

Retail systems and WDR

Fri 6 November 2020

We acknowledge the Traditional Owners of country throughout Australia and recognise their continuing connection to land, waters and culture.

We pay our respects to their Elders past, present and emerging.



Online forum housekeeping











- 1. Please mute your microphone, this helps with audio quality as background noises distract from the information being shared.
- 2. Video is optional, but having it turned off helps with webinar performance and minimises distractions.
- 3. We ask that you utilise the Chat function for any questions or comments you may have if you are unable to use audio.
- 4. If you have dialled in via phone, could you please email your name and organisation to <u>WDR@aemo.com.au</u> for our records.
- 5. Be respectful of all participants and the process.



AEMO Competition Law Meeting Protocol



AEMO is committed to complying with all applicable laws, including the Competition and Consumer Act 2010 (CCA). In any dealings with AEMO regarding proposed reforms or other initiatives, all participants agree to adhere to the CCA at all times and to comply with this Protocol. Participants must arrange for their representatives to be briefed on competition law risks and obligations.

Participants in AEMO discussions must:

- 1. Ensure that discussions are limited to the matters contemplated by the agenda for the discussion
- 2. Make independent and unilateral decisions about their commercial positions and approach in relation to the matters under discussion with AEMO
- 3. Immediately and clearly raise an objection with AEMO or the Chair of the meeting if a matter is discussed that the participant is concerned may give rise to competition law risks or a breach of this Protocol

Participants in AEMO meetings **must not** discuss or agree on the following topics:

- 1. Which customers they will supply or market to
- 2. The price or other terms at which Participants will supply
- 3. Bids or tenders, including the nature of a bid that a Participant intends to make or whether the Participant will participate in the bid
- 4. Which suppliers Participants will acquire from (or the price or other terms on which they acquire goods or services)
- 5. Refusing to supply a person or company access to any products, services or inputs they require

Under no circumstances must Participants share Competitively Sensitive Information. Competitively Sensitive Information means confidential information relating to a Participant which if disclosed to a competitor could affect its current or future commercial strategies, such as pricing information, customer terms and conditions, supply terms and conditions, sales, marketing or procurement strategies, product development, margins, costs, capacity or production planning.

Agenda

NO	TIME (AEDT)	AGENDA ITEM	RESPONSIBLE					
1	10:30am – 10:35am	Welcome	Meghan Bibby (Chair)					
2	10:35am – 10:40am	Session purpose and objective	Meghan Bibby					
3	10:40am – 10:50am	Overview of WDR mechanism rule	Emily Brodie					
4	10:50am – 11:00am	AEMO's WDR implementation program	Neil Batie					
5	11:00am – 11:05am	Update: WDR Retail procedures consultation	Gareth Morrah					
6	11:05am – 11:30am	Workshop: WDR impacts on retail systems	Jackie Krizmanic Meghan Bibby Gareth Morrah					
		BREAK 11:30am to 11:40am						
	11:40am – 12:20pm	Workshop continued	As above					
7	12:20pm – 12:25pm	Next steps	Emily Brodie					
8	12:25pm – 12:30pm	General questions and close	Meghan Bibby					
9	9 APPENDIX: Classification lifecycle							

Session overview

Meghan Bibby



Purpose and objectives

• Purpose:

• Forum for exploring Wholesale Demand Response (WDR) impacts on retail systems

• Objectives:

- Develop a full list of WDR issues affecting retail lifecycle
- Identify potential mitigations and opportunities where feasible and within constraints of the national electricity rules (NER)
- Agree next steps



Scope

In scope:

- MSATS changes
- Impacts to participants from MSATS changes

Out of scope:

- Portfolio Management System
- Registration and Classification Process



Overview of WDR mechanism rule

Emily Brodie



WDR mechanism rationale

Current situation

- Customers can only undertake wholesale demand response via their retailer, facing limited pathways to participate in the NEM.
- Customers can access other *demand response* (out of market) products:
 - Emergency demand response i.e. Reliability and Emergency Reserve Trader (RERT)
 - Network demand response

Final rule

- Facilitates greater access to WDR for large customers whose retailers do not currently offer such products
- Provides reliability- and price-related benefits, including by being an alternative to expensive peaking generation
- Places requirements on DRSPs to participate in central dispatch with a lesser set of obligations than other scheduled participants.

AEMC final determination and rule

- Final determination and rule published on 11 Jun 2020
 - <u>https://www.aemc.gov.au/rule-changes/wholesale-demand-response-mechanism</u>
- Final rule introduced a WDR mechanism that will commence on 24 Oct 2021





AEMO's WDR implementation program

Neil Batie



Partial snapshot of regulatory implementation roadmap

For full details see: <u>https://www.aemo.com.au/initiatives/major-programs/regulatory-implementation-roadmap</u>

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Planned retail schema changes

For full details see: https://www.aemo.com.au/initiatives/major-programs/regulatory-implementation-roadmap

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NEM Wholesale Systems: WDR participant change heatmap

Dispatch



Settlement



Major

impact

Moderate

impact

Power System



Wind and solar availability

VAR/MW dispatch

Some

impact*

WDR

Portfolio management

* Mainly relates to adding DRSP participant type & related attributes

NEM Retail Systems: WDR participant change heatmap



NEM Retail Systems: Combined 5MS + CS + WDR change heatmap



Indicative WDR timeline (including key dates for 5MS and CS) *

Current as of 29 Oct 20



Update: WDR Retail procedures consultation

Gareth Morrah



Retail procedures & B2B guide consultation

Key consultation issues:

- Consequential changes to Retail Procedures
 - MSATS Procedures CATS Procedure
 - MSATS Procedures WIGS Procedure
 - Metrology Procedure Part B
 - Retail Electricity Market Glossary and Framework
- B2B PIN transaction
- B2B Guide and B2B Accreditation Process

