

## 5MS and GS – Meeting Notes

MEETING: PCF #18  
 DATE: Tuesday, 4 February 2020  
 TIME: 10:00 AM – 1:00 PM  
 LOCATION: AEMO Offices in Melbourne, Sydney, Brisbane and by WebEx

Attendee	Organisation	Location
Peter Carruthers	AEMO (Chair)	Melbourne
Anne-Marie McCague	AEMO	Melbourne
Graeme Windley	AEMO	Melbourne
Greg Minney	AEMO	Melbourne
Darren Pace	Alinta	Remote - WebEx
Corinna Woolford	Aurora Energy	Remote - WebEx
Emma Youill	Aurora Energy	Remote - WebEx
Justin Betlehem	AusNet Services	Remote - WebEx
Eugene Tverdolov	Powercor	Remote - WebEx
Nicole Bright	EnergyQueensland	Remote - WebEx
Ingrid Farah	Ergon Energy Retail	Remote - WebEx
Matt Porter EvoEnergy	EvoEnergy	Remote - WebEx
Sabrina Akhter	Flow Power	Remote - WebEx
David McKenzie	Flow Power	Remote - WebEx
Hansen Technologies	Mark Maiolo	Remote - WebEx
Steve Smith	Meridian Energy	Remote - WebEx
Linda Brackenbury	Plus ES	Remote - WebEx
David Woods	SA Power Networks	Remote - WebEx
Jan DeLaet	SA Power Networks	Remote - WebEx
Adam Branson	Stanwell	Remote - WebEx
Elizabeth Byrne	Stanwell Corporation	Remote - WebEx
Adrian Honey	TasNetworks	Remote - WebEx
Mike Stockley	AGL	Melbourne
Cameron Bath	Energy Australia	Melbourne
Wayne Rau	Engie	Melbourne
Robert Lo Giudice	IntelliHUB Pty Ltd	Melbourne
David Woods	AGL	Melbourne
Andrew Fooks	Energy Aust	Melbourne
Cameron Bath	EnergyAustralia	Melbourne
Nathan Bruhi	APA Group	Brisbane
Naomi Donohue	APA Group	Brisbane

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, Introduction, Attendance and Apologies – P. Carruthers (slide 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](mailto:5ms@aemo.com.au) for inclusion on the attendees list.

### 2. Minutes and Actions from Previous Meeting – P. Carruthers (slide 5)

The actions were reviewed as per slide 5.

### 3. Program Update – G. Windley (slides 6-8)

AEMO provided a program and milestone update and overview. It was noted that L1-12 and L1-3 were now complete and the status report will be updated accordingly.

It was confirmed that Rowena Leung would commence in the position of AEMO 5MS Program Director on 10 February 2020.

An update was provided for L2-M14 – B2M via API Go-Live due 17 March 2020 stating that the milestone is now tracking as red. This is due to the delays that AEMO has experienced establishing the MarketNet link to AEMO’s new API Gateway in conjunction with the legacy SMP e-Hub API Gateway. AEMO is proposing to re-schedule this milestone to align the go-live date for B2M via API Go-Live with the 30-min Metering Solution Go-Live milestone on 7 December 2020. This date was selected as it will save time in testing which will allow AEMO to refocus resources on to areas that have more impact to participants.

AEMO is seeking feedback on the proposal to re-baseline of L2-M14 – B2M via API Go-Live to 7 December 2020.

A clarification was made that this milestone refers to the functionality being available in production.

No.	Action	Owner	Due By
18.3.1	All participants to provide feedback on the proposal to re-baseline of L2-M14 – B2M via API Go-Live to 7 December 2020.	Participants	14/02/2020

### 4. Milestone Realignment – Greg Minney (slides 9 – 21)

It was explained that there had been a number of milestones waiting for the finalisation of the Transition Plan to be baselined. Given that the Transition Plan has now been finalised the 5MS Program has undertaken an exercise to align the dates with the Transition Plan.

The changes that were made to the milestones was presented as summarised on slides nine to 21.

A discussion about the length of time assigned to Participant Testing (Market Trial and Industry Testing) took place. It was clarified that Participant Testing had been broken into multiple sections in line with the Transition Plan and that the total time had not been reduced.

A question was raised requesting clarity on the date for the milestone “Industry Test prep complete by participants and AEMO – MDM & B2M Go-Live” on 22 October 2020. It was noted by the participant that the Industry Test and Market Trial Strategy has the Industry Test for this milestone running from 12 October to 1 December 2020. The 5MS Program confirmed that the date should be 22 October 2020 and an action was taken to verify.

