



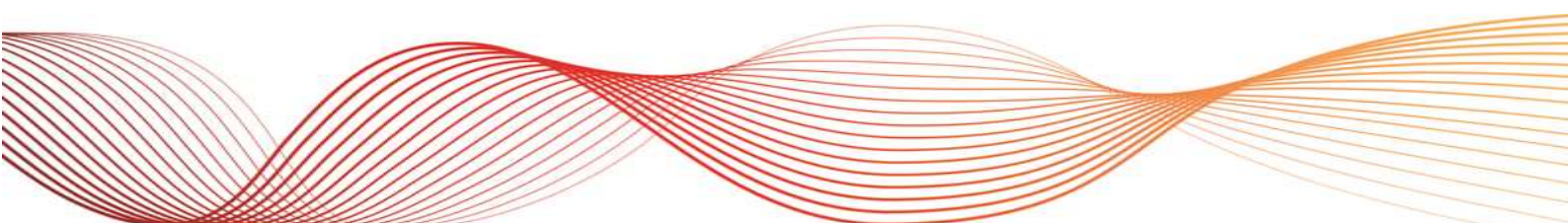
# EMMS RELEASE SCHEDULE – OCTOBER AND NOVEMBER 2017

## AEMO RELEASE SCHEDULE: EMMS10112017

Published 13 July 2017 Version 1.00



<b>October</b>	<b>Pre-production:</b>	<b>Thursday 28 September 2017</b>	All MTPASA project changes and Data Model changes for other projects
	<b>Production:</b>	<b>Thursday 26 October 2017</b>	
<b>November</b>	<b>Pre-production:</b>	<b>Thursday 2 November 2017</b>	Application changes and the release of data for the updated Data Model
	<b>Production:</b>	<b>Thursday 30 November 2017</b>	





# Contents

1	Introduction	3
1.1	Summary	3
1.2	Schedule	3
1.3	Approval or agreement to change	3
2	Proposed Timeline	4
3	Phase One – October	6
1.1	P630 – MTPASA Upgrade	6
1.2	P1252 NEM Settlements Shortfall Calculation	6
4	Phase Two – November	7
1.3	P1209 – Security Deposit Calculation	7
1.4	P1235 – Dynamic LOR Stage two for South Australia	7
1.5	P1242 – Automation of Market Suspension Pricing	7
1.6	7-day Pre-dispatch	8
1.7	Risk Profile for Generators	8
1.8	Electricity Data Model	8
1.9	Gas Data Model (possible)	9
5	Baseline Assumptions	10
5.1	Software	10
5.2	Data Interchange	10
5.3	Database management systems	10



# 1 INTRODUCTION

## 1.1 Summary

This release schedule provides participants with a summary of the EMMS projects scheduled for release during phase one, October and phase two, November. AEMO provides this information as a service targeting business analysts and IT staff in participant organisations to assist with their technical implementation.

## 1.2 Schedule

There is a two-phase implementation for this release:

- Phase one: All MTPASA project changes and the data model changes for all other projects.
- Phase two: Application changes and the release of data for the new Data Model.

### Phase one – All MTPASA project changes and Data Model changes for other projects

- Pre-production: Thursday 28 September 2017
- Production: Thursday 26 October 2017

### Phase two - Application changes and the release of data for the updated Data Model

- Pre-production: Thursday 2 November 2017
- Production: Thursday 30 November 2017

## 1.3 Approval or agreement to change

AEMO seeks approval to proceed from all participant change controllers and deems the change approved if there is no response within 15 business days.

### Response required date, close of business: Friday, 11 August 2017

Please send your response by email to the AEMO Information and Support Hub: <mailto:supporthub@aemo.com.au> with the following details:

- Name
- Organisation
- Contact details
- Response Yes or No
- Comments



## 2 PROPOSED TIMELINE

The dates and times for the user group meetings are tentative. AEMO will provide definite dates closer to the meeting day.

