

## 5MS Program Consultative Forum (PCF) Meeting Notes

**MEETING:** 4  
**DATE:** Thursday, 4 October 2018  
**TIME:** 10:00 AM – 1:00 PM  
**LOCATION:** AEMO Offices Melbourne, Sydney, Brisbane, Adelaide and Video/Teleconference

**ATTENDEES:**

ATTENDEE	ORGANISATION	OFFICE
Blaine Miner	AEMO	Brisbane
Glen Thomsen	APA Group	Brisbane
Robert Pane	Intergen	Brisbane
Ben Pryor	ERM Power	Melbourne
Chris Muffett	AEMO (Chair)	Melbourne
Chris Streets	AGL Energy	Melbourne
Daniel Hillier	Meridian Energy	Melbourne
Gary Butcher	Geomatic Technologies	Melbourne
Georgina Snelling	Energy Australia	Melbourne
Graeme Windley	AEMO	Melbourne
Jennifer Fikret	AEMO (Secretariat)	Melbourne
Panos Priftakis	Snowy Hydro	Melbourne
Paul Greenwood	Vector AMS	Melbourne
Peter Spittle	Jemena	Melbourne
Robert Lo Giudice	Acumen Metering	Melbourne
Shaun Cole	Origin Energy	Melbourne
Tony Bergmeier	Snowy Hydro	Melbourne
Austin Tan	AEMO	Sydney
Brad Lind	Tri Air	Sydney
Christine Lu	Infigen	Sydney
Darren Pace	Alinta Energy	Sydney
Emily Brodie	AEMO	Sydney
Gary Eisner	AEMO	Sydney
Aakash Sembey	Simply Energy	Telephone
Dino Ou for Matthew Parker	Endeavour Energy	Telephone
Gary Gupta	Flow Power	Telephone
Jeff Roberts	Evoenergy	Telephone
Leanne Rees	TasNetworks	Telephone
Linda Brackenbury	Plus ES	Telephone
Mark Maiolo	Hansen Technologies Ltd	Telephone
Paul Willacy	Aurora Energy	Telephone
Peter Van Loon	Powershop Australia	Telephone
Piera Lorenz	Telstra	Telephone
Prabpreet Calais	AEMC	Telephone
Rob Cahill	Ergon Energy	Telephone
Shane McCarthy	Hydro Tasmania	Telephone
Stephanie Lommi	Red & Lumo Energy	Telephone
Stephen Thompson	AusNet Services	Telephone
Trevor Lane	Powercor Australia	Telephone

## Preliminary Matters

1. Attendees were noted and welcomed to the Program Consultative Forum. Stanwell were noted as apologies.
2. The Program Consultative Forum confirmed the minutes of meeting number three held on 3 September 2018.

The actions from meeting three have been reviewed and updated (see list below).

## Matters for Noting

3. Program Update – G. Windley (Slides 4 to 5)

Procedures work is progressing well and on track.

Systems are commencing architecture, detailed requirements and design work.

The Global Settlements Rule change feedback is due by 25 Oct.

The Distributed Energy Resources (DER) register rule change has the potential to impact on solution design and resourcing over the next year. AEMO is assessing the impacts and integration with other programs.

**Action 4.3.1:** G. Windley to provide information for the next PCF regarding DER activities and their impact on 5MS.

AEMO is planning on their CTO (Joe Locandro) attending the next Executive Forum meeting.

**Action 4.3.2:** G. Windley to arrange.

Stakeholder one-on-one discussions are continuing, and attendees were encouraged to contact AEMO to arrange a meeting.

4. Industry Risks & Issues – G. Windley (Slides 6 to 8)

Industry Risk/Issue Register is available [here](#).

Previous requested updates to R01, R10 and issue I01 from the PCF Meeting 3 have been made.

R10 – Vendor contract negotiation timelines - risk needs to be monitored by stakeholders as although AEMO can assist by keeping the program schedule up to date to allow stakeholder-vendor discussions to anticipate needs, they are not able to manage this risk. AEMO intend to hold a vendor briefing session (targeting end of November, with date to be decided). There was benefit identified in having a collated list of vendors, with participants asked to supply vendor details; however, the onus will be on participants to notify vendors of the briefing session.

