



EMMS TECHNICAL SPECIFICATION - MAY 2018

**AEMO RELEASE SCHEDULE SERIES:
EMMS03052018**

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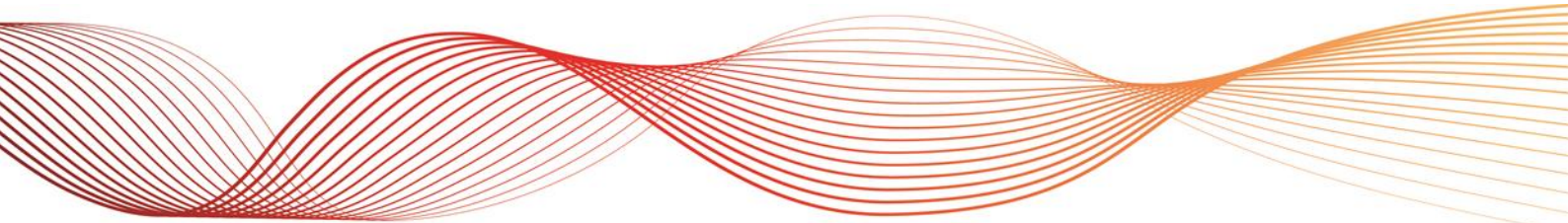


Schedule Pre-production:

Thursday 10 May 2018

Production:

Wednesday 31 May 2018





IMPORTANT NOTICE

Purpose & audience

This document describes the technical changes required to participant's systems for the EMMS Mid-year Release (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 National Gas or 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.
- Unless otherwise stated, you can find [resources](#) mentioned in this guide on AEMO's website.
- [Text in this format](#), indicates a reference to a document on [AEMO's website](#).
- This document is written in plain language for easy reading. Where there is a discrepancy between the Rules and information or a term in this document, the Rules take precedence.
- Glossary Terms are capitalised and have the meanings listed against them in the Glossary.
- *Italicised terms* are defined in the Rules. Any rules terms not in this format still have the same meaning.
- Actions to complete in the Web Portal interface are **bold and dark blue**.

AEMO reference numbers

Included in each project heading is a Quality Centre Identifier (QCID) that provides useful tracking information. There may be none, one, or more QCIDs relevant to each project heading.

References to change notices are CN followed by the change notice number.

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Distribution

Available to the public.

Document Identification

Version: 1.01

Prepared by: AEMO Market Systems

Last update: Tuesday, 1 May 2018 3:02 PM

Version History

1.01 Initial version

Documents made obsolete

The release of this document changes only the version of EMMS Technical Specification - MAY 2018.

Further Information

For further information, please visit AEMO's website www.aemo.com.au or contact:

AEMO Information and Support Hub Phone: 1300 AEMO 00 (1300 236 600) and follow the prompts.

Email: supporthub@aemo.com.au

Feedback

Your feedback is important and helps us improve our services and products. To suggest improvements, please contact AEMO's Support Hub.



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1 GLOSSARY

Abbreviations

Abbreviation	Explanation
AEMO	Australian Energy Market Operator
AEST	Australian Eastern Standard Time
EMMS	Electricity Market Management System; software, hardware, network and related processes to implement the wholesale energy market
MTPASA	Medium Term Projected Assessment of System Adequacy
NEM	National Electricity Market
NER	National Electricity Rules; also often just called the Rules

Special terms

Term	Definition
Markets Portal	Access to wholesale energy market web applications: <ul style="list-style-type: none">▪ https://portal.preprod.nemnet.net.au▪ https://portal.prod.nemnet.net.au
Market time	Australian Eastern Standard Time
Participant File Server	Access to Participant ID folders on AEMO's IT systems.
Participant ID	Registered participant identifier
Rules	National Electricity Rules



2 WHOLESALE MARKET SYSTEM PROJECTS

This technical specification describes the projects planned by AEMO from a participant perspective. AEMO provides this information as a service targeting business analysts and IT staff in participant organisations.

