the Suspended Retailer is the active LR</li> <li>- ROLR_NMI_LNSP_SR_LR_NEW_LR - A list of affected NMIs for the new LR via the LNSP configuration where the Suspended Retailer is the active LR</li> <li>- ROLR_NMI_LNSP_SR_FRMP_CURRENT_ROLES - A list of affected NMIs for the current assigned roles where the Suspended Retailer is the active FRMP</li> <li>- ROLR_NMI_LNSP_SR_FRMP_NEW_FRMP - A list of affected NMIs for the new FRMP via the LNSP configuration where the Suspended Retailer is the active FRMP</li> </ul> |
| <b>I row fields</b>             | SDR_RESULTS,QueryId,Record_Version,Stat_Date,Recipient,Recipient_Role,Source,Table,Nmi,Sr_Role,Suspended_Retailer,Rolr_Date,Unused,Field,New_Retailer,Nmistatuscode,Nmiclasscode,Tnicode,Lns p,Profile_Area,Child_Nmi,Parent_Nmi,Sum_Adl,Unused                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
| <b>Recipients</b>               | SR, New FRMP, MDP, LNSP/ENM, MC, and ENLR if the SR is an ENLR. Participants receive specific queries in the report according to their role                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |

### 8.37.3 Example

The report example below shows the participant is the SR and includes the queries ROLR\_NMI\_LNSP\_SR\_FRMP\_CURRENT\_ROLES and ROLR\_NMI\_LNSP\_SR\_LR\_CURRENT\_ROLES.

```
<?xml version="1.0" encoding="UTF-8"?><ase:aseXML
xmlns:ase="urn:aseXML:r44"
xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
xsi:schemaLocation="urn:aseXML:r44
```

```

http://www.nemmco.com.au/aseXML/schemas/r44/aseXML_r44.xsd"><!--This
file is the result of transformation from r46 to r44-->
  <Header>
    <From description="Australian Energy Market Operator
Limited">NEMMCO</From>
    <To description="Onsite Energy Solutions Pty Ltd">OES</To>
    <MessageID>NEMMCO-MSG-1341656429</MessageID>
    <MessageDate>2025-09-05T14:22:13+10:00</MessageDate>
    <TransactionGroup>CATS</TransactionGroup>
    <Priority>Medium</Priority>
    <SecurityContext>NEMMCOBATCH</SecurityContext>
    <Market>NEM</Market>
  </Header>
  <Transactions>
    <Transaction transactionID="CATS-3148483162"
transactionDate="2025-09-05T14:22:13+10:00"
initiatingTransactionID="273530918">
      <ReportResponse version="r39">
        <ReportParameters xsi:type="ase:GenericReportParameters">
          <ReportName>ROLR NMI List</ReportName>
        </ReportParameters>
      </ReportResponse>
    </Transaction>
  </Transactions>
  <ResultBlock>
    <TotalBlockNumber>1</TotalBlockNumber>
    <CurrentBlockNumber>1</CurrentBlockNumber>
  </ResultBlock>
  <ReportResults xsi:type="ase:CSVReportFormat">
    <CSVData>C,MSATS,ROLR_NMI_LIST,NEMMCO,OES,2025/09/05,14:14:20
I,SDR_RESULTS,QueryId,Record_Version,Stat_Date,Recipient,Recipient_Rol
e,Source,Table,Nmi,Sr_Role,Suspended_Retailer,Rolr_Date,Unused,Field,N

```

```

ew_Retailer,Nmistatuscode,Nmiclasscode,Tnicode,Lnsp,Profile_Area,Child
_Nmi,Parent_Nmi,Sum_Adl,Unused
D,SDR_RESULTS,ROLR_NMI_LNSP_SR_FRMP_CURRENT_ROLES,2,2025-09-
05,OES,FRMP,CATS,n/a,2002589342,FRMP,OES,2025-09-
01,,n/a,POWERCOR,A,SMALL,SJP1,UMPLP,UMPLP,N,N,12,
D,SDR_RESULTS,ROLR_NMI_LNSP_SR_FRMP_CURRENT_ROLES,2,2025-09-
05,OES,FRMP,CATS,n/a,2002589594,FRMP,OES,2025-09-
01,,n/a,POWERCOR,A,SMALL,SJP1,UMPLP,UMPLP,N,N,12,
D,SDR_RESULTS,ROLR_NMI_LNSP_SR_FRMP_CURRENT_ROLES,2,2025-09-
05,OES,FRMP,CATS,n/a,2002589628,FRMP,OES,2025-09-
01,,n/a,POWERCOR,A,SMALL,SJP1,UMPLP,UMPLP,N,N,12,
D,SDR_RESULTS,ROLR_NMI_LNSP_SR_FRMP_CURRENT_ROLES,2,2025-09-
05,OES,FRMP,CATS,n/a,2002589686,FRMP,OES,2025-09-
01,,n/a,POWERCOR,A,SMALL,SJP1,UMPLP,UMPLP,N,N,12,
D,SDR_RESULTS,ROLR_NMI_LNSP_SR_FRMP_CURRENT_ROLES,2,2025-09-
05,OES,FRMP,CATS,n/a,2002589820,FRMP,OES,2025-09-
01,,n/a,POWERCOR,A,SMALL,SJP1,UMPLP,UMPLP,N,N,12,
D,SDR_RESULTS,ROLR_NMI_LNSP_SR_FRMP_CURRENT_ROLES,2,2025-09-
05,OES,FRMP,CATS,n/a,2002590080,FRMP,OES,2025-09-
01,,n/a,POWERCOR,A,SMALL,SJP1,UMPLP,UMPLP,N,N,12,
D,SDR_RESULTS,ROLR_NMI_LNSP_SR_FRMP_CURRENT_ROLES,2,2025-09-
05,OES,FRMP,CATS,n/a,2002590572,FRMP,OES,2025-09-
01,,n/a,POWERCOR,A,SMALL,SJP1,UMPLP,UMPLP,N,N,12,
D,SDR_RESULTS,ROLR_NMI_LNSP_SR_FRMP_CURRENT_ROLES,2,2025-09-
05,OES,FRMP,CATS,n/a,2002590780,FRMP,OES,2025-09-
01,,n/a,POWERCOR,A,SMALL,SJP1,UMPLP,UMPLP,N,N,12,
D,SDR_RESULTS,ROLR_NMI_LNSP_SR_FRMP_CURRENT_ROLES,2,2025-09-
05,OES,FRMP,CATS,n/a,2002591042,FRMP,OES,2025-09-
01,,n/a,POWERCOR,A,SMALL,SJP1,UMPLP,UMPLP,N,N,12,
D,SDR_RESULTS,ROLR_NMI_LNSP_SR_FRMP_CURRENT_ROLES,2,2025-09-
05,OES,FRMP,CATS,n/a,2002591489,FRMP,OES,2025-09-
01,,n/a,POWERCOR,A,SMALL,SJP1,UMPLP,UMPLP,N,N,1,
D,SDR_RESULTS,ROLR_NMI_LNSP_SR_FRMP_CURRENT_ROLES,2,2025-09-
05,OES,FRMP,CATS,n/a,4311195657,FRMP,OES,2025-09-
01,,n/a,POWERCOR,A,LARGE,NHLD,INTEGP,INTEGRAL,N,Y,4560,
D,SDR_RESULTS,ROLR_NMI_LNSP_SR_FRMP_CURRENT_ROLES,2,2025-09-
05,OES,FRMP,CATS,n/a,6407208532,FRMP,OES,2025-09-
01,,n/a,PULSE,A,SMALL,VTS4,UNITED,UNITED,N,N,56,
D,SDR_RESULTS,ROLR_NMI_LNSP_SR_FRMP_CURRENT_ROLES,2,2025-09-
05,OES,FRMP,CATS,n/a,SAAAAAB328,FRMP,OES,2025-09-
01,,n/a,POWERCOR,A,SMALL,SJP1,UMPLP,UMPLP,N,N,36,
D,SDR_RESULTS,ROLR_NMI_LNSP_SR_FRMP_CURRENT_ROLES,2,2025-09-
05,OES,FRMP,CATS,n/a,SAAAAAC258,FRMP,OES,2025-09-
01,,n/a,POWERCOR,A,SMALL,SKLB,UMPLP,UMPLP,N,N,103,
D,SDR_RESULTS,ROLR_NMI_LNSP_SR_FRMP_CURRENT_ROLES,2,2025-09-
05,OES,FRMP,CATS,n/a,SAAAAAD339,FRMP,OES,2025-09-
01,,n/a,POWERCOR,A,SMALL,SJP1,UMPLP,UMPLP,N,N,2,
D,SDR_RESULTS,ROLR_NMI_LNSP_SR_FRMP_CURRENT_ROLES,2,2025-09-
05,OES,FRMP,CATS,n/a,SAAAAAE470,FRMP,OES,2025-09-
01,,n/a,POWERCOR,A,SMALL,SJP1,UMPLP,UMPLP,N,N,24,
I,SDR_RESULTS,
QueryId,Record_Version,Stat_Date,Recipient,Recipient_Role,Source,Table
,Nmi,Sr_Role,Suspended_Retailer,Rolr_Date,Unused,Field,New_Retailer,Nm