**Action 4.4.1:** G. Windley to included updated 5MS schedule in PCF pack.

**Action 4.4.2:** Participants to supply list of their vendors, and AEMO to circulate a list of vendors (no participants identified).

**Action 4.4.3:** AEMO to arrange a vendor briefing session.

The following changes to the register were also identified:

- R10 – expand to include informing vendors of key dates

- R06 – Mel Green Risk Champion has changed role and will not be involved with the PCF.

AEMO will continue provide regular updates on risks and issues at each PCF meeting.

##### 5. Procedures Work Stream – E. Brodie (Slides 9 – 13)

Procedures on track except for the metering package which has timing slip by one month due to additional pre-consultation through the Joint Metering and Systems Focus Group. A new timing for package one will be released next week.

A list of actions resulting from the Joint Metering and Systems Focus Group will be circulated today. There is also a debrief being performed with the next PWG next week.

Prudentials was discussed at the last PWG. Feedback has been received and AEMO will go into the formal consultation phase shortly.

The next PWG will discuss settlement procedures and dispatch (spot market). A debrief on the joint metering/systems focus group will also be given.

The Joint Metering and Systems Focus Group will reconvene on 12 November in Sydney to coincide with consultation on the first metering package.

A Dispatch and Systems Focus Group is planned to look at transitioning to 5-minute bidding and will be held on 22 October in Brisbane. A call for nominations be released this week.

**Action 4.5.1:** E. Brodie to distribute Meeting Pack to PWG, SWG and Dispatch focus group. Those who are unable to attend to provide comments back to AEMO prior to the meeting. AEMO will raise these contributions during the workshop.

Dispatch Market Suspension Pricing is out for consultation – submissions are due next Monday, 8 October.

**Action 4.5.2:** E. Brodie to check if consultation period can be extended and let G. Snelling know.

Global Settlement consultation closes 25 October, please send submissions to the AEMC.

##### 6. Systems Work Stream – H. McNeish (Slides 14 – 18)

Recent SWG discussed bidding and metering API interfaces and a planned focus group meeting. A sandbox environment is now proposed to support early testing. A staged release into the environment was requested. AEMO are looking at costing this into the program – currently being evaluated.

The forum members were advised software and system integrators are welcome to attend the SWG.

Forum members were advised that the next SWG has been moved to 30 October to accommodate the focus group meetings.

## Matters for Discussion

### 7. Fact Sheets – G. Eisner (Slides 19 – 21)

AEMO will be releasing fact sheets this month, with topics of “What is 5MS and GS.” These will form a basic level of knowledge for participants who are not engaging yet. There will also be a fact sheet on the outcomes of the one-on-one discussions.

AEMO plans for further sheets at a more detailed level on specific areas and role specific topics. The AEMC have provided some good information sheets on their website and these will be built on and referenced.

Industry role fact sheets could be used to assist vendors in the lead up to a training session, however G. Eisner noted they may not be ready in time (Q1 2019) so the AEMC sheets may need to be utilised. It was suggested participants could contribute to the information. AEMO will circulate the sheets to the PCF prior to publication.

### 8. Joint Metering and Systems Focus Group – E. Brodie (Slides 22 - 23)

The first JM&SFG meeting was productive and notes and actions have been distributed. A debrief of these will be supplied to the PWG. The group will reconvene on 12 November in Sydney after Metering Procedures Pack 1 is released for consultation.

The plan is to publish the first metering procedures pack for consultation prior to the next focus group meeting. AEMO have a list of metering issues and it was queried if AEMO will consult further on these issues. E. Brodie noted there will be two rounds of formal consultation.

