

5MS Procedures Working Group (PWG) Meeting Notes

MEETING: 7
 DATE: Thursday 14 February 2019
 TIME: 10:00 AM - 1:00 PM
 LOCATION: AEMO Offices Melbourne, Sydney, Brisbane, Adelaide and Video/Teleconference

Attendees:

Attendee	Organisation	
Georgina Snelling	Energy Australia	Melbourne
Mark Riley	AGL	Melbourne
Piera Lorenz	Telstra	Melbourne
Malcolm Hempel	Tango Energy	Melbourne
Graeme Windley	AEMO	Melbourne
David Ripper	AEMO	Melbourne
Sewwandi Charman	Origin	Sydney
Emily Brodie	AEMO	Sydney
Austin Tan	AEMO	Sydney
Blaine Miner	AEMO	Brisbane
Dimi Botha	AEMO	Brisbane
Michael Sanders	AEMO	Brisbane
Jane Hutson	Energy Queensland	Dial in
Anders Sangkuhl	Alinta Energy	Dial in
Haiden Jones	Powershop Australia	Dial in
Adrian Honey	TasNetworks	Dial in
Martin Ralph	Hydro Tasmania	Dial in
David Woods	SA Power Networks	Dial in
Carolyn Hope	Energex	WebEx
Dino Ou	Endeavour Energy	WebEx
Divya Kapoor	Flow Power	WebEx
Elizabeth Byrne	Stanwell Corporation	WebEx
Leo Aliakbari	Stanwell Corporation	WebEx
Ricky Brooks	Stanwell Corporation	WebEx
Jason Pereira	Landis & Gyr	WebEx
Linda Brackenbury	Plus ES	WebEx
Paul Greenwood	Vector Advanced Metering Services	WebEx
Prabpreet Calais	AEMC	WebEx
Sharleen Flanagan	ERM Power	WebEx
Sinisa Dodos	Energy Australia	WebEx
Wayne Turner	Ausgrid	WebEx
Jonathan Briggs	Metering Dynamics	WebEx

Mark Pilkington	Powercor	WebEx
Rebecca Malmur	AEMO	Dial in

1.0 WELCOME, INTRODUCTION and APOLOGIES – Emily Brodie (AEMO) – Slide 1 to 2

Attendees were welcomed to the seventh Procedures Working Group meeting.

2.0 TNSP NEGATIVE SETTLEMENTS RESIDUE PROCEDURE AMENDMENTS– Dimi Botha (AEMO) – Slide 3 to 7

AEMO presented the 5MS related changes to the NEM Transmission Network Service Provider (TNSP) Negative Settlements Residue Procedure, noting that the amendments are administrative with no requirement for Rules consultation.

Consultation is proposed to commence on 1 April 2019, and the final procedure and report is expected for publication on 14 June. AEMO proposed consulting on this procedure through direct engagement with TNSPs through email given that it is only relevant to TNSPs.

The PWG was invited to provide feedback on the proposed consultation approach.

Action 7.2.1: PWG to provide feedback on TNSP Negative Settlements Residue Procedure consultation approach.

3.0 MINUTES & ACTIONS FROM PREVIOUS MEETING – Emily Brodie (AEMO) – Slide 8 to 11

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

AEMO advised participants that a consolidated AEMO Retail meeting calendar is under development. This calendar will provide visibility of all 5MS meetings and key dates for other AEMO Retail forums. A consultation calendar is also being drawn together to show the consultation dates for Retail procedures over the next 6-12 months.

Action 7.3.1: AEMO to circulate meetings calendar and consultation calendar when available.

4.0 5MS PROGRAM UPDATE – Graeme Windley (AEMO) – Slide 12 to 16

AEMO presented a high-level transition plan for Dispatch and Bidding, Metering and Settlement systems. These included key milestones on procedure updates, the industry development schedule, AEMOs integration plan and the stakeholder engagement forums. AEMO noted that these plans have also been presented at Program Consultative Forum (PCF).

AEMO noted that the establishment of an industry readiness working group is under consideration to be brought forward from February 2020 to mid-2019. AEMO is currently working with the PCF to progress this matter.

Action 7.4.1: PWG to provide feedback on 5MS high-level transition plan

5.0 PROCEDURES WORKSTREAM UPDATE, INCLUDING FOCUS GROUP UPDATES

– Emily Brodie (AEMO) – Slide 17 to 24

AEMO reiterated that pre-consultation activities including PWG engagement and circulation of High-Level Impact Assessments are intended as early engagement between AEMO and the 5MS working groups. Commencement of the formal consultation occurs when the Notice of Consultation is published on AEMO's website. Formal submissions to the consultation are required for feedback to be considered in the draft and final determinations.

AEMO noted that a 5MS Webinar targeted to small generators will be organised over the coming weeks through the Clean Energy Council. More information will be provided over the next few days to relevant stakeholders.

AEMO reminded participants that a dedicated 5MS web location to access 5MS specific consultations has been launched. This website provides a summary of key dates and materials for each work package. The actions log is also now online to coordinate issues and actions coming out of the 5MS program.

