

5MS Readiness Working Group (RWG) Meeting Notes

MEETING: 6
 DATE: Friday 15 November 2019
 TIME: 10:00 AM – 1:00 PM
 LOCATION: AEMO Offices Melbourne, Sydney, Brisbane, Adelaide and by Webex

Attendee	Organisation	Location
Wayne Rau	ENGIE	Melbourne
Andrew Peart	AGL	Melbourne
Aakash Sembey	Simply Energy	Melbourne
Malcolm Hempel	Tango Energy	Melbourne
Greg Minney	AEMO	Melbourne
Darren Pace	Alinta	Sydney
Emily Brodie	AEMO	Sydney
Blaine Miner	AEMO	Brisbane
Adrian Honey	TasNetworks -	WebEx / Dial In
Cameron Bath	AGL	WebEx / Dial In
Con Michailides	AusNet Services -	WebEx / Dial In
Corinna Woolford	Aurora	WebEx / Dial In
Dino Ou	Endeavour Energy	WebEx / Dial In
Fergus Stuart	Origin	WebEx / Dial In
Elizabeth Byrne	Stanwell	WebEx / Dial In
Ingid Farah	Ergon Energy	WebEx / Dial In
Jeff Roberts	Evoenergy	WebEx / Dial In
Jonathan Briggs	Metering Dynamics	WebEx / Dial In
Linda Brackenbury	Plus ES	WebEx / Dial In
Mark Reid	Red/Lumo -	WebEx / Dial In
Nathan Reeve	EnergyAustralia	WebEx / Dial In
Nick Gustafsson	Red/Lumo	WebEx / Dial In
Nick Hickman	Energy Queensland	WebEx / Dial In
Nicole Bright	Energy Queensland	WebEx / Dial In
Paul Greenwood	Vector	WebEx / Dial In
Prabpreet Calais	AEMC	WebEx / Dial In
Pradeep Mehta	Ausgrid	WebEx / Dial In
Sabrina Akhter	Flowpower	WebEx / Dial In
Samantha Markhan	AER	WebEx / Dial In
Snehal Jogiya	ERM Power -	WebEx / Dial In
Steve Smith	Metering Dynamics	WebEx / Dial In
Terry Lodge	Energy Queensland	WebEx / Dial In
Tim Lloyd	Essential Energy	WebEx / Dial In
Tui Grant	AEMO	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 if you attended the meeting but have not been noted above.

1.0 Welcome and Introduction – G. Minney (Slides 1 - 2)

Attendees were welcomed to the 6th Readiness Working Group (RWG). Attendance was captured.

2.0 Minutes & Actions from previous meeting – G. Minney (Slide 4)

The meeting notes for the previous RWG held on 22 October were confirmed. The actions from meeting 5 have been reviewed and updated. Please refer to the meeting pack and list below for more details.

3.0 Staging Environment Update – T. Grant (Slides 6 - 7)

AEMO provided an update on the staging environment, highlighting that reallocations and MSATs are back online, the next 2 releases into that environment are due on the 29 November and 1 December respectively. AEMO also provided an update on the shake out of the API environment with Snowy Hydro and that 3 fortnightly Staging Environment support sessions had been booked in for the 21 November, 3 and 17 December.

RWG Participants questioned whether the Staging Environment support sessions had been reported back through the Systems Working Group. AEMO clarified that the Systems Working Group would be invited to the sessions as well.

More information can be found in the meeting pack.

4.0 Workstream Update – G. Minney & E. Brodie (Slides 8 - 21)

AEMO provided an update on how 5MS/GS procedural changes would be managed going forward, highlighting that any changes would be tracked in the 5MS action log and that if the procedures working group (PWG) needed to be reconvened it would be.

Origin questioned the delay of Metering Package 3. AEMO clarified that due to a medical matter resourcing was impacted and hence the timeline wasn't met. AEMO apologised for the delay and stated that Metering Package 3 was expected to be out the week of 18 November, noting that no material changes are expected.

Energy Queensland raised concerns about inadequate visibility and timeframes regarding procedure changes that would be raised through BAU channels. AEMO clarified that any procedure changes would be communicated to through both BAU and 5MS channels. AEMO also confirmed that any changes would be communicated to the Program Consultative Forum (PCF) as well.