P1252 – NEM Settlements Makeup Calculation

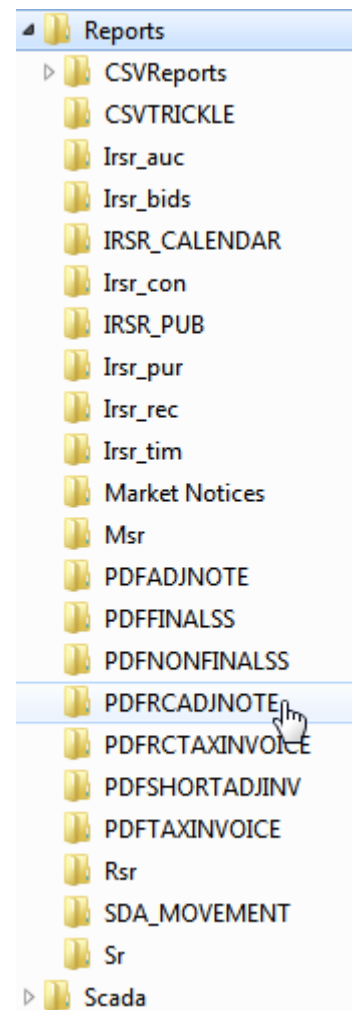
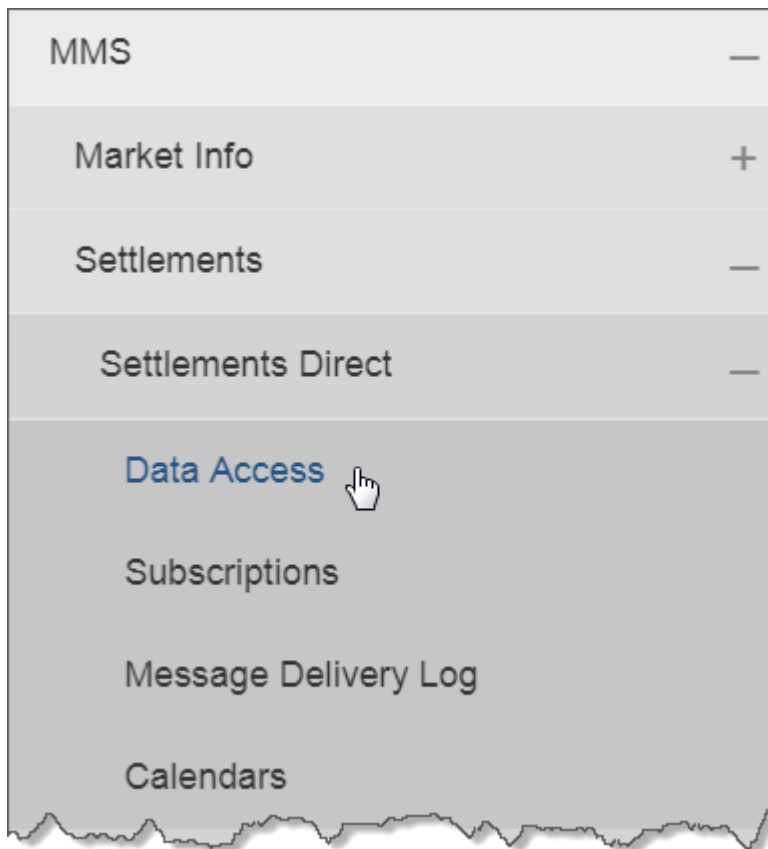
2.1 Overview

In the event of a payment default, AEMO have modified the NEM settlement surplus calculation to do a company level mapping to the Participant ID, where the calculation is based on the company's net amount for the billing week.

2.2 Functional changes

There are three reports generated according to the participant's category:

- Makeup Adjustment Note PDF Statement
- Makeup TXT report





Makeup Adjustment Note PDF Statement

A Makeup Adjustment Note is produced for participants with a MAKEUP apportion payment. It is located on the Participant File Server > Participant ID > Import > Reports > PDFMAKEUPADJNOTE folder.

It is also available in the Markets Portal under Settlements Direct > Data Access.



This is an example only; the published version may differ slightly.

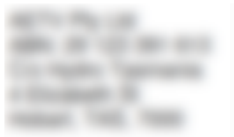
1



MakeUp Adjustment Note

Reference: 2017/027/003 /ParticipantID

Enquiries	1300 361 011
Statement Date	13 Apr 2018
Due Date	17 Apr 2018
Statement Total	\$118.65



Summary of NEM Transactions for Week 27: 02 Jul 2017 - 08 Jul 2017

Description	\$
Energy	0.00
Ancillary Services	0.00
Settlement Residue Auction	0.00
Market Fees	0.00
TNSP Residue	0.00
Smelter-Reduction	0.00
Security Deposits	0.00
Reallocation	0.00
Revision Adjustment	0.00
Revision Interest	0.00
Early Payment Interest	0.00
Other	0.00
GST	0.00
Reassignment	0.00
MakeUp Amount	118.65
Total	118.65

Payment Information:
 Nominated Payment Date: **17 Apr 2018**
 Nominated Payment Method: **Austraclear**
 Market Payments must be made using the Austraclear system. AEMO's Austraclear code is NEMM30

Notes to the statement

In accordance with Rule Clause 3.15.24, the surplus payable to Market Participants due to late payments and/or credit support receipts in respect of defaulting Market Participants are shown above. This amount is payable to Market Participants who have suffered a reduction in payment under Rule Clause 3.15.23.



Makeup TXT Report

A Makeup text report is generated for participants with a MAKEUP apportionment payment. The report is located on the Participant File Server > Participant ID > Import > Reports > EFTMAKE.

This is an example only; the published version may differ slightly.

