

## 5MS Readiness Working Group (RWG) Meeting Notes

MEETING: 12  
 DATE: Wednesday 10 June 2020  
 TIME: 10:00 AM – 12:00 PM  
 LOCATION: WebEx

Attendee	Organisation	Location
Greg Minney	AEMO	WebEx / Dial In
Austin Tan	AEMO	WebEx / Dial In
Emily Brodie	AEMO	WebEx / Dial In
Blaine Miner	AEMO	WebEx / Dial In
Tui Grant	AEMO	WebEx / Dial In
Carol Bosnjak	AEMO	WebEx / Dial In
Adrian Honey	TasNetworks	WebEx / Dial In
Andrew Lenga	ENGIE	WebEx / Dial In
Andrew Peart	AGL	WebEx / Dial In
Andrew Pirie	AEMC	WebEx / Dial In
Angela Sheehy	Stanwell	WebEx / Dial In
Brendan Charles	Aurora Energy	WebEx / Dial In
Cameron Bath	Energy Australia	WebEx / Dial In
Christophe Bechia	Red/Lumo	WebEx / Dial In
Cindy Matthews	Metering Dynamics	WebEx / Dial In
Con Michailides	Ausnet	WebEx / Dial In
David McKenzie	Flow Power	WebEx / Dial In
David Woods	SAPN	WebEx / Dial In
Dino Ou	Endeavour Energy	WebEx / Dial In
Fergus Stuart	Origin	WebEx / Dial In
Greg Szot	CitiPower/Powercor	WebEx / Dial In
Helen Rickards	Essential Energy	WebEx / Dial In
Ian Chapman	Stanwell	WebEx / Dial In
Ingird Farah	Ergon	WebEx / Dial In
Jeff Roberts	Evo Energy	WebEx / Dial In
Justin Stute	Mondo	WebEx / Dial In
Linda Brackenbury	PLUS ES	WebEx / Dial In
Marina Bakh	Jemena	WebEx / Dial In
Mark Lee	Momentum Energy	WebEx / Dial In
Mark Reid	Red/Lumo	WebEx / Dial In
Martin Andonovski	Ergon	WebEx / Dial In
Matt Porter	Evoenergy	WebEx / Dial In
Matthew Mullen	Jemena	WebEx / Dial In
Nick Gustafsson	Red/Lumo	WebEx / Dial In
Mike Stockley	AGL	WebEx / Dial In
Nicole Bright	Energy Queensland	WebEx / Dial In
Paul Greenwood	Vector	WebEx / Dial In
Piera Lorenz	Telstra	WebEx / Dial In
Rajiv Balasubramanian	Jemena	WebEx / Dial In
Rob Oshlack	ERM Power	WebEx / Dial In
Sabrina Akhter	Flow Power	WebEx / Dial In
Sandra Ho	Snowy Hydro	WebEx / Dial In
Susan Lee	TBC	WebEx / Dial In
Tim Lloyd	Essential Energy	WebEx / Dial In

Tejas Vadera	Jemena	WebEx / Dial In
Stephen Wilson	Hydro Tasmania	WebEx / Dial In
Warren Van Wyk	Intellihub	WebEx / Dial In

Note: some attendees who joined through WebEx and phone may not have been identified. Please advise via email to [5ms@aemo.com.au](mailto:5ms@aemo.com.au) if you attended the meeting but have not been noted above.

### **1. Welcome and Introduction – G. Minney (Slides 1 - 3)**

Attendees were welcomed to the 12<sup>th</sup> Readiness Working Group (RWG). AEMO noted that the meeting was being recorded for the purposes of preparing meeting notes.

### **2. Minutes and Actions from Previous Meeting – G. Minney (Slides 4 - 8)**

The actions from meeting 11 have been reviewed and updated. Please refer to the meeting pack and list below for more details.

### **3. AEMC update on deferral rule change request – A. Pirie (AEMC), (Slides 9 - 12)**

The AEMC presented a timeline for the rule change process, noting that stakeholder submissions on the consultation paper are due 11 June 2020. It was also noted that one objection to the use of an expedited rule change process has been received, however the Commission has decided to proceed with the expedited rule change, with the final determination to be published on 9 July 2020.

