

Change Specification - Ancillary Service Loads - August 2022

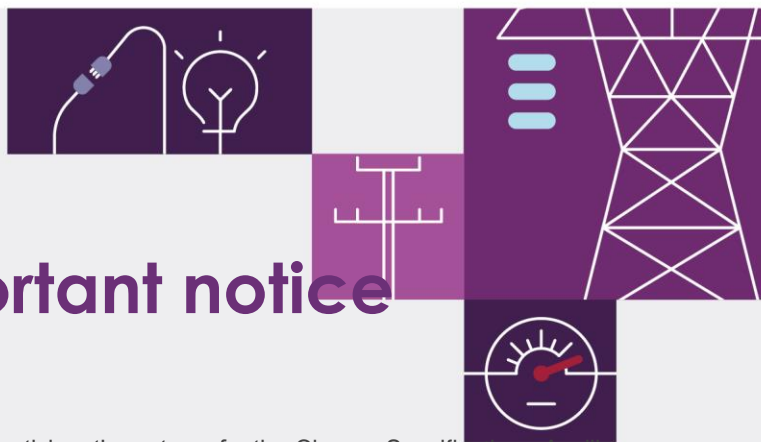
1.00 July 2022

Pre-production: Monday 15 August 2022

Production: Monday 29 August 2022

Release series: PMS0822





Appendix A. Important notice

Purpose & audience

This document describes the technical changes required to participant's systems for the Change Specification - Ancillary Service Loads - August 2022 (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 Electricity Rules (Rules), as at the date of publication.

How to use this document

- A1. If you have questions about the business aspects of these changes, please see Consultations on AEMO's website.
- A2. The references listed throughout this document are primary resources and take precedence over this document.
- A3. Unless otherwise stated, you can find resources mentioned in this guide on AEMO's website.
- A4. **Text in this format** is a link to related information. Some links require access to MarketNet.
- A5. **Text in this format**, indicates a reference to a document on AEMO's website.
- A6. **Text in this format** is an action to perform in the Markets Portal.
- A7. 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.
- A8. Glossary Terms are capitalised and have the meanings listed against them in the **Error! Reference source not found..**
- A9. *Rules Terms have the meaning listed against them in the **National Electricity Rules** (Rules).*

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Distribution

Available to the public.

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Version History

1.00 Initial creation

Documents made obsolete

The release of this document changes only the version of Change Specification - Ancillary Service Loads - August 2022.

Support Hub

To contact AEMO's Support Hub use Contact Us on AEMO's website or for urgent matters phone: 1300 AEMO 00 (1300 236 600).

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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.

1. The primary audience are Demand Response Service Providers (DRSPs) and Market Customers looking to classify new or amend an existing Ancillary Services Load (ASL).
2. The secondary audience is Participant Administrators providing rights to their Participant User to access AEMO's systems.

1.2 Release dates

Scheduled for implementation in:

- Pre-production: Monday 15 August 2022
- Production: Monday 29 August 2022

1.3 Related technical specifications

Title	Description
Market Ancillary Services Specification	Defines the technical requirements to register an Ancillary Service Load

1.4 Related resources

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
Markets Portal Help	Online help providing all procedures to use the Portfolio Management System.
Registration guides	Guides for DRSPs and Market Customers to Classify a market Ancillary Service Load

2 Proposed Timeline

The dates for the Market System User Group Meetings (MSUG) are tentative. We will provide an invitation one week prior to the meeting.

Milestone	Date	Description
Related Documents publication	3 August 2022	Release of guides and resources mentioned in Related resources on page 4
Pre-production implementation	10 August 2022	AEMO implements components of the Release to pre-production for participant testing AEMO has full access to the system during this period Participant access is not restricted; however, the data content or system availability is not guaranteed
Pre-production available	15 August 2022	Testing period begins for participants
Participant/Industry demonstration	15 August 2022	Ancillary Service Load on the Portfolio Management System to be available for industry testing. To express interest in industry testing by writing to portfoliomanagementsystem@aemo.com.au
Participant/Industry Testing	15 August 2022	Unstructured/bilateral participant testing in the pre-production environment
Production implementation	24 August 2022	AEMO implements the release to production
Production systems available	29 August 2022	Production systems available to participants Registration guides updated Note: Registrations to create or amend ASL aggregations must be submitted through the online PMS system from this date.