Tango Energy stated that there were currently 2 5MS items on the ERCF agenda that should have come back to the 5MS channels for an impact assessment.

AEMO noted the relevant BAU channels and contact details for procedural issues in the respective areas.

AEMO provided an update on market readiness papers, including how the various papers fit together. AEMO noted that the final Industry test market trial strategy and the final Transition and go-live strategy are due for release on 29 November, as well as the draft MSP accreditation update plan. The Industry Readiness Reporting Plan feedback is due by 20 November.

RWG Participants questioned the timing of the test strategy and whether it will be done before the 29 November. AEMO confirmed that they would investigate an opportunity for

feedback prior to the 29 November. RWG Participants questioned whether there would be further opportunity to address feedback following issue of the strategy. AEMO commented that would be supported through the ITWG

Stanwell questioned what the procedures were that were discussed in the Executive Forum. AEMO took an action to provide this confirmation to Participants.

AEMO provided an update on the Industry testing and market trials feedback, including that 12 responses were received and that a number of questions were raised concerning performance testing. AEMO confirmed that pre-pod is not the same size as production and therefore performance testing was not going to be part of industry testing. However, B2B meter reads will be included in the scope.

Stanwell questioned whether anyone else saw the exclusion of performance testing as a risk. Alinta agreed and requested to understand what is to be put in place to verify the processing of large volumes of data. AEMO confirmed they could assist Participants with the profiling of the expected volumes that they may get. AEMO noted that on the 1st July 2021 approximately 25k meters will be swapped over to 5 minute. Many Participants may not notice a change. Every Participant is very different and their performance testing requirements will vary.

RWG Participants questioned whether AEMO and Industry should we be looking at volumes 4-5 years down the track. RWG Participants queried whether AEMO could create the data to simulate performance testing. AEMO stated that any metering data created by AEMO may give an inaccurate performance test outcome and therefore it would be a high risk scenario.

Stanwell questioned how AEMO might be able to help with understanding the potential volumes of data. AEMO stated that it's best to wait for the first ITWG to discuss this matter in more detail. AEMO also mentioned that as part of the Transition Focus Group's consideration of the Metering Transition Plan that an activity had been included for MDPs and other participants to provide projections of 5 minute meter transition by the end of June 2020. These projections should assist with profiling and projection estimates.

AEMO confirmed that a level of performance testing will be scaled to Dec 2022 volumes rather than 1 July 2021 volumes.

AEMO confirmed that other questions regarding, the logistics of testing, the use of Service Now, various test phases and test windows would be discussed at the first ITWG in mid-December. A call for nominations will be sent out shortly.

PlusES questioned how well the RWG membership represented the broader Participant body as a whole. AEMO clarified that Participants on the program are self selected. AEMO is confident that the majority of the Participants are captured on the program. AEMO also has a small Participant strategy to provide information to participants that may not have the resources to attend AEMO's stakeholder forums.

PlusES questioned which skills AEMO would be requesting for ITWG representation. AEMO recommended that resources who are responsible or accountable for doing the actual testing with the industry, and understands the program, would be a preferred candidate i.e. a Test Lead or Test Manager.

RWG Participants questioned where a list of all the current working groups can be located. AEMO confirmed that the AEMO 5MS website has an engagement plan which covers the latest working and focus groups.

AEMO provided an update on the industry transition and go-live strategy, highlighting that 10 responses were received.

Stanwell questioned the difference between the regulatory change dates and transition end dates referenced in the metering transition plan. AEMO clarified that regulatory changes are mandatory under the Rules whereas transition end dates highlight activities completion dates that are required to ensure the Industry can transition and operate effectively in the market at Rule commencement.

AGL stated that key standing data would need to be in place by 1 July 2021 to support effective UFE publication. Some RWG Participants were concerned about being ready prior to 1 July 2021 i.e. April, May or whatever it may be in 2021.

Origin queried whether the LR needs to be involved in any agreements to send/receive 5 minute metering data prior to 1 July 2021. AEMO confirmed that as per the Rules today that the LR is not one of the specified parties to such an agreement but that the metering transition plan recognises that the LR needs to have an awareness of any agreements that are being considered.