AEMO reminded participants that submissions for the NEM Settlement Revisions Policy consultation will be due Friday 22 February 2019.

All 5MS consultations can be accessed at <https://www.aemo.com.au/Stakeholder-Consultation/Consultations>.

6.0 AUCTION PARTICIPATION AGREEMENT (APA) AMENDMENTS – Austin Tan (AEMO) – Slide 25 to 28

AEMO presented the 5MS related changes to the Auction Participation Agreement (APA), noting that the amendments do not impact the operations of Settlement Residue Auctions (SRA).

Consultation on this procedure will follow the Rules consultation process, and is proposed to commence on 22 March 2019. The final procedure and report are expected for publication on 5 August 2019.

The PWG was invited to provide feedback on the proposed consultation approach.

Action 7.6.1: PWG to provide feedback on Auction Participation Agreement consultation approach

7.0 PRUDENTIAL PROCEDURES AMENDMENTS – Austin Tan (AEMO) – Slide 29 to 30

AEMO noted that first round consultation on the NEM Settlement Estimates Policy has concluded. Second round consultation will commence on 19 February 2019.

Submissions to the reallocation procedures consultation (EDOR and SOOR) is now closed. AEMO will publish the final procedures and report in late February 2019.

Consultation on the Credit Limit Procedures (CLP) is scheduled to commence on 3 April 2019. Only one round of consultation is proposed given the administrative nature of the proposed amendments. The PWG is invited to provide feedback on this consultation approach.

Action 7.7.1: PWG to provide feedback on Credit Limits Procedure consultation approach

8.0 GLOBAL SETTLEMENT PROCEDURES AND GUIDES – Austin Tan (AEMO) – Slide 31 – 32

AEMO noted that the final Global Settlement rule introduces new obligations for AEMO to publish UFE information for reconciliation purposes, and also publish information on UFE trends to facilitate the reduction of UFE.

Both these new requirements will require new procedures or guides to be developed as required by the Rules. AEMO noted that the due date to develop these documents for UFE publication and UFE trends reporting are 1 July 2021 and 1 December 2022 respectively. AEMO is currently working to understand these requirements internally and will consult with the PWG and Focus Groups as relevant.

More information on the final rule and determination can be found at:

<https://www.aemc.gov.au/rule-changes/global-settlement-and-market-reconciliation>

9.0 METERING PACKAGE 1 UPDATE – David Ripper (AEMO) – Slide 33 to 39

AEMO received 15 submissions including two late submissions from Retailers, LNSPs, Metering Providers, Meter Data Providers and intending participants.

AEMO presented its analysis and conclusion on the three material issues, as identified below. More information is available in the meeting pack.

- The proposed profiling approach for 15 and 30-minute interval meters
- Changes to the delivery of meter data to AEMO
- Industry standard optical port performance and the volume of metering data stored in a metering installation

AEMO noted that there will be effective date mismatches for some procedures in Package 2 due to the commencement dates of 5MS and Global Settlement (1 July 2021 and 6 February 2022 respectively). After consulting with AEMO's legal team, the current approach is to publish two change-marked procedures where version one includes 5MS changes, and version 2 leverages the clean version 1 document to then include Global Settlement changes.

AEMO noted that Metering Package 3 does not include any Rules consultation documents, and is scheduled to be published for comment in April 2019.

A participant raised concerns regarding participant data provision requirements and AEMO publication requirements that come into effect concurrently on the commencement date. AEMO noted that this issue is currently being discussed internally and will advise of the PWG on the outcome.

A participant requested for a new call for nominations for the next Metering Focus Group given that this session may cover different content and require different expertise.

ACTION 7.9.1: AEMO to advise PWG on outcome of investigations relating to participant data provision requirements and AEMO publication requirements that come into effect concurrently on the commencement date.

ACTION 7.9.2: AEMO to circulate formal invitation for Metering Focus Group and consider a new call for nominations.

10.0 RECONCILIATION SUPPORT – Blaine Miner (AEMO) – Slide 40 to 41

AEMO highlighted that it has been considering the level of reconciliation support needed in a 5MS/Global Settlement environment, and is currently considering any opportunities that may exist in enhancing the current level of support being provided. A workshop hosted by AEMO for the industry focusing on reconciliation is currently under consideration.

ACTION 7.10.1: PWG to advise AEMO on level of interest in a reconciliation and profiling workshop, and also propose any relevant agenda items.

11.0 SPOT MARKET OPERATIONS TIMETABLE CONSULTATION – Michael Sanders – Slide 42 to 43

AEMO presented 5MS related amendments to the Spot Market Operations Timetable, noting that AEMO does not expect the consultation to be complicated because of the contents of the timetable are based on the content of the rules. AEMO noted that this package will be discussed at the Dispatch Focus Group on Friday 15 February 2019.

This consultation will follow the Rules consultation process and will commence in Q1 2019.

