

5MS and GS – Meeting Notes

MEETING: PCF #13
 DATE: Thursday, 8 August 2019
 TIME: 10:00 AM – 1:00 PM
 LOCATION: AEMO Offices in Melbourne, Sydney, Brisbane, and by WebEx

ATTENDEE	ORGANISATION	OFFICE
Peter Carruthers	AEMO (Chair)	Melbourne
Sonja Nigmann	AEMO	Melbourne
Graeme Windley	AEMO	Melbourne
Greg Minney	AEMO	Melbourne
Monica Morona	AEMO	Melbourne
Tui Grant	AEMO	Melbourne
Robert Lo Giudice	IntelliHUB Pty Ltd	Melbourne
Malcolm Hempel	Tango Energy	Melbourne
Wayne Rau	Engie	Melbourne
Shaun Cole	Origin Energy	Melbourne
Justin Betlehem	AusNet Services	Melbourne
Chris Muffett	AEMO	Sydney
Emily Brodie	AEMO	Sydney
Hamish McNeish	AEMO	Sydney
Austin Tan	AEMO	Sydney
Blaine Miner	AEMO	Brisbane
Gerard Dunne	Stanwell Corporation	Brisbane
Elizabeth Byrne	Stanwell Corporation	Brisbane
David Woods	SA Power Networks	Adelaide
Bree Jeffreys	AEMO	Norwest
Cameron Bath	Energy Australia	Remote - WebEx
Corinna Woolford	Aurora Energy	Remote - WebEx
Divya Kapoor	Flow Power	Remote - WebEx
Georgina Snelling	Energy Australia	Remote - WebEx
Glen Thomsen	APA Group	Remote - Telephone
Greg Szot	CitiPower, Powercor & United Energy	Remote - Telephone
Ingrid Farah	Ergon Energy	Remote - Telephone
Jeff Roberts	Evoenergy	Remote - WebEx
Leanne Rees	TasNetworks	Remote - WebEx
Linda Brackenbury	Plus ES	Remote - WebEx
Mark Reid	Red Energy / Lumo Energy	Remote - WebEx
Martin Ralph	Hydro Tasmania	Remote - Telephone
Mike Stockley	AGL	Remote - Telephone
Naomi Donohue	APA Group	Remote - Telephone
Nicole Bright	Energex	Remote - Telephone
Owen Self	Stanwell Corporation	Remote - Telephone
Prabpreet Calais	AEMC	Remote - Telephone
Peter Van Loon	Powershop / Meridian Energy	Remote - Telephone
Terry Lodge	Energex	Remote - WebEx

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.

Preliminary Matters

1. Welcome, Introduction, Attendance and Apologies – P. Carruthers (slides 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.

Chris Muffett was thanked for his chairing of the PCF over the last 12 months and explained that Chris will be focusing on policy matters but will still be available to the 5MS Program in an advisory capacity.

Peter Carruthers introduced himself as the new Chair of the PCF, outlining his role as the Business Advocate to the 5MS & GS Program, with a key focus to represent participant and business interests of the project. The Chair also noted that Sonja Nigmann the Project Director would present the project update.

2. Minutes and Actions from Previous Meeting – P. Carruthers (slides 4-5)

PCF members confirmed the notes of Meeting 12, held on 4 July 2019.

The current status of actions is available in the table at the end of the notes.

3. Risks and Issues Register – S. Nigmann (slides 7-8)

AEMO presented the updates quarterly review of the 5MS Industry Risk & Issue Register. The full register is available on the 5MS website [here](#).

AEMO presented the updates to risks rated as “high” to the PCF, based on the discussion and feedback from PCF #12 discussions. A full summary of Risks and Issues has been provided in the Appendix.

Stanwell raised the discussion at the Executive Forum regarding Members concerns around the tight timeframes available for Program delivery, particularly in relation for system testing by participants. AEMO sought views and feedback from PCF members on this matter.

Origin noted that it raised the matter as a risk to the Executive Forum and it did not yet view this matter as an issue. Origin confirmed that risks to timeline have been identified and sought to fully consider and discuss openly with other businesses to share concerns but have not committed to submitting a rule change proposal to AEMC for extension. Origin is aware that AEMO will continue to work to existing timelines.

AEMO noted that R02 was broadly consistent with the issues raised by Origin and asked that PCF members consider if this should be updated to an issue or remain a risk.