Milestone	Date	Description
Approval required	Friday 11 August 2017	Final date for approval of this Release.
Technical Specification published	August 2017	Further details of the changes to assist IT staff with their own technical implementation.
User group meeting: initial	Thursday 24 August 2017	Market systems user group meeting to discuss items in this Release.
Pre-production refresh	Monday 7 August 2017 – Friday 18 August 2017	AEMO refreshes the pre-production system with data from the production system. <b>Participants cannot access the pre-production environment during this period.</b>
Data Model scripts released	Wednesday 27 September 2017	Participant Data Model and PDR Loader configuration scripts released. <b>Please do not apply the scripts until pre-production or production implementation time.</b>
Revised Technical Specification published	From September 2017	If required, AEMO publishes a revised release schedule and technical specification.
Phase 1 October pre-production implementation	Monday 25 September 2017 – Thursday 28 September 2017	AEMO implements the Release to pre-production for final system/integration testing. AEMO has full access to the system during this period. Participant access is not restricted. However, AEMO does not guarantee the data content or system availability.
Phase 1 October pre-production systems available	Thursday 28 September 2017	Pre-production testing period begins for participants.
Phase 1 October Production implementation	Monday 23 October 2017 – Thursday 26 October 2017	AEMO implements the release to production.
Phase 1 October production systems available	Thursday 26 October 2017	Production systems available to participants.
Phase 2 November pre-production implementation	Monday 30 October 2017 – Thursday 2 November 2017	AEMO implements the release to pre-production for final system/integration testing. AEMO has full access to the system during this period. Participant access is not restricted. However, AEMO does not guarantee the data content or system availability.



Milestone	Date	Description
User group meeting: pre-production progress	Tuesday 21 November 2017	Market systems user group meeting allowing participants to discuss experiences and any issues identified through pre-production testing.
Phase 2 November production implementation	Monday 27 November 2017 – Thursday 30 November 2017	AEMO implements the release to production.
Phase 2 November production systems available	Thursday 30 November 2017	Production systems available to participants.
User group meeting: post-implementation review	Thursday 7 December 2017	Market systems user group meeting allowing participants to review and provide feedback about the implementation of this release.

**For system outage times, see [AEMO Change Windows on AEMO’s website](#)>IT systems>IT Change and Release Management.**



### 3 PHASE ONE – OCTOBER

#### 1.1 P630 – MTPASA Upgrade

##### Summary

Due to the [Reliability Standard Implementation Guidelines Consultation](#), the MTPASA process changes **significantly** in this Release.

The changes relate to the weekly assessment of system reliability, including provision of information on demand, supply and network conditions – Rules Requirement (clause 3.7.2) function.

There is **no** impact to the following:

- MTPASA Offers.
- MTPASA Region Availability (3-hourly) report.
- MTPASA Three-hour Demand Report.
- Changes to the way participants submit their availability.

##### Technical detail

After the implementation of this Release 2017, there are substantial changes to the Electricity Data Model MTPASA solution tables.

AEMO no longer populates the following **current** packages and tables:

- MTPASA\_CASESOLUTION
- MTPASA\_REGIONSOLUTION
- MTPASA\_INTERCONNECTORSOLUTION
- MTPASA\_CONSTRAINTSOLUTION
- MTPASA\_RESERVELIMITSOLUTION

AEMO will publish a **new** set of tables, providing details of the new table design in the EMMS Technical Specification – October and November 2017.

At the completion of Phase 1 of this project participants who have upgraded to Electricity Data Model v4.26 start receiving MTPASA data to their tables.

#### 1.2 P1252 NEM Settlements Shortfall Calculation

##### Summary

This project involves updating the automation of the NEM Shortfall calculation used in the event of a prudential default by a *Market Participant* for a given billing period.

##### Technical detail

The new calculation maps to *Market Participants'* Company ID rather than their Participant ID.

The following Electricity Data Model tables are new:

- BILLING\_RUN:  
BILLING\_EFT\_SHORTFALL\_AMOUNT
- BILLING\_RUN:  
BILLING\_EFT\_SHORTFALL\_AMT\_DETAIL

AEMO releases the Data Model changes to pre-production. Participants can upgrade now but their Data Model tables will not receive the new data until the November release.





## 4 PHASE TWO – NOVEMBER

### 1.3 P1209 – Security Deposit Calculation

#### Summary

This project supports changes required to adopt a more flexible approach to security deposits in the case of participant failure. The key benefits involve:

- Reducing the risk of settlement shortfalls.
- Improved market functioning of the NEM and GSH.
- Internal operational efficiencies.

#### Technical detail

This project contains changes to the Electricity and Gas Data Models. AEMO will provide more details about the changes in the EMMS Technical Specification – October and November 2017.

The following Electricity Data Model tables are new:

- BILLING\_RUN:  
BILLING\_SECDEPOSIT\_APPLICATION
- BILLING\_RUN:  
BILLING\_SECDEP\_INTEREST\_RATE
- BILLING\_RUN: BILLING\_SECDEP\_INTEREST\_PAY  
BILLING\_CONFIG: SECDEPOSIT\_PROVISION
- BILLING\_CONFIG: SECDEPOSIT\_INTEREST\_RATE

**AEMO releases the Data Model changes to pre-production in October. Participants can upgrade from October but their Data Model tables will not receive the new data until the completion of phase 2 in November.**

### 1.4 P1235 – Dynamic LOR Stage two for South Australia

#### Summary

To enhance reporting of LOR conditions to the market, this project implements logic to automate the calculation of LOR trigger levels for DSPASA, PDPASA, and STPASA in South Australia.