```

```
istatuscode,Nmiclasscode,Tnicode,Lnsp,Profile_Area,Child_Nmi,Parent_Nm
i,Sum_Adl,Unused
D,SDR_RESULTS,ROLR_NMI_LNSP_SR_LR_CURRENT_ROLES,2,2025-09-
05,OES,LR,CATS,n/a,4319900218,LR,OES,2025-09-
01,,n/a,Unknown,A,LARGE,NHLD,INTELENM,INTEGRAL,Y,N,286,
D,SDR_RESULTS,ROLR_NMI_LNSP_SR_LR_CURRENT_ROLES,2,2025-09-
05,OES,LR,CATS,n/a,4319900226,LR,OES,2025-09-
01,,n/a,Unknown,A,SMALL,NHLD,INTELENM,INTEGRAL,Y,N,44,
D,SDR_RESULTS,ROLR_NMI_LNSP_SR_LR_CURRENT_ROLES,2,2025-09-
05,OES,LR,CATS,n/a,4319900298,LR,OES,2025-09-
01,,n/a,Unknown,A,LARGE,NHLD,INTELENM,INTEGRAL,Y,N,1425,
D,SDR_RESULTS,ROLR_NMI_LNSP_SR_LR_CURRENT_ROLES,2,2025-09-
05,OES,LR,CATS,n/a,4319900303,LR,OES,2025-09-
01,,n/a,Unknown,A,LARGE,NHLD,INTELENM,INTEGRAL,Y,N,455,
C,END OF REPORT,24</CSVData>
</ReportResults>
<Event severity="Information">
  <Code>0</Code>
  <Explanation>Success.</Explanation>
</Event>
</ReportResponse>
</Transaction>
</Transactions>
</ase:aseXML>
```

8.47.4 Discontinued ROLR reports

The following ROLR reports are discontinued from 1 December 2025.

| Report number | Report name                     | Recipient                                                 |
|---------------|---------------------------------|-----------------------------------------------------------|
| ROLR_002      | RoLR/FRMP Summary Report Type B | MDP                                                       |
| ROLR_003      | RoLR/FRMP Summary Report Type C | LNSP                                                      |
| ROLR_004      | RoLR/FRMP Summary Report Type D | RoLR as the new FRMP                                      |
| ROLR_005      | RoLR/FRMP Summary Report Type D | The Suspended Retailer (SR)                               |
| ROLR_006      | RoLR/FRMP Summary Report Type E | MPB                                                       |
| ROLR_007      | RoLR/LR Summary Report Type A   | Each Jurisdiction                                         |
| ROLR_008      | RoLR/LR Summary Report Type B   | MDP                                                       |
| ROLR_009      | RoLR/LR Summary Report Type C   | LNSP                                                      |
| ROLR_010      | RoLR/LR Summary Report Type D   | Each RoLR (either as the new FRMP, as the new LR or both) |

| Report number | Report name                                                                                         | Recipient                   |
|---------------|-----------------------------------------------------------------------------------------------------|-----------------------------|
| ROLR_011      | RoLR/LR Summary Report Type D                                                                       | The Suspended Retailer (SR) |
| ROLR_012      | RoLR/LR Summary Report Type E                                                                       | Each MPB                    |
| ROLR_014      | RoLR/LR NMI List - SR is LR                                                                         | All relevant participants   |
| ROLR_027      | CRs to change FRMP still in progress for NMIs that have changed due to RoLR Event (by Jurisdiction) | Each Jurisdiction           |

## 98 FAQs

### 9.18.1 Why is AEMO updating the hazard field?

The approach for the hazard field update is still being determined.

### 9.28.2 When is the draft r46 schema be available?

24 April 2025.

### 9.38.3 How do I find the latest electricity schema?

There are two electricity schema types - B2B and B2M. You can find the latest aseXML schema in MSATS:

- B2M – In the **Participant > Participant schema** interface. See [View your B2M schema](#).
- B2B – In the **B2B Browser > Transforms and Protocol** interface. See [B2B protocols](#).

### 9.48.4 Is an aseXML schema version specific to either gas or electricity?

Yes, some versions do not apply to the gas or electricity market. Additionally, an electricity schema version can contain B2B and B2M changes, only B2B changes, or only B2M changes.

### 9.58.5 When does a participant receive the new LCCD value?

The LCCD update is an automated change triggered through specified CRs. When AEMO detects an NMI transitioning from a “Greenfield” (G) to “active” (A), a batch process is initiated to update the LCCD field. This field is in the completion notification for the Change Request.

### 9.68.6 Does the Change Request notification include the LCCD element when the NMI status updates from G to A?

The change in NMI status from greenfield (G) to active (A) is captured in the 5050/5051 Change Request. The 5050/5051 CATS notification includes the LCCD value on a COM status as shown in the example below.

```

<ChangeRequest>
  <Participant>ENGYPART</Participant>
  <RequestID>1441204352</RequestID>
  <ChangeStatusCode>COM</ChangeStatusCode>
  <ChangeData>
    <ChangeReasonCode>5051</ChangeReasonCode>
    <ActualChangeDate>2025-06-01</ActualChangeDate>
    <NMISTandingData xsi:type="ase:ElectricityStandingData"
version="r46">
      <NMI checksum="0">9990005230</NMI>
      <MasterData>
        <Status>A</Status>
        <LastConsumerChangeDate>2025-06-
01</LastConsumerChangeDate>
      </MasterData>
    </NMISTandingData>
  </ChangeData>
</ChangeRequest>

```

### **9.78.7 Why is the r46 aseXML schema being released on 26 October 2025 when one of the Rules effective dates is 1 December 2025?**

To minimise impacts to all Market Participants, AEMO aims to only release one schema version per year. Participants are obligated to populate and maintain the LMRP field from 26 October 2025. Participants need to update their schema preferences to receive the LMRP values in any notifications. For help, see [Transition to aseXML](#).

The schema also includes new and updated fields to support Rule changes effective from 1 December 2025. Participants can send r46 transactions with [B2B Procedures v3.9](#) elements prior to 1 December 2025 only if supported under a bilateral agreement.

### **9.88.8 How should participants send an address with 2 house numbers and 2 house number suffixes in B2B transactions between 26 October and 1 December 2025?**

To comply with the B2B Procedures:

- From 26 October to 30 November 2025, participants can begin using aseXML r46 but must continue to use 2 instances of the BuildingOrPropertyName element (that is, maxOccurs=2) to represent primary and secondary complex names.
- From 1 December 2025, when the [B2B Procedure Technical Delivery Specification Process v3.9](#) takes effect, participants must use BuildingOrPropertyName and BuildingOrPropertyName2 to represent primary and secondary complex names.

- We plan to remove the maxOccurs=2 setting for BuildingOrPropertyName in the next schema release through the 2026 Flexible Trading Arrangements (FTA) initiative.

### **9.98.9 Have the aseXML schema enumerations for Flat Type and Street Type changed?**

No. The Enumerations.xsd schema file includes comments describing the mapping of street types of values used in MSATS to the AS4590.1:2017 address standard.

### **9.108.10 Why is the 4060 CR being created?**

The 4060 CR manages Embedded Network Child NMI datastreams. The new CR allows the MDP to prospectively activate and inactivate an existing datastream. Retrospective activation and inactivation are no longer allowed.

When creating a new Embedded Network Child NMI, the 4001 CR can still be used to retrospectively create the initial datastream. Once created, the 4060 CR maintains the datastream.

### **9.118.11 Why are Embedded Network Child NMIs only allowed to be prospectively changed?**

Retrospective changes to Embedded Network Child NMIs cause settlement anomalies, affecting the settlement of the NEM. Removing retrospective activation and inactivation of Embedded Network Child NMI Datastreams eliminates this impact.

### **9.128.12 Are other NMIs affected by the new 4060 CR?**

Existing NEM connected NMIs will still use the 4050 / 4051 CRs to retrospectively and prospectively activate NMI datastreams. The introduction of Secondary Settlements Points (SSPs) as part of the FTA Rules change does not allow retrospective datastream changes.

### **9.138.13 When do Site Defects details get removed in MSATS?**

To assist participants in maintaining the Defect Flag, Defect Type and Defect Issuing MC fields, MSATS removes the values when a CR 3004 / 3005 or 3090 / 3091 is completed, a Basic or MRIM meter is removed, and a COMMS or MRAM meter is installed.

