



EMMS RELEASE SCHEDULE REVISED - DECEMBER 2017

AEMO RELEASE SCHEDULE: EMMS10112017

Published 17 November 2017 Version 5.00



Pre-production: Friday 10 November 2017

Production: Thursday 7 December 2017

Data Model 4.27 and all
projects released



Contents

1	Introduction.....	2	P1209 – Security Deposit Calculation	5
	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	6
2	Proposed Timeline	3	Electricity Data Model 4.27	6
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 v5.00 are to the Data Model release:

1. We advise a delay to the release of the Electricity and Gas Data Models, v4.27 and v1.4 to Friday 17 November 2017. The new release is extensive and work is taking longer than expected. We apologise for any inconvenience.
2. LASTCHANGED column included in the Table DISPATCH_INTERCONNECTION.
3. Report type for ROOFTOP_PV_ACTUAL table changed to ROOFTOP, ACTUAL,2
4. Report type for GSH_PRD_SECURITY_DEPOSITS table changed to GSH_PRUDENTIAL,SECURITY_DEPOSITS,2.
5. Participant File ID changes added to the DISPATCH package:
 - a. PRICE_REVISION_DISPATCH
 - b. PRICE_REVISION_DISPATCHIS
6. Auto-subscription added for file ID, GSH_SECDEPOSIT_INTEREST_RATE.
7. The EMMS Revised Technical Specification December 2017 v4.00 is published with this release schedule.

1.2 Schedule

Electricity and Gas Data Models and all projects released:

- Pre-production: Friday 10 November 2017
- Production: Thursday 7 December 2017



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 Complete	Approved
User group meeting: initial	Thursday 21 September 2017 Complete	Market systems user group meeting to discuss items in this Release.
Pre-production refresh	Monday 7 August 2017 – Friday 18 August 2017 Complete	AEMO refreshes the pre-production system with data from the production system. Participants cannot access the pre-production environment during this period.
Data Model scripts released	Friday 17 November 2017	Participant Data Model and PDR Loader configuration scripts released. Please only apply these scripts to your pre-production environment.
Pre-production implementation	Monday 6 November 2017 – Friday 10 November 2017 Complete	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	Friday 10 November 2017 Complete	Pre-production systems available to participants.
Revised Technical Specification published	17 November 2017	If required, AEMO publishes a revised release schedule and technical specification.
User group meeting: pre-production progress	Thursday 30 November 2017	Market systems user group meeting allowing participants to discuss experiences and any issues identified through pre-production testing.



Milestone	Date	Description
Production implementation	Monday 4 December 2017 – Thursday 7 December 2017	AEMO implements the release to production.
Production systems available	Thursday 7 December 2017	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.

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 Reliability Standard Implementation Guidelines Consultation, the MTPASA process will change significantly.</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 no impact to the following:</p> <ul style="list-style-type: none"> ▪ MTPASA Offers. ▪ MTPASA Region Availability (3-hourly) report. ▪ MTPASA Three-hour Demand Report. ▪ Changes to the way participants submit their availability. 	<p>After the implementation, there are substantial changes to the Electricity Data Model MTPASA solution where AEMO no longer populates the following tables:</p> <ul style="list-style-type: none"> ▪ MTPASA_CASESOLUTION ▪ MTPASA_REGIONSOLUTION ▪ MTPASA_INTERCONNECTORSOLUTION ▪ MTPASA_CONSTRAINTSOLUTION ▪ MTPASA_RESERVELIMITSOLUTION <p>Details of the new MTPASA Data Model design are provided in the EMMS Technical Specification October–December 2017 published with this release schedule.</p>



P421 – Helios - ASEFS

Summary

The purpose of the Australian Solar Energy Forecasting System (ASEFS) Phase 3 – HELIOS project is to:

- 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
- Reducing the impact of fast-moving weather systems that cause sharp decreases in PV generation.
- Produce a forecast of regional rooftop PV generation every 30-minutes (currently every 6 hours) to *Market Participants*.

Technical detail

There are two new Electricity Data Model files delivered from the ROOFTOP_PV_ACTUAL table:

- Satellite based actuals
- Measurement based actuals

There are two new NEMweb reports for this project:

- Rooftop PV upscaled actual 30 min feed
- Rooftop PV upscaled actual 30 min feed

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 early in 2018. AEMO will advise the schedule date as soon as it is available.

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 completion of phase two.

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.

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.

AEMO releases the Data Model changes to pre-production in October. Participants can upgrade from



- Internal operational efficiencies.

October but their Data Model tables will not receive the new data until the completion of phase two.

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
- 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 published with this release schedule.

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 two.

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

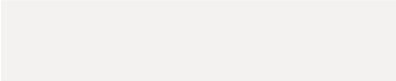
Summary

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