

5MS and GS Readiness Working Group – Meeting Notes

MEETING: Readiness Working Group
 DATE: Monday, 14 September 2020
 TIME: 10:00 AM – 1:00 PM
 LOCATION: WebEx

Attendees

Attendee	Organisation	Location
Greg Minney	AEMO (Chair)	Remote - WebEx
Anne-Marie McCague	AEMO	Remote - WebEx
Austin Tan	AEMO	Remote - WebEx
Blaine Miner	AEMO	Remote - WebEx
Carol Bosnjak	AEMO	Remote - WebEx
Graeme Windley	AEMO	Remote - WebEx
Ian Devaney	AEMO	Remote - WebEx
Jim Agelopoulos	AEMO	Remote - WebEx
Mark Hillaby	AEMO	Remote - WebEx
Monica Narayan	AEMO	Remote - WebEx
Paul Lyttle	AEMO	Remote - WebEx
Peta Hatzikides	AEMO	Remote - WebEx
Sangeeta Pai	AEMO	Remote - WebEx
Simon Tu	AEMO	Remote - WebEx
Tui Grant	AEMO	Remote - WebEx
Adrian Honey	TasNetworks	Remote - WebEx
Andrew Lenga	ENGIE	Remote - WebEx
Andrew Peart	AGL Energy	Remote - WebEx
Annett Reitmann	AGL Energy	Remote - WebEx
Arif Syarifuddin	Powercor	Remote - WebEx
Audrey Follett	Snowy Hydro	Remote - WebEx
Ben Johnson	ERM Power	Remote - WebEx
Cameron Bath	Energy Australia	Remote - WebEx
Chris Leffler	AGL Energy	Remote - WebEx
Chrstophe Bechia	Red Energy	Remote - WebEx
Cindy Matthews	Ergon Energy	Remote - WebEx
Con Michailides	AusNet Services	Remote - WebEx
Craig Eadie	Aurora Energy	Remote - WebEx
Dan Hiller	Meridian Energy	Remote - WebEx
David Woods	SAPN	Remote - WebEx
Dean Knight	Powerlink	Remote - WebEx
Dickson Abeydeera	Jemena	Remote - WebEx

Dino Ou	Endeavour Energy	Remote - WebEx
Elizabeth Keogh	Stanwell	Remote - WebEx
Ellie Leiper	Actew AGL	Remote - WebEx
Fergus Stuart	Origin Energy	Remote - WebEx
Gail Mitchell	AGL Energy	Remote - WebEx
Grant Ross	Alinta Energy	Remote - WebEx
Greg Fawcett	ENGIE	Remote - WebEx
Greg Szot	CitiPower / Powercor	Remote - WebEx
Helen Rickards	Essential Energy	Remote - WebEx
Helen Vassos	PLUS ES	Remote - WebEx
Ingrid Farah	Ergon Retail	Remote - WebEx
Jacob Lee	Energy Queensland	Remote - WebEx
Jaya Mukherjee	Alinta Energy	Remote - WebEx
Jayendra	Insight Power	Remote - WebEx
Jeff Roberts	Evoenergy	Remote - WebEx
Jenny Mastello	Energy Queensland	Remote - WebEx
Jon Ham	Energy Australia	Remote - WebEx
Joseph Giddings	Energy One	Remote - WebEx
Justin Stute	Mondo	Remote - WebEx
Julie Lee	Clean Co	Remote - WebEx
Justin Wearne	Energetiq	Remote - WebEx
Karan Mengi	EnergyAustralia	Remote - WebEx
Karel Mallinson	Powerlink	Remote - WebEx
Kelly Mason	Ausgrid	Remote - WebEx
Kevin Boutchard	Aurora Energy	Remote - WebEx
Mariaan Wagner	n/a	Remote - WebEx
Marina Bakh	Jemena	Remote - WebEx
Mark Reid	Red / Lumo	Remote - WebEx
Matt Porter	Evoenergy	Remote - WebEx
Matthew Mullen	Jemena	Remote - WebEx
Mahdi Maleki	AusNet Services	Remote - WebEx
Nick Gustafsson	Red Energy	Remote - WebEx
Nicole Bright	Energy Queensland	Remote - WebEx
Owen Self	Stanwell	Remote - WebEx
Paul Greenwood	Vector AMS	Remote - WebEx
Peter Borash	Energy Australia	Remote - WebEx
Peter Gilligan	Ausgrid	Remote - WebEx
Rajiv Balasubramanian	Jemena	Remote - WebEx
Ramesh Khadka	Electranet	Remote - WebEx
Rob Wilson	Jemena	Remote - WebEx
Sandra Ho	Snowy Hydro	Remote - WebEx
Sharleen Flanagan	ERM Power	Remote - WebEx