3 Project/Enhancement

3.1 Goal

The Portfolio Management System (PMS) is an online portal application that simplifies the WDR and Ancillary Service Load application processes for AEMO and participants, providing transparency into the classification and aggregation process to Market Participants.

This change adds functionality for Ancillary Service Load (ASL) application processes for aggregations of non-scheduled sites to provide contingency Frequency Control Ancillary services (FCAS). Once implemented applications to create or amend ASL aggregations must be submitted through the online PMS system.

The PMS functionality supporting the Wholesale Demand Response (WDR) has not been changed. The Electricity MMS Data Model tables supporting PMS are not impacted by this change.

3.2 Support for Ancillary Service Load in PMS

The National Electricity Rules allow Market Customers or DRSPs to classify one or more sites (identified by NMI) as an Ancillary Service Load to provide FCAS in accordance with the [Market Ancillary Services Specification](#). An Ancillary Service Load can be either:

- An aggregation (1 or more) of non-scheduled loads providing Contingency FCAS.
- A Scheduled Load providing Contingency and/or Regulation FCAS.

This change to PMS supports the management of Ancillary Service Loads providing Contingency FCAS from non-scheduled loads. The PMS does not support the registration processes for Scheduled Loads providing Contingency or Regulation FCAS services.

The PMS functions supported for eligible Ancillary Service Loads are:

- Ability to submit and manage applications to create or amend Ancillary Service Load classifications.
- Ability to view the detail and composition for classified Ancillary Service Load aggregations.

3.2.1 Managing an Ancillary Service Load application

The PMS includes screens to manage the lifecycle of an ASL application for non-scheduled aggregations providing contingency FCAS. The features include:

- Create an application for classification and aggregation of ancillary service load once the participant is registered as a DRSP or Market Customer.

- Preview a draft application and rectify system validated errors prior to submission to AEMO.
- See comments and status updates on the application and assessment of attributes within them.
- Re-upload revision versions of the application and new supporting evidence in response to feedback from AEMO.
- View an application, the NMI attributes and aggregation information within it (pre- and post-determination).
- The assessment status of an application.

3.2.2 Visibility for an existing Ancillary Service Load aggregation

- Loads (NMIs) aggregated under each Dispatchable Unit Identifier (DUID) for WDR or ASL and their status.
- The MW Maximum Responsive Component (MRC) of each DUID and NMI.
- The MW maximum capacity of each ASL DUID and NMI.
- The status of the WDRU with respect to dispatch.
- NMI attributes for example, TNI, post code, site details, retail customer.

The system allows submission of new loads, updates to existing aggregations, status setting and declassification of load requests.

3.3 Software user access rights

Participant Administrators (PAs) authorise Participant User access in MSATS. The initial PA is set up by the AEMO system administrator as part of the registration process.

The entity required to access the PMS portal using any interface is:

EMMS – NEM_PORTFOLIO_MANAGEMENT – Portfolio Management Entity.

PMS FUNCTION	ACCESS RIGHTS
READ	Allows user to view information relating to their portfolio
CREATE	Allows user to create applications for groups
UPDATE	Allows user to update their applications and availability on NMIs. Also allows user to submit their application to AEMO

The [Guide to User Rights Management](#) assists participant administrators (PAs) to use the user rights management functions in the MSATS Web Portal

3.4 Access to PMS on Markets Portal

Before you begin, make sure you have access rights to use the Markets Portal.

To access Markets Portal, you will need to identify your organisation's internal Participant Administrator (PA) for assistance.

Contact the AEMO Support Hub using the [Contact Us](#) on AEMO's website or Phone: 1300 AEMO 00 (1300 236 600) if you do not know who your PA is.

To access PMS on Markets Portal, see [Accessing PMS on the Markets Portal](#).

4 Markets Portal

The Portfolio Management System on the Markets Portal now allows DRSPs and Market Customers to manage ASL portfolios. The web interface now includes new functionality to add and manage FCAS applications and portfolios.

The [Markets Portal Help](#) includes updated procedures for WDR applications and adds new procedures to manage an ASL application to provide Frequency Control Ancillary Service (FCAS). See the Markets Portal Help for detailed procedures on how to create and manage FCAS applications.

The following sections show some images from the web interface. For more detailed procedures on how to use the PMS portal, see the [Markets Portal Help](#).