#### Technical detail

Participants will see improvements to the reporting of LOR conditions only.

There is no impact to the Data Model for this project.

### 1.5 P1242 – Automation of Market Suspension Pricing

#### Summary

This project involves automating the application of market suspension pricing and the publication of market notices.

The benefit to participants is:

- Reduced uncertainty and increased transparency of market information
- Improvements to reporting and database content.

#### Technical detail

This project contains changes to the Data Model. AEMO will provide more details about the changes in the EMMS Technical Specification – October and November 2017.

**AEMO releases the Data Model changes to pre-production in October. Participants can upgrade from October but their Data Model tables will not receive**



the new data until the completion of phase 2 in November.

## 1.6 7-day Pre-dispatch

Summary	Technical detail
<p>This project improves the ability to know if there are sufficient gas reserves by allowing participants to see committed generation for gas-fired generators</p>	<p>This project <b>may</b> affect the Data Model. AEMO will provide more details about the changes in the EMMS Technical Specification – October and November 2017.</p>

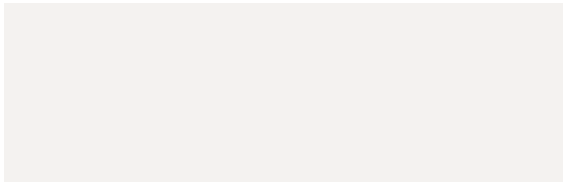
## 1.7 Risk Profile for Generators

Summary	Technical detail
<p>Part 1 of this project builds a risk profile for extreme temperature conditions of thermal generators in the NEM. The aim is to determine if actual reserves reflect the forecast so AEMO can accurately predict availability.</p> <p>AEMO will consult further with generators to determine their needs and suggestions for improvements.</p>	<p>The outcome of the project is a new web application in the Markets Portal.</p> <p>There is no impact to the Data Model for this project.</p>

## 1.8 Electricity Data Model

Summary	Technical detail
<p>The Electricity Data Model changes to v4.26 for this Release.</p>	<p>AEMO is aware of changes to the following Electricity Data Model packages for this Release.</p> <p>New:</p> <ul style="list-style-type: none"> <li>▪ BILLING_RUN: BILLING_EFT_SHORTFALL_AMOUNT</li> <li>▪ BILLING_RUN: BILLING_EFT_SHORTFALL_AMT_DETAIL</li> <li>▪ BILLING_RUN: BILLING_SECDEPOSIT_APPLICATION</li> <li>▪ BILLING_RUN: BILLING_SECDEP_INTEREST_RATE</li> <li>▪ BILLING_RUN: BILLING_SECDEP_INTEREST_PAY</li> <li>▪ BILLING_CONFIG: SECDEPOSIT_PROVISION</li> <li>▪ BILLING_CONFIG: SECDEPOSIT_INTEREST_RATE</li> </ul> <p>Discontinued:</p>





- MTPASA\_CASESOLUTION
- MTPASA\_REGIONSOLUTION
- MTPASA\_INTERCONNECTORSOLUTION
- MTPASA\_CONSTRAINTSOLUTION
- MTPASA\_RESERVELIMITSOLUTION

## 1.9 Gas Data Model (possible)

### Summary

The Gas Data Model **may** change due to the Security Deposit Calculation project.

### Technical detail

Currently, AEMO does not foresee any changes to the Gas Data Model as part of this Release. AEMO will confirm in the EMMS Technical Specification – October and November 2017.



## 5 BASELINE ASSUMPTIONS

AEMO works to the assumption that participants’ systems are compliant with the minimum supported configuration of the following software and systems.

There are no changes to the baseline assumptions for this Release.  
AEMO will update the Data Interchange software in a separate release later this year.

### 5.1 Software

The current software versions are:

	Current version	Release	Still supported
Web Services	1.04	June 2013	
Java	7	n/a	
Windows service	64 bit JRE	n/a	32 bit JRE

### 5.2 Data Interchange

The current DI software versions are:

	Current version	Still supported
Electricity Data Model	4.26	4.25
Gas Data Model	1.3	1.2
PDR Loader	7.3	7.3
PDR Batchter	7.3	7.3
Replication Manager	v3.0.16	v3.0.16

### 5.3 Database management systems

	Current	Still supported
Microsoft SQL Server	2012	2008
Oracle	12c	11g