Consultation stage	Date
Publish issues paper	12 Oct 2020
Submissions due	17 Nov 2020
Publish draft procedure & determination	15 Dec 2020
Submissions due	2 Feb 2021
Publish final procedure & determination	16 Mar 2021

Issues paper and the proposed changes to the documents are available at: https://aemo.com.au/consultations/current-and-closed-consultations/retail-procedures-wholesale-demand-response

Existing retail procedures are listed at:

https://aemo.com.au/initiatives/trials-and-initiatives/wholesale-demand-response-mechanism/wdr-procedure-and-guideline-consultations/work-package-3-retail



Workshop: Retail systems and WDR

Jackie Krizmanic, Meghan Bibby and Gareth Morrah



WDR Registrations impact on NMIs

- The NMI will go through two lifecycles
 - Classification lifecycle [see appendix]
 - Retail lifecycle [main item for discussion today]



Retail lifecycle

NMI creation	NMI Discovery/ Standing Data	NMI Role assignment	Metering changes	Role changes	NMI re/de- energisation	NMI extinction	Removal of DRSP role in MSATS
NMI and relevant standing data will be created by LNSPs. A NMI must exist before it can be classified as a WDRU	NMI Discovery will be performed just like it is today with a DRSP role returning in the discovery if a DRSP has been assigned. DRSPs will have access to standing data.	DRSP role assignment will be performed by AEMO using the CR5101	Metering changes will happen as per todays processes. DRSPs will be notified upon completion if they have a relationship with the NMI	Role changes will happen as per todays processes. DRSPs will be notified upon completion if they have a relationship with the NMI	Re-en/de- en processes will happen as per todays processes. DR SPs will be notified of NMI status changes via completion of change requests if they have a relationship with the NMI.	Extinction processes will happen as per todays processes. DRSPs will be notified of NMI status changes via completion of change reque sts if they have a relationship with the NMI.	DRSP removal will be processed by AEMO by assigning a participant id that reflects that no DRSP is assigned to the NMI.



WDR impacts: NMI creation



WDR impact	Proposed approach	Responsibility
No change	Process is as today	LNSP



WDR impacts: NMI Discovery/ Standing Data Access



WDR impact	Proposed approach	Responsibility
New role	A new role of DRSP will be created	AEMO
Role discoverability	The new role will be discoverable in Type 2 NMI Discovery	AEMO
Standing data access	The DRSP will be entitled to access standing data as per CATS Procedures	AEMO



WDR impacts: NMI Role Assignment



WDR impact	Proposed approach	Responsibility
Assignment of role to relevant NMIs	DRSPs will be assigned to NMIs that have been classified as Wholesale Demand Response Units	AEMO







WDR impacts: Meter Changes



WDR impact	Proposed approach	Responsibility
No change	DRSPs will receive notifications when change requests complete to allow them to have the most up to date information.	AEMO



WDR impacts: Role Changes



WDR impact	Proposed approach	Responsibility
No change	DRSPs will receive notifications when change requests complete to allow them to have the most up to date information.	AEMO



WDR impacts: Re-energisation and de-energisation processes



WDR impact	Proposed approach	Responsibility
No change	DRSPs will receive notifications when change requests complete to allow them to have the most up to date information.	AEMO



WDR impacts: NMI Extinction



WDR impact	Proposed approach	Responsibility
No change	DRSPs will receive notifications when change requests complete to allow them to have the most up to date information.	AEMO



WDR impacts: Removal of DRSP Role



WDR impact	Proposed approach	Responsibility
Participant ID will be assigned to the role.	A participant ID will be created to replace the DRSP participant id to show that a DRSP no longer exists and the NMI is no longer a classified WDRU.	AEMO



Summary

NMI creation	NMI Discovery/ Standing Data	NMI Role assignment	Metering changes	Role changes	NMI re/de- energisation	NMI extinction	Removal of DRSP role in MSATS
No change	 AEMO to create new DRSP role DRSP role will be discoverable in Type 2 NMI Discovery DRSP will be entitled to access standing data as per CATS Procedures 	• AEMO to assign DRSP role to relevant WDRU NMIs	No change	No change	No change	No change	• AEMO to create a participant ID to replace the DRSP participant ID showing that a DRSP no longer exists and the NMI is no longer a classified WDRU.



Discussion

- What gaps are there in the retail lifecycle identified above?
- What impact will there be on participants' if AEMO implements MSATS configuration changes:
 - late May 2021 in pre-production, followed by production in June 2021
 - early October 2021 in pre-production, followed by production in late October 2021



Next steps

Emily Brodie



Feedback sought

Date	Action
Thu 12 Nov	 Attendees to confirm via <u>wdr@aemo.com.au</u> whether they would like to join the WDR mailing list. Follow-up to this workshop will be managed via this channel
Fri 13 Nov	AEMO to send out meeting notes
Tue 17 Nov	• Attendees to consider making a submission to the WDR retail procedures issues paper
Fri 20 Nov	 Attendees to provide feedback on WDR impacts to <u>wdr@aemo.com.au</u>



WDR contact and information



Mailbox: wdr@aemo.com.au



WDR program information:

https://aemo.com.au/initiatives/trials-andinitiatives/wholesale-demand-responsemechanism



WDR stakeholder engagement options:

https://aemo.com.au/consultations/industry -forums-and-working-groups/list-ofindustry-forums-and-working-groups/wdr

Where your business has already been engaged in the WDR program, speak directly with your representatives for background information and the current context.



Thank you for your attendance and participation!



APPENDIX: Classification lifecycle



Classification lifecycle



*PM system = AEMO's new portfolio management system

