

5MS and GS Readiness Working Group – Meeting Notes

MEETING: Readiness Working Group
 DATE: Tuesday, 12 January 2021
 TIME: 10:00 AM – 12:00 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
Liz Bernhardt	AEMO	Remote - WebEx
Monica Narayan	AEMO	Remote - WebEx
Naomi Byrnes	AEMO	Remote - WebEx
Sarah Pearson	AEMO	Remote - WebEx
Simon Tu	AEMO	Remote - WebEx
Tui Grant	AEMO	Remote - WebEx
Chris Leffler	AGL Energy	Remote - WebEx
Subhra Sekhar Kar	AGL Energy	Remote - WebEx
David Rundell	Alcoa	Remote - WebEx
Jaya Mukherjee	Alinta Energy	Remote - WebEx
Natasha Rajdev	Alinta Energy	Remote - WebEx
Naomi Donohue	APA Group	Remote - WebEx
Shane Murray	Arrow Energy	Remote - WebEx
Craig Eadie	Aurora Energy	Remote - WebEx
Kevin Boutchard	Aurora Energy	Remote - WebEx
Con Michailides	AusNet Services	Remote - WebEx
Mahdi Maleki	AusNet Services	Remote - WebEx
Vesna Dulovic	Austnet	Remote - WebEx
Greg Szot	CitiPower / Powercor	Remote - WebEx
James Hutt	CS Energy	Remote - WebEx
Steve Smith	Energyx	Remote - WebEx
Kingson Asirrajan	Energy Australia	Remote - WebEx
Luke Emrose	Energy Australia	Remote - WebEx
Subrat Padhi	Energy Australia	Remote - WebEx

Joseph Giddings	Energy One	Remote - WebEx
Jenny Mastello	Energy Queensland	Remote - WebEx
Nicole Bright	Energy Queensland	Remote - WebEx
Tilin Yi	EnergyAustralia	Remote - WebEx
Andrew Lenga	ENGIE	Remote - WebEx
Greg Fawcett	ENGIE	Remote - WebEx
Sharleen Flanagan	ERM Power	Remote - WebEx
Helen Rickards	Essential Energy	Remote - WebEx
Steve Blair	Essential Energy	Remote - WebEx
Tim Lloyd	Essential Energy	Remote - WebEx
Jeff Roberts	Evoenergy	Remote - WebEx
Luke Garrett	Evoenergy	Remote - WebEx
Natalie Junge	Infigen	Remote - WebEx
Jayendra Weerawardana	Insight Power	Remote - WebEx
Chai No	Intergen	Remote - WebEx
David Murphy	Jemena	Remote - WebEx
Didier Pyndiah	Jemena	Remote - WebEx
Leon Vilfand	Jemena	Remote - WebEx
Marina Bakh	Jemena	Remote - WebEx
Rob Wilson	Jemena	Remote - WebEx
Dan Hiller	Meridian Energy	Remote - WebEx
Cindy Matthews	Metering Dynamics	Remote - WebEx
Mark Lee	Momentum Energy	Remote - WebEx
Neville Lewis	Mondo	Remote - WebEx
Brendan Twiddy	Origin Energy	Remote - WebEx
Chantal Wright	Origin Energy	Remote - WebEx
Fergus Stuart	Origin Energy	Remote - WebEx
Linda Brackenbury	PlusES	Remote - WebEx
Dean Knight	Powerlink	Remote - WebEx
Karel Mallinson	Powerlink	Remote - WebEx
Mark Reid	Red / Lumo	Remote - WebEx
Sam Gard	RES Australia	Remote - WebEx
Kamiran Pillay	SA Water	Remote - WebEx
David Woods	SAPN	Remote - WebEx
Kerrye Bradford	Secure Meters	Remote - WebEx
Audrey Follett	Snowy Hydro	Remote - WebEx
Eileen Hayes	Snowy Hydro	Remote - WebEx
Sandra Ho	Snowy Hydro	Remote - WebEx
Chris Reilly	Stanwell	Remote - WebEx
Elizabeth Keogh	Stanwell	Remote - WebEx
Kim Elms	Stanwell	Remote - WebEx
Rossi Mangano	Stanwell	Remote - WebEx

Adrian Honey	TasNetworks	Remote - WebEx
Angus Sinclair		Remote - WebEx
Michael Tomaras		Remote - WebEx
Natasha Seelig		Remote - WebEx
Theresa McGinley		Remote - WebEx

1. Welcome, Introduction, Attendance and Apologies – G. Minney (slide 1-5)

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 – A. McCague (slide 6 - 7)

The actions from meeting RWG #18 have been reviewed and updated. Please refer to the meeting pack and list below for more details.

Action 18.12.1 was left open, with a request that participants confirm their understanding of cutover requirements

Action 19.2.1: AEMO to confirm that NCONUML NMI class codes related changes in the B2B schema relates to the NCONUML CustomerType field and not the ability for all NCONUML to use B2B (even if the field does not apply to them)

3. 5MS Program Update – G. Minney (slide 8 – 11)

AEMO provided an update on the AEMO program timeline, noting that the retail platform pre-production and production deployment date has been deferred. AEMO noted that the new retail platform go-live date, and testing windows will be presented to the PCF on 20 January 2021.