It was noted by the participant that the go-live date for the AEMO metering solution is 7 December 2020, however previous reporting stated it was 5 December 2020. AEMO confirmed that the milestone had been moved to align with the start of the working week to allow for actions to take place over the weekend.

A participant asked for clarity on whether the 5MS Capability Market Trial included Global Settlement. AEMO explained that as part of the 5MS Capability Market Trial will include testing the functionality around the reporting of UFE and the new Settlement invoice format in Settlement by Difference mode. There will be a line for UFE but it won't be included in the “amount paid” calculation which is consistent with the 1 July 2021 go-live. There will be a separate Market Trial for the Global Settlement invoicing reconciliation process which will also include the update of the Local Retailer responsibility. This will be after 1 July 2021.

An action was taken by AEMO to follow up on the split of GS capability over two separate Market Trials with the Industry Test Working Group.

A participant noted that the date for the GS Market Trial is presented as 15/09/21 compared to 1/10/21 to 15/11/21 in the Industry Test Plan. An action was taken by AEMO to ensure these milestones are aligned.

AEMO noted that some milestones were moved from the Systems Development stream into the Readiness stream to better reflect the Transition Plan.

AEMO confirmed that the Settlements Platform Go-Live would be a continuation of 30-min settlement but with the use of the upgraded AEMO platform.

It was suggested by a participant that the Level 1 milestones only represent one of the Market Trial periods and does not describe the total amount of Participant Testing. It was explained by AEMO that this decision was taken to demonstrate the Market Trial period that was relevant to all participant type. An action was taken by AEMO to consider representing all Participant Testing as Level 1 milestones.

AEMO agreed to update the milestones based on the feedback received in PCF#18 and to re-issue for consideration and feedback. It was agreed that a follow-up meeting would be held to discuss the milestone changes if necessary.

No.	Action	Owner	Due By
18.4.1	AEMO to confirm that the date for milestone Industry Test prep complete by participants and AEMO – MDM & B2M Go-Live should be 22 October 2020	AEMO	07/02/20
18.4.2	AEMO to add the split of GS functionality across two Market Trials to the ITWG agenda	AEMO	19/02/20
18.4.3	AEMO to consider adding all Participant Testing to Level 1 milestones	AEMO	07/02/20

18.4.4	AEMO to update milestones based on initial PCF feedback and re-issue to PCF	AEMO	07/02/20
18.4.5	PCF members to review changes to 5MS milestones and provide feedback via 5MS mailbox	PCF members	14/02/20
18.4.6	AEMO to confirm the alignment of the dates for the GS Market Trial in the milestone realignment exercise and the Industry Test Plan	AEMO	07/02/20

## 5. Systems Workstream Update – G. Windley (slides 22 – 32)

It was noted that the 5MS Program was on track for the Reallocations Go-Live on 1 April 2020. The deployment of the functionality into the AEMO pre-prod environment is due to take place on 26 February 2020 and will be available for Industry Testing. The Reallocations Go-Live will allow for the submission of reallocations on 5 minute basis beyond 1 July 2021.

It was noted that the deployment of reallocations into pre-prod has moved from 1 March to 26 February. This is to accommodate AEMO internal processes. AEMO took an action to ensure that this date change was highlighted in the milestones tracking.

The draft aseXML schema should be available by the next SWG on 17 February. It is necessary to coordinate the release of the aseXML schemas with the Customer Switching Project.

An update was provided on the 5MS Staging Environment. Participant interaction has been low which is in line with the AEMO understanding of status of participant programs. A drop for Settlements was due on 31 January 2020 which included Data Model finalisation this will now be available on 21 February. This does not impact the Settlements Data Model, which is currently available. The UFE tables will be realigned with the drop on 21 February. This is because the solution in the 5MS Staging Environment currently provides reallocations at 30-minute intervals. The drop on 21 February will allow for reallocations on a 5-minute basis which will require the UFE tables to be updated.

Minor changes to the Settlements and Billing Data Model that was published on 20 January 2020 -will be made and published by 14 February 2020. A number of oversights have been identified by participants and will be updated. Other changes are a result of other changes in AEMO that impact the 5MS related Technical Specifications.

## 6. Readiness Workstream Update – G. Minney (slides 33-36)

The Readiness Workstream update was provided. The timeline for the readiness papers was presented. It was noted that the Industry Test and Market Trial Strategy and Transition and Go-Live Strategy had been finalised and that the 5MS Readiness time was now working on the implementation of those strategies.

Feedback has been received from participants on the Contingency Plan. The 5MS Readiness team are reviewing and incorporating the comments.