AEMO confirmed that a readiness risk management update would be held the week of 2 December.

AEMO provided an update on the B2B working group held on the 29-30 October, highlighting file size considerations, potential new B2B transactions to support Non-contestable unmetered loads and adjusting local retailer references in the RoLR Procedures for associated to the GS Rule.

Energy Queensland questioned why a 1,000 transaction limit was being recommended. AEMO confirmed that this was to account for the implications of PMDs and VMDs.

Tango Energy noted that there would be a schema change required due to a B2B change.

More details are provided in the meeting pack.

5.0 Metering Transition Plan – B. Miner (Slides 23 - 26)

AEMO provided an update on items associated to the metering transition plan categories: meter installation and refiguration, meter data delivery, MSATs standing data creation and maintenance and MSP accreditation updates.

Evo Energy asked if AEMO was currently engaging with MSPs regarding potential accreditation requirements. AEMO confirmed that have been, and will continue to, actively engage with these Participants.

AEMO presented 3 timing options regarding the consultation of the Metering Transition Plan deliverable document.

RWG Participants confirmed that Option A was the preferred option, draft paper released on 29 November, 3 week consultation period, comments due by 20 Dec and the final paper to be ready by 7 February 2020.

More details are provided in the meeting pack.

6.0 Contingency Planning – G. Minney (Slides 28 - 34)

AEMO provided an update on the development of the industry contingency plan, highlighting that the 2 proposed contingency workshops would be held on 28 November and 13 December. There will be a call for nominations for those who wish to be involved in the workshops.

AEMO outlined the draft contingency scenario framework.

ACTION 6.1.1: RWG members were requested to provide any feedback on the contingency scenarios presented by 21/11/2019

RWG Participants requested that the contingency scenarios be related to the readiness criteria and also to have an owner for each of the contingency items.

Stanwell Suggested that the contingency scenarios be categorised to assist with assessment and response development. AEMO stated that this would be considered. AEMO also indicated that where existing procedures were in place to address contingency scenarios they would be utilised and that the going in position was that where those procedures exist they would be utilised as the appropriate contingency response.

ACTION: 6.1.2 AEMO to consider how pre existing risks and actions could be included in the Contingency Plan.

RWG Participants questioned whether all the contingency items are related to 5MS industry risks. AEMO confirmed that contingency scenarios would only be included where they related to a 5MS risk.

More details are provided in the meeting pack.

7.0 Forward meeting plan and general questions – G. Minney (Slides 36 - 37)

AEMO presented the proposed content for upcoming RWG meetings. AEMO noted that there will be a December RWG but the current plan is to not have a RWG in January.

Attendees were thanked for their attendance and advised of future RWG meetings:

- Tuesday 10 December 2019
- Wednesday 12 February 2020

Next Systems Working group:

- Friday 22 December 2019

Next Program Consultative Forum

- Wednesday 4 December 2019

Next Executive Forum

- 25 February 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>.

8.0 General Questions – G. Minney (Slide 38)

No general questions were noted.



Item	Topic	Action required	Responsible	By
1.1.1	Welcome and Introduction	Participants to confirm to 5MS@aemo.com.au if required to be added to the RWG distribution list.	RWG	Completed
1.8.1	Market Readiness Strategy	RWG to provide feedback to AEMO on indicative timelines presented.	RWG	Completed
1.9.1	Interim Readiness Reporting	AEMO to release proposed interim reporting commencement dates to RWG.	AEMO	Completed
1.9.2	Interim Readiness Reporting	AEMO to provide the RWG with a draft interim readiness report structure for comment.	AEMO	Completed
1.10.1	Forward Meeting Plan	RWG members to provide proposed content/topic areas for upcoming RWG meetings.	RWG	Completed
2.4.1	Transition Timeline	AEMO to align dates and labelling of MDFF format data transition on staged transition timeline.	AEMO	Completed
2.4.2	Transition Timeline	AEMO to reflect UFE publication milestone of 1 July 2021 on staged transition timeline.	AEMO	Completed
2.4.3	Transition Strategy	RWG members to provide feedback on the presented transition approach at RWG 2 in-line with participant's own implementation programs.	RWG	Completed
2.5.1	UFE publication	AEMO to confirm if and when the draft report on UFE publication will be made available to participants.	AEMO	Completed
2.7.1	Readiness Deliverables	RWG to provide feedback on approach to merge Industry Test and Market Trial Strategy deliverables.	RWG	Completed
2.7.2	Readiness Deliverables	RWG to provide feedback on approach to delay engagement on the Accreditation Update approach from August to October.	RWG	Completed
2.8.1	RWG Content	RWG to provide feedback on proposed content and suggest content for future RWGs.	RWG	Completed



