

WDR Consultative Group #04

Tuesday 22 September 2020

WebEx only

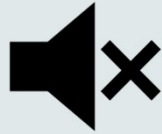
Please disconnect from your workplace VPN for WebEx call

**PLEASE NOTE THIS MEETING WILL BE RECORDED FOR THE
PURPOSE OF PREPARING MINUTES**

*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 WDR@aemo.com.au 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	10:00am – 10:05am	Welcome	Ruth Guest (Chair)
2	10:05am – 10:15am	Notes, actions and feedback from previous meeting	Emily Brodie
3	10:15am – 10:20am	Update: Stakeholder engagement	Emily Brodie
4	10:20am – 10:40am	Update: WDR Guidelines and TWG	Greg Ruthven
5	10:40am – 11:00am	Overview and approach to DRSP registration, WDRU classification and aggregations	Adam Gorton
BREAK 11:00am to 11:10am			
6	11:10am – 12:10pm	Discussion: WDR Scenarios	Ruth Guest Basilisa Choi
7	12:10pm – 12:15pm	Forward meeting plan	Emily Brodie
8	12:15pm – 12:30pm	General questions and close	Ruth Guest
APPENDIX			
A	Project schedule		
B	Procedure changes		
C	Update: Regulatory Implementation Roadmap		

Notes, actions and feedback from previous meeting

Emily Brodie

Responses to WDR CG #3 meeting actions (1/4)

#	Topic	Action	Response
03.04.01	Update on Retail and B2B procedure changes	AEMO to clarify the B2B procedure versioning and timing for v3.5 and v3.6.	AEMO is clarifying that the B2B Guide will be included in retail procedures consultation (starting October), <i>not</i> as part of the B2B procedures v3.6 consultation as previously advised. In relation to B2B procedure versioning: - v.3.4 cover 5MS changes (MDFF file size) and is effective from 1 Oct 2021 - V3.5 covers "service order changes" and is effective from 10 Nov 2021 (industry agreed date) - V3.6 covers life support changes (process changes only) and is effective from 10 Nov 2021 (also industry agreed date) For further clarifications, please reach out to your B2B working group representative or contact b2bwg@aemo.com.au.
03.06.01	TWG debrief	WDR CG to suggest other topics or issues to discuss at the next TWG, prior to release of the consultation paper.	Two responses: - Both agreed with the topics already proposed - Both requested a discussion on telemetry/comms - This will be included in the agenda for TWG #2 on 12 October - One requested a discussion on the "day-of adjustment" cap and RRMSE threshold for baselines (see response to baselines action 03.08.01 below)
03.07.01	Approach to WDRU dispatch	AEMO to consider communicating information on options for participating in demand response in the NEM more to a wider audience.	AEMO has offered a WDR information session for large users to MEU, EUAA and SACOME. The forum would be for sharing information on and discussing WDR implementation as it relates to large electricity users.

Responses to WDR CG #3 meeting actions (2/4)

#	Topic	Action	Response
03.08.01	Baselines	WDR CG to provide any feedback relevant to the development of the WDR baseline methodology (BLM)	Two responses: • One had no comment at this stage • One seeking information on: • imposition of cap on day of adjustments and RRMSE. - AEMO notes that it is investigating a variety of daily adjustments via its consultant. • Name of consultants undertaking the baseline work. - Consultant is Oakley Greenwood. Next steps: • AEMO intends to share high level modelling results with WDRCG at the October meeting (if available) • AEMO will convene the Technical Working Group in mid-November. Discussions will include the modelling results and, if available, the operational aspects of implementing the BLM (including thresholds for accuracy/bias metrics) • Participant feedback will be considered when determining the BLM

Responses to WDR CG #3 meeting actions (3/4)

#	Topic	Action	Response
03.09.01	Approach to dispatch compliance	WDR CG members to provide feedback on why they believe the dispatch compliance process should/should not be included in the WDR Guidelines and within what timeframe.	Three responses: • One had no comment at this stage • One noted the value in including them in the Guidelines for ease of reference, but noted they address quite different issues. • One indicated no strong preference to including the dispatch compliance process in the WDR Guidelines or in a separate document, so long as any new document would be subject to a rules consultation procedures. It noted that if the dispatch compliance process was included in the WDR Guidelines, it was comfortable with including it in a subsequent iteration of the Guidelines to avoid any timing issues. AEMO expects that the design of the dispatch compliance process will not be complete in time for inclusion in the initial WDR guidelines. AEMO will consider adding this process to the WDR guidelines in a future iteration, and is open to further feedback on the best approach to documenting this process.

Responses to WDR CG #3 meeting actions (4/4)

#	Topic	Action	Response
03.09.02	Approach to dispatch compliance	WDR CG to advise the specific aspects of the WDR mechanism rule it would like more information on with respect to AEMO's discretion.	Two responses, neither of which had a comment at this stage.
03.09.03	Approach to dispatch compliance	Subject to Action 03.09.02 and as appropriate, AEMO to develop a table/s describing its level of discretion in the specific aspects of WDR (as nominated by the WDR CG).	No action at this stage (see 03.09.02 above)
02.06.01	Forward meeting plan	WDR CG to provide WDR scenarios to AEMO.	One response stating no comment at this stage. Keep action open.
02.06.02	Forward meeting plan	AEMO to develop worked examples of how WDR will work in practice using scenarios provided by the WDR CG.	To be discussed at this WDR CG #4 meeting.
01.12.01	Forward meeting plan	Provide feedback on topics and issues for future WDR CG agendas	One response stating no comment at this stage. Keep action open.

Stakeholder engagement update

Emily Brodie

WDR meetings in planning stages

- **5MS/WDR implementation forum**
 - **Timing:** Early October (TBC)
 - **Purpose:** Discussion on managing dependencies between the 5MS, Customer Switching and WDR implementations.
- **DNSP forum**
 - **Timing:** Mid to late October
 - **Purpose:** Forum for sharing information on and discussing potential WDR impacts on distribution networks.
- **WDR retail procedures workshop**
 - **Timing:** Early November
 - **Purpose:** To test the retail procedures against a WDRU NMI lifecycle (creation to de-energisation and extinction).
- **WDR technical working group**
 - **Timing:** Mid November
 - **Purpose:** Discussion on WDR baselines and WDR guidelines issues paper
- **Large user forum**
 - **Timing:** TBC
 - **Purpose:** Forum for sharing information and discussing WDR implementation as it relates to large electricity users.