Shane Murray	Arrow Energy	Remote - WebEx
Soham Roy Chaudhuri	Alinta Energy	Remote - WebEx
Sreeni Srirangam	Metering Dynamics	Remote - WebEx
Steve Smith	Energex	Remote - WebEx
Subhra Sekhar Kar	AGL Energy	Remote - WebEx
Tessie Sato	Alinta Energy	Remote - WebEx
Tilin Yi	EnergyAustralia	Remote - WebEx
Trent Smith	Brave Energy	Remote - WebEx
Victor Sanchez	Infigen	Remote - WebEx
Warren Van Wyk	IntelliHUB	Remote - WebEx
Wilmund Foong	United Energy	Remote - WebEx
Stephen Wilson	Aurora Energy	Remote - WebEx
Zulfi Syed	n/a	Remote - WebEx

1. Welcome, Introduction, Attendance and Apologies – G. Minney (slide 1-2)

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 for inclusion on the attendees list.

2. Minutes and Actions from Previous Meeting – G. Minney (slide 7 - 9)

The actions from meeting RWG #14 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 (slide 10 – 15)

AEMO provided an update on the AEMO program timeline, and highlighted the following:

- Milestones from the previous period have been met
- Upcoming milestones include the development of the Retail platform go-live, and commencement of industry testing for the bidding process

AEMO proposed to move the settlements platform go-live date to 19 April 2021, this is to de-risk the cutover by allowing more time for the retail platform to stabilise prior to the settlements go-live. AEMO noted the benefits and consequences of this proposal, including minor impacts to the implementation of the data model for 5MS purposes. Changes to the data model will be discussed at the Market Systems User Group (MSUG) in early October and will also consider the implementation of other projects (e.g. MT-PASA).

AEMO requested the RWG's feedback on the proposal, including any impacts to participants' programs, testing requirements, and any suggested mitigations.

More details are available on slides 11-15 of the meeting pack.

Action 15.3.1: RWG to identify existing wholesale representative for the Market Systems User Group (MSUG) and contact 5MS mailbox if there is no existing representative.

Action 15.3.2: RWG to provide feedback on the proposed settlements platform go-live date of 19 April 2021, including any impacts to participants' programs, testing requirements, and any suggested mitigations.

4. Procedures Update – S. Tu (slide 16 - 18)

AEMO presented an update on various procedure items, including the:

- Status of each item
- Final determination dates
- Which items were raised by the 5MS program
- Likely impact to AEMO retail systems
- Expected availability in staging
- Readiness considerations (added where known)

AEMO noted that:

- The MSATS standing data review final determination has been published, including determinations on the application of the MeterReadType code (RWDA) to communicate metering reading granularity and TNI2 to support cross-boundary meter scenarios
 - AEMO confirmed that it will set up the TNI2 value for applicable NMIs via CATS transactions.

- Any participants that do not upgrade to the R39 schema will not receive the TNI 2 value, but it can be accessible from MSATS. The consultation relating to the removal of the obligation for the Register ID to equal the Suffix commenced on 6 August 2020 and is scheduled to conclude in early December 2020.

More information can be found on slides 17 and 18 of the meeting pack.

5. Industry Readiness Reporting - G. Minney (slides 19 – 26)

AEMO presented a summary of the results from the third round of readiness reporting, noting strong coverage across participant types and general progress across the industry.

AEMO noted that:

- It will include a prompt to remind participants to respond to the readiness surveys on behalf of all the Participant Types their organisation represents
- Reporting criteria for essential capabilities for 5MS and GS are on track, with the exception of three generators that are reporting their program's implementation of capability to submit 5-minute offers was 'late' or 'at risk'. AEMO noted that it will be following up with these participants to understand the status of their program and whether mitigations or escalation is required at this stage.
- For reporting on the status of Metering Transition Plan activities, for future reporting rounds, AEMO will disable irrelevant status options for specific MTP activities (e.g. 'On track – not started' status would not be selectable where the transition end date of an activity within the sub-category has passed)
- Based on participant responses, there are a limited number of participants that are seeking to enter agreements for the early delivery of 5-minute metering data. AEMO's analysis of those parties indicates that the applicable MDPs are expected to have the capability to provide aggregation service to participants where required.
- There was a wide spread of responses when it comes to participant's progress on vendor agreements, with just under half yet to commence negotiations with vendors. Based on suggestions from RWG members, AEMO agreed that the question will be reworded to 'key vendor agreements for 5MS and GS implementation'.
- There were no major changes in the industry's response to COVID compared to the previous round of reporting