2.8.2	Readiness Deliverables	AEMO to consolidate and discuss Readiness Workstream deliverables with the RWG, including the draft and final dates for each deliverable.	AEMO	Completed
2.9.1	Vendor Engagement	RWG to provide feedback on areas that AEMO could consider further vendor engagements, including approach, areas of significance and timing.	RWG	Completed
2.9.2	Readiness Risks	RWG to provide feedback on the proposed approach to managing readiness issues and risks.	RWG	Completed
3.4.1	Software drops	AEMO to provide RWG with definitions of what is included in the package content of each software drop.	AEMO	Completed
3.5.1	Readiness Risks	AEMO to refine approach to managing industry risks and issues identified by the RWG.	AEMO	Completed
3.5.2	Readiness Risks	AEMO to align cadence of RWG readiness risk assessment sessions with the quarterly PCF risk assessment sessions.	AEMO	Completed
3.5.3	Readiness Risks	AEMO to consider updating R11 in the industry risk register to reflect deliverables that are sequenced over time instead focusing on the final 5MS go-live date.	AEMO	Completed
3.7.1	Focus Groups	RWG to provide suggestions for focus groups and/or topic areas.	RWG	Completed
4.2.1	Reconciliation Support Workshop	AEMO to consider combining the Settlement Managers Working Group with the reconciliation support workshop.	AEMO	Completed
4.4.1	Readiness Reporting	AEMO to provide more information on how readiness reporting can be 'actionable'.	AEMO	Completed
4.5.1	Contingency Arrangements	AEMO to consider including a 'shadow box' (or similar indication) for contingency arrangements on the transition gantt chart.	AEMO	Completed
4.5.2	Contingency Arrangements	AEMO to consider scheduling arrangements for developing agreed contingency scenarios and incorporation into transition plans	AEMO	Completed



4.6.1	Readiness Risks	AEMO to consider proposing a new risk in the industry risk register to manage any risks arising from transitional requirements not defined in procedures.	AEMO	Completed
4.6.2	BSB working group	AEMO to include B2B working group debriefs on the RWG forward agenda when appropriate.	AEMO	Completed
4.6.3	Metering Transition	AEMO to confirm Rule requirements relating to 5 minute metering data (delivery and reception) pre 1 July 2021.	AEMO	Completed
4.6.4	Readiness Risks	AEMO to propose a new risk in the industry risk register to manage risk arising from the ambiguity of 5 minute responsibilities pre-1 July 2021.	AEMO	Completed
4.7.1	Readiness Reporting	RWG to provide feedback on the proposed structure of the industry readiness reporting plan.	RWG	Completed
5.6.1	B2M APIs, Reallocation APIs	RWG members to provide indication of their intent and timing (if known) to implement Reallocation APIs or B2M APIs as components of their programs	RWG	Fri 15 Nov
5.6.2	Focus Groups	RWG to provide feedback on timing, duration, format and requests for pre-meeting materials for the RWG risks and issues workshop, and industry testing and cutover focus groups.	RWG	Fri 8 Nov
5.8.1	MSP accreditation plan	RWG to provide feedback on the proposed MSP accreditation approach.	RWG	Fri 8 Nov
5.9.1	Readiness documents	AEMO to develop a consolidated view of the engagement timelines for all readiness documents.	AEMO	Fri 15 Nov
6.1.1	Contingency Planning	AEMO to categorise the contingency strategies to reflect the pre existing risks and actions.	AEMO	Tues 10 Dec