The initial full Readiness survey is due to be distributed on 5 February 2020. The Readiness Report will consolidate the feedback and will be issued on 28 February for review by the RWG and PCF.

Feedback has been received from participants on the Metering Transition Plan.

It was noted that the period for feedback on the Metering Accreditation Update Plan closed on 31 January 2020.

A question was raised by a participant on how AEMO was going to report externally on the certification exercise that is being undertaken on the 5MS solution. AEMO confirmed that a certification exercise will be undertaken. AEMO took an action to identify a way to present the results of that exercise to participants.

No.	Action	Owner	Due By
18.6.1	AEMO to consider how the results of the 5MS solution certification will be presented to participants.	AEMO	05/03/2020

## **7. Change Request Update – P. Carruthers (slides 37-38)**

AEMO provide an update on the Change Requests. CR19 (continuation of 30-minute RM and settlement reports) has not received support from participants. The participant that had originally raised the change request has decided to approach the issue in another way and no longer needs the change. As a result, AEMO is closing CR19.

CR32 (5MPD Price Sensitivities) requires further information around the costing for the change. There will be a process for the 5MS Dispatch team to engage with participants on the parameters for the price sensitivities. A Focus Group session will be scheduled for this discussion. Assumptions around these parameters will be made to enable the change request to be costed and approved.

## **8. Industry Readiness Strategies Update – G. Minney (slides 32-36)**

AEMO provided an update on the Industry Readiness Strategies. The timeline for Metering Transition was presented.

A question was raised for AEMO to clarify when participant systems need to be ready to receive NMI classification codes. AEMO confirmed that NMI classification codes will be in production by the end of May 2020. The population of the codes will be allowed by 1 April 2020. This is when AEMO expects the MDPs to upload the codes from 1 April and that this exercise will be completed by end of May 2020. AEMO took an action to confirm the dates for the planned transition start for the update of NMI classification codes.

It was noted by a participant that there was a discussion in the ITWG regarding the interaction between the MDM Platform go-live on 7 December 2020 and the Metering Transition Plan. The participant asked if AEMO planned to put a mechanism in place to stop the submission of CATS transactions before the Metering Transition Plan allows it. AEMO confirmed the capability will be available from the MDM Platform go-live. It was noted that there is potential for the updated data value within an existing transaction type may arrive before participants' systems are ready to receive this form of data. There will be further planning for the Metering Transition activities. This planning will address the open questions around the timing of data updates performed by other participants.

## **9. Cost Recovery – Consultation Update – P. Carruthers (slide 42)**

A consultation was held in 2019 to determine whether the 5MS program met the criteria to be a NEM declared project. This process concluded in November 2019 and the outcome was that the 5MS Program does meet the criteria to be a NEM declared project. The next step is for AEMO to determine the proposal for the recovery mechanism for the cost of the 5MS Program including the structure of fees and how fees should be recovered. The timeline for this proposal and subsequent consultation will be provided at the 5MS Executive Forum. It was noted that the timeline had not yet been set as the process needs to run in parallel with the AEMO fee recovery consultation process. This will be subject to consultation throughout 2020. This approach will allow for the 5MS fee recovery mechanism to be integrated with the AEMO fee recovery mechanism and will allow for participants to review both proposals at the same time.

One participant raised a concern that a view of the 5MS cost recovery is needed by participants in their forward cost planning. AEMO noted that costs were presented to the Executive Forum in 2019. Those costs have not changed since the presentation and will provide an indicative view of the costs.

AEMO explained that the timeline for the 5MS Program and the AEMO consultation will have the same timeline but the papers will be separate.

#### **10. Industry Risks and Issues Register – AM. McCague (slide 43 – 48)**

The quarterly review of the Industry Risks and Issues Register took place. The RWG and SWG had completed a review in preparation of the PCF review. The new risks that were raised by the RWG were raised. The PCF agreed that the risks should be added to the register and tracked.

A question was raised about dress rehearsals and whether it is an AEMO dress rehearsal or if industry would be involved. AEMO confirmed that the planning for these is ongoing with the RWG.

One risk (R06) with a critical residual risk rating was reviewed. It was agreed that there was no change to this risk. It was agreed that the trend for R02 should be stable and that it should be reviewed once the results of the first round of Readiness Reporting have been reported.

It was agreed that R03b should be closed as the summer period has occurred.

It was noted that there is similarity between R06 and R09. It was agreed that residual ratings for R06 are more relevant to R09. R06 represents the risk relating to rules changes that have been approved. R09 represents the risk associated with future rule changes. AEMO took an action to review these risks.

It was agreed to accept the RWG proposed wording for the description and list of controls for R17.