When the Site Defect values are removed, the PEND and COM notification includes the updated fields as shown in the following example.

```
<?xml version="1.0" ?>  
<ase:aseXML xmlns:ase="urn:aseXML:r46"  
xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
```

```

xsi:schemaLocation="urn:aseXML:r46
http://www.nemmco.com.au/aseXML/schemas/r46/aseXML_r46.xsd">
  <Header>
    <From description="Australian Energy Market Operator
Limited">NEMMCO</From>
    <To description="Market Participant">MKTPART</To>
    <MessageID>NEMMCO-MSG-999112971</MessageID>
    <MessageDate>2025-03-25T02:38:08+10:00</MessageDate>
    <TransactionGroup>CATS</TransactionGroup>
    <Priority>Medium</Priority>
    <SecurityContext>NEMMCOBATCH</SecurityContext>
    <Market>NEM</Market>
  </Header>
  <Transactions>
    <Transaction transactionID="NOTF-8888980297"
transactionDate="2025-03-25T00:12:03+10:00"
initiatingTransactionID="CAT888274387">
      <CATSNotification version="r29">
        <Role>NEM</Role>
        <RoleStatus>C</RoleStatus>
      <ChangeRequest>
        <Participant>MKTPART</Participant>
        <RequestID>9991203710</RequestID>
        <ChangeStatusCode>PEND</ChangeStatusCode>
        <ChangeData>
          <ChangeReasonCode>3090</ChangeReasonCode>
          <ActualChangeDate>2025-03-24</ActualChangeDate>
          <NMIStandingData xsi:type="ase:ElectricityStandingData"
version="r46">
            <NMI checksum="7">5555449002</NMI>
            <MasterData>
              <DefectFlag xmlns:xsi="http://www.w3.org/2001/XMLSchema-
instance" xsi:nil="true"/>
              <DefectType xmlns:xsi="http://www.w3.org/2001/XMLSchema-
instance" xsi:nil="true"/>
              <DefectIssuingMC
xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance" xsi:nil="true"/>
            </MasterData>
            <DataStreams>
              <DataStream>
                <Suffix>E1</Suffix>
                <ProfileName>NOPROF</ProfileName>
                <AveragedDailyLoad>11</AveragedDailyLoad>
                <DataStreamType>Interval</DataStreamType>
                <Status>A</Status>
              </DataStream>
            </DataStreams>
            <MeterRegister>
              <Meter>
                <SerialNumber>MTR1234</SerialNumber>
                <InstallationTypeCode>MRIM</InstallationTypeCode>
                <Status>R</Status>
                <RegisterConfiguration>

```

```

        <Register>
          <RegisterID>001</RegisterID>
          <NetworkTariffCode>NAST11</NetworkTariffCode>
          <UnitOfMeasure>KWH</UnitOfMeasure>
          <TimeOfDay>INTERVAL</TimeOfDay>
          <Multiplier>1</Multiplier>
          <DialFormat>5.1</DialFormat>
          <Suffix>E1</Suffix>
          <ControlledLoad>NO</ControlledLoad>
          <ConsumptionType>Actual</ConsumptionType>
          <Status>R</Status>
        </Register>
      </RegisterConfiguration>
    </Meter>
    <Meter>
      <SerialNumber>COMMS1234</SerialNumber>
      <InstallationTypeCode>MRAM</InstallationTypeCode>
      <Use>AVERAGE</Use>
      <Manufacturer>METERMAN</Manufacturer>
      <Model>MODEL</Model>
      <Status>C</Status>
      <RegisterConfiguration>
        <Register>
          <RegisterID>E2</RegisterID>
          <NetworkTariffCode>TARABC</NetworkTariffCode>
          <UnitOfMeasure>KWH</UnitOfMeasure>
          <TimeOfDay>INTERVAL</TimeOfDay>
          <Multiplier>1</Multiplier>
          <DialFormat>6.3</DialFormat>
          <Suffix>E2</Suffix>
          <ControlledLoad>NO</ControlledLoad>
          <ConsumptionType>Actual</ConsumptionType>
          <Status>C</Status>
        </Register>
      </RegisterConfiguration>
    </Meter>
  </MeterRegister>
</NMISstandingData>
</ChangeData>
</ChangeRequest>
<JurisdictionCode>VIC</JurisdictionCode>
<NMIClassificationCode>LARGE</NMIClassificationCode>
<ObjectionEndDate>2025-03-24</ObjectionEndDate>
</CATSNotification>
</Transaction>
  <Transaction transactionID="NOTF-8888980309"
transactionDate="2025-03-25T00:12:10+10:00"
initiatingTransactionID="CAT888274387">
    <CATSNotification version="r29">
      <Role>NEM</Role>
      <RoleStatus>C</RoleStatus>
    </CATSNotification>
  </Transaction>
</ChangeRequest>
  <Participant>MARKPART</Participant>

```

```

<RequestID>9991203710</RequestID>
<ChangeStatusCode>COM</ChangeStatusCode>
<ChangeData>
  <ChangeReasonCode>3090</ChangeReasonCode>
  <ActualChangeDate>2025-03-24</ActualChangeDate>
  <NMISTandingData xsi:type="ase:ElectricityStandingData"
version="r46">
    <NMI checksum="7">5555449002</NMI>
    <MasterData>
      <DefectFlag xmlns:xsi="http://www.w3.org/2001/XMLSchema-
instance" xsi:nil="true"/>
      <DefectType xmlns:xsi="http://www.w3.org/2001/XMLSchema-
instance" xsi:nil="true"/>
      <DefectIssuingMC
xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance" xsi:nil="true"/>
    </MasterData>
    <DataStreams>
      <DataStream>
        <Suffix>E1</Suffix>
        <ProfileName>NOPROF</ProfileName>
        <AveragedDailyLoad>11</AveragedDailyLoad>
        <DataStreamType>Interval</DataStreamType>
        <Status>A</Status>
      </DataStream>
    </DataStreams>
    <MeterRegister>
      <Meter>
        <SerialNumber>MET1234</SerialNumber>
        <InstallationTypeCode>MRIM</InstallationTypeCode>
        <Status>R</Status>
        <RegisterConfiguration>
          <Register>
            <RegisterID>001</RegisterID>
            <NetworkTariffCode>TARABC</NetworkTariffCode>
            <UnitOfMeasure>KWH</UnitOfMeasure>
            <TimeOfDay>INTERVAL</TimeOfDay>
            <Multiplier>1</Multiplier>
            <DialFormat>5.1</DialFormat>
            <Suffix>E1</Suffix>
            <ControlledLoad>NO</ControlledLoad>
            <ConsumptionType>Actual</ConsumptionType>
            <Status>R</Status>
          </Register>
        </RegisterConfiguration>
      </Meter>
      <Meter>
        <SerialNumber>COMMS1234</SerialNumber>
        <InstallationTypeCode>MRAM</InstallationTypeCode>
        <Use>AVERAGE</Use>
        <Manufacturer>METERMAN</Manufacturer>
        <Model>MODEL</Model>
        <Status>C</Status>
        <RegisterConfiguration>

```

```

        <Register>
          <RegisterID>E2</RegisterID>
          <NetworkTariffCode>TARABC</NetworkTariffCode>
          <UnitOfMeasure>KWH</UnitOfMeasure>
          <TimeOfDay>INTERVAL</TimeOfDay>
          <Multiplier>1</Multiplier>
          <DialFormat>6.3</DialFormat>
          <Suffix>E2</Suffix>
          <ControlledLoad>NO</ControlledLoad>
          <ConsumptionType>Actual</ConsumptionType>
          <Status>C</Status>
        </Register>
      </RegisterConfiguration>
    </Meter>
  </MeterRegister>
</NMIStandingData>
</ChangeData>
</ChangeRequest>
<JurisdictionCode>VIC</JurisdictionCode>
<NMIClassificationCode>LARGE</NMIClassificationCode>
<ObjectionEndDate>2025-03-24</ObjectionEndDate>
</CATSNotification>
  </Transaction>
</Transactions>
</ase:aseXML>

```

### **9.148.14** Is the transition to the updated Meter Exemptions API mandatory on the 1 December 2025, and what are the changes to the fields?

Yes, the transition to the updated Meters Exemptions API is on 1 December 2025. It caters for the new malfunction exemption types, a Documentation provided field, and Substitution method field to provide the substitution method when a substitution is required. For details about the changes, see [Meter Exemptions](#).

## ~~10.9~~ Implementation

### ~~10.19.1~~ Transition

See [aseXML r46](#).

### ~~10.29.2~~ Upgrade options

#### Option 1

- Update local processes and technical interfaces to suit the changes.

#### Option 2

- If changes are irrelevant to participants' business processes and technical interfaces, ignore this release.

### ~~10.39.3~~ Implications

To maintain systems in-line with AEMO's market systems, participants need to:

- Review and assess the impact on their market systems with respect to the changes implemented as part of this Release.
- Change their systems prior to the implementation of this Release.
- Schedule staff and resources to upgrade their market systems for the production implementation of this Release.

### ~~10.49.4~~ Risks

Participants do not receive the new B2M and B2B aseXML schema fields unless they upgrade to r46.