6. Wholesale Data Model Updates for Upcoming Initiatives – S. Pai (27 - 28)

AEMO informed the RWG of the Data Model Release v5.0, noting that it includes other application changes outside the 5MS program. A detailed discussion will be conducted in early October at the MSUG.

In response to a query, AEMO clarified that updates to MTPASA_DUIDAVAILABILITY is included in this release.

7. Testing Update – T. Grant (29 - 34)

AEMO provided an update on the defects identified in the 5MS Staging Environment. More information can be found on slide 32 of the meeting pack.

AEMO presented an overview of the functionality available in staging release 3, noting that standing data updates will update in MSATS, but will not flow through to Meter Data validations.

AEMO requested nominations from the RWG for participants that are able to assist AEMO with preparing the testing approach or executing formal invitation testing of the retail platform.

AEMO noted that a participant has raised an issue that functional releases into the 5MS Staging Environment currently does not allow for end-to-end integrated testing of 5MS and GS functionality (e.g. a full settlement run can be performed individually in MSATS and the Settlement Platform, but cannot be executed end-to-end across both platforms). AEMO requested the RWG to provide a list and description of any required testing that:

- Cannot be carried out in 5MS Staging
- Is unacceptably complicated by the requirement to re-point from one environment to another
- Cannot wait until the functionality has been deployed into the pre-production environment.

The RWG agreed that this issue would remain open and that the mitigation measures would be updated to state that participants should contact AEMO in the instant that it is not possible to carry out tests required by the participant's program within the limitations of the 5MS Staging Environment and / or AEMO pre-prod environment.

Action 15.7.1: RWG to inform AEMO if their organisation is able to assist AEMO with preparing the testing approach or executing formal invitation testing of the retail platform.

Action 15.7.2: RWG to provide a list and description of any required testing that cannot be carried out in 5MS Staging, is unacceptably complicated by the requirement to re-point from one environment to another, and cannot wait until the functionality has been deployed into the pre-production environment.

Action 15.7.3: AEMO to update the Industry Risks and Issues Register with the mitigation measures agreed at the RWG.

8. Readiness Risks and Issues – G. Minney (slide 35 – 38)

AEMO presented and reviewed the risks and issues in the Industry risks and issues register, including risks related to the metering transition, and risks related to participant readiness. Proposed amendments are detailed on slide 36 to 38 of the meeting pack. Proposed amendments to differentiate risk R02 and R19 were tabled and agreed.

9. Dispatch / Bidding Update – I. Devaney (slide 39 – 41)

AEMO presented the timelines and supported functionalities, associated to the Bidding/Dispatch platform, for Staging, Pre-production and Production environments. More details are available on slides 40 and 41 of the meeting pack.

10. Settlements Update – M. Hillaby (slide 42 - 45)

AEMO presented the timelines and supported functionalities, associated to the Settlements platform, for Staging, Pre-production and Production environments. More details are available on slides 43 and 44 of the meeting pack.

AEMO also noted that the following activities are now underway:

- first migration activity new tools carried out in SIT
- SIT testing
- Certification activities

11. Retail / Metering readiness – J. Agelopoulos (slides 46 – 48)

AEMO noted that there were no issues to call out in relation to the retail workstream.

12. RM20 PPS Report Simplification – S. Tu (slides 49 – 51)

AEMO presented a proposed simplification to the RM20 PPS Report, and invited the RWG to provide any feedback by Friday 18 September 2020. More information on the proposed change can be found on slides 50 and 51.

In response to a participant query, AEMO clarified that the RM20 change will be included before the 5MS rule change date, and will be deployed in the staging environment when 5 minute functionality is deployed.

Action 15.12.1: RWG to provide feedback on proposed simplification to the RM20 PPS Report

13. Retail Platform Go-live Plan – G. Minney (slide 52 - 55)

AEMO reiterated the outline of the Retail go-live plan, including the document development timeline and any next steps. AEMO invited the RWG to nominate Cutover Focus Group members, noting that members are expected to understand the business and technical aspects of their organisation's system cutover.