Ergon confirmed it viewed this as a risk but noted that it believes vendors don't have products capable to deliver 5MS requirements and that the Risks and Issues Register does not address or provide appropriate mitigations, in the event that participants are unable to undertake full implementation to assist participants with 30-minute data reads following go live.

AEMO noted that there are two issues emerging from Members comments:

- 1) Vendor readiness (Participant's technology vendors) (addressed in R10)
- 2) Sufficient mitigation/contingency plans.

AEMO advised that as a result of discussion from the Reconciliation Support Workshop a program change request (CR19) was captured to enable 30-minute RM reports to continue post 5-minute commencement in order to mitigate the risk.

Energy Australia also noted their concerns regarding the lack of certainty in relation to engaging Vendors.

Stanwell sought clarification from AEMO as to its engagement with Vendor businesses. AEMO noted that it identified relevant Vendors with PCF Members in 2018, holding a Vendor information and update session in late-2018. AEMO clarified that the approach and requirement is to provide information for Vendors for education, rather than monitoring and assessing Vendor Readiness.

ACTION 13.3.1: AEMO to provide the aggregated list of Vendor's to PCF Members.

AEMO noted that the Interim Readiness Reporting included questions to participants in relation to Vendor Readiness. This matter was also discussed in the Executive Forum and AEMO would consider including Vendor's in the Readiness Reporting process. However, highlighting that participants were the customers of Vendors businesses, AEMO requested that participants provide information to AEMO regarding their Vendor's Readiness and capacity for managing the 5MS requirements.

ACTION 13.3.2: PCF Members are requested to advise AEMO of vendors they are dependent on, on a confidential basis, and any raise concerns on the state of vendor readiness.

Action 13.3.3 AEMO to assess the list of vendors and vendor readiness provided by industry participants, with the aim of identifying vendors that the overall 5MS Program is particularly dependent upon and any systemic readiness concerns. AEMO to develop mitigation recommendations accordingly. AEMO to survey and work proactively with vendors to provide additional information to mitigate risk.

Intellihub noted R02 and following discussions at the Executive Forum in relation to overall readiness risks and queried if this matter should be raised from a risk to an issue. Origin confirmed that the matter was raised at the Executive Forum in order to have an open discussion. Origin will consider the views of other participants prior to making a decision regarding submitting a rule change request to the AEMC.

Stanwell sought an update from AEMO in regard to I05 to I07. Following an update from AEMO it was agreed that this matter required an update and I06 and I07 should be looked at through the Readiness Working Group in order to progress these matters.

ACTION 13.3.4: AEMO to update Industry Risks & Issues Register I05 to I07.

Matters for Noting

4. Program Update – S. Nigmann (slides 10-13)

The 5MS Program update was presented through the 5MS & GS Program Timeline and Level 1 Milestones Status Report.

AEMO provided an update on L1-15 (Implementation Rule Amendments) advising that the AEMC is expected to release its final determination today on implementation amendments rule. There were no complications from consultation.

Stanwell sought clarification regarding the 5MS Rule Amendment Window (Technical Changes) highlighted in the program timeline. AEMO advised this was flagged as a

contingency should procedures changes be required following systems testing and implementation. AEMO confirmed that there are no expected changes at this time.

Action 13.4.1: AEMO to update the Industry Risks and Issues Register to ensure that potential Rule Amendments arising throughout testing and implementation are adequately outlined.

5. Systems Workstream Update – H. McNeish (slides 15-21)

The Systems Workstream update was provided. Key highlights include:

Metering –

- AEMO noted that dates in red have been confirmed and TBC dates are being discussed.
- The date for MDM File Format & Load Process has been amended to 30 September 2019. Technical documents have been separated from procedural consultation to mitigate risk of further delay on documents.

Dispatch and Operations –

- no changes related to RERT and TBC refers to changes for pre-dispatch.
- 5-minute pre-dispatch not yet agreed and remains TBC.

Participants queried why nine months had been provided for the release of the Full Data Model User Guide from the release of the Final Technical Specification. AEMO noted that this required review.

Action 13.5.1: AEMO to review dates of Full Data Model Technical Specifications and User Guide and confirm timeframes/dates for release of User Guide.

6. Readiness Workstream Update – G. Minney (slides 23-24)

The Readiness Workstream update was provided. The Workstream is currently focusing on the development of the Plans and Strategies, and Interim Reporting activities.