In response to a participant query, AEMO noted that the timeline for AEMO to accept NEM12 files will also be reassessed in line with the new Retail platform go-live date.

4. Market Go-live Criteria and Process – G. Minney (slide 12 - 20)

AEMO presented the draft approach to assess readiness for Market Commencement, including the engagement process with the AEMO Steering Committee, PCF and Executive forum .

In response to participant queries, AEMO:

- Confirmed that essential meters are defined as type 1-4 transmission connected meters, and the readiness status and progress of these meters will be reported separately to other meters
- Noted the AEMO 5-minute settlement platform will facilitate 5-minute settlement across the industry, with market customers and generators provided with settlement invoices that calculate settlement at the 5-minute level
- Clarified that slide 19 and 20 detailing supporting indicators on participant readiness will be used as a basis to benchmark participant progress, with any insights provided as commentary in the readiness reports and dashboards, supporting participant reporting of readiness.

5. Testing Update – T. Grant (20 - 24)

AEMO provided an update on industry testing, noting that an outage will take place in early February in the Staging Environment to migrate across to the end state solution for MSTAST and that the Wholesale applications (Settlement and Bidding) would not be impacted.

In response to a question from AEMO, the RWG decided that the ITWG should proceed on 27 January 2021. The ITWG will discuss the invitation industry testing scenarios and the impact of the Retail and Settlements date changes.

AEMO provided an update on the 5MS staging environment defects and 5MS bidding service defects. More information is available on slides 23 and 24 of the meeting pack.

In response to a participant query, AEMO clarified that the 5MS MSATS functionality is not currently in pre-production i.e. the functionality in MSATS pre-production is the same as MSATS production.

6. Industry Risks and Issues Register – A. McCague (slide 25 – 33)

AEMO facilitated a review session of the existing risks, their current ratings and to consider their controls.

The RWG agreed that:

- Readiness risks should be reassessed at the next RWG after the new Retail platform go-live date is known and impacts to participant plans are assessed
- R14 – Change trend to worsened
- R17 – Change trend to stable
- R19 – Action - reassess once retail date change is communicated?
- R11 – The Retail and settlements platform go-live date delay is not expected to significantly impact Therefore no changes are proposed.

In response to participant queries, AEMO:

- Confirmed that all pre-production go-lives, production go-live and Dress Rehearsals are practiced.
- Noted that other risks to the 5MS and GS program, including risks arising from changes to procedures will be discussed at the PCF on 20 January 2021
- Requested Participants to contact 5MS should Risk 110, single environment to complete industry testing, is causing any impacts to Participant programs

One participant noted a preference for AEMO to not commence any further procedure consultations unless critical to 5MS/GS. It was noted that even minor consultations diverts attention from program teams already in build/test phases and any re-design causes disruption and incurs re-testing overhead.

7. Transition Focus Group / Metering Transition Plan Update – B. Miner (slide 34 – 35)

AEMO noted that the next TFG meeting is scheduled for the 29 January 2021 and presented the proposed agenda. More information is provided on slide 35 of the meeting pack.

AEMO highlighted that only a small number of MCs and MDPs have provided an update on their metering rollout plans in December 2020. AEMO requested that all remaining MCs and MDPs that have not responded to provide an update on their rollout plan as soon as possible.

Action 19.7.1: MCs and MDPs who did not provide a rollout plan update to AEMO in Dec 2020 to forward one to the 5MS inbox as soon as possible

8. Procedures Update – S. Tu (slide 36 - 39)

AEMO presented an update on the procedure consultations related to 5MS/GS, noting that there has been no changes from the previous update.

AEMO noted that the consolidation of Retail Electricity Procedures will not be a full consultation, as the Procedures (BAU and 5MS/GS) have already gone through their respective formal consultations. Some members of the RWG noted a need for tracked changes versions to clearly show any updated items.

9. Dispatch / Bidding Update – I. Devaney (slide 40 – 43)

AEMO provided an update on the bidding and dispatch platform, noting that deployments are progressing on schedule.

AEMO noted that:

- The program testing team will be using a select few participant's Participant IDs to execute performance test of the Bidding Service, the participants have been advised.
- There will be a new release of the bidding service and web bidding screens in late February to rectify defects identified through user acceptance testing.

In response to participant queries, AEMO confirmed that the latest data model has been released and includes PREDISPATCH P5 (FSIP & 5MPD Price Sensitivities) capability.

Action 19.9.1: AEMO to provide a list of the UAT Bidding Service defect fixes that will be put into pre-production in February 2021 before they are applied for information **(Requested by Greg from Origin)**

10. Bidding Go-Live Plan – I. Devaney (slide 44 – 45)

AEMO provided an overview of the bidding platform go-live, noting that:

- 5-Minute bidding will be available from the 1st of April at approximately 12:00 in the production environment.
- This service will be available in parallel with what will be our Legacy 30-Minute bidding service. Hence, participants are not obliged to commence using the new service on the 1st of April.
- There will be no disruption to the current 30-minute Bidding Service

More details can be found on slide 45 of the meeting pack.