In response to questions from the RWG, the AEMC noted that:

- [By the RWG meeting] 15 submissions had been received, and that all submissions go through an internal process to check for confidentiality before they are uploaded on the website.
- The industry impacts for each delay period will be considered in the final determination (e.g. the impacts of a 6-month delay resulting in a January commencement of 5MS)

### **4. MDPs pre-commencement metering data delivery capability – F. Stuart (Origin), B. Miner (AEMO)**

Origin requested that an item be added to the RWG agenda to discuss the potential impacts on both LR and FRMP roles in the event that 5MS rule commencement was deferred from the current dates and the transition window for initial delivery of 5-minute data was extended.

AEMO explained that under the current National Electricity Rules (Chapter 7.10.5), required parties can enter into an agreement to deliver sub-multiples of a trading interval. However, if a required party does not agree to this arrangement that the MDP is obligated to deliver the NERs' trading interval length.

Origin wanted to understand if MDPs were planning on developing capabilities to support different granularities of metering data being sent to different Participants associated to the same NMI, so it could make informed Program decisions.

AEMO then discussed the issue in two parts, first from a FRMP/NSP perspective and then from a LR perspective. From a FRMP/NSP perspective, the FRMP/NSP are required parties to any agreement under the Rules, therefore associated risks for these Participants should be manageable. For example, should a customer churn or ROLR event occur and the new FRMP did not have 5-minute capability pre-5MS commencement, the MDP would be obligated under the Rules to provide 30-minute metering data.

From an LR perspective, if MDPs did not develop an ability to support different granularities, LRs would potentially be exposed to managing significant risks during an extended transition period i.e. if the LR could not process sub-multiples of a trading interval and an agreement was put in place to deliver 5-minute metering data, then a number of fundamental LR activities could be compromised e.g. Trading decisions, Load Forecasting, Financial reporting, etc.

In response to Origin's request, a number of MDPs associated to Type 1-3 and transmission connected Type 4 meters confirmed that:

- Intellihub, PLUS ES and Metering Dynamics will be able to deliver metering at 5,15 or 30 minute level granularity to accommodate different Participant requirements.
- Mondo is not intending to support the early delivery of 5-minute data.

#### **5. Update on 5MS program milestones – G. Minney (Slides 13 - 15)**

AEMO provided an update on the AEMO program, noting an overall green status trending down, and that the MDM Go-Live and associated milestones have been re-baselined.

#### **6. Stakeholder engagement update – E. Brodie (Slides 16 - 23)**

AEMO presented the response rate to the Q1 2020 stakeholder engagement survey, noting a substantial increase in the response rate. A summary of RWG feedback, including the next steps was presented.

To support the alignment of information across working groups, AEMO proposes that:

- The RWG be expanded to include SWG members and agenda adjusted to provide a more integrated end-to-end view. The SWG would be retained and used as a focus group for specialist technical discussion on an ad-hoc basis.
- The SWG timeslot will be used to allow 2 week gap between PCF and RWG for better flow of information.

In response to a query, AEMO confirmed that the proposed structure would still be valid in the scenario that 5MS commencement is delayed.

The RWG was invited to provide feedback on this proposal.

**Action 12.6.1:** RWG to provide feedback on proposal for RWG to be expanded to include SWG members, and for the working group to take an end-to-end systems and readiness view.

#### **7. Participant testing scope and preparation – T. Grant (Slides 24 - 31)**

AEMO presented the approaches for testing, noting that the industry testing and market trials strategy is being updated in line with the MDM platform deferral. A recap of the different types of market testing was also presented.

AEMO then presented the proposed test approaches for the following platforms and commencements:

- Dispatch and bidding platform
- Settlements platform
- MDM platform
- 5MS commencement
- GS commencement

AEMO presented an outline of the test scope proposals for the dispatch and bidding platform, the settlements platform, and metering platform. More details are available in the meeting pack.

AEMO invited the RWG to provide feedback on their testing requirements for each platform, noting that the scope of testing will consider participant requirements.