Participants inquired regarding the approach to engagement on the Metering Service Provider Accreditation Update Plan and what learnings can be applied from Power of Choice experiences. AEMO is looking to engage much earlier in the process for 5MS & GS and seeking to understand how AEMO intend to plan and schedule any updates required with participant businesses to provide an appropriate engagement model and joint plan.

AEMO also highlighted the establishment of the Transition Focus Group to deal with detail issues in regard to transition. The Terms of Reference and request for nominations were distributed Wednesday 7 August. Nominations close Wednesday 14 August with the first meeting scheduled for 30 August 2019.

7. Procedures Workstream Update – E. Brodie (slides 26-27)

Settlements are on track with one final paper, Credit Limit Report, to be published 16 August 2019.

Draft Metering Package 2 documents were published on Monday; AEMO has provided an additional two weeks (total 4 weeks) for submissions. As a result, the finalisation of the Procedures Final deadline given for the milestone, currently 30 September 2019, may not be met, as a result of industry given additional two weeks to respond. AEMO is endeavouring to be as close as possible to 30 September date.

Overdue marked dates refer to minor packages of procedures that AEMO is not obliged to consult on but have shared for comment.

The new date for Metering Package 3 will be discussed at the August PWG, with the intention to publish the draft by the end of August and the final by October. These dates will also apply to Dispatch packages.

AEMO noted that the next PWG will be the second to last meeting with Procedures work wrapping up from September/October.

8. Change Request Update – C. Muffett (slides 28-31)

CR04 pre-dispatch change request – AEMO held a discussion at the Dispatch Focus Group (DFG) recently. AEMO has finalised its approach has determined that pre-dispatch will be incorporated in the fast start inflexibility profile (FSIP) into 5MS pre-dispatch, but AEMO will not be making the platform change that was being requested, to extend the window of pre-dispatch and provide the full range of price sensitivities participants were requesting. At the DFG, AEMO took an action to consider the potential to include a subset of price sensitivities within the existing platform, in a way that does not impact on 5MS Pre-dispatch. AEMO is currently finalising this work internally, which will then allow for Systems Technical Specification dates to be finalised.

CR14, CR15 and CR16 relate to changes in Settlements – Enhancements to RERT, Mandatory Restrictions and Intervention Compensation Settlement have been agreed, with minimal impact to the program.

CR18, CR19, CR20 and CR21 – The four change requests are being considered from the Reconciliation Support Workshop and AEMO is in the process of scoping work in order to form a view as to which changes are able to be incorporated into the 5MS work.

9. Cost Recovery Consultation Update – P. Carruthers (slides 32-33)

AEMO outlined that cost recovery consultation would occur as a two-stage process approach as required under the NEM rules. First stage will consult on 5MS and GS as a declared NEM project. Consultation commenced 22 July 19, with submissions required by 27 August 19.

10. Executive Forum 6 Update – P. Carruthers (slide 34)

AEMO provided an update on the Executive Forum 6 held 7 August 2019.

The format of the Executive Forum encouraged and promoted two-way dialogue and it is proposed to run future Executive Forum meetings with the same approach.

AEMO provided an overview of the Forum discussion. Key points included:

- 5MS workload is significant and timeframes for delivery are short. There is a significant number of other reforms that will challenge resources and business capacity to deliver 5MS and that the potential for additional time for testing and implementation could be beneficial;
- However, some participants noted that delays to timeframes could increase costs, that programs had been stood up and perhaps the concerns raised could be managed as risks, and that a decision-making process that takes 6 months would create uncertainty.

Origin will consider feedback from Executive Forum participants and advise next steps.

Matters for Discussion

11. Industry Interim Readiness Reporting – E. Brodie (slides 37-50)

AEMO provided an update on the outcomes of the Interim Readiness Reporting, which is focused on the Program establishment activities undertaken by participants, rather than the detail of delivery and implementation activities, which will be the focus of the Readiness Reporting to start in February 2020.

AEMO noted that one of the key challenges to implementation was internal resourcing and while there may be limited actions available to the industry collectively to assist in this matter, this would be a good point of discussion for the next RWG meeting in late August to identify any potential solutions.

12. Transition Principles and Industry Testing Approach – G. Minney (slides 52-54)

AEMO outlined the approach to implementation, which will be based on a phased transition approach.