11. Settlements Update – M. Hillaby (slide 46 - 49)

AEMO noted that the Settlements platform go-live date will be deferred in line with the Retail platform go-live date. More details will be confirmed at the PCF on 20 January 2021.

AEMO provided an update on the settlements workstream, noting that:

- The environment build for pre-production is complete,
- Certification activities continue to plan,
- Parallel testing is 50% complete
- UAT is in progress
- Performance testing commences mid January 2021

12. Retail / Metering readiness – J. Agelopoulos (slides 50 – 52)

AEMO noted that the more details on the Retail platform go-live deferral will be provided at the PCF on 20 January 2021.

13. Retail Platform Go-live Plan – G. Minney (slide 53 - 55)

AEMO provided an update on the retail platform go-live plan, noting that a minor update was issued on 18 December 2020 to confirm that the r39_p1 schema replaces the r39 schema. AEMO noted that it is currently conducting a post implementation review of dress rehearsal 2.

AEMO reminded MDPs to advise if they can continue delivering metering data in MDMT in the event of a rollback during the retail cutover.

Action 19.13.1: MDPs to advise if they are able to continue delivering metering data in MDMT in the event of a rollback during the retail cutover

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

AEMO presented the proposed topics for the upcoming RWGs and ITWGs in 2021. AEMO noted that the next readiness reporting survey will be issued on 2 February 2021, with the next RWG to be held on 9 February 2021. Attendees were thanked for their attendance and advised of future in-session RWG meetings.

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	Completed
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	Completed
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	Completed

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 re-point from one environment to another, and cannot wait until the functionality has been deployed into the pre-production environment	RWG	Completed
15.7.3	Testing	AEMO to update the Industry Risks and Issues Register with the mitigation measures agreed at the RWG	AEMO	Completed
15.12.1	RM20 Report	RWG to provide feedback on proposed simplification to the RM20 PPS Report	RWG	Completed
15.13.1	Cutover Focus Group	RWG to nominate Cutover Focus Group members	RWG	Completed
16.9.1	Global Settlement	AEMO to provide RWG with implementation approach, timeframes and testing approach of Global Settlement changes (e.g. LR to GLOOPOOL transition).	AEMO	Completed
16.9.2	Global Settlement	AEMO will confirm considerations for the provision of Tier 2 accumulation meter data to LRs post GS go live	AEMO	Completed
16.11.1	Transition Focus Group	AEMO to organise a separate focus group session to discuss the potential system impacts associated to the anticipated volume of MTP related CATS CR transactions and notifications.	AEMO	Completed
16.12.1	Retail platform industry go-live plan	RWG to provide feedback on the Retail platform industry go-live plan	RWG	Completed
16.13.1	Readiness reporting	AEMO to make a recommendation to the PCF regarding if 5MS readiness reporting should incorporate considerations involving customer switching and WDR.	AEMO	Completed
17.4.1	Procedural updates	AEMO to confirm with RWG timing and 5MS impact of NCONUML NMI class codes related changes in the schema	AEMO	Completed
17.6.1	Cross boundary meters	AEMO to establish with DNSPs the extent that cross boundary meters will be compliant by 1 October 2021, and any potential industry impacts of non-compliance.	AEMO	Completed
17.7.1	Readiness reporting	AEMO to remove questions related to 5MS and GS program establishment from readiness surveys	AEMO	Completed

17.7.2	Readiness reporting	AEMO to consider how to incorporate monitoring of the impacts to 5MS from other regulatory change happening in October 2021 (i.e. Customer Switching, WDR).	AEMO	Completed
17.9.1	Settlements platform timelines	AEMO to update settlements staging, pre-production and production timelines diagram legend	AEMO	Completed
18.5.1	Industry testing	AEMO to circulate copy of test scenarios for industry testing to the RWG	AEMO	Completed
18.5.2	Industry testing	AEMO to send sample aseXML reports to relevant participants	AEMO	Completed
18.5.3	Retail platform cutover	MDPs to advise if they are able to continue delivering metering data in MDMT in the event of a rollback during the retail cutover	RWG	Completed
19.2.1	B2B schema changes	AEMO to confirm that NCONUML NMI class codes related changes in the B2B schema relates to the NCONUML CustomerType field and not the ability for all NCONUML to use B2B (even if the field does not apply to them)	AEMO	Tue 9 Feb
19.7.1	Metering rollout plans	MCs and MDPs who did not provide a rollout plan update to AEMO in Dec 2020 to forward one to the 5MS inbox as soon as possible	RWG	Fri 22 Jan
19.9.1	Industry testing	AEMO to provide a list of the UAT Bidding Service defect fixes that will be put into pre-production in February 2021 before they are applied	AEMO	Tue 9 Feb
19.13.1	Retail platform cutover	MDPs to advise if they are able to continue delivering metering data in MDMT in the event of a rollback during the retail cutover	RWG	Fri 22 Jan