An updated was provided for the open issues on the Industry Risk and Issues Register. It was agreed that I06 can be closed once the Metering Transition Plan is published on 7 February 2020.

No.	Action	Owner	Due By
18.10.1	AEMO to review R06 and R09 and consider the risk ratings.	AEMO	14/02/20

## **11. General Questions – P. Carruthers (slide 49)**

One participant noted that it was difficult to understand which milestones AEMO internal milestones and which milestones are owned by participants. It was also noted that it can be difficult to understand which milestones are AEMO go-live milestones and when the timeline shows the functionality is available to participants.

## **12. Forward Meeting Plan – P. Carruthers and AM. McCague (slide 50)**

It was explained that AEMO is proposing to move the Executive Forum to align with the Readiness Reporting to allow the PCF and RWG to receive the information in advance of the Executive Forums. It was agreed to move the Executive Forum dates.

The initial results from the Quarterly Stakeholder Engagement Survey was presented. A report on the survey will be issued. It was noted that there was a low response rate. Participants are encouraged to respond to the following surveys.

It was noted that Peter Carruthers would be absent at the next PCF on 5 March 2020 and Graeme Windley will chair in his place.

**Meeting closed**

No.	Status	Topic	Action	Owner	Due By	Comment
17.3.1	Closed	Program Update	All participants to inform AEMO if a delay to L2-M14 – B2M via API Go Live would cause an impact to participant programs.	Participant	13/12/2019	Discussions determined that this functionality was not required and that a delay did not impact participants. – Closed at PCF#18
17.3.2	Closed	Program Update	AEMO to present potential delay to L2-M14 - B2M via API Go Live to the RWG and SWG	AEMO	16/12/2019	Completed at SWG#17, SWG #18 and will be communicated to RWG#8 - Closed at PCF#18
17.4.1	Closed	Systems Workstream Update	AEMO to consider whether the addition of the TNI2 field in MSATS will require a procedural change and provide conclusion to the PCF	AEMO	4/02/2020	This will require a procedural change. This will be communicated to the SWG and RWG. - Closed at PCF#18
17.4.2	Closed	Systems Workstream Update	AEMO to review the request for sample files for the XML schema changes to be made available to participants	AEMO	4/02/2020	Sample files will be made available. This will be communicated through the SWG. - Closed at PCF#18
17.5.1	Closed	Readiness Workstream Update	AEMO to circulate the output of the Contingency Planning Workshop to the RWG	AEMO	31/12/2019	Complete - circulate 20 December 2020 – Closed at PCF#18
17.7.1	Closed	Managing Emerging Procedures Issues	AEMO to consider creating a log that tracks all procedure and system changes across the program and making it available to stakeholders.	AEMO	4/02/2020	New log will be established and published on SMS website in February 2020 - Closed at PCF#18
17.9.1	Closed	Cost Recovery	AEMO to provide an update on the timelines for the next steps for the development of the cost recovery process for the SMS Program.	AEMO	4/02/2020	Update to be provided in next EF – Closed at PCF#18
17.11.1	Closed	Forward Meeting Plan	AEMO to consider the status of media in relation to SMS.	AEMO	31/12/2019	AEMO not engaging with Media at this time but will review interaction in Q3 2020 – Closed at PCF#18
18.4.1	Open	Milestones Realignment	AEMO to confirm that the date for milestone Industry Test prep complete by participants and AEMO – MDM & B2M Go-Live should be 22 October 2020	AEMO	7/02/2020	
18.4.2	Open	Milestones Realignment	AEMO to add the split of GS functionality across two Market Trials to the ITWG agenda	AEMO	19/02/2020	
18.4.3	Open	Milestones Realignment	AEMO to consider adding all Participant Testing to Level 1 milestones	AEMO	7/02/2020	
18.4.4	Open	Milestones Realignment	AEMO to update milestones based on initial PCF feedback and re-issue to PCF	AEMO	7/02/2020	



<b>18.4.5</b>	Open	Milestones Realignment	PCF members to review changes to 5MS milestones and provide feedback via 5MS mailbox	PCF members	14/02/2020
<b>18.4.6</b>	Open	Milestones Realignment	AEMO to confirm the alignment of the dates for the GS Market Trial in the milestone realignment exercise and the Industry Test Plan	AEMO	7/02/2020
<b>18.6.1</b>	Open	Readiness Workstream Update	AEMO to consider how the results of the 5MS solution certification will be presented to participants.	AEMO	5/03/2020
<b>18.10.1</b>	Open	Industry Risks and Issues Review	AEMO to review R06 and R09 and consider the risk ratings.	AEMO	14/02/2020