### 9. Non-mandatory components in 5MS – C. Muffett (Slides 23 - 27)

AEMO recognise there are opportunities to address other items in the 5MS project which are long standing issues in the NEM. The market has been in effect for 20 years and AEMO is looking at changes to implement as part of 5MS that may improve the system. The initial list identifies six items:

1. Unifying meter data delivery.
2. Ability for AEMO to use Register-level data streams for settlement.
3. Non-energy data streams.
4. Overhauling the dispatch interface
5. Changes to the Energy Storage System
6. Decommissioning sample meters

Forum members expressed concern the 5MS project is becoming a “vessel” for other items and the focus needs to be on delivery of the project. AEMO are open to feedback from participants if they feel these items are unnecessary, however it was noted that some of the items have very small incremental impact. Forum members indicated that they would like more information about the program impact of the non-mandatory items.

**4.9.1 Action:** C. Muffett to provide further information and place non-mandatory items into the overall timeline to show the implications.

Global Settlement was also discussed as an additional piece of work in the program. AEMO outlined the benefit in supporting global settlement at the same time, but that there may be

risks with it commencing at the same time as 5MS. AEMO is providing feedback to the AEMC as part of the consultation process, and AEMO encourages forum members to also consider the impact and make submissions.

With respect to decommissioning sample meters, AEMO noted that this would involve engagement with jurisdictions on their metering requirements, and may not fit the procedure consultation model currently being used for 5MS.

**Action 4.9.2:** C. Muffett to further consider the approach to decommissioning of sample meters, and arrange a meeting if required.

### **Other Business**

10. General Questions – C. Muffett

Nil

11. Next meeting

The next Program Consultative Forum meeting is scheduled for Monday, 5 November at 10 am.

The meeting closed at 11.53am.

12. Update of Previous Action Points & New Actions Raised

Item	Topic	Action required	Responsible	By
<b>PCF 2</b>				
2.3.2	Potential Drafting Amendments	<p>Action on industry to consider all items and provide details to assist AEMO to make representation to the AEMC.</p> <p>AEMO to accommodate plan to include drafting amendments into procedures.</p> <p>4 Oct - Currently being progressed as part of the consultation on procedures. Action ongoing.</p>	Chris Muffett	ONGOING
<b>PCF 3</b>				
3.1.1	Program Update High Level status	<p>AEMO to consider items discussed in one-on-one meetings being published.</p> <p>4 Oct – To be published towards end October 2018.</p>	Gary Eisner	OUTSTANDING
3.9.1	Other Business	<p>Consider cancelling EF meeting and replace with email update. C. Muffett to discuss with P. Geers.</p> <p>4 Oct – EF was cancelled, and meeting pack distributed for information only.</p>	Chris Muffett	CLOSE
3.9.2	Other Business	<p>AEMO to discuss with AEMC their required level of engagement and report back to the next PCF.</p> <p>4 Oct – Senior Advisor Prabpreet Calais from AEMC is responsible for 5MS and Global Settlements - AEMO will keep him up to date. PCF members may contact him on 5MS policy matters at <a href="mailto:prabpreet.calais@aemc.gov.au">prabpreet.calais@aemc.gov.au</a></p>	Emily Brodie	CLOSE
<b>PCF 4</b>				

4.3.1	Program Update	Provide information to the next PCF Forum regarding DER activities and their impact on 5MS.	Graeme Windley	5 November
4.3.2	Program Update	AEMO CTO to attend next Executive Forum	Graeme Windley	13 November
4.4.1	Industry Risk and Issues	Updated 5MS schedule to be included in future PCF packs to assist vendor planning.	Graeme Windley	5 November
4.4.2	Industry Risks and Issues	Participants to supply list of their vendors to AEMO to be circulated anonymously.	PCF Members	5 November
4.4.3	Industry Risks and Issues	Arrange vendor briefing session	Chris Muffett	5 November
4.5.1	Procedures Work Stream	Distribute Dispatch and Systems Meeting Pack to a wider audience to supply feedback.	Emily Brodie	5 November
4.5.2	Procedures Work Stream	Check if Dispatch Market Suspension Pricing consultation period can be extended and let G. Snelling know.	Emily Brodie	5 November
4.9.1	Non-mandatory Changes	AEMO to provide further information and place non-mandatory items into the overall timeline to show the implications.	Chris Muffett	5 November
4.9.3	Non-mandatory Changes	Progress decommissioning of sample meters – being locked into 5-Minute Settlement timelines.	Chris Muffett	5 November