# ~~11.10~~ Terms

## ~~11.110.1~~ Rules Terms

You can find the following terms defined in the [National Electricity Rules \(NER\)](#) and the [Settlements Residue Auction Rules](#).

| Term                      |
|---------------------------|
| AEMO                      |
| AEMO Markets Portal       |
| AEMO Website              |
| Market Participants       |
| Maximum Units             |
| NEM                       |
| Product                   |
| Region                    |
| Regional reference prices |
| Registered Participant    |

## 11.210.2 Glossary

You can find a full list of AEMO glossary terms in [Industry Terminology](#) on AEMO's website.

| Abbreviation/Term | Explanation                                                                                                                       |
|-------------------|-----------------------------------------------------------------------------------------------------------------------------------|
| AEST              | Australian Eastern Standard Time                                                                                                  |
| ADL               | Accumulated Daily Load (ADL)                                                                                                      |
| B2B               | Business-to-business                                                                                                              |
| B2M               | Business-to-market                                                                                                                |
| CT                | Current transformer                                                                                                               |
| DNSP              | Distribution Network Service Provider                                                                                             |
| ERCF              | Electricity Retail Change Forum                                                                                                   |
| EMMS              | Electricity Market Management System; software, hardware, network, and related processes to implement the wholesale energy market |
| ENM               | Embedded Network Manager                                                                                                          |
| FCAS              | Frequency Control Ancillary Services                                                                                              |
| FRMP              | Financially Responsible Market Participant                                                                                        |
| HV                | High voltage                                                                                                                      |
| ICF               | Industry Change Form                                                                                                              |
| ITWG              | IT Working Group                                                                                                                  |
| LCCD              | Last Consumer Change Date                                                                                                         |
| LNSP              | Local network service provider                                                                                                    |
| LMRP              | Legacy meter replacement plan                                                                                                     |
| LV                | Low Voltage                                                                                                                       |
| MC                | Meter Coordinator                                                                                                                 |
| MP                | Metering Provider                                                                                                                 |
| MDP               | Metering Data Provider                                                                                                            |
| MITC              | Meter Installation Type Code                                                                                                      |

| Abbreviation/Term    | Explanation                                                                                                                        |
|----------------------|------------------------------------------------------------------------------------------------------------------------------------|
| <b>MSATS</b>         | Market Settlement and Transfer Solution for retail electricity                                                                     |
| <b>MSR</b>           | Metering Services Review                                                                                                           |
| <b>MW</b>            | Megawatt                                                                                                                           |
| <b>NER</b>           | National Electricity Rules                                                                                                         |
| <b>One In All In</b> | A process where all meters on a shared fuse arrangement are upgraded at the same time                                              |
| <b>PQD</b>           | Power Quality Data. Smart meter data including volts, amps, and phase angle delivered to DNSP                                      |
| <b>Release</b>       | MSATS - Technical Specification - October 2025                                                                                     |
| <b>Release Dates</b> | Pre-production: Tuesday 2 September 2025, Tuesday 30 September 2025<br>Production: Sunday 26 October 2025, Sunday 30 November 2025 |
| <b>ROLR</b>          | Retailers of Last Resort                                                                                                           |
| <b>SR</b>            | Suspender Retailer                                                                                                                 |
| <b>TBC</b>           | To be confirmed                                                                                                                    |

## 1211 References

**Guide to AEMO's e-Hub APIs:** Provides details about using AEMO's e-Hub as an interface to communicate information with AEMO. It assists Wholesale electricity and gas participants developing their own APIs.

**Guide to Information Systems:** Provides guidance for *Registered Participants* and interested parties about AEMO's participant electricity market systems.

**Guide to User Rights Management:** Assists participant administrators (PAs) to use the user rights management functions in the MSATS Web Portal.

**Retail Electricity Market Glossary and Framework:** assist participants of the Retail Electricity Market to understand the overall framework. It also contains a list of terms used in the Retail Electricity Market Procedures and a full list of NEM procedures, guidelines, and documents.

-

# A1. aseXML r46 Files and Changes

## Schema files

### Schema Release r46

#### aseXML\_r46.xsd

Rename the changed file version to aseXML\_r46.xsd.

```
<xsd:schema xmlns="urn:aseXML:r46"
xmlns:xsd="http://www.w3.org/2001/XMLSchema"
xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
targetNamespace="urn:aseXML:r46" version="r46"
xsi:schemaLocation="urn:aseXML:r46 aseXML_r46.xsd">
<xsd:include schemaLocation="CATSTableReplication_r46.xsd">
<xsd:include schemaLocation="ClientInformation_r46.xsd">
<xsd:include schemaLocation="Common_r46.xsd">
<xsd:include schemaLocation="Electricity_r46.xsd">
<xsd:include schemaLocation="ElectricityMasterStandingData_r46.xsd"/>
<xsd:include schemaLocation="Events_r46.xsd">
<xsd:include schemaLocation="OneWayNotification_r46.xsd">
```

#### CATSTableReplication\_r46.xsd

- Update ElectricityNMIMasterRow, ElectricityNMIMasterRowBDT, and ElectricityCATSChangeRequestNMIMasterRow version attribute from r43 to r46.

```

<!-- Electricity NMI Standing Data Replication Row Types -->
  <xsd:complexType name="ElectricityNMIMasterRow">
    <xsd:annotation>
      <xsd:documentation>
Purpose - Row of the Electricity NMI Master Standing Data table
MSATS Data Model Table - CATS_NMI_Data
Replication Table Name - ElectricityNMIMaster
      </xsd:documentation>
    </xsd:annotation>
    <xsd:complexContent>
      <xsd:extension base="ReplicationDateRangeRow">
        <xsd:sequence>
          <xsd:element name="NMI" type="NMIBase"/>
          <xsd:group ref="ElectricityNMIMasterGroup"/>
        </xsd:sequence>
        <xsd:attribute name="version" type="r46"
use="optional" default="r46"/>
      </xsd:extension>
    </xsd:complexContent>
  </xsd:complexType>

<!-- BDT Row Types -->
  <xsd:complexType name="ElectricityNMIMasterRowBDT">
    <xsd:annotation>
      <xsd:documentation>
Purpose - Row of the Electricity NMI Master Standing Data table
extended by BDTStatus and Event for Bulk Data Tool
MSATS Data Model Table - CATS_NMI_Data
Replication Table Name - ElectricityNMIMaster
      </xsd:documentation>
    </xsd:annotation>
    <xsd:complexContent>
      <xsd:extension base="ReplicationDateRangeRow">
        <xsd:sequence>
          <xsd:group ref="ElectricityNMIMasterGroup"/>
          <xsd:element name="BDTStatus" type="BDTStatus"
minOccurs="0"/>
          <xsd:element name="Event" type="Event"
minOccurs="0" maxOccurs="unbounded"/>
        </xsd:sequence>
        <xsd:attribute name="version" type="r46"
use="optional" default="r46"/>
      </xsd:extension>
    </xsd:complexContent>
  </xsd:complexType>

  <xsd:complexType name="ElectricityCATSChangeRequestNMIMasterRow">
    <xsd:annotation>
      <xsd:documentation>
Purpose - Row of the Electricity CATS Change Request NMI Master
Standing Data table
MSATS Data Model Table - CATS_Inbound_NMI_Data
Replication Table Name - ElectricityCATSChangeRequestNMIMaster

```

```

        </xsd:documentation>
    </xsd:annotation>
    <xsd:complexContent>
        <xsd:extension base="ReplicationBaseRow">
            <xsd:sequence>
                <xsd:element name="RequestID"
type="CATSRequestIdentifier"/>
                <xsd:group ref="ElectricityNMIMasterGroup"/>
            </xsd:sequence>
            <xsd:attribute name="version" type="r46"
use="optional" default="r46"/>
        </xsd:extension>
    </xsd:complexContent>
</xsd:complexType>

```

- Rename the changed file version to CATSTableReplication\_r46.xsd

### ClientInformation\_r46.xsd

- Update BuildingOrPropertyName element length from 30 to 50 characters
- Update AustralianStreetName element length from 30 to 45 characters

```

<xsd:simpleType name="AustralianBuildingOrPropertyName">
    <xsd:annotation>
        <xsd:documentation>
Purpose - Define building or property name as per Australian Standard
AS4590
        </xsd:documentation>
    </xsd:annotation>
    <xsd:restriction base="xsd:string">
        <xsd:minLength value="1"/>
        <xsd:maxLength value="50"/>
    </xsd:restriction>
</xsd:simpleType>

<xsd:simpleType name="AustralianStreetName">
    <xsd:annotation>
        <xsd:documentation>
Purpose - Define street name as per Australian Standard AS4590
        </xsd:documentation>
    </xsd:annotation>
    <xsd:restriction base="xsd:string">
        <xsd:pattern value="[\p{L}\p{N}\s\-' ]{1,45}"/>
    </xsd:restriction>
</xsd:simpleType>

```

- Add BuildingOrPropertyName2 element to existing complex types  
AustralianStructuredAddressComponents and AustralianStructuredAddressPartialComponents

The maxOccurs value for BuildingOrPropertyName under AustralianStructuredAddressComponents complex type is retained for submitting two BuildingOrPropertyName values up until 30 November 2025. For more information, see [BuildingOrPropertyName element transition](#)

```

<xsd:complexType name="AustralianStructuredAddressPartialComponents">
  <xsd:sequence>
    <xsd:element name="FlatOrUnit" minOccurs="0">
      <xsd:complexType>
        <xsd:sequence>
          <xsd:element name="FlatOrUnitType"
type="AustralianFlatOrUnitType" nillable="true" minOccurs="0"/>
          <xsd:element name="FlatOrUnitNumber"
type="AustralianFlatOrUnitNumber" nillable="true" minOccurs="0"/>
        </xsd:sequence>
      </xsd:complexType>
    </xsd:element>
    <xsd:element name="FloorOrLevel" minOccurs="0">
      <xsd:complexType>
        <xsd:sequence>
          <xsd:element name="FloorOrLevelType"
type="AustralianFloorOrLevelType" nillable="true" minOccurs="0"/>
          <xsd:element name="FloorOrLevelNumber"
type="AustralianFloorOrLevelNumber" nillable="true" minOccurs="0"/>
        </xsd:sequence>
      </xsd:complexType>
    </xsd:element>
    <xsd:element name="BuildingOrPropertyName"
type="AustralianBuildingOrPropertyName" nillable="true" minOccurs="0"
maxOccurs="2" />
    <xsd:element name="BuildingOrPropertyName2"
type="AustralianBuildingOrPropertyName" nillable="true"
minOccurs="0"/>
    <xsd:element name="LocationDescriptor"
type="AustralianLocationDescriptor" nillable="true" minOccurs="0"/>
    <xsd:element name="House" minOccurs="0" maxOccurs="2">
  </xsd:complexType>

.
.
.
<xsd:complexType name="AustralianStructuredAddressComponents">
  <xsd:sequence>
    <xsd:element name="FlatOrUnit" minOccurs="0">
      <xsd:complexType>
        <xsd:sequence>
          <xsd:element name="FlatOrUnitType"
type="AustralianFlatOrUnitType" nillable="true"/>
          <xsd:element name="FlatOrUnitNumber"
type="AustralianFlatOrUnitNumber" nillable="true"/>
        </xsd:sequence>
      </xsd:complexType>
    </xsd:element>
    <xsd:element name="FloorOrLevel" minOccurs="0">
      <xsd:complexType>
        <xsd:sequence>
          <xsd:element name="FloorOrLevelType"
type="AustralianFloorOrLevelType" nillable="true"/>