In response to questions from the RWG, AEMO clarified the below items and noted that relevant items will be updated the slides accordingly:

- The new settlements system will only use data from the new MDM
- The proposed market testing approaches are all in the pre-production environment
- Market Trials will be conducted for the dispatch and bidding platform to test 5-minute functionality only.
- More details on the test scope will be provided (e.g. test objective, key participants, key scenarios)
- The updated industry testing and market trials strategy will be provided on the week starting 15 June 2020
- Bi-lateral testing of 5-minute metering data files can currently be done in the pre-production environment, however the new schema and new classifications will only be available after the new MDM platform is released into pre-production
- The pre-production environment will have the most up to date data that reflects a production environment
- The issue causing a 10MB file size limit in the pre-production eHUB has been addressed and is pending deployment into pre-production

AEMO noted that in the scenario of a deferral, the platform deployment dates will remain but Market Trials for 5MS and GS will be deferred in accordance with the new commencement dates. To support participants that choose to defer that programs, AEMO is proposing that the staging environment is scaled-up with additional 5-minute and GS capability that is not supported in pre-production.

**Action 12.7.1:** AEMO to update industry testing slides with clarifications

**Action 12.7.2:** AEMO to provide more details on the testing scope (e.g. test objective, key participants, key scenarios)

**Action 12.7.3:** RWG to provide feedback on their industry testing requirements for Dispatch, Settlement and Retail systems via their ITWG members

## **8. Readiness reporting update – A. Tan (Slides 32 - 40)**

AEMO presented the readiness reporting approaches for two possible outcomes of the deferral rule change determination. It was noted that if there is a change to the 5MS and GS commencement dates, readiness reporting will be paused until August 2020 and AEMO will issue a special survey focusing on participant responses to the delay, outside of the normal readiness reporting cycle. Feedback from the survey would be utilised to provide a consolidated view of industry intent following the deferral decision.

The RWG was invited to provide feedback on the readiness reporting approach if there is a delay to the 5MS and GS commencement dates.

AEMO noted that a few RWG members have suggested that a bar chart format could be used to presented readiness reporting results. AEMO presented a few examples in this new format, and invited feedback from the RWG.

AEMO noted that the industry readiness reporting plan is currently under review, and an updated draft for consultation will be released on Friday 17 July 2020. The RWG was invited

to provide suggestions on the readiness reporting approach, including if additional readiness criteria that should be considered, or any other changes to the readiness reporting plan.

AEMO invited the RWG to provide feedback on how readiness reporting results can be used to consider if the industry is tracking to plan for 5MS and GS, or any other suggestions to consider readiness reporting results.

**Action 12.8.1:** RWG to provide feedback on the readiness reporting approach if there is a delay to the 5MS and GS commencement dates

**Action 12.8.2:** RWG to provide feedback on the proposed bar chart format for readiness reporting results

**Action 12.8.3:** RWG to provide suggestions on any further changes to the readiness reporting plan

**Action 12.8.4:** AEMO and the RWG to consider how readiness reporting result will be used to confirm if the industry is tracking to plan for 5MS and GS and process for addressing concerns

## **9. Forward meeting plan and general questions – G. Minney (Slides 41 – 44)**

Attendees were thanked for their attendance and advised of future in-session RWG meetings. It was noted that the RWG will be advised of any date changes as a result of the proposed joint working group approach.

Next Readiness Working Group:

- Thursday 16 July 2020

Next Systems Working group:

- Tuesday 14 July 2020

Next Program Consultative Forum:

- Thursday 16 July 2020

Next Executive Forum

- Thursday 30 July 2020

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>.