Website update Sep 2020

WDR MECHANISM

<https://aemo.com.au/initiatives/trials-and-initiatives/wholesale-demand-response-mechanism>

- Background
- AEMO's program and industry engagement
- How to get involved
- Reference information

WDR CONSULTATIVE GROUP (Including TWG)

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

- Context
- Terms of reference
- Meeting calendar
- Meeting information (packs, notes etc)

WDR PROCEDURE CONSULTATIONS

<https://aemo.com.au/initiatives/trials-and-initiatives/wholesale-demand-response-mechanism/wdr-procedure-and-guideline-consultations>

- WDR guidelines
- Affected procedures/guidelines
- High-level impact assessments (HLIA)
- Consultation status

Proposed WDR website development Sept/Oct 2020

Participant WDR implementation

- WDR examples
- FAQs for:
 - Existing participant maintaining existing role/s
 - Existing participant adding a DRSP role
 - New participant adding a DRSP role
 - DNSPs

AEMO WDR implementation

Regularly updated information on development of:

- | | |
|-----------------|-----------------------------|
| – Baselineing | – Forecasting |
| – Registrations | – Retail systems |
| – Prudentials | – Settlements |
| – Dispatch | – Demand-side participation |

DISCUSSION: What other web material would be of value to participants??

WDR guidelines and TWG

Greg Ruthven

Summary of positions from TWG #1

Topic	Position
Scope of guidelines	In addition to mandatory content, WDR guidelines expected to also include information on baseline methodology (BLM) metrics and baseline compliance testing
Principles for guidelines	Principles that AEMO must consider when amending WDR guidelines to include: • Ensuring adequate power system operation, and the maintenance of power system security and reliability of supply • Recognition of the different ways that end users can provide demand response
Timeline for developing guidelines	AEMO to continue along proposed timeline, targeting Issues Paper in Oct 2020 and draft determination/draft guidelines in Dec 2020, to allow for final guidelines in Mar 2021
Baselines	Single BLM for start of WDR mechanism, to be developed using the RERT methodology (CAISO 10 of 10) as a starting point (pending independent advice and stakeholder input)
Assessing power system security impact of aggregation	5 MW default threshold to trigger assessment of power system security impact of WDR aggregation (noting that smaller aggregations may require assessment)
Telemetry & communications	SCADA (or alternative) to be required for sites with maximum responsive component (MRC) of 5 MW or greater at a connection point (may be required for smaller sites if located in a congested area of the power system) SCADA-lite expected to be included as a telemetry/comms option in the WDR guidelines
Maximum responsive component (MRC)	Plant will need to be commissioned prior to participation in WDR, such that observed load supports decision on MRC (also required to assess baseline compliance)

TWG Meeting 2

- Second meeting – Mon 12 Oct, tentatively 1-5pm AEST
- Agenda to include:
 - Notes, actions, feedback from TWG #1
 - Matters carried over from TWG #1 (additional requirements for classification and aggregation, evidence required for Maximum Responsive Component)
 - Telemetry and communications requirements
 - Methodology for regional thresholds for increased visibility
 - Baseline processes
 - Arrangements for provision of WDRU-specific data
 - WDR guidelines: next steps

Indicative SCADA requirements (1/2)

- SCADA (or equivalent) visibility supports:
 - Operational forecasting
 - Constraint management
 - Diagnosis and remedial action in the event of power quality issues
- To meet these needs, SCADA data (where required) to include aggregated active and reactive power values
 - *Basis of numbers (e.g. absolute, deviation) under consideration*
- Where applicable, consistency of requirements with generation
 - E.g. 5 MW of aggregated WDR at a single TNI is similar to 5 MW generator
- Some flexibility of requirements needed for weaker areas of the power system

Indicative SCADA requirements (2/2)

- SCADA (or equivalent) to be required:
 - Any individual WDRU ≥ 5 MW
 - Total WDR classified by DRSP of ≥ 5 MW behind a TNI
 - *Requirements for dispersed aggregated WDR under consideration*
- Where power system conditions require, SCADA (or equivalent) requirements may be applied:
 - Below 5 MW in weaker areas of the power system, or where WDR of multiple DRSPs in that area require increased monitoring
 - For neighbouring groups of TNIs
- SCADA (or equivalent) also required for any new WDRU in a region once the regional threshold (3.10.1(c)) is reached – *methodology under development*

DISCUSSION: Can stakeholders advise why they may not choose to aggregate WDR at a single TNI?

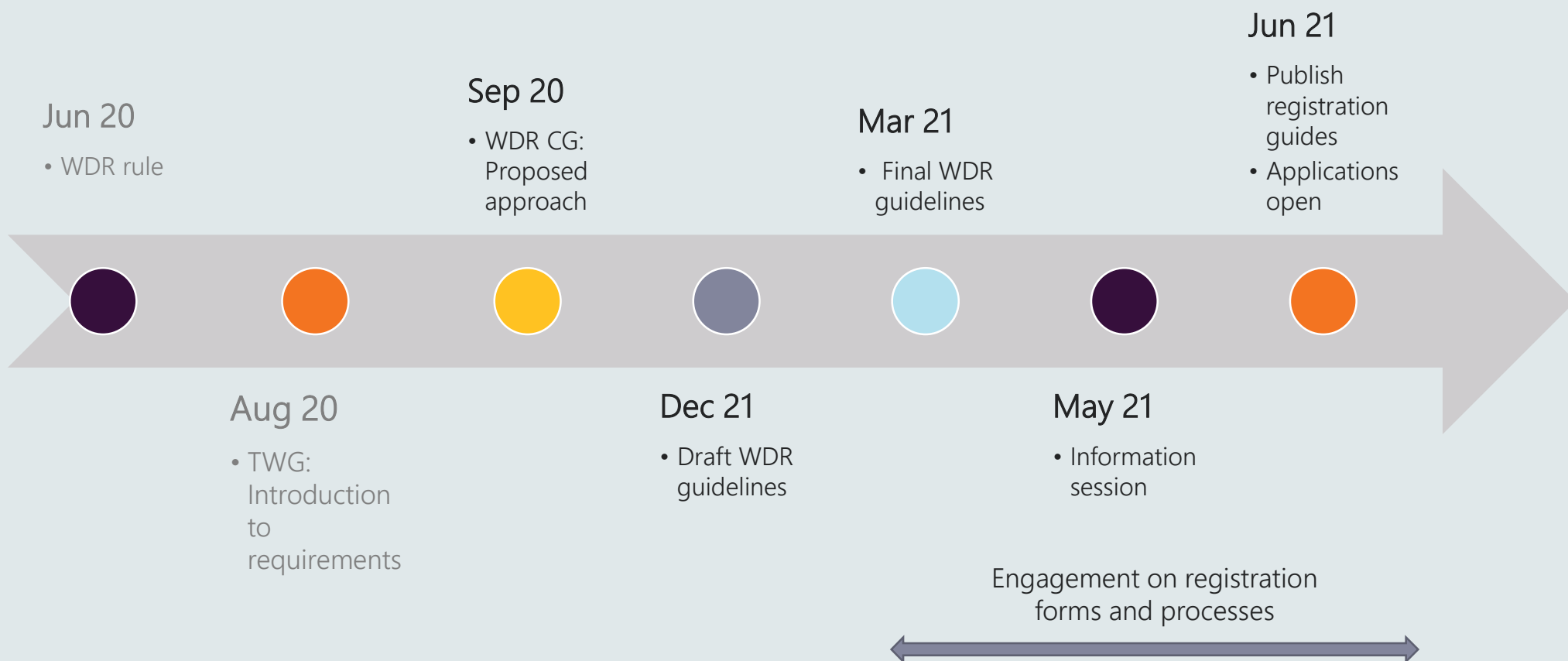
Indicative WDR guidelines timing

Stage		Indicative dates
TWG #1		11 Aug 20
TWG #2		12 Oct 20
1st Round Consultation	Issues paper published	22 Oct 20
	Submissions due on Issues Paper	27 Nov 20
2nd Round Consultation	Draft Report/Draft Guidelines published	Late Dec 20
	Submissions due on Draft Report/Draft Guidelines	Jan/Feb 21
Final Report/Final Guidelines published		Mar 21

Overview and approach to: DRSP registration WDRU classification Aggregations

Adam Gorton

INDICATIVE approach to WDR registration, classification and aggregation



Context:

- DRSP registration/WDRU classification process details are dependent on final WDR guidelines.
- The information session will include details on:
 - Applying to register for first time
 - Applying to classify load if already a registered participant

WDR registration application requirements

The information provided by AEMO on WDR is general and may not be appropriate for any participant's particular situation or market activities. Please also refer to AEMO's [privacy and legal notices](#).

REGISTER DRSP

NER 2.9.2(b)

1. Ancillary Service Load or Wholesale Demand Response Unit classification approval
2. Fulfil the applicable financial obligations under Chapter 3 of the Rules
3. Applicant has demonstrated an ability to comply with the Rules

CLASSIFY WDRU

NER 2.3.6(e)

1. Qualifying load
2. Provide WDR in accordance with the Rules
3. Providing a quantity of WDR at least equal to the maximum responsive component
4. DRSP has adequate telemetry and communications
5. Baseline methodology applied to the load:
 - produces a baseline that satisfies the baseline methodology metrics, and
 - any criteria in the WDR guidelines
6. Schedule 3.1 data
7. WDR guidelines requirements

AGGREGATE WDRUs

NER 3.8.3(b2)

1. Aggregated WDRU must be connected within a single region and classified by the same DRSP
2. Power system security must not be materially affected
3. Control systems must satisfy WDRU classification requirements after aggregation
4. WDR guidelines requirements

Supporting information

Application type	Registration considerations	Details	Indicative timing
• Registration	Demonstrate ability to comply with rules	• Organisation and personnel information • Operational and system readiness	May 2021: Registration information session Jun 2021: Published registration application form and guide
• Registration	Chapter 3 Financial obligations	• Registration fee • Austraclear Membership • Recipient Created Tax Invoice • Credit Support	
• Classification	Qualifying load	• Identified by connection point NMI • Retail customer consent declaration • WDR arrangements declaration	
• Classification • Aggregation	Specify maximum responsive component	• Information required set in the DRSP registration form	
• Classification	Baseline requirements	• Requirements set in the WDR guidelines	Dec 2020: Draft WDR Guidelines Mar 2021: Final WDR Guidelines
• Classification • Aggregation	Telemetry and communications requirements	• Requirements set in the WDR guidelines	
• Aggregation	Aggregation and power system security	• AEMO guidance provided in WDR guidelines	

Registration process and approach

STEP 1: SUBMIT APPLICATION

Submit registration application using prescribed form:

- Classification category
- Applicant details
- Contact details
- Required information
- ASL information
- WDRU information
- IT Systems

STEP 2: INITIAL ASSESSMENT

AEMO must within 5 business days assess the application and advise if it is:

- incomplete or
- contains information upon which AEMO requires clarification.
- Assessment will be performed by ~10 different AEMO business units

STEP 3: SUPPLY INFORMATION

If requested, applicant must supply further information or clarification to AEMO

STEP 4: **FINAL** ASSESSMENT

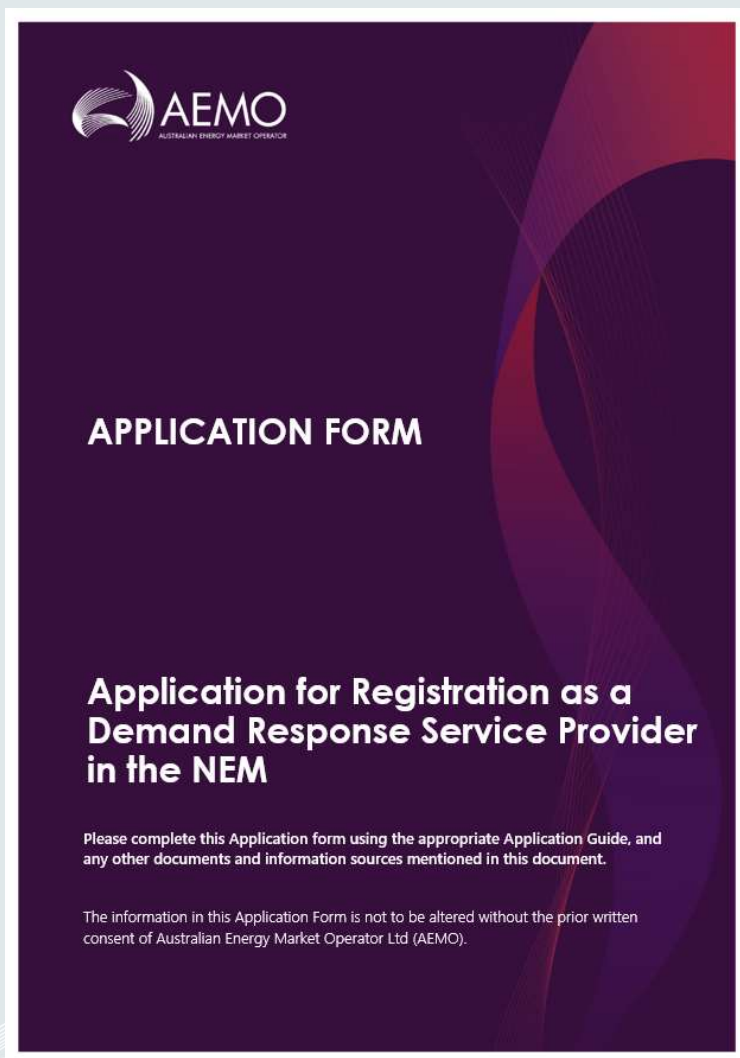
Application is determined complete once all further information or clarification is provided

STEP 5: REGISTRATION

Participant registration committee must make determination within 15 business days from sign off

- DRSP IT system setup occurs concurrently during initial registration process
- Application to register, classify and aggregate will be jointly processed
- Subsequent applications to classify or aggregate will be processed via a new portfolio system

Prescribed registration forms and processes



The image shows the front cover of an AEMO application form. The background is dark purple with abstract, flowing, lighter purple and red shapes on the right side. In the top left corner is the AEMO logo, which consists of a stylized 'A' made of three curved lines followed by the text 'AEMO' and 'AUSTRALIAN ENERGY MARKET OPERATOR' in smaller letters below it. The title 'APPLICATION FORM' is written in white, bold, uppercase letters in the upper middle section. Below this, the subtitle 'Application for Registration as a Demand Response Service Provider in the NEM' is written in white, bold, uppercase letters. At the bottom, there are two lines of smaller white text: 'Please complete this Application form using the appropriate Application Guide, and any other documents and information sources mentioned in this document.' and 'The information in this Application Form is not to be altered without the prior written consent of Australian Energy Market Operator Ltd (AEMO).'

- AEMO will design forms and processes to enable the joint submission and assessment of applications to register, classify and aggregate ahead of market start
- Registration forms capture information required by AEMO to determine whether an application meets the applicable requirements
- AEMO will develop registration guides to assist proponents submit applications. These guides will not set additional requirements

DISCUSSION

- What are your views on the proposed approach to:
 - DRSP registration
 - WDRU classification/aggregation?
- Do you support registration forms that are designed to enable joint applications to register, classify and aggregate? Why/why not?
- As potential DRSP, how likely will stakeholders apply to AEMO to classify the same load as both a WDRU and ASL?
- Do you support registration forms that are designed to enable applications for DRSP registration and both ancillary service load (ASL) classification/aggregation and WDRU classification/aggregation? Why/why not?

Registration: contact and information



Mailbox

onboarding@aemo.com.au



Registration information

<https://aemo.com.au/energy-systems/electricity/national-electricity-market-nem/participate-in-the-market/registration>

BREAK



WDR scenarios

Ruth Guest and Basilisa Choi

Scenarios

1. Inability to respond within dispatch interval
2. Load shedding by NSP
3. Bidding and receiving dispatch instructions
4. Maximum responsive component (MRC) capping in settlement

Scenario 1: Inability to respond within dispatch interval

Scenario 1

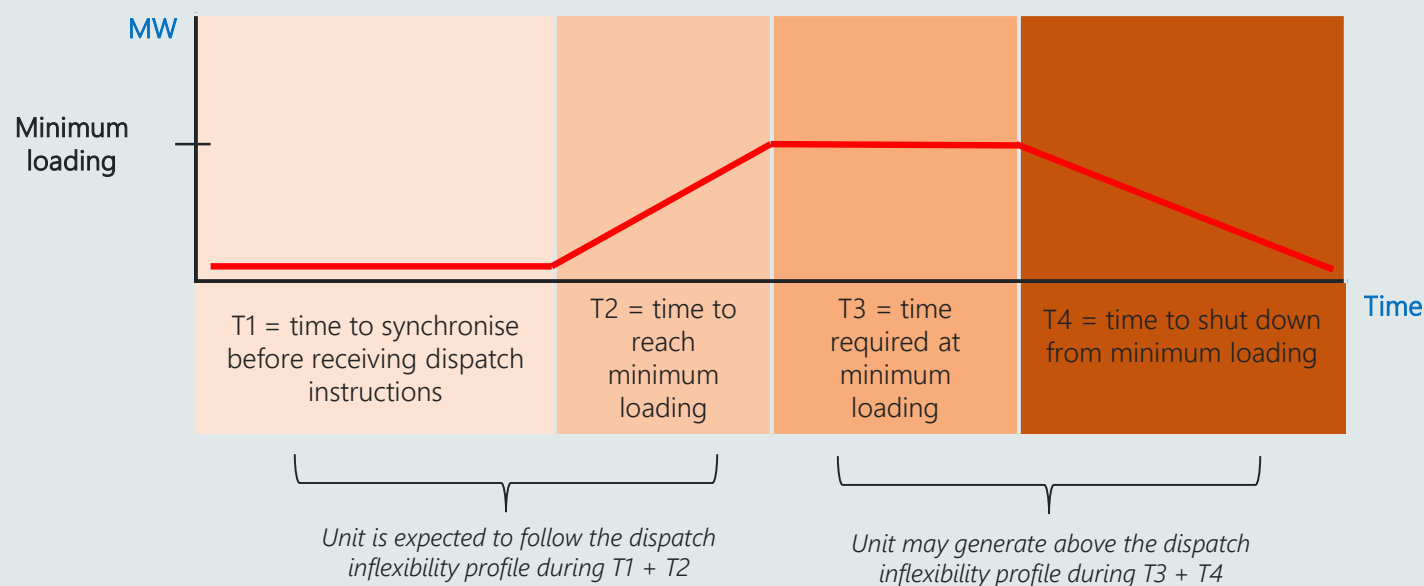
If a WDR DUID requires 15 mins to have someone on site manually walking around to shut off equipment to reach maximum demand response, how will this be managed in the bidding and dispatch targets?

Response

- Bidding and dispatch obligations of scheduled WDR units need to be managed by the DRSP
- AEMO does not have discretion to change the dispatch framework for DRSPs (e.g. introduce a new category of advance-notice dispatch instructions)
- Mechanisms that can be utilised where plant (generators or loads) are not sufficiently flexible to respond to dispatch timeframes, include:
 - Ramp rates
 - Fast start inflexibility profile (FSIP) bidding (see next slide)
 - Business strategies (see slide after next)

Fast Start Inflexibility Profile (FSIP): Generation

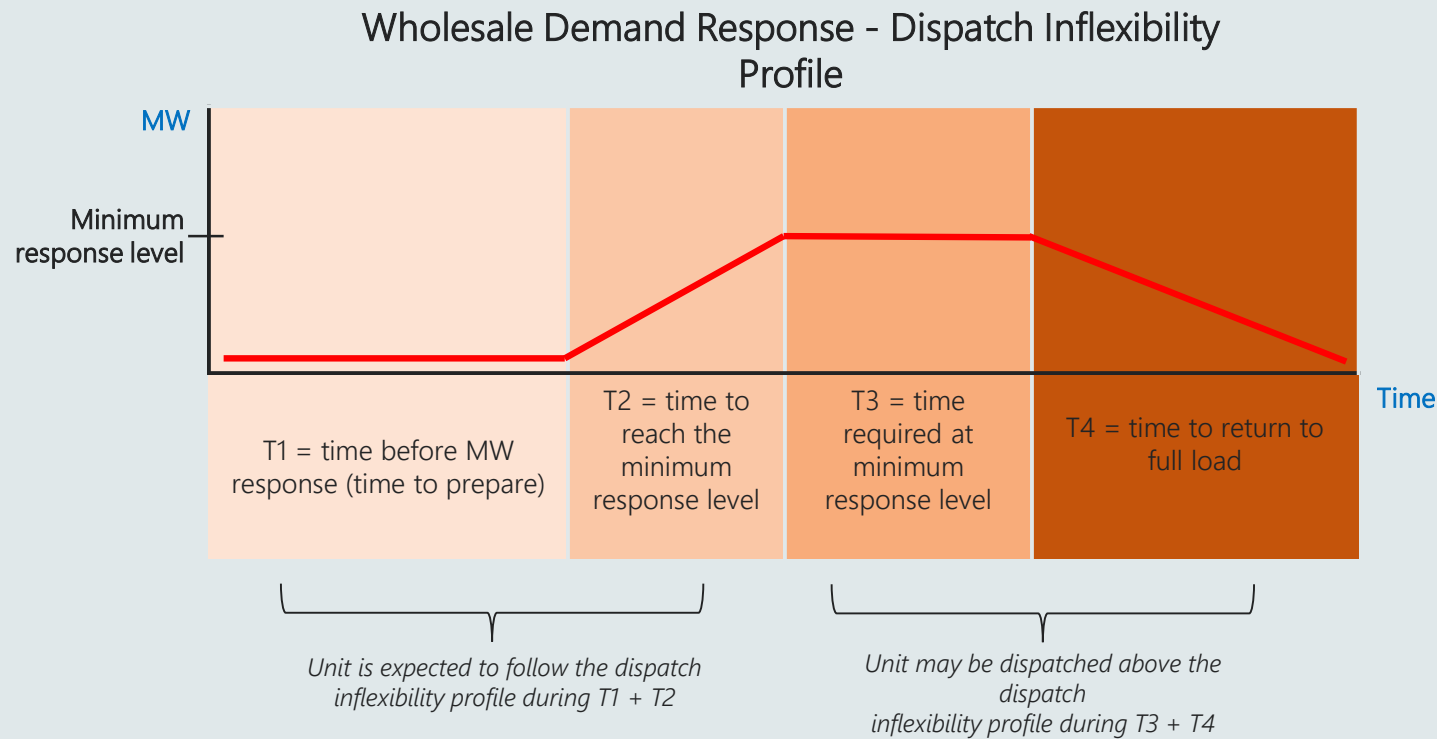
Generation - Dispatch Inflexibility Profile



FISP Bid Validation	T1, T2, T3, T4	≥ 0 mins
	T1 + T2	≤ 30 minutes
	T1 + T2 + T3 + T4	< 60 minutes

For more information refer to the [Fast Start Unit Flexibility Profile Model](#)

Fast Start Inflexibility Profile (FSIP): Wholesale demand response



FISP Bid Validation	T1, T2, T3, T4	≥ 0 mins
	T1 + T2	≤ 30 minutes
	T1 + T2 + T3 + T4	< 60 minutes

For more information refer to the [Fast Start Unit Flexibility Profile Model](#)

Business Strategy

AEMO does not provide advice on business or bidding strategies

Conceptually, ideas might include:

- Identify a day that is likely to be high price, high demand
- Assess the best time to dispatch considering:
 - industrial process
 - likely NEM spot price and WDRRR
- Submit a bid at a low price e.g. at level (relative to the WDRRR) to cover marginal cost of providing demand response. Generally, the demand response will be dispatched when the bid price is lower than the spot price
- Prepare for load curtailment process before dispatch instruction is received
- If non-zero MW dispatch instruction is issued, demand response must be delivered and the demand response will be settled.
- If the dispatch instruction changes from non-zero MW to zero MW, DRSP must restore to the full load within the dispatch interval.

Scenario 2: Load shedding by NSP

Scenario 2

How can a WDR DUID bid itself out of the market when it has been required by a transmission or distribution network (or some other mandatory obligation) to shed load?

Response

- Set WDR unit maximum availability ("max avail") to zero in your bid to bid yourself out of the market in the above scenario.
- Note that there are restrictions under the rules from taking part in more than one mechanism for demand response
 - RERT
 - Non-scheduled price responsive demand

Scenario 3: Bidding and receiving dispatch instructions

Scenario 3

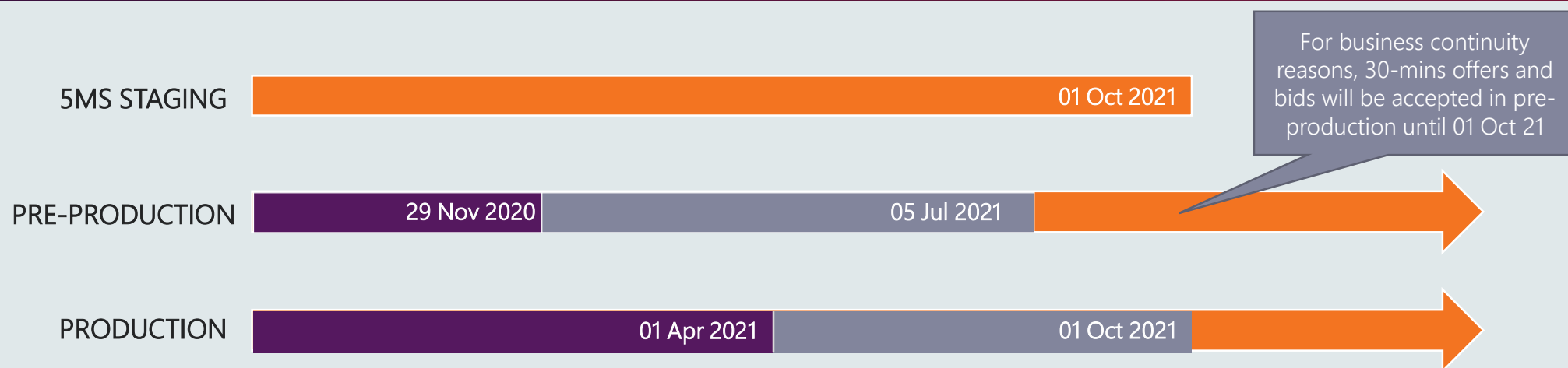
What systems are required for a WDR DUID to receive dispatch instructions?

Response

Large users who wish to participate in WDR can either:

- Become a DRSP and set up the required systems to bid and receive dispatch instructions, or
- Contract a 3rd party DRSP to manage WDR bidding and/or dispatch on their behalf
- Systems requirements for participants (generators or loads) *to submit bids and offers* are described in the AEMO [*"Format and Validation for... Bids and Offers"*](#) document. The same system is required for participants *to receive dispatch instructions*.
 - [Market Management System \(MMS\)](#) is the primary mechanism to receive dispatch instructions. The CSV file containing dispatch instruction will be issued to a predefined folder in the MMS Participant File server via FTP.
 - Web Portal or EMS can be used as a back-up system to receive dispatch instructions.
- WDR participants should also be aware that:
 - There are new FTP bid file formats and bid file delivery options set through the Five-minute settlement program (see next slide)
 - Notification of dispatch instructions via email or SMS (as is done for RERT, but not for scheduled generation) is out of scope for AEMO's WDR program.

Transition to 5-minute bidding



LEGEND

LEGACY	BIDDING TRANSITION	5MS RULE
30-min bidding only via: - FTP (txt) - Web Bidding (Legacy)	30-min bidding via: - FTP (txt) - Web Bidding (Legacy) 5-min bidding* via: - FTP (JSON) - Web Bidding (5MS) - API <i>*Each 5-min bid within each half hour must be identical, giving the same effect as the submission of a 30-min bid.</i>	5-min bidding** only via: - FTP (JSON) - Web Bidding - API <i>**30-min bid emulation restriction lifted</i>

Scenario 4: MRC capping in settlement

Scenario 4

Settlement for a facility that could provide 10 MW but has a MRC capped at 6 MW

Response

- A facility's MRC should be set at an appropriate level
- If a facility is capable of 10MW of DR, then its MRC should also be 10MW

Context

WDR settlement	NER
WDR is dispatched at the aggregate level, represented as a DUID	3.8.2A(a)
Each DUID will have a <i>maximum responsive component</i> (MRC) which sets the maximum demand response that can be bid	3.8.3, 3.8.7B(i): Definition of <i>maximum responsive component</i>
Each NMI in an aggregation will have a MRC	2.3.6(b)(2)
Sum of NMI MRCs in an aggregation $\geq$ MRC for the DUID	3.8.3(b2): Definition of <i>maximum responsive component</i>
All settlement occurs at the individual connection point (NMI) level	3.15.6B

Relationship between settlement and dispatch compliance

- WDR dispatch compliance will occur at the aggregate/DUID level
- Dispatch compliance process has **no impact** on the settlement process **except** with respect to each NMI's MRC

Scenario 4: MRC capping continued

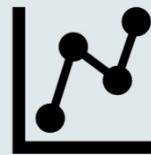
Scenario 4

Settlement for a facility that could provide 10 MW but has a MRC capped at 6 MW



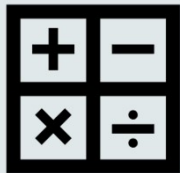
Facility A:

- MRC of 6MW
- Typical consumption of 12 MW
- WDR baseline = 5 mins @ 12 MW



Demand response event:

- Dispatched for 5 mins @ 6 MW demand response
- Consumption goes to 4 MW for the 5 mins



SETTLEMENT CALCULATION: Where settlement amount capped for MRC = energy settled at RRP and WDRRR

Baseline	= 5 mins @ 12 MW	= 1.00 MWh
Consumption	= 5 mins @ 4 MW	= 0.33 MWh
Demand response	= Baseline – Consumption = 1.00 MWh – 0.33 MWh	= 0.67 MWh
MRC demand response	= 5 mins @ 6 MW	= 0.50 MWh
Energy value settled	= min (MRC demand response, demand response) = min (0.67 MWh, 0.5 MWh)	= 0.50 MWh

Capping ensures that outcomes are about demand response capability and not baseline inaccuracy

RRP	Regional reference price
WDRRR	Wholesale demand regional reimbursement rate

Forward agenda

Emily Brodie

Upcoming WDR meetings

Meeting	Meeting Date
Guidelines TWG #2	Mon 12 Oct 20
WDR CG #5	Tue 20 Oct 20
WDR CG #6	Tue 17 Nov 20
WDR CG #7	Tue 15 Dec 20

Proposed agenda for October WDR CG meeting:

- Administrative matters
- Update on 5MS and WDR implementation alignment
- Dispatch compliance framework
- Procedure consultation updates



Please provide agenda suggestions at any time to WDR@aemo.com.au

WDR contact and information



Mailbox

wdr@aemo.com.au



WDR program information

<https://aemo.com.au/initiatives/trials-and-initiatives/wholesale-demand-response-mechanism>



WDR stakeholder engagement options

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

General questions

Ruth Guest

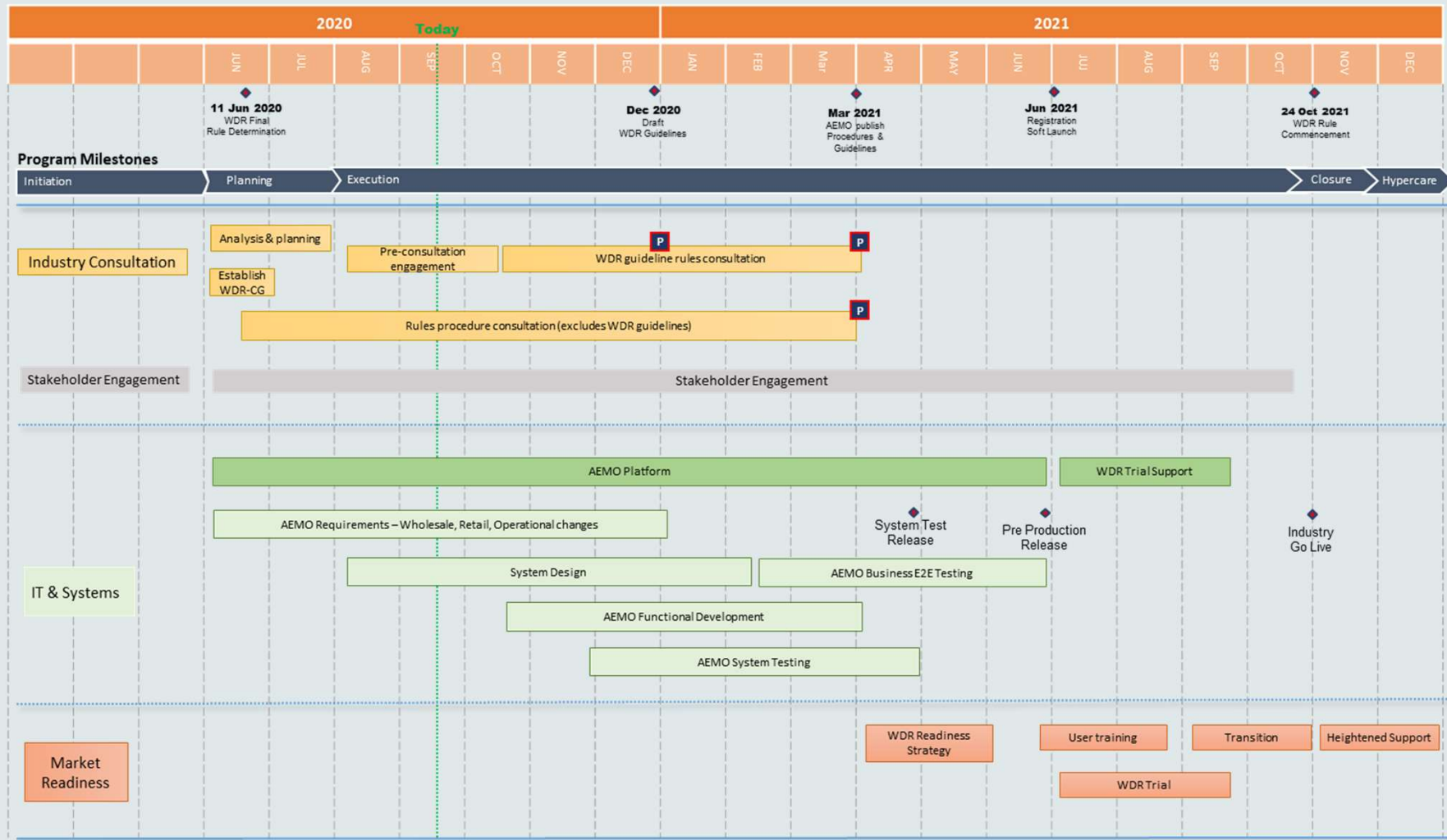
Thank you for your
participation!

APPENDIX A

Project schedule

Draft program overview

Current as of 16 Sep 20



APPENDIX B

Procedure changes

Settlements and prudentials procedures (1)

Affected procedures*	Impact
Credit Limits Procedures	Low/medium: system impact will be small. Bespoke prudential requirements for DRSPs will have process impacts for AEMO.
NEM Settlement Estimates Policy	Low: process impact/terminology update only, minimal systems impact.

Approach - Credit Limits Procedures	
Overall approach	• Rules consultation • 2 consultation rounds • Key changes – new section outlining how prudential requirements will be calculated for DRSPs. • In practical terms requirement will be for DRSPs to provide AEMO with a guarantee of \$10,000 upon registration, to meet prudential obligations.
Indicative timing	• Issues Paper published - 4 September 2020 • Submissions due on Issues Paper - 16 October 2020 • Draft Report published - 13 November 2020 • Submissions due on Draft Report - 4 December 2020 • Final Report published - 15 January 2021

Settlements and prudentials procedures (2)

Approach - NEM Settlement Estimates Policy	
Overall approach	• Rules consultation • 2 consultation rounds • Indicative timing – Sept 20 to Feb 21
Considerations/ issues	• New section outlining methodology for estimations for prudential purposes for DRSPs. • Most likely estimates will be zero for DRSPs (only used for prudential calculations prior to meter data availability).
Pre-consultation	Not required.

Retail procedures

Approach		Indicative key dates
Overall approach	- Rules consultation 2 consultation rounds	October 2020 to March 2021
Considerations/issues	Bundling consultations with other market changes Packaging procedures	
Pre-consultation	Electricity Retail Consultative Forum (ERCF)	Meetings held once a quarter

Stage	Indicative key dates
Consultation paper	12 October
Round #1 consultation	17 November
Draft procedures	15 December
Round #2 consultation	2 February 2021
Final procedures	16 March 2021

B2B guide

Affected procedures*		Impact
B2B Guide		Low: inclusion of DRSP as a B2B party, PMD and VMD transactions
Approach		Indicative key dates
Overall approach	- Rules consultation 2 consultation rounds	August 2020 to March 2021
Considerations/issues	- IEC has governance over B2B procedures. - IEC briefed at the last meeting (May)	
Consultation	- Information Exchange Committee - B2B Working Group	IEC meets each quarter.