```

```

                <xsd:element name="FloorOrLevelNumber"
type="AustralianFloorOrLevelNumber" nillable="true" minOccurs="0"/>
            </xsd:sequence>
        </xsd:complexType>
    </xsd:element>
    <xsd:element name="BuildingOrPropertyName"
type="AustralianBuildingOrPropertyName" nillable="true"
minOccurs="0"/>
    <xsd:element name="BuildingOrPropertyName2"
type="AustralianBuildingOrPropertyName" nillable="true"
minOccurs="0"/>
    <xsd:element name="LocationDescriptor"
type="AustralianLocationDescriptor" nillable="true" minOccurs="0"/>
    <xsd:element name="House" minOccurs="0" maxOccurs="2">
        <xsd:complexType>

```

- Rename the changed file version to ClientInformation\_r46.xsd

### Common\_r46.xsd

- Increase HazardDescription element length from 80 to 100 characters.

```

<xsd:simpleType name="HazardDescription">
    <xsd:restriction base="xsd:string">
        <xsd:maxLength value="100"/>
    </xsd:restriction>
</xsd:simpleType>

```

- Rename the changed file version to Common\_r46.xsd

### Electricity\_r46.xsd

- Add new element DefectFlag as string type with length=1

```

<xsd:simpleType name="DefectFlag">
    <xsd:annotation>
        <xsd:documentation>
Purpose - Flag to indicate if the metering coordinator encounter
customer-site defects preventing meter exchanges
        </xsd:documentation>
    </xsd:annotation>
    <xsd:restriction base="xsd:string">
        <xsd:maxLength value="1"/>
    </xsd:restriction>
</xsd:simpleType>

```

- Add new element DefectType as string type with length=15

```

<xsd:simpleType name="DefectType">
  <xsd:annotation>
    <xsd:documentation>
      Purpose - Indicates what type of customer-site defect which prevents
      meter exchanges encountered by the metering coordinator
    </xsd:documentation>
  </xsd:annotation>
  <xsd:restriction base="xsd:string">
    <xsd:maxLength value="15"/>
  </xsd:restriction>
</xsd:simpleType>

```

- Add 3 new **ServiceOrderSubType** - Install Meter Isolation Device, Temporary Isolation-Scoping Request, and Temporary Isolation-One In All In

```

<xsd:simpleType name="ServiceOrderSubType">
  <xsd:annotation>
    <xsd:documentation>Purpose - Defines a list of valid
Service Order types supported by the participants</xsd:documentation>
  </xsd:annotation>
  <xsd:restriction base="xsd:string">
    <xsd:enumeration value="After Disconnection For Non-
Payment"/>
    <xsd:enumeration value="Remove Fuse"/>
    <xsd:enumeration value="Disconnect at Pillar-Box Pit Or
Pole-Top"/>
    <xsd:enumeration value="Install Controlled Load"/>
    <xsd:enumeration value="Move Meter"/>
    <xsd:enumeration value="Install Meter"/>
    <xsd:enumeration value="Install Meter Isolation Device"/>
    <xsd:enumeration value="Remove Meter"/>
    <xsd:enumeration value="Exchange Meter"/>
    <xsd:enumeration value="Check Read"/>
    <xsd:enumeration value="Final Read"/>
    <xsd:enumeration value="Allocate NMI"/>
    <xsd:enumeration value="Establish Permanent Supply"/>
    <xsd:enumeration value="Establish Temporary Supply"/>
    <xsd:enumeration value="Establish Temporary In
Permanent"/>
    <xsd:enumeration value="Local Meter Disconnection"/>
    <xsd:enumeration value="Meter Investigation-Inspect"/>
    <xsd:enumeration value="Meter Investigation-Test"/>
    <xsd:enumeration value="Meter Reconfiguration"/>
    <xsd:enumeration value="Recipient Discretion"/>
    <xsd:enumeration value="Remote"/>
    <xsd:enumeration value="Supply Abolishment"/>
    <xsd:enumeration value="Supply Alteration"/>
    <xsd:enumeration value="Tariff Change"/>
    <xsd:enumeration value="Temporary Isolation"/>
    <xsd:enumeration value="Temporary Isolation-Group
Supply"/>
    <xsd:enumeration value="Temporary Isolation-Scoping
Request"/>
    <xsd:enumeration value="Temporary Isolation-One In All
In"/>
    <xsd:enumeration value="Change Timeswitch Settings"/>
    <xsd:enumeration value="Reseal Device"/>
    <xsd:enumeration value="Retrospective Move-in"/>
    <xsd:enumeration value="Move-in"/>
    <xsd:enumeration value="New Reading Required"/>
    <xsd:enumeration value="Physical Visit"/>
  </xsd:restriction>
</xsd:simpleType>

```

- Add enumerated values for SORDResponseCode to support MP-initiated Service Orders Responses for defects and One In All In.

```

<xsd:simpleType name="SORDResponseCode">
  <xsd:annotation>
    <xsd:documentation>Purpose - Defines a list of valid
response code for different types of service
orders</xsd:documentation>
  </xsd:annotation>
  <xsd:restriction base="xsd:string">
    <xsd:enumeration value="Customer On-Site"/>
    <xsd:enumeration value="Customer Prevented"/>
    <xsd:enumeration value="De-energisation Not Completed Due
To A Re-energisation"/>
    <xsd:enumeration value="Documentation Not Provided"/>
    <xsd:enumeration value="Metering Problem"/>
    <xsd:enumeration value="Meter Reading Only Undertaken Due
To Prior Re-energisation"/>
    <xsd:enumeration value="New Customer On-Site"/>
    <xsd:enumeration value="No Supply"/>
    <xsd:enumeration value="Other"/>
    <xsd:enumeration value="Reading Problem"/>
    <xsd:enumeration value="Request Submitted By Another
Initiator"/>
    <xsd:enumeration value="Initiator Cancellation"/>
    <xsd:enumeration value="Sensitive Load"/>
    <xsd:enumeration value="Recipient Cancellation"/>
    <xsd:enumeration value="Unable To Access"/>
    <xsd:enumeration value="Unknown Load"/>
    <xsd:enumeration value="Unsafe"/>
    <xsd:enumeration value="Tariff Change Not Approved"/>
    <xsd:enumeration value="Inadequate infrastructure"/>
    <xsd:enumeration value="No Comms"/>
    <xsd:enumeration value="Life Support"/>
    <xsd:enumeration value="Meter Not Retrieved"/>
    <xsd:enumeration value="Metering not compatible with
proposed Tariff Change"/>
    <xsd:enumeration value="Shared Supply Point"/>
    <xsd:enumeration value="Site Already Energised"/>
    <xsd:enumeration value="Unknown Connection Status"/>
    <xsd:enumeration value="Defect"/>
    <xsd:enumeration value="Appointment Required"/>
    <xsd:enumeration value="Comms Refused"/>
    <xsd:enumeration value="Coordination Failure"/>
    <xsd:enumeration value="Demolished"/>
    <xsd:enumeration value="Dog"/>
    <xsd:enumeration value="Incorrect Service Order"/>
    <xsd:enumeration value="Mismatch with Standing Data"/>
    <xsd:enumeration value="Natural Event"/>
    <xsd:enumeration value="No Access - Network Support
Required"/>
    <xsd:enumeration value="No Adult Present"/>
    <xsd:enumeration value="Not FRMP"/>
    <xsd:enumeration value="Obstruction"/>
    <xsd:enumeration value="Shared Fuse - Scoping Required"/>
    <xsd:enumeration value="Site Not Ready"/>
  </xsd:restriction>
</xsd:simpleType>

```

```
        <xsd:enumeration value="Unable To Isolate"/>
        <xsd:enumeration value="Unable To Locate Site"/>
    </xsd:restriction>
</xsd:simpleType>
```

