

# EMMS RELEASE SCHEDULE REVISED - DECEMBER 2017

AEMO RELEASE SCHEDULE: EMMS10112017

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**Pre-production:**

**Staged release**

**Production:**

**Staged release**



# Contents

1	Introduction.....	2	P1209 – Security Deposit Calculation	6
	1.1 Summary	2	P1235 – Dynamic LOR Stage two for South Australia	6
	1.2 Schedule	2	P1242 – Automation of Market Suspension Pricing	6
	1.3 Approval or agreement to change	3	7-day Pre-dispatch	7
2	Proposed Timeline .....	3	Electricity Data Model 4.27	7
3	Projects .....	4	Gas Data Model 1.4	7
	P630 – MTPASA Redevelopment (rescheduled)	4		
	P421 – Helios - ASEFS	5		
	P1252 NEM Settlements Shortfall Calculation	5		

## 1 INTRODUCTION

### 1.1 Summary

This release schedule provides participants with a summary of the EMMS projects scheduled for release in December 2017. AEMO provides this information as a service targeting business analysts and IT staff in participant organisations to assist with their technical implementation.

Changes in this Release Schedule v6.01 include a change to the production release for the 7-day Pre-dispatch csv file on the Gas Supply Guarantee web page. The file remains under internal analysis until 18 December 2017. See Schedule below.

### 1.2 Schedule

Application	Pre-production	Production	Data Model
7-day Pre-dispatch	Released	18 Dec 2017	No change
Automation of Market Suspension Pricing	Released	18 Dec 2017	Elec
Data Interchange Upgrade - pdrMonitor	Early quarter 2, 2018	1 month later	Elec & gas
Data Interchange Upgrade v7.4	Released	7 Dec 2017	Elec & gas
Dynamic LOR Stage two for South Australia	Early Jan 2018	Mid-Jan 2018	No change
Helios – ASEFS	15 Dec 2017	Quarter 1, 2018	Elec
MTPASA Redevelopment	18 Jan 2018	15 Feb 2018	Elec
NEM Settlements Shortfall Calculation	Released	Released	Elec

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Security Deposit Calculation phase 1	Released	11 Dec 2017	No change
Security Deposit Calculation phase 2	22 Jan 2018	22 Feb 2018	Elec & gas

For applications affecting the Data Model, providing you have upgraded to 4.27 or 1.4, the new and changed tables are available when AEMO releases each corresponding application.

### 1.3 Approval or agreement to change

**This Release Schedule is for Information only. AEMO sought approval to proceed in EMMS Release Schedule – October and November 2017 v1.00.**

## 2 PROPOSED TIMELINE

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

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

Milestone	Date	Description
Approval required	Friday 11 August 2017 <b>Complete</b>	Approved
User group meeting: initial	Thursday 21 September 2017 <b>Complete</b>	Market systems user group meeting to discuss items in this Release.
Pre-production refresh	Monday 7 August 2017 – Friday 18 August 2017 <b>Complete</b>	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	Friday 17 November 2017 <b>Complete</b>	Participant Data Model and PDR Loader configuration scripts released. <b>Please only apply these scripts to your pre-production environment.</b>
Pre-production implementation	Monday 6 November 2017 – Friday 10 November 2017 <b>Complete</b>	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.
Pre-production systems available	<b>See Schedule on page 2</b>	Pre-production systems available to participants.



Milestone	Date	Description
Revised Technical Specification published	8 December 2017	If required, AEMO publishes a revised release schedule and technical specification.
User group meeting: pre-production progress	Thursday 30 November 2017 <b>Complete</b>	Market systems user group meeting allowing participants to discuss experiences and any issues identified through pre-production testing.
Production implementation	Monday 4 December 2017 – Thursday 7 December 2017	AEMO implements the release to production.
Production systems available	<b>See Schedule on page 2</b>	Production systems available to participants.
User group meeting: post-implementation review	Thursday 14 December 2017	Market systems user group meeting allowing participants to review and provide feedback about the implementation of this release.

### 3 PROJECTS

#### P630 – MTPASA Redevelopment (rescheduled)

This project is rescheduled with AEMO proposing the new release date change to 15 February 2018. For more details, see Schedule on page 2.

This change is due to a delay in the MTPASA production release because AEMO is undertaking additional quality assurance testing and additional performance tuning to the production environment.

AEMO apologises for any inconvenience caused by this delay. There are no other changes to the Guidelines. During the delay, the current Guidelines continue.

For more details, see <https://www.aemo.com.au/Stakeholder-Consultation/Consultations/Reliability-Standard-Implementation-Guidelines-Consultation>.