NEMMCO SETTLEMENT MAKEUP STATEMENT

Date Printed: DD-MM-YYYY **T**
 ParticipantID: NNNNNNNN **C**
 Company name: NNNNNNNN **U** ABN: NNNNNNNN

Late payment amounts have been received by AEMO with respect to the settlement of market transactions for the previous financial year. The amounts received are based on aggregated totals of billing periods effected by shortfall in the last financial year and may include an interest component in accordance with the Rule Clause3.15.25. These amounts are returned to payee Participants to supplement reduced payments made in the previous financial year.

Description		Participant \$	Company \$	Market \$
Aggregate of statement energy amount	E	\$NNN,NNN,NNN.NN		
Aggregate of statement Reallocation amount	F	\$NNN,NNN,NNN.NN		
Aggregate of Total Reallocation + Energy amount	G	\$NNN,NNN,NNN.NN		
Aggregated final statement amount (energy + reallocation)	H		\$NNN,NNN,NNN.NN	
Apportioned Makeup (incl interest)	K	\$NNN,NNN,NNN.NN		
Reassigned Participant Final statement amount:	P	\$NNN,NNN,NNN.NN		
Total energy and reallocation (all payees):	L			\$NNN,NNN,NNN.NN



Total makeup amount received by AEMO:	M			\$NNN,NNN,NNN.NN
Total makeup amount (incl interest) payable:	O	\$NNN,NNN,NNN.NN		

Where:

C = MMS NEAP PID

D = Total statement final amount to be paid by participant previous to shortfall

E = Energy amount as per final statement

F = Reallocation amount as per final statement

G = E + F

H = ΣG for PIDs under CID

K = Apportioned amount to participant

P = Total statement amount

L = $\Sigma NEAP$

M = Makeup for NEM for a given billing week

O = Total make up received for participant

T = Date the file was created

U = this is the NEAP company name and ABN that is used for the PDF statements

P1252 – NEM Settlements Shortfall Calculation

2.3 Overview

In the event of a payment default, AEMO have modified the NEM settlement shortfall calculation to do a company level mapping to the Participant ID, where the calculation is now based on the company's net amount for the billing week.

2.4 Functional changes

A Shortfall PDF statement is provided when a shortfall is authorised. The report is located in the Markets Portal under Settlements Direct > Data Access.



P630 – MTPASA Redevelopment

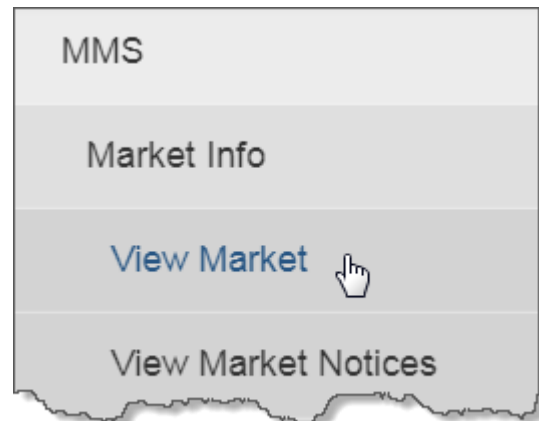
2.5 Website visualisations

Access to MTPASA graphs is now for Registered Participants only; we no longer publish the MT PASA graphs on AEMO's website for public viewing.

You can find the graphs in the Markets Portal under MMS > Market Info > View Market.

This week we will publish the MTPASA graphs to the pre-production wholesale Markets Portal:
<https://portal.preprod.nemnet.net.au>.

Following the MT PASA go-live on 10 May 2018, we will publish the MTPASA graphs on the production wholesale Markets Portal:
<https://portal.prod.nemnet.net.au>.



Participants will not see the new data in the graphs or in their Data Interchange environments until after the first run Tuesday 15 May 2018.



3 DATA INTERCHANGE

Electricity Data Model 4.27

There is no expected change to the Electricity Data Model. It remains at v4.27.

Gas Data Model 1.4

There is no expected change to the Gas Data Model. It remains at v1.4.



4 BASELINE ASSUMPTIONS

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

4.1 Software

The current software versions are:

	Version	Release	AEMO website
Web Services	1.04		Electricity/IT-Systems/NEM/Participant IT Interfaces
Java	8	AEMO RELEASE SCHEDULE EMMSDI7.4	Electricity/IT-Systems/IT-change
Windows service	64 bit JRE	32 bit JRE	n/a

4.2 Data Interchange

	Current version	Still supported
Electricity Data Model	4.27 No updates for this release.	4.26
Gas Data Model	1.4 No updates for this release	1.3
PDR Loader	7.4	7.4
Replication Manager	v3.0.16	v3.0.16
PDR Monitor (replaces Replication Manager)	Not yet released	



5 IMPLEMENTATION

5.1 Approval or agreement to change

There is no approval or agreement to change required for this Release.

AEMO request approval to proceed from all participant change controllers. For approval dates, see Release Schedule EMMS03052018.

AEMO requested approval to proceed from all participant change controllers by close of business (COB) 31 January 2013 in Release Schedule EMMS03052018.

5.2 Transition

There is no transition required for this release.

5.3 Risks

- All changes are on AEMO's systems so no critical impacts to participants identified.