- Update version attribute of ElectricityServiceOrderType and ElectricityServiceOrderNotificationData elements from r36 to r46.
- Update version attribute of ElectricityServiceOrderDetails element from r41 to r46

```

<xsd:complexType name="ElectricityServiceOrderType">
  <xsd:complexContent>
    <xsd:extension base="ServiceOrderTypeBase">
      <xsd:sequence>
        <xsd:element name="WorkType">
          <xsd:complexType>
            <xsd:simpleContent>
              <xsd:extension
base="ServiceOrderType">
                <xsd:attribute
name="workSubType" type="ServiceOrderSubType" use="optional"/>
              </xsd:extension>
            </xsd:simpleContent>
          </xsd:complexType>
        </xsd:element>
      </xsd:sequence>
      <xsd:attribute name="version" type="r46"
use="optional" default="r46"/>
    </xsd:extension>
  </xsd:complexContent>
</xsd:complexType>
<xsd:complexType name="ElectricityServiceOrderDetails">
  <xsd:annotation>
    <xsd:documentation>Purpose - Defines the data type for
new connection and meter additions and alterations
v36.1. WL. Change LifeSupport to be optional field.
    </xsd:documentation>
  </xsd:annotation>
  <xsd:complexContent>
    <xsd:extension base="ServiceOrderRequestData">
      <xsd:sequence>
        <xsd:element
name="CustomerConsultationRequired" type="xsd:boolean"/>
        <xsd:element name="InstallationType"
type="InstallationType" minOccurs="0"/>
        <xsd:element name="SupplyPhase"
type="SupplyPhase" minOccurs="0"/>
        <xsd:element name="AverageDailyLoad"
type="AveragedDailyLoad" minOccurs="0"/>
        <xsd:element name="CustomerType"
type="CustomerType" minOccurs="0"/>
        <xsd:element name="MeteringType"
type="MeteringType" minOccurs="0"/>
        <xsd:element name="OffPeakRequirements"
type="SpecialComments" minOccurs="0"/>
        <xsd:element name="MaximumDemand"
type="MeterDemand" minOccurs="0"/>
        <xsd:element name="ServiceTime"
type="ServiceTimeType" minOccurs="0"/>
        <xsd:element name="SwitchingServiceRequired"
type="SwitchingServiceRequired" minOccurs="0"/>
        <xsd:element name="ConfirmedDe-energisation"
type="xsd:boolean" minOccurs="0"/>
      </xsd:sequence>
    </xsd:extension>
  </xsd:complexContent>
</xsd:complexType>

```

```

minOccurs="0"/>
<xsd:element name="License" type="License"
minOccurs="0"/>
<xsd:element name="MeterLicense" type="License"
minOccurs="0"/>
<xsd:element name="De-energisationReason"
type="De-energisationReason" minOccurs="0"/>
<xsd:element name="LifeSupport" type="YesNo"
minOccurs="0"/>
<xsd:element name="Co-ordinationRequired"
type="YesNo" minOccurs="0"/>
<xsd:element name="RegClassification"
type="RegClassification" minOccurs="0"/>
<xsd:element name="PurposeOfRequest"
type="PurposeOfRequest" minOccurs="0"/>
<xsd:element name="Escalation"
type="Escalation" minOccurs="0"/>
<xsd:element name="ExemptionCode"
type="xsd:string" minOccurs="0"/>
</xsd:sequence>
<xsd:attribute name="version" type="r46"
use="optional" default="r46"/>
</xsd:extension>
</xsd:complexContent>
</xsd:complexType>
<xsd:complexType name="ElectricityServiceOrderNotificationData">
<xsd:annotation>
<xsd:documentation>Schema -
Electricity</xsd:documentation>
</xsd:annotation>
<xsd:complexContent>
<xsd:extension base="ServiceOrderNotificationData">
<xsd:sequence>
<xsd:element name="ServiceOrderStatus"
type="ServiceOrderStatus"/>
<xsd:element name="ResponseCode"
type="SORDResponseCode" minOccurs="0"/>
<xsd:element name="ActualDateTime"
type="xsd:dateTime"/>
<xsd:element name="Product" type="Product"/>
</xsd:sequence>
<xsd:attribute name="version" type="r46"
use="optional" default="r46"/>
</xsd:extension>
</xsd:complexContent>
</xsd:complexType>

```

- Update version attribute of ElectricityStandingData element from r43 to r46.

```

<xsd:complexContent>
  <xsd:extension base="NMISStandingData">
    <xsd:sequence>
      <xsd:element name="MasterData"
type="ElectricityMasterStandingData" minOccurs="0"/>
      <xsd:element name="RoleAssignments"
type="RoleAssignments" minOccurs="0"/>
      <xsd:element name="DataStreams"
type="ElectricityDataStreams" minOccurs="0"/>
      <xsd:element name="MeterRegister"
type="ElectricityMeters" minOccurs="0"/>
    </xsd:sequence>
    <xsd:attribute name="version" type="r46"
use="optional" default="r46"/>
  </xsd:extension>
</xsd:complexContent>

```

- Increase FormNumber element length from 15 to 20 characters.
- Reduce FormReference element length from 30 to 20 characters.

```

<xsd:complexType name="DocumentReferenceType">
  <xsd:sequence>
    <xsd:element name="FormReference" minOccurs="0">
      <xsd:simpleType>
        <xsd:restriction base="xsd:string">
          <xsd:maxLength value="20"/>
        </xsd:restriction>
      </xsd:simpleType>
    </xsd:element>
    <xsd:element name="FormNumber" minOccurs="0">
      <xsd:simpleType>
        <xsd:restriction base="xsd:string">
          <xsd:maxLength value="20"/>
        </xsd:restriction>
      </xsd:simpleType>
    </xsd:element>
  </xsd:sequence>
</xsd:complexType>SORD

```

- Rename the changed file version to Electricity\_r46.xsd.

## ElectricityEnumerations.xsd

- Add Remediation Advised enumeration to the PurposeOfRequest element.
- Add enumerations Family Failure, LMRP, and One In All In to the RegClassification element.

```

<xsd:simpleType name="RegClassification">
  <xsd:annotation>
    <xsd:documentation>
      Purpose - Use to indicate whether it is customer
Initiated and regulatory timeframes apply, or not.
      Version 1.0 additions
      - Customer Initiated
      - Malfunction
      - New Meter Deployment
      - Shared Fuse
      - Other

      Version 2.0 additions
      - Family Failure
      - LMRP
      - One In All In
    </xsd:documentation>
  </xsd:annotation>
  <xsd:restriction base="xsd:string">
    <xsd:maxLength value="40"/>
    <xsd:enumeration value="Customer Initiated"/>
    <xsd:enumeration value="Family Failure"/>
    <xsd:enumeration value="LMRP"/>
    <xsd:enumeration value="Malfunction"/>
    <xsd:enumeration value="New Meter Deployment"/>
    <xsd:enumeration value="One In All In"/>
    <xsd:enumeration value="Shared Fuse"/>
    <xsd:enumeration value="Other"/>
  </xsd:restriction>
</xsd:simpleType>
<xsd:simpleType name="PurposeOfRequest">
  <xsd:annotation>
    <xsd:documentation>
      Purpose - Used to clearly indicate the purpose of
visit
      Version 1.0 additions
      - New connection
      - Additional Meter
      - Part of BTS Temp to Perm
      - Part of supply alteration
      - Bidirectional flows at premises
      - Bypassed Customer
      - Communications Remove
      - Communications Install
      - Revenue Protection
      - Site Abolishment
      - Family Failure
      - Fault
      - Retailer Led
      - None
      - Other

      Version 2.0 addition

```

```

        - Remediation Advised

Version 2.0 deletion
    - Family Failure
    </xsd:documentation>
</xsd:annotation>
<xsd:restriction base="xsd:string">
    <xsd:maxLength value="40"/>
    <xsd:enumeration value="New connection"/>
    <xsd:enumeration value="Additional Meter"/>
    <xsd:enumeration value="Part of BTS Temp to Perm"/>
    <xsd:enumeration value="Part of supply alteration"/>
    <xsd:enumeration value="Bidirectional flows at premises"/>
    <xsd:enumeration value="Bypassed Customer"/>
    <xsd:enumeration value="Communications Remove"/>
    <xsd:enumeration value="Communications Install"/>
    <xsd:enumeration value="Revenue Protection"/>
    <xsd:enumeration value="Site Abolishment"/>
    <xsd:enumeration value="Fault"/>
    <xsd:enumeration value="Remediation Advised"/>
    <xsd:enumeration value="Retailer Led"/>
    <xsd:enumeration value="None"/>
    <xsd:enumeration value="Other"/>
</xsd:restriction>
</xsd:simpleType>

```

- • Add One In All In to the enumerated list for ReasonForNotice element.

```

<xsd:simpleType name="ReasonForNotice">
  <xsd:annotation>
    <xsd:documentation>
      Purpose - Define the fixed Reasons for Notice
      Version 1.0 additions
      - Meter Family Failure
      - Accuracy Failure
      - Timeswitch/Controlled Load Failure
      - Contactor Failure
      - No Display
      - Communication Failure
      - Meter Verification
      - Malfunction
      - Area Event
      - Metrology Threshold Breach
      - Meter Bypassed
      - Physical Damage
      - Theft/Tampering
      - Other
      Version 2.0 additions
      - One In All In
    </xsd:documentation>
  </xsd:annotation>
  <xsd:restriction base="xsd:string">
    <xsd:maxLength value="50"/>
    <xsd:enumeration value="Meter Family Failure"/>
    <xsd:enumeration value="Accuracy Failure"/>
    <xsd:enumeration value="Timeswitch/Controlled Load
Failure"/>
    <xsd:enumeration value="Contactor Failure"/>
    <xsd:enumeration value="No Display"/>
    <xsd:enumeration value="Communication Failure"/>
    <xsd:enumeration value="Meter Verification"/>
    <xsd:enumeration value="Malfunction"/>
    <xsd:enumeration value="One In All In"/>
    <xsd:enumeration value="Area Event"/>
    <xsd:enumeration value="Metrology Threshold Breach"/>
    <xsd:enumeration value="Meter Bypassed"/>
    <xsd:enumeration value="Physical Damage"/>
    <xsd:enumeration value="Theft/Tampering"/>
    <xsd:enumeration value="Other"/>
  </xsd:restriction>
</xsd:simpleType>