Summary	Technical detail
<p>Due to the <a href="#">Reliability Standard Implementation Guidelines Consultation</a>, the MTPASA process will change <b>significantly</b>.</p> <p>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.</p> <p>There is <b>no</b> impact to the following:</p> <ul style="list-style-type: none"> <li>MTPASA Offers.</li> </ul>	<p><b>After the implementation, there are substantial changes to the Electricity Data Model MTPASA solution where AEMO no longer populates the following tables:</b></p> <ul style="list-style-type: none"> <li>MTPASA_CASESOLUTION</li> <li>MTPASA_REGIONSOLUTION</li> <li>MTPASA_INTERCONNECTORSOLUTION</li> <li>MTPASA_CONSTRAINTSOLUTION</li> <li>MTPASA_RESERVELIMITSOLUTION</li> </ul>



- MTPASA Region Availability (3-hourly) report.
  - MTPASA Three-hour Demand Report.
  - Changes to the way participants submit their availability.
- Details of the new MTPASA Data Model design are provided in the EMMS Technical Specification October–December 2017 published with this release schedule.
- Substantial changes to the MTPASA analysis technique and model mean it is not possible to provide the old data format from the new model engine, so it is a hard cutover. When the new MTPASA engine is implemented, the reports for the old MTPASA tables stop being produced and the reports for the new MTPASA start being produced.
- At the completion of the MTPASA rollout:
- The MTPASA\_LEGACY file contains the reports populated by the old MTPASA tables.
  - The MTPASA file contains the reports populated by the new and old MTPASA tables.

## P421 – Helios - ASEFS

Summary	Technical detail
<p>The purpose of the Australian Solar Energy Forecasting System (ASEFS) Phase 3 – HELIOS project is to:</p> <ul style="list-style-type: none"> <li>▪ Improve the accuracy of solar farm and rooftop photovoltaic (PV) generation forecasts by using recently available high-resolution satellite data to model and predict cloud movement</li> <li>▪ Reducing the impact of fast-moving weather systems that cause sharp decreases in PV generation.</li> <li>▪ Produce a forecast of regional rooftop PV generation every 30-minutes (currently every 6 hours) to <i>Market Participants</i>.</li> </ul>	<p>There are two new Electricity Data Model files delivered from the ROOFTOP_PV_ACTUAL table:</p> <ul style="list-style-type: none"> <li>▪ Satellite based actuals</li> <li>▪ Measurement based actuals</li> </ul> <p>There are two new NEMweb reports for this project:</p> <ul style="list-style-type: none"> <li>▪ Rooftop PV upscaled actual 30 min feed</li> <li>▪ Rooftop PV upscaled actual 30 min feed</li> </ul> <p><b>This release is preparation for the Data Model changes only. When your Data Model upgrade is complete you will see the new tables but no data until the application release, see Schedule on page 2.</b></p>

## P1252 NEM Settlements Shortfall Calculation

Summary	Technical detail
<p>This project involves updating the automation of the NEM shortfall calculation used in the event of a prudential default by a <i>Market Participant</i> for a given billing period.</p>	<p>The new calculation maps to <i>Market Participants'</i> Company ID rather than their Participant ID.</p> <p>The following Electricity Data Model tables are 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> </ul>



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 completion of phase two, see Schedule on page 2.

## 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. More details are in the EMMS Technical Specification October–December 2017 published with this release schedule.

#### Phase 1

- NEM Business changes to load floating interest rates.

#### Phase 2

- GSH Business changes to load floating interest rates.
- SDA report changes.
- Prudential Dashboards display the floating interest rates.
- Electricity and gas Data Model changes.

## 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.

## 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:

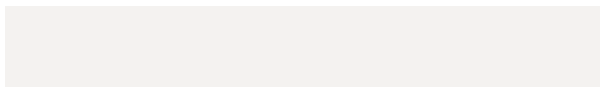
- Reduced uncertainty and increased transparency of market information

### 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 published with this release schedule.



- Improvements to reporting and database content.



## 7-day Pre-dispatch

### Summary

This project improves the ability to know if there are sufficient gas reserves by allowing participants to see committed generation for gas-fired generators.

### Technical detail

At production implementation time, AEMO publishes a new csv report on the Gas Supply Guarantee web page.  
There are no changes to the Data Model.

## Electricity Data Model 4.27

### Summary

The Electricity Data Model changes to v4.27 for this Release.

### Technical detail

Changes are for the following projects:

- P630 – MTPASA Redevelopment
- P1252 – NEM Settlements Shortfall Calculation
- P1209 – Security Deposit Calculation
- P1242 – Automation of Market Suspension Pricing For details

## Gas Data Model 1.4

### Summary

The Gas Data Model changes to 1.4 for this Release

### Technical detail

Changes are for the following projects:

- P1209 – Security Deposit Calculation