4.1 Applications view

Applications

[Create](#)

Information as at

27/07/2022

Search all applications

[All Applications \(102\)](#) [In Progress \(39\)](#) [Closed \(63\)](#)

Search applications

[Export to CSV](#)

Status	Application ID	Service	DUID	Participant ID	Last updated on	Last updated by
Initial assessment	508	FCAS			26/07/2022 23:50	
Draft	560	FCAS			26/07/2022 17:16	
Final assessment	528	FCAS			22/07/2022 14:31	
Initial assessment	533	FCAS			22/07/2022 13:10	
Draft	526	FCAS			21/07/2022 18:45	
Final assessment	523	FCAS			21/07/2022 11:23	
Draft	469	FCAS			14/07/2022 13:43	

4.2 Portfolio view

Active

Information as at
22/07/2022

Create application

Portfolio summary

Groups
11

NMIs
32

WDR MRC
54 MW

Lower 6sec
10 MW

Lower 60sec
30 MW

Lower 5min
30 MW

Raise 6sec
30 MW

Raise 60sec
10 MW

Raise 5min
30 MW

Details

Groups (28)

WDR NMIs (29)

FCAS NMIs (3)

Applications(46)

General details

Services by region (MW)

Export to CSV

Region	WDR MRC (MW)	Lower 6sec (MW)	Lower 60sec (MW)	Lower 5min (MW)	Raise 6sec (MW)	Raise 60sec (MW)	Raise 5min (MW)
NSW1	30	-	10	10	10	-	10
QLD1	5	-	-	-	-	-	-
VIC1	-	10	10	10	10	10	10

Participant details

Participant ID

Participant type
DRSP

Participant name

Participant ABN
31121803638

Participant status (EMMS)
Registered

Activity

Last updated on
08/11/2021 15:29

Last updated by

Initial effective date
23/11/2021

Created on
08/11/2021 15:29

Created by

Ended on

4.3 DUIDs in a portfolio

Active

Information as at
22/07/2022

Create application

Portfolio summary

Groups
11

NMIs
32

WDR MRC
54 MW

Lower 6sec
10 MW

Lower 60sec
30 MW

Lower 5min
30 MW

Raise 6sec
30 MW

Raise 60sec
10 MW

Raise 5min
30 MW

Details

Groups (28)

WDR NMIs (29)

FCAS NMIs (3)

Applications(46)