```

## ElectricityMasterStandingData\_r46.xsd

- Add elements LegacyMtrReplacementPlan, DefectFlag, DefectType, and DefectIssuingMC to ElectricityNMIMasterGroup group and ElectricityMasterStandingData type.

```

    <xsd:group name="ElectricityNMIMasterGroup">
      <xsd:annotation>
        <xsd:documentation>
Purpose - Common NMI Master elements across Standing Data and Change
Requests
        </xsd:documentation>
      </xsd:annotation>
      <xsd:sequence>
        <xsd:element name="JurisdictionCode"
type="JurisdictionCode" nillable="true" minOccurs="0"/>
        <xsd:element name="NMIClassificationCode"
type="NMIClassificationCode" nillable="true" minOccurs="0"/>
        <xsd:element name="TransmissionNodeIdentifier"
type="TransmissionNodeIdentifier" nillable="true" minOccurs="0"/>
        <xsd:element name="DistributionLossFactorCode"
type="DistributionLossFactorCode" nillable="true" minOccurs="0"/>
        <xsd:element name="ParentEmbeddedNetworkIdentifier"
type="EmbeddedNetworkIdentifier" nillable="true" minOccurs="0"/>
        <xsd:element name="ChildEmbeddedNetworkIdentifier"
type="EmbeddedNetworkIdentifier" nillable="true" minOccurs="0"/>
        <xsd:element name="Address"
type="AustralianPartialAddress" nillable="true" minOccurs="0"/>
        <xsd:element name="Aggregate" type="YesNo" nillable="true"
minOccurs="0"/>
        <xsd:element name="Status" type="NMIStatusCode"
nillable="true" minOccurs="0"/>
        <xsd:element name="FlatOrUnitType"
type="AustralianFlatOrUnitType" nillable="true" minOccurs="0"/>
        <xsd:element name="FlatOrUnitNumber"
type="AustralianFlatOrUnitNumber" nillable="true" minOccurs="0"/>
        <xsd:element name="FloorOrLevelType"
type="AustralianFloorOrLevelType" nillable="true" minOccurs="0"/>
        <xsd:element name="FloorOrLevelNumber"
type="AustralianFloorOrLevelNumber" nillable="true" minOccurs="0"/>
        <xsd:element name="BuildingOrPropertyName"
type="AustralianBuildingOrPropertyName" nillable="true"
minOccurs="0"/>
        <xsd:element name="BuildingOrPropertyName2"
type="AustralianBuildingOrPropertyName" nillable="true"
minOccurs="0"/>
        <xsd:element name="LocationDescriptor"
type="AustralianLocationDescriptor" nillable="true" minOccurs="0"/>
        <xsd:element name="HouseNumber"
type="AustralianHouseNumber" nillable="true" minOccurs="0"/>
        <xsd:element name="HouseNumberSuffix"
type="AustralianHouseNumberSuffix" nillable="true" minOccurs="0"/>
        <xsd:element name="HouseNumberTo"
type="AustralianHouseNumber" nillable="true" minOccurs="0"/>
        <xsd:element name="HouseNumberToSuffix"
type="AustralianHouseNumberSuffix" nillable="true" minOccurs="0"/>
        <xsd:element name="HouseNumber2"
type="AustralianHouseNumber" nillable="true" minOccurs="0"/>

```

```

        <xsd:element name="HouseNumber2Suffix"
type="AustralianHouseNumberSuffix" nillable="true" minOccurs="0"/>
        <xsd:element name="LotNumber" type="AustralianLotNumber"
nillable="true" minOccurs="0"/>
        <xsd:element name="SectionNumber" type="SectionNumber"
nillable="true" minOccurs="0"/>
        <xsd:element name="DPNumber" type="DepositedPlanNumber"
nillable="true" minOccurs="0"/>
        <xsd:element name="StreetName" type="AustralianStreetName"
nillable="true" minOccurs="0"/>
        <xsd:element name="StreetType" type="AustralianStreetType"
nillable="true" minOccurs="0"/>
        <xsd:element name="StreetSuffix"
type="AustralianStreetSuffix" nillable="true" minOccurs="0"/>
        <xsd:element name="AddressLine1"
type="AustralianAddressLine" nillable="true" minOccurs="0"/>
        <xsd:element name="AddressLine2"
type="AustralianAddressLine" nillable="true" minOccurs="0"/>
        <xsd:element name="AddressLine3"
type="AustralianAddressLine" nillable="true" minOccurs="0"/>
        <xsd:element name="SuburbOrPlaceOrLocality"
type="AustralianSuburbOrPlaceOrLocality" nillable="true"
minOccurs="0"/>
        <xsd:element name="StateOrTerritory"
type="AustralianStateOrTerritory" nillable="true" minOccurs="0"/>
        <xsd:element name="PostCode" type="AustralianPostCode"
nillable="true" minOccurs="0"/>
        <xsd:element name="DeliveryPointIdentifier"
type="AustralianDeliveryPointIdentifier" nillable="true"
minOccurs="0"/>
        <xsd:element name="GNAFPID"
type="GeocodedNationalAddressFilePersistentIdentifier" nillable="true"
minOccurs="0"/>
        <xsd:element name="DistanceFromSubstation"
type="DistanceFromSubstation" nillable="true" minOccurs="0"/>
        <xsd:element name="VoltageType" type="VoltageType"
nillable="true" minOccurs="0"/>
        <xsd:element name="PoleNumber" type="PoleNumber"
nillable="true" minOccurs="0"/>
        <xsd:element name="AccessDetails" type="AccessDetail"
nillable="true" minOccurs="0"/>
        <xsd:element name="FeederClass" type="FeederClass"
nillable="true" minOccurs="0"/>
        <xsd:element name="CustomerClassificationCode"
type="EMSDCustomerClassificationCode" nillable="true" minOccurs="0"/>
        <xsd:element name="CustomerThresholdCode"
type="EMSDCustomerThresholdCode" nillable="true" minOccurs="0"/>
        <xsd:element name="TransmissionNodeIdentifier2"
type="TransmissionNodeIdentifier" nillable="true" minOccurs="0"/>
        <xsd:element name="SharedIsolationPointFlag"
type="SharedIsolationPointFlag" nillable="true" minOccurs="0"/>
        <xsd:element name="MeterMalfunctionExemptionNumber"
type="MeterMalfunctionExemptionNumber" nillable="true" minOccurs="0"/>

```

```

        <xsd:element name="MeterMalfunctionExemptionExpiryDate"
type="xsd:date" nillable="true" minOccurs="0"/>
        <xsd:element name="ConnectionConfiguration"
type="ConnectionConfiguration" nillable="true" minOccurs="0"/>
        <xsd:element name="LastConsumerChangeDate" type="xsd:date"
nillable="true" minOccurs="0"/>
        <xsd:element name="LegacyMtrReplacementPlan"
type="xsd:date" nillable="true" minOccurs="0"/>
        <xsd:element name="DefectFlag" type="DefectFlag"
nillable="true" minOccurs="0"/>
        <xsd:element name="DefectType" type="DefectType"
nillable="true" minOccurs="0"/>
        <xsd:element name="DefectIssuingMC" type="PartyIdentifier"
nillable="true" minOccurs="0"/>
    </xsd:sequence>
</xsd:group>