12.0 DISPATCH MISCELLANEOUS PACKAGE – Michael Sanders – Slide 44 to 45

AEMO highlighted amendments to the Dispatch Miscellaneous Package, noting that majority of the changes are administrative.

AEMO will share marked-up copies of these procedures with the PWG for comment.

ACTION 7.12.1: AEMO to share marked-up copies of the Dispatch Miscellaneous Package with the PWG for comment.

13.0 GENERAL QUESTIONS – Emily Brodie (AEMO) – Slide 46

Energy Australia agreed that AEMO's proposal to include Average Daily Load (ADL) values for each NMI in the NMI List reports that are sent to ROLRs. AEMO to assess technical feasibility to add ADL to NMI List reports and change NEM ROLR Procedures: Part A to specify inclusion of ADL in NMI List reports.

In response to a participant query, AEMO clarified that the concept of a local retailer will be retained for embedded networks.

A participant noted that their systems will be designed and developed according to requirements based on the finalised AEMO procedures. It was raised as a concern that any subsequent requirements and amendments from any future readiness work might result in industry wide system changes. AEMO advised that this is a recognised risk and is already captured in the industry risk register.

14.0 FORWARD MEETING PLAN – Emily Brodie (AEMO) – Slide 47 to 48

Attendees were thanked for their attendance and advised of future PWG meetings for 2019:

- Tuesday, 12 March 2019
- Friday, 12 April 2019

Procedures focus groups:

- Dispatch focus group – 15th February, face-to-face in Sydney
- Metering focus group – Q1 2019, TBC
- Settlements focus group – Q1 2019, TBC

Next Program Consultative Forum

- Friday 8 March 2019

Next Executive Forum

- Wednesday 20 February

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
PWG 2				
1.6.2	Packaging and Prioritising Procedures	Participants to provide AEMO with feedback on the prioritisation of procedures. Email feedback to 5ms@aemo.com.au	PWG members	COMPLETE
		No feedback received, assume packaging is suitable. At this stage not planning to alter proposed timing.		
		Ricky Brooks, Stanwell – reallocations package occurring late Q1 Q2 and parties may be entering into reallocation contracts. ACTION: PWG members to provide information to AEMO about the suitability of reallocation procedure package timing.	PWG members	COMPLETE
		ACTION: AEMO is still considering timing, to be finalised in December after the Settlements Focus Group.	AEMO	COMPLETE
		ACTION: Prudentials date on Draft Document to be amended for correct year	AEMO	COMPLETE
1.8.1	Metering Procedures	The metering focus group and the SWG are to investigate whether there are data volume delivery constraints because of 5MS or global settlements with the current delivery timeframes. PCF and PWG to be informed of progress. Under discussion and will inform PCF and PWG of developments.	David Ripper (AEMO) ONGOING	24/08/2018 Ongoing



Item	Topic	Action required	Responsible	By
PWG 3				
3.3.1	5MS Drafting Amendments	The PCF is seeking input from the PWG on the potential 5MS drafting amendments around a bidding data soft cutover, and other areas of the 5MS rule.	PWG members ONGOING	31/12/2018
Item	Topic	Action required	Responsible	By
PWG 4				
4.1.1	Transitional Arrangements	AEMO will communicate its high-level transition plan across metering, settlements and dispatch at the December PCF, PWG and SWG meetings	AEMO	COMPLETE
4.5.1	Metering Procedures	Local Retailers and Distributors to provide information about off-market unmetered loads.	PWG	COMPLETE
PWG 5				
5.3.1	Metering Procedures	AEMO to check whether there are any dependencies between the RM reports that have been identified for retirement the NMI Standing Data project.	AEMO	COMPLETE
5.6.1	DER Program	AEMO to update PWG on any possible impacts of the DER program to the 5MS program	AEMO	Ongoing
PWG 6				
6.5.1	Global Settlement procedures	AEMO to advise PWG on its approach to create the UFE Adjustment Procedure and UFE Reporting Guideline.	AEMO	COMPLETE
6.6.1	Reallocation procedures	PWG to provide feedback on AEMO's approach to only support 5-minute reallocations after 1 July 2021	PWG	COMPLETE



6.6.2	Non 5MS changes to reallocations	PWG to provide feedback on non-mandatory 5MS changes to reallocations	PWG	COMPLETE
6.6.3	Reallocation procedures	PWG to provide feedback on reallocations consultation approach, if a shortened consultation is preferred	PWG	COMPLETE
6.8.1	PWG format	PWG to provide feedback on the new webinar format	PWG	COMPLETE
6.8.2	PWG format	PWG to provide feedback on the preferred format of the PWG, and if participants value coming in to AEMO premises for the PWG	PWG	COMPLETE
6.8.3	5MS timelines	AEMO to contact Stanwell and Energex in relation to their need for more detailed 5MS program timelines.	AEMO	COMPLETE
6.8.4	Procedure updates	PWG provide feedback on the approach to consult on metering procedures affected by other initiatives outside of 5MS such as the DