

## 5MS and GS Readiness Working Group – Meeting Notes

MEETING: Readiness Working Group # 27  
 DATE: Tuesday, 7 September 2021  
 TIME: 10:00 AM – 12:30 PM  
 LOCATION: WebEx

### Attendees

| Attendee            | Organisation        | Location       |
|---------------------|---------------------|----------------|
| Greg Minney (Chair) | AEMO                | Remote - WebEx |
| Anne-Marie McCague  | AEMO                | Remote - WebEx |
| Graeme Windley      | AEMO                | Remote - WebEx |
| Jim Agelopoulos     | AEMO                | Remote - WebEx |
| Blaine Miner        | AEMO                | Remote - WebEx |
| Paul Lyttle         | AEMO                | Remote - WebEx |
| Tui Grant           | AEMO                | Remote - WebEx |
| Pip Eastgate        | AER                 | Remote - WebEx |
| Collette Reedy      | ACTEWAGL            | Remote - WebEx |
| Sue Richardson      | Agility CIS         | Remote - WebEx |
| Andrew Peart        | AGL Energy          | Remote - WebEx |
| Gail Mitchell       | AGL Energy          | Remote - WebEx |
| Damien Banky        | AGL Energy          | Remote - WebEx |
| David Rundell       | Alcoa               | Remote - WebEx |
| Zulfi Syed          | Alinta Energy       | Remote - WebEx |
| Theresa Mcginley    | Alinta Energy       | Remote - WebEx |
| Naomi Donohue       | APA Group           | Remote - WebEx |
| Natasha Seelig      | Aurora Energy       | Remote - WebEx |
| Kevin Boutchard     | Aurora Energy       | Remote - WebEx |
| Craig Eadie         | Aurora Energy       | Remote - WebEx |
| Peter Gilligan      | Ausgrid             | Remote - WebEx |
| Wayne Turner        | Ausgrid             | Remote - WebEx |
| Vesna Dulovic       | AusNet Services     | Remote - WebEx |
| Con Michailides     | AusNet Services     | Remote - WebEx |
| Raphael Ozsvath     | Basslink            | Remote - WebEx |
| Peter Docking       | Bluenrg             | Remote - WebEx |
| Vicki Grant         | Clean Co Queensland | Remote - WebEx |
| James Hutt          | CS Energy           | Remote - WebEx |
| Dino Ou             | Endeavour Energy    | Remote - WebEx |
| Nicole Bright       | Energex             | Remote - WebEx |
| Steve Smith         | Energex             | Remote - WebEx |
| Tilin Yi            | Energy Australia    | Remote - WebEx |

|                       |                   |                |
|-----------------------|-------------------|----------------|
| Joseph Giddings       | Energy One        | Remote - WebEx |
| Steve Blair           | Energy Queensland | Remote - WebEx |
| Nick Hickman          | Energy Queensland | Remote - WebEx |
| Marco Malgarini       | Energy Queensland | Remote - WebEx |
| Greg Fawcett          | Engie             | Remote - WebEx |
| Andrew Lenga          | Engie             | Remote - WebEx |
| Ingrid Farah          | Ergon Retail      | Remote - WebEx |
| Ben Donnelly          | Essential Energy  | Remote - WebEx |
| Noel Petrie           | Essential Energy  | Remote - WebEx |
| Greg Evans            | Evo Energy        | Remote - WebEx |
| Jeff Roberts          | Evo Energy        | Remote - WebEx |
| Andrew Jumeau         | Evo Energy        | Remote - WebEx |
| David McKenzie        | Flow Power        | Remote - WebEx |
| Kelsey Wagner         | Hardsoftware      | Remote - WebEx |
| Kenneth Reynolds      | Infigen Energy    | Remote - WebEx |
| Victor Sanchez        | Infigen Energy    | Remote - WebEx |
| Trish Bowles          | Infigen Energy    | Remote - WebEx |
| Jayendra Weerawardana | Insightpower      | Remote - WebEx |
| Van Wyk Warren        | Intellihub        | Remote - WebEx |
| Joseph Lyttleton      | Jemena            | Remote - WebEx |
| Rajiv Balasubramanian | Jemena            | Remote - WebEx |
| Matthew Mullen        | Jemena            | Remote - WebEx |
| Dan Hillier           | Meridian Energy   | Remote - WebEx |
| Deena Sri             | Mondo             | Remote - WebEx |
| Neville Lewis         | Mondo             | Remote - WebEx |
| Fergus Stuart         | Origin Energy     | Remote - WebEx |
| Rahul Agarwal         | Origin Energy     | Remote - WebEx |
| Linda Brackenbury     | PlusES            | Remote - WebEx |
| Greg Szot             | Powercor          | Remote - WebEx |
| Dean Knight           | Powerlink         | Remote - WebEx |
| Karel Mallinson       | Powerlink         | Remote - WebEx |
| Nick Gustafsson       | Red Energy        | Remote - WebEx |
| Christophe Bechia     | Red Energy        | Remote - WebEx |
| Mark Reid             | Red / Lumo        | Remote - WebEx |
| Andrew Wilkins        | SA Water          | Remote - WebEx |
| David Woods           | SA Power Networks | Remote - WebEx |
| Kambiz Vessali        | Secure Meters     | Remote - WebEx |
| Deepesh Goswami       | Secure Meters     | Remote - WebEx |
| Craig Taylor          | Simply Energy     | Remote - WebEx |
| Jarrah Rijswijk       | Hydro Tas         | Remote - WebEx |
| Audrey Follett        | Snowy Hydro       | Remote - WebEx |

|                  |              |                |
|------------------|--------------|----------------|
| Sandra Ho        | Snowy Hydro  | Remote - WebEx |
| Rossi Mangano    | Stanwell     | Remote - WebEx |
| Elizabeth Keogh  | Stanwell     | Remote - WebEx |
| Simeon Dravitzki | Tango Energy | Remote - WebEx |
| Adrian Honey     | TasNetworks  | Remote - WebEx |
| William Salis    | Viotas       | Remote - WebEx |
| Paul Greenwood   | VectorAMS    | Remote - WebEx |
| Mark Leschke     | Yurika       | Remote - WebEx |

**1. Welcome, Introduction, Attendance and Apologies – G. Minney (slide 1 - 4)**

AEMO noted that the meeting was being recorded for the purposes of preparing meeting notes and requested for dial-in attendees to email [5ms@aemo.com.au](mailto:5ms@aemo.com.au) for inclusion on the attendees list.

**2. Minutes and Actions from Previous Meeting – AM. McCague (slide 5-6)**

The actions from meeting RWG #26 have been reviewed and updated. Please refer to the meeting pack and list below for more details.

**3. 5MS Program Update – G. Minney / G. Windley (slides 7 - 8)**

AEMO provided a status update on the 5MS Program, which included reviewing key activities and milestones on slide 8.

**4. 5MS Start Notice – Executive Forum Debrief – G. Minney (slides 9 – 12)**

AEMO provided an update on the meetings held prior to issuing the 5MS Start Notice, which led to the conclusion that the NEM would be ready to operate in 5-minute mode on 1 October. Meetings held were with the AEMO Steering Committee, followed by the 5MS Executive Forum (slide 10). AEMO also outlined the next steps involving the AEMC final determination process, stating that the Commission would meet on 7 September to discuss AEMO's recommendation, and the industry feedback received through the consultation process.

On slide 11, AEMO provided a summary of the Essential Capability Dashboard that was presented at the Executive Forum. This dashboard was used along with the Readiness Survey #9 outcomes, to assess progress prior to issuing the 5MS Start Notice. AEMO noted that two out of the five Essential Criteria were currently rated amber - 'at risk'. However, appropriate risk mitigation and contingency plans were to be put place to reduce these risks and the results of the Readiness Survey indicated industry confidence and preparedness for a 1 October rule start. On this basis it was concluded that the Essential Criteria had been sufficiently met and the 5MS Start Notice was subsequently issued.

**5. Market Trial & Industry Testing Update – T. Grant (slide 13 - 23)**

AEMO provided an update on Market Trial and the PractiTest Dashboard. Overall the RAG Status is Amber with the schedule on track but open issues remaining.

AEMO advised that Market Trial testing was going well with an increase in participants updating their test cases. Defect fixes are also being remediated as quickly as possible. Currently there are 56 open defects. However, only 20 are sitting with AEMO, as the remaining are awaiting confirmation from participants that they can be closed.

AEMO cited the biggest issues have been report related – settlement reports in particular. The most recent issue related to some organisation's gateway rejecting the reports. AEMO is working with these organisations to understand why this has been occurring.

## **6. 5MS Go Live Plan - G. Minney (slide 24 - 34)**

AEMO advised that it has taken participant feedback into consideration when planning for the 1 October release (slides 25-26).

A key principle or approach to the 1 October 5MS Go-Live was to make as much of the 5-minute settlement capability as possible available to participants prior to 1 October. Therefore the release on 30 September primarily involves activating those components that cannot be enabled earlier and restricting those that must cease 1 October. No data conversion required at go-live (slide 27).

AEMO provided an overview of the support arrangements for 5MS commencement. One of the key changes is that AEMO will have a 5MS Support Room in place during cut-over to allow participants to interact with each other. Support Hub staffing will also be increased to support cut-over weekend. These arrangements are being implemented due industry feedback following the Retail release (slide 28).

The 5MS Support Room can also be used for Customer Switching enquiries and discussions and daily Q&As will have Customer Switching representation.

AEMO discussed Go-Live timing on slides 29 -31, which is an extract of what is outlined in the Industry Go-Live Plan.

On slide 32, AEMO provided a summary of the capability that will be enabled on 1 October and those that will be disabled, or transactions rejected from this date.

## **7. Tranche 1 Metering Update – B. Miner (slide 35 - 38)**

AEMO provided an overview of the process it undertakes in order to provide the RWG progress updates each Monday. The latest update indicates that a high percentage of the essential meters have now been made 5-minute capable, with only 26 meters to undergo this upgrade. In relation to ~15k 'non-essential' tranche 1 meters, ~1,390 of these meters are yet to be converted to being 5-minute capable.

The emphasis of AEMO's engagement with MPs has been on the essential meters, as these meters have the ability to disrupt settlement of the wholesale market.

AEMO stated that as part of the commencement of the 5MS rule, 5-minute load profiles will be generated as part of the Settlements process in order to convert 15 and 30-minute interval metering data to 5-minute resolution for distribution connected interval meters only. This capability (where required) can also be used to support the 'non-essential' tranche 1 meters that have not converted to 5-minute mode by 1 October 2021.

## **8. Retail Update – J.Agelopoulos, S.Tu & P.Lytle (slide 39-48)**

**RM Report Row Limit Update:** AEMO discussed the outcome of their investigations into a defect raised at Market Trials relating to RM report file size. It found that file sizes significantly increase with 5-minute reads – approximately 5 times the size due to the extra readings. As such, AEMO is recommending changing the row limits by reducing it to 10,000 rows per file. Therefore a file greater than 10,000 and less than 50,000 will be split up to make it a more manageable size (slide 41).

AEMO asked participant to respond by Thursday regarding impacts of the row limit proposal and advised that it would also be available in the pre-production environment for testing.

**Action 27.8.1: AEMO to add details to slide 41 relating to report row limits to show likely impacts to participants and actions it is recommended they take.**

**Action 27.8.1: RWG to provide feedback by 9 September on AEMO proposal to change the RM row limits.**

**Outbound filename/ messageContext ID:** AEMO advised that after the Retail go-live, it dropped the user ID out of the filename for report response, which caused difficulties for some participants. AEMO summarised the initial proposal it made to rectify this (slide 43), and subsequently the feedback and objections received from participants to this initial proposal (slide 44). On slide 45, AEMO provided an updated proposal and example on slide 46. Feedback has already been canvassed with impacted participants, but further feedback is welcome.

AEMO advised that the solution being proposed will be a functional change that will go into preproduction so it can be tested. This change is expected to be in preproduction the week of 11 October and then into production on either 23 October or the week of 25 October.

## **9. Settlements & Bidding Update – I. Devaney (slide 49-52)**

AEMO reiterated that Settlements will go live on 1 October and also the soft-start for UFE, which means AEMO will be populating the reports but not calculating the numbers. 30-min bids will be rejected from 1 October as will bids using legacy systems.

## **10. Participant Feedback Cut-Over – A. McCague (slide 53-54)**

AEMO noted that it had previously presented this slide and there is nothing further to add, except to highlight that all the feedback in the yellow box has been incorporated into the Industry Go-Live Plan (slide 53).

## **11. Forward Plan and Other Business – A. McCague & G. Minney (slide 55-58)**

AEMO mentioned that the Q&A sessions are now weekly, and participants are encouraged to provide feedback as to the topics they would like covered by emailing the mailbox: [5ms@aemo.com.au](mailto:5ms@aemo.com.au).

AEMO also advised that it is proposing to move the RWG from 5 October to 12 October to allow a debrief and update on rule commencement performance. No one in the audience had any objections so it will be moved.

**Action 27.11.1: AEMO to send an updated invite moving the next RWG from 5 October to 12 October.**

Further information on the 5MS program, and a calendar of all meeting and forum dates can be found via the following link: <http://aemo.com.au/Electricity/National-Electricity-Market-NEM/Five-Minute-Settlement>.

## **12. Meeting Close G. Minney**

| Item    | Topic                           | Action required   | Responsible | By |
|---------|---------------------------------|---|-------------|----|
| 27.8.1  | Retail Update                   | AEMO to add details to slide 41 relating to report row limits to show likely impacts to participants and actions it is recommended they take. | AEMO        |    |
| 27.8.2  | Retail Update                   | RWG to provide feedback by 9 September on AEMO proposal to change the RM row limits.  | RWG         |    |
| 27.11.1 | Forward Plan and Other Business | AEMO to send an updated invite moving the next RWG from 5 October to 12 October.  | AEMO        |    |