Stage	Indicative key dates
Consultation paper	12 October
Round #1 consultation	17 November
Draft procedures	15 December
Round #2 consultation	2 February 2021
Final procedures	16 March 2021

WDR changes for B2B to be included with Retail Procedure consultation

System operations procedures

Affected procedures*	Impact
Power System Security Guidelines (SO_OP_3715)	Low: procedural only
Intervention, Direction and Clause 4.8.9 instructions (SO_OP_3707)	Low: include an ancillary service load in the definition of scheduled plant.
Spot Market Operations Timetable	Low: DRSP's obligation and timeline, AEMO's obligation to publish information in relation to WDR

Approach		Indicative key dates
Overall approach	- Rules consultation 1 or 2 consultation rounds	October to March 2021
Considerations/issues	If changes are minor or administrative, may only require single round of consultation	
Pre-consultation	NEM Wholesale Consultative Forum	

Stage	Indicative key dates
Consultation paper	6 October 2020
Round #1 consultation	12 November 2020
Draft procedures	8 December 2020
Round #2 consultation	26 January 2021
Final procedures	9 March 2021

Demand-side participation information guidelines

Affected procedure*	Impact
Demand Side Participation Information Guidelines	Low: terminology updates and minor additions to data collection requirements to allow WDR forecasts to be developed for use in MTPASA and ESOO.

Approach		Indicative key dates
Overall approach	- Rules consultation 2 consultation rounds	Aug to Dec 20
Considerations/ issues	- Requesting future DSP to be tagged as likely WDR source to help forecasting WDR for MTPASA/ESOO. - The consultation will be bundled with changes relating to RRO and will consider rationalising with DER register data collection to ensure AEMO capture all the information required, but only once between the two processes.	
Pre-consultation	Forecasting Reference Group	26 Aug 20

Stage	Indicative key dates
Consultation paper	26 Aug 20
Round #1 consultation	30 Sep 20
Draft guidelines	28 Oct 20
Round #2 consultation	11 Nov 20
Final guidelines	9 Dec 20

APPENDIX C

Regulatory implementation roadmap update

Context

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

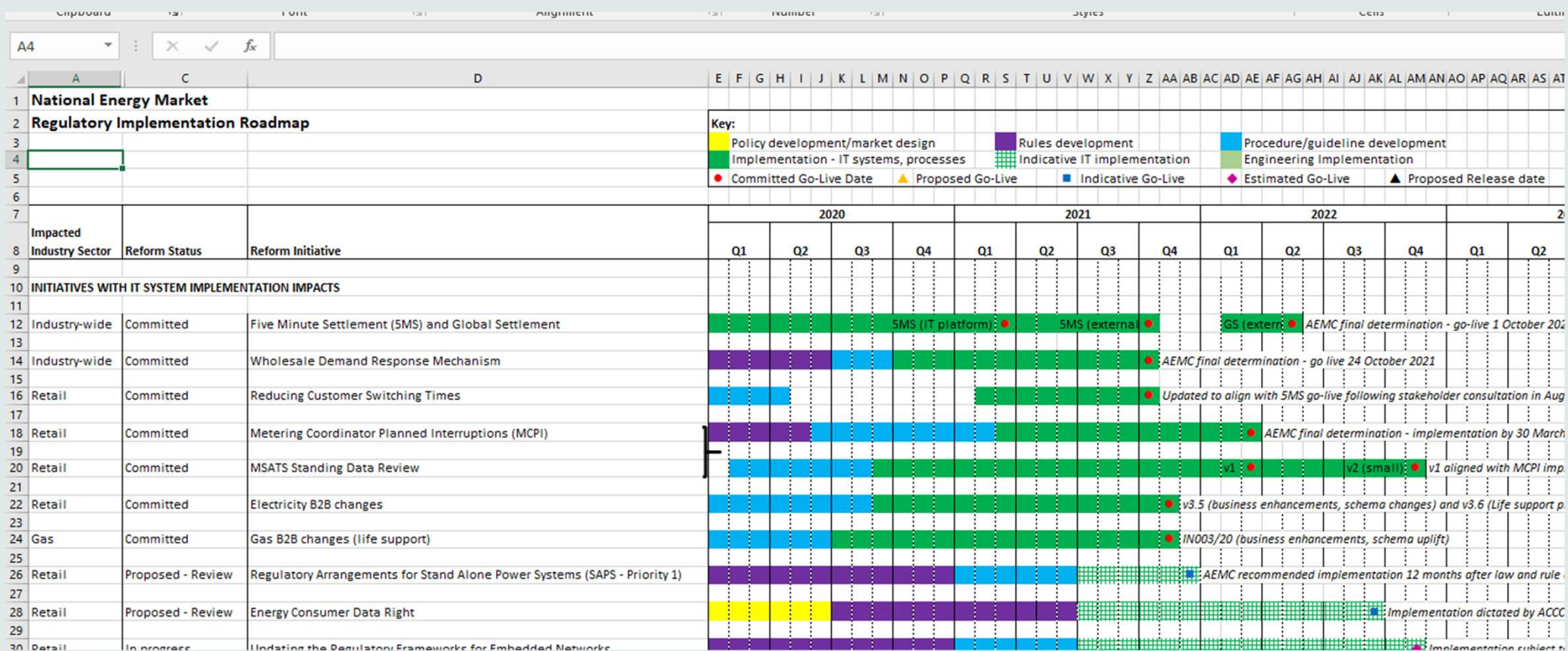


Key updates

- 1 October 2021: New commencement date for 5MS and GS soft start
- 1 October 2021: Customer switching go-live
- 24 October 2021: Confirmed WDR commencement date
- November 2021: Electricity and gas B2B changes
- 30 March 2022: Metering Coordinator Planned Interruptions and MSATS Standing Data Review (v1) go-lives

Partial snapshot of regulatory implementation roadmap

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



Planned retail schema changes

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

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