Action 15.13.1: RWG to nominate Cutover Focus Group members

14. Forward Plan and Other Business – G. Minney (slide 56 - 60)

Attendees were thanked for their attendance and advised of future in-session RWG meetings.

Next Readiness Working Group:

- Tuesday 13 October 2020

Next Program Consultative Forum:

- Thursday 1 October 2020

Next Executive Forum

- Thursday 8 October 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	Completed
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	Completed
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	Completed
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	Completed
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	Completed
11.4.7	Proposed milestone changes	AEMO to provide explanation of how 5-min bilateral testing will be supported	AEMO	Completed
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	Completed
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	Completed
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	Completed
11.8.3	Bidding transition plan	AEMO to discuss bidding transition approach with the Dispatch Focus Group	AEMO	Completed
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	Completed
12.7.1	Industry testing	AEMO to update industry testing slides with clarifications	AEMO	Completed
12.7.2	Industry testing	AEMO to provide more details on the testing scope (e.g. test objective, key participants, key scenarios)	AEMO	Completed
12.7.3	Industry testing	RWG to provide feedback on their testing requirements for Dispatch, Settlement and Retail systems in pre-production	RWG	Completed
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	Completed

12.8.2	Readiness reporting	RWG to provide feedback on the proposed bar chart format for readiness reporting results	RWG	Completed
12.8.3	Readiness reporting	RWG to provide suggestions on any changes to the readiness reporting plan	RWG	Completed
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	RWG / AEMO	Completed
14.5.1	Regulatory Roadmap	AEMO to circulate regulatory roadmap workshop slide pack to RWG	AEMO	Completed
14.6.1	Retail Procedures	AEMO to add details of any aseXML schema impacts to the AEMO Retail Systems Impact for a Procedure issue.	AEMO	Completed
14.7.1	Transition Risks	RWG to consider their organisation's exposure to the risk of a 'big bang' delivery of 5min metering data in Production i.e. waiting until 5MS commencement to deliver/receive 5min metering data for the first time in Production.	RWG	Completed
14.7.2	Readiness Reporting	RWG to provide feedback on proposed approach to track if industry is on track for 5MS and GS commencements	RWG	Completed
14.11.1	Transition Approach	AEMO to include transition diagrams in the functionality matrix document	AEMO	Completed
14.12.1	Metering Transition Plan	RWG to provide feedback on the proposed changes to the MTP, and inform AEMO if a more restrictive or flexible transition period is preferred for MSATs Standing Data Creation and Maintenance activities	RWG	Completed
14.13.1	RM Reports	AEMO to confirm if Participants will receive push reports if there is no data missing	AEMO	Completed
14.13.2	GLOPOOL Updates	AEMO to confirm the timeframes and the approach for the transition of GLOPOOL	AEMO	Mon 14 Sep
14.14.1	Retail Platform Go-live Plan	RWG to provide feedback on the proposed high level structure of the Retail platform go-live plan	RWG	Completed
15.3.1	AEMO Data Model	RWG to identify existing wholesale representative for the Market Systems User Group (MSUG) and contact 5MS mailbox if there is no existing representative	RWG	Fri 2 Oct

15.3.2	Settlements Platform	RWG to provide feedback on the proposed settlements platform go-live date of 19 April 2021, including any impacts to participants' programs, testing requirements, and any suggested mitigations	RWG	Fri 23 Oct
15.7.1	Testing	RWG to inform AEMO if their organisation is able to assist AEMO with preparing the testing approach, or executing formal invitation testing of the retail platform	RWG	Fri 2 Oct
15.7.2	Testing	RWG to provide a list and description of any required testing that cannot be carried out in 5MS Staging, is unacceptably complicated by the requirement to replot from one environment to another, and cannot wait until the functionality has been deployed into the pre-production environment	RWG	Ongoing
15.7.3	Testing	AEMO to update the Industry Risks and Issues Register with the mitigation measures agreed at the RWG	AEMO	Tue 13 Oct
15.12.1	RM20 Report	RWG to provide feedback on proposed simplification to the RM20 PPS Report	RWG	Fri 18 Sep
15.13.1	Cutover Focus Group	RWG to nominate Cutover Focus Group members	RWG	Fri 2 Oct