```

```

<xsd:complexType name="ElectricityMasterStandingData">
  <xsd:sequence>
    <xsd:element name="JurisdictionCode"
type="JurisdictionCode" nillable="true" minOccurs="0"/>
    <xsd:element name="NMIClassificationCode"
type="NMIClassificationCode" nillable="true" minOccurs="0"/>
    <xsd:element name="TransmissionNodeIdentifier"
type="TransmissionNodeIdentifier" nillable="true" minOccurs="0"/>
    <xsd:element name="DistributionLossFactorCode"
type="DistributionLossFactorCode" nillable="true" minOccurs="0"/>
    <xsd:element name="ParentEmbeddedNetworkIdentifier"
type="EmbeddedNetworkIdentifier" nillable="true" minOccurs="0"/>
    <xsd:element name="ChildEmbeddedNetworkIdentifier"
type="EmbeddedNetworkIdentifier" nillable="true" minOccurs="0"/>
    <xsd:element name="Address"
type="AustralianPartialAddress" nillable="true" minOccurs="0"/>
    <xsd:element name="Aggregate" type="YesNo" nillable="true"
minOccurs="0"/>
    <xsd:element name="Status" type="NMIStatusCode"
nillable="true" minOccurs="0"/>
    <xsd:element name="DistanceFromSubstation"
type="DistanceFromSubstation" nillable="true" minOccurs="0"/>
    <xsd:element name="VoltageType" type="VoltageType"
nillable="true" minOccurs="0"/>
    <xsd:element name="PoleNumber" type="PoleNumber"
nillable="true" minOccurs="0"/>
    <xsd:element name="AccessDetails" type="AccessDetail"
nillable="true" minOccurs="0"/>
    <xsd:element name="FeederClass" type="FeederClass"
nillable="true" minOccurs="0"/>
    <xsd:element name="CustomerClassificationCode"
type="EMSDCustomerClassificationCode" nillable="true" minOccurs="0"/>
    <xsd:element name="CustomerThresholdCode"
type="EMSDCustomerThresholdCode" nillable="true" minOccurs="0"/>
    <xsd:element name="ControlEquipments"
type="ControlEquipments" nillable="true" minOccurs="0"/>
    <xsd:element name="NetworkDevices" type="NetworkDevices"
nillable="true" minOccurs="0"/>
    <xsd:element name="EnergisationStatus"
type="EnergisationStatus" nillable="true" minOccurs="0"/>
    <xsd:element name="PrimaryVoltage" type="PrimaryVoltage"
nillable="true" minOccurs="0"/>
    <xsd:element name="FromDate" type="xsd:date"
minOccurs="0"/>
    <xsd:element name="ToDate" type="xsd:date" minOccurs="0"/>
    <xsd:element name="TransmissionNodeIdentifier2"
type="TransmissionNodeIdentifier" nillable="true" minOccurs="0"/>
    <xsd:element name="SharedIsolationPointFlag"
type="SharedIsolationPointFlag" nillable="true" minOccurs="0"/>
    <xsd:element name="MeterMalfunctionExemptionNumber"
type="MeterMalfunctionExemptionNumber" nillable="true" minOccurs="0"/>
    <xsd:element name="MeterMalfunctionExemptionExpiryDate"
type="xsd:date" nillable="true" minOccurs="0"/>
  
```

```

        <xsd:element name="ConnectionConfiguration"
type="ConnectionConfiguration" nillable="true" minOccurs="0"/>
        <xsd:element name="LastConsumerChangeDate" type="xsd:date"
nillable="true" minOccurs="0"/>
        <xsd:element name="LegacyMtrReplacementPlan"
type="xsd:date" nillable="true" minOccurs="0"/>
        <xsd:element name="DefectFlag" type="DefectFlag"
nillable="true" minOccurs="0"/>
        <xsd:element name="DefectType" type="DefectType"
nillable="true" minOccurs="0"/>
        <xsd:element name="DefectIssuingMC" type="PartyIdentifier"
nillable="true" minOccurs="0"/>
    </xsd:sequence>
</xsd:complexType>

```

- Rename the changed file version to ElectricityMasterStandingData\_r46.xsd.

## Enumerations.xsd

- Add new enumerations Lower Level – LL, Penthouse – PTHS, Platform – PL, Podium – PDM to AustralianFloorOrLevelType.
- Increase AustralianFloorOrLevelType element length from 2 to 4 characters.

```

<xsd:simpleType name="AustralianFloorOrLevelType">
    <xsd:restriction base="xsd:string">
        <xsd:maxLength value="4"/>
        <xsd:enumeration value="B"/>
        <xsd:enumeration value="FL"/>
        <xsd:enumeration value="G"/>
        <xsd:enumeration value="L"/>
        <xsd:enumeration value="LB"/>
        <xsd:enumeration value="LG"/>
        <xsd:enumeration value="M"/>
        <xsd:enumeration value="OD"/>
        <xsd:enumeration value="P"/>
        <xsd:enumeration value="UG"/>
        <xsd:enumeration value="RT"/>
        <xsd:enumeration value="SB"/>
        <xsd:enumeration value="LL"/>
        <xsd:enumeration value="PTHS"/>
        <xsd:enumeration value="PL"/>
        <xsd:enumeration value="PD"/>
    </xsd:restriction>
</xsd:simpleType>

```

- For AustralianStreetType, a comment mapping aseXML abbreviation names - AS4590.1:2017 Abbreviation names – Name:
  - FRTL - FITR - FIRETRAIL

- AV - AVE - AVENUE
- CR - CRSE - CRESCENT
- GLDE – GLD - GLADE
- PWY – PKWY – PARKWAY

•

```
Version 7.0 addition of comments
-- AS4590.1:2017 Abbreviation - aseXML Abbreviation - Name
-- FRTL - FITR - FIRETRAIL (FRTL (AS4590) is to be mapped to FITR
(aseXML) )
-- AV - AVE - AVENUE
-- CR - CRSE - CRESCENT
-- GLDE - GLD - GLADE
-- PWY - PKWY - PARKWAY
```

–

- For AustralianFlatOrUnitType, a comment mapping aseXML abbreviation names - AS4590.1:2017 Abbreviation names – Name:
  - DUPL - DUP - DUPLEX
  - FCTY - FY - FACTORY
  - FLAT – F - FLAT
  - MBTH – MB - MARINE BERTH
  - OFFC – OFF - OFFICE
  - ROOM - RM - ROOM
  - STLL - SL - STALL
  - UNIT - U - UNIT
  - WHSE - WE - WAREHOUSE

```
Version 7.0 name mapping as per AS4590.1:2017
-- AS4590.1:2017 Abbreviation - aseXML Abbreviation - Name
-- DUPL - DUP - DUPLEX
-- FCTY - FY - FACTORY
-- FLAT - F - FLAT
-- MBTH - MB - MARINE BERTH
-- OFFC - OFF - OFFICE
-- ROOM - RM - ROOM
-- STLL - SL - STALL
-- UNIT - U - UNIT
-- WHSE - WE - WAREHOUSE
```

## Events\_r46.xsd

Events\_r46.xsd file to replace Events\_r43.xsd.

```
<xsd:simpleType name="r46">
  <xsd:annotation>
    <xsd:documentation>Purpose - Release r46
  identifier.</xsd:documentation>
  </xsd:annotation>
  <xsd:restriction base="ReleaseIdentifier">
    <xsd:enumeration value="r46"/>
  </xsd:restriction>
</xsd:simpleType>
```

## OneWayNotification\_r46.xsd

- Update version attribute of MeterFaultAndIssueNotification element from r36 to r46.
- Rename the changed file version to OneWayNotification\_r46.xsd.

```

<xsd:complexType name="MeterFaultAndIssueNotification">
  <xsd:sequence>
    <xsd:element name="NMI" type="NMI"/>
    <xsd:element name="DateIdentified" type="xsd:date"/>
    <xsd:element name="StartDate" type="xsd:date"
minOccurs="0"/>
    <xsd:element name="StartTime" type="xsd:time"
minOccurs="0"/>
    <xsd:element name="EndDate" type="xsd:date"
minOccurs="0"/>
    <xsd:element name="Duration" type="Duration"
minOccurs="0"/>
    <xsd:element name="SupplyOn" type="YesNo"/>
    <xsd:element name="SupplyOff" type="SupplyOff"
minOccurs="0"/>
    <xsd:element name="Meters" type="ElectricityMeters"
minOccurs="0"/>
    <xsd:element name="ReasonForNotice"
type="ReasonForNotice"/>
    <xsd:element name="Notes" type="NotificationNotes"
minOccurs="0"/>
  </xsd:sequence>
  <xsd:attribute name="version" type="r46" use="optional"
default="r46"/>
</xsd:complexType>

```

aultAndIssueNotification element from r36 to r46

## A2. Version history

### V1.07

- ROLR reports: Updates I row field RecordId to Record Version
- Adds **URM entities** for Service Order subtype interfaces
- Adds THIRD PARTY nature value for meter exemptions
- 

### V1.06

- Updates I row and D row format for ROLR reports
- Updates **Release dates** with effective dates

### V1.05

- Updates pre-production and production release dates
- Updates Related software
- Updates ROLR report details and examples
- Adds patch release information

### V1.04

- Fixes broken links
- Adds CR 5301 example request and notification
- Updates meter exemption hierarchy codes and validation rules
- Updates RM29 Standing Data Quality report details
- Adds BUT upload limits for LMRP
- Removes RM29 COMM\_MTR\_WITH\_DEFECT report
- Updates ROLR report details

### V1.03

- Adds Metering Exemption API information
- Updates CATS standing data information
- Adds RM29 SDQ query COMMS\_MTR\_WITH\_DEFECT
- Correction to information in [Assign null value to site defect elements](#)
- Adds RoLR report details and examples
- Updates retail pre-production refresh dates in [Proposed Timeline](#)

### V1.02

- Adds [aseXML r46 Files and Changes](#)
- Adds [BuildingOrPropertyName element transition](#)
- Adds ITWG FAQs
- Adds BUT payload example for submitting LMRP values
- Adds [ROLR report](#) information
- Adds details about RM29 Standing Data Quality report queries
- For Site Defects, changes OriginatingMC field to DefectIssuingMC

### v1.01

- Renames LMRP field to LegacyMtrReplacementPlan
- For Site Defects, removes proposed CR5300 Change Defect Information (Prospective)
- For Site Defects, revises Originating MC field to Defect Issuing MC
- Changes to CRs 3004/3005 and 3090/3091 details where the new meter is a COMMS\* or MRAM
- Adds note about BuildingorPropertyName2 in [B2B aseXML schema impact summary](#)
- Updates version to several aseXML schema files

### v1.00

- Adds changes to meter exemptions.

- Adds information about CR notifications when populating the LCCD field.
- Correction to current B2M version.
- Adds FAQs.

### **v0.03**

This is the initial draft.