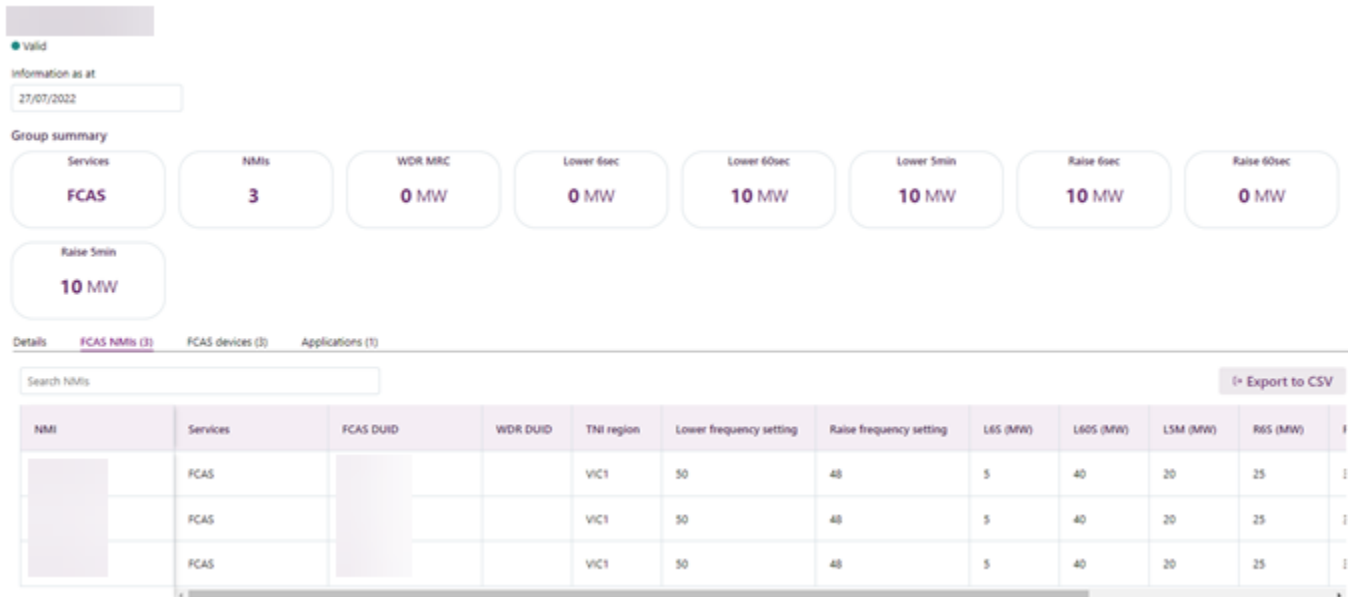
Search groups

Export to CSV

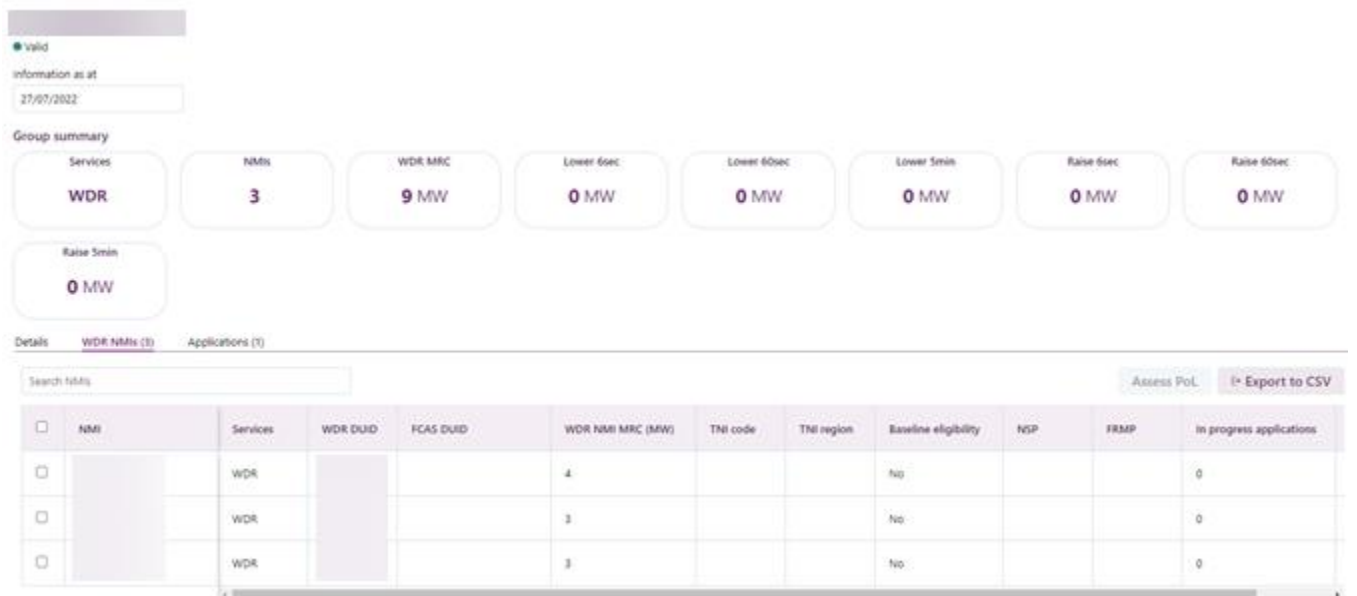
Group name	Group Status	Portfolio	Services	Aggregation	NMIs	DUID	Region	WDR MRC (MW)	WDR Max ran
	Valid		FCAS	No	1		VIC1	0	0
	Valid		FCAS	No	1		NSW1	0	0
	Valid		FCAS	No	1		NSW1	0	0
	In assessment		FCAS	No	0		NSW1	0	0
	In assessment		FCAS	No	0		NSW1	0	0
	In assessment		FCAS	No	0		NSW1	0	0
	In assessment		FCAS	No	0		NSW1	0	0
	In assessment		FCAS	No	0		NSW1	0	0
	In assessment		FCAS	No	0		NSW1	0	0
	In assessment		WDR	No	0		NSW1	10	5

1 2 > 39

4.4 FCAS NMIs view



4.5 WDR NMIs view



5 References

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.

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