Ausnet sought clarification if the staged transition approach would be tracked and reported against for industry to have visibility. AEMO advised that once confirmed, which is expected for early 2020 with the delivery of the Strategy in late 2019; these milestones would then be “locked-in” and subject to change control.

Stanwell sought confirmation that the deliverables in the Microsoft Project file and the staged transition approach will align. AEMO noted that dates have not yet been confirmed and will ensure these are aligned in the MPP file.

AEMO noted that participants needed to be aware of the difference between transitional considerations and functional systems drops relating to industry testing. AEMO will ensure that communications and meeting materials are clear in outlining the differences between staging environment and the transition and go-live strategy.

ACTION 13.12.1: AEMO to include draft transition dates in the Microsoft Project file and ensure that all dates are aligned and following a logical sequence.

13. Industry Testing Phases – T. Grant (slides 55-62)

AEMO provided an outline of the Testing Phases to assist in consolidating the standard terminology and approach that will be followed by AEMO. The Testing Phases follow the standard approach developed by AEMO for testing new functionality.

Other business

14. General Questions – P. Carruthers (slide 63)

No questions raised.

15. Forward Meeting Plan – P. Carruthers (slide 64-66)

Attendees were thanked for their attendance and advised of future meetings for 2019. 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>.

The meeting closed at 12:50pm.

Item	Topic	Action required	Responsible	Status
PCF 13				
13.3.1	Industry Risks and Issues Register	AEMO to provide the aggregated list of Vendor's to PCF Members.	AEMO	
13.3.2	Industry Risks and Issues Register	PCF Members are requested to advise AEMO of vendors they are dependent on, on a confidential basis, and any raise concerns on the state of vendor readiness.	PCF Members	
13.3.3	Industry Risks and Issues Register	AEMO to assess the list of vendors and vendor readiness provided by industry participants, with the aim of identifying vendors that the overall 5MS Program is particularly dependent upon and any systemic readiness concerns. AEMO to develop mitigation recommendations accordingly. AEMO to survey and work proactively with vendors to provide additional information to mitigate risk.	AEMO	
13.3.4	Industry Risks and Issues Register	AEMO to update Industry Risks & Issues Register I05 to I07.	AEMO	
13.4.1	Program Update	AEMO to update the Industry Risks and Issues Register to ensure that potential Rule Amendments arising throughout testing and implementation are adequately outlined.	AEMO	
13.5.1	Systems Workstream Update	AEMO to review dates of Full Data Model Technical Specifications and User Guide and confirm timeframes/dates for release of User Guide.	AEMO	
13.12.1	Transition Principles and Industry Testing Approach	AEMO to include <u>draft</u> transition dates in the Microsoft Project file and ensure that all dates are aligned and following a logical sequence.	AEMO	

PCF 12				
12.3.1	Program update	AEMO to highlight areas within draft Technical Specifications that are at risk of changing as a result of Metering Package 2 consultation.	AEMO Hamish McNeish	Completed Ongoing review as technical specification developed.
12.3.2	Program update	AEMO to discuss with Stanwell to seek further information on including more detail in MPP files.	AEMO Graeme Windley	Completed
12.3.3	Program update	AEMO to include details of milestone descriptions as an appendix to PCF meeting packs.	AEMO Graeme Windley	Completed See Appendix 1
12.4.1	Systems Workstream update	AEMO to review staging milestones with “TBC” dates and confirm if these have been made firm.	AEMO Hamish McNeish	Ongoing Updated as dates confirmed.
12.4.2	Systems Workstream update	AEMO will confirm availability and support of the testing environments, including any shutdown periods over Christmas/New Years.	AEMO Graeme Windley	Ongoing Verbal update.
12.8.1	Industry Risks & Issues Review	AEMO to update the Industry Risks & Issues Register based on proposed changes and member feedback.	AEMO Graeme Windley	Completed Agenda Item 3
12.8.2	Industry Risks & Issues Review	PCF members to provide out-of-session comments and feedback on remaining risks (R12-13) and issues (I06-7) and any additional risks or issues.	PCF Members	Completed
12.9.1	Market Readiness Reporting	PCF members to provide feedback to AEMO regarding the interim readiness reporting questionnaire via 5ms@aemo.com.au by Thursday 11 July 2019.	PCF Members	Completed