Item	Topic	Action required	Responsible	By
11.3.1	Readiness Reporting	AEMO to consider providing additional guidance alongside readiness reporting survey questions	AEMO	Completed
11.3.2	Readiness Reporting	AEMO to include latest MTP with readiness reporting survey	AEMO	Completed
11.3.3	Readiness Reporting	AEMO and RWG to consider alternative ways of communicating readiness reporting survey results	AEMO / RWG	Completed
11.4.1	Proposed milestone changes	AEMO to update charts on proposed AEMO system deployment milestone changes	AEMO	Complete
11.4.2	Proposed milestone changes	AEMO to consider extending the 30 minute settlement trial so that it can be commenced before December 2020	AEMO	Complete
11.4.3	Proposed milestone changes	AEMO to investigate any impacts on Recipient created tax invoices (RCTI) and provide feedback to or seek further info from the RWG	AEMO	Complete
11.4.4	Proposed milestone changes	RWG to provide feedback on impact of settlements 'like-for-like' delivery, including impacts on RM 16 and RM 27	RWG	Completed
11.4.5	Proposed milestone changes	AEMO to confirm if there are any changes to the format of settlement reports that are used by participants for settlement reconciliation purposes (e.g. RM 16 and RM27)	AEMO	Complete
11.4.6	Proposed milestone changes	AEMO to update table in slide 27 to clarify that MDFF acceptance relates to metering data files (not settlement files)	AEMO	Complete
11.4.7	Proposed milestone changes	AEMO to provide explanation of how 5-min bilateral testing will be supported	AEMO	Complete
11.4.8	Proposed milestone changes	RWG to provide feedback in response template on impact of MDM milestone change and proposed deployment milestone changes for dispatch and settlements	RWG	Completed
11.6.1	Proposed 12-month deferral	AEMO to update Gantt to reflect NCONUML datastream activation	AEMO	Complete

11.6.2	Proposed 12-month deferral	RWG to provide information on how AEMO would support a multi-speed transition (some participants continuing to current timeline, some participants deferring to proposed timeline)	RWG	Completed
11.6.3	Proposed 12-month deferral	AEMO capture and manage the risk of a multi-speed transition (some participants continuing to current timeline, some participants deferring to proposed timeline) in the 5MS industry risks and issues register	AEMO	Completed
11.6.4	Proposed 12-month deferral	AEMO to consolidate multi-speed transition feedback and provide to RWG	AEMO	Complete
11.6.5	Proposed 12-month deferral	AEMO to provide clarification on the impact to the MMS data model version 5 under the proposed 12-month deferral scenario	AEMO	Wed 3 Jun
11.6.6	Proposed 12-month deferral	RWG to provide feedback in response template on proposed transition and testing approach under the proposed 12-month deferral scenario	RWG	Completed
11.7.1	“Minimum criteria” and 5MS go/no-go decisions	RWG to provide feedback on proposed ‘minimum criteria’ for commencement	RWG	Completed
11.7.2	“Minimum criteria” and 5MS go/no-go decisions	AEMO to publish final contingency plan, considering RWG feedback on ‘minimum criteria’	AEMO	Completed
11.8.1	Bidding transition plan	RWG to provide feedback on bidding transition approach	RWG	Completed
11.8.2	Bidding transition plan	AEMO to confirm whether FCAS bidding is out of scope	AEMO	Complete
11.8.3	Bidding transition plan	AEMO to discuss bidding transition approach with the Dispatch Focus Group	AEMO	By end of June
12.6.1	Working groups	RWG to provide feedback on proposal for RWG to be expanded to include SWG members, and for the working group to take an end-to-end systems and readiness view.	RWG	Fri 26 June
12.7.1	Industry testing	AEMO to update industry testing slides with clarifications	AEMO	Fri 19 June
12.7.2	Industry testing	AEMO to provide more details on the testing scope (e.g. test objective, key participants, key scenarios)	AEMO	Thu 16 July



12.7.3	Industry testing	RWG to provide feedback on their testing requirements for Dispatch, Settlement and Retail systems in pre-production	RWG	Fri 26 June
12.8.1	Readiness reporting	RWG to provide feedback on the readiness reporting approach if there is a delay to the 5MS and GS commencement dates	RWG	Fri 26 June
12.8.2	Readiness reporting	RWG to provide feedback on the proposed bar chart format for readiness reporting results	RWG	Fri 26 June
12.8.3	Readiness reporting	RWG to provide suggestions on any changes to the readiness reporting plan	RWG	Fri 26 June
12.8.4	Readiness reporting	AEMO and the RWG to consider how readiness reporting results can be used to consider if the industry is tracking to plan for 5MS and GS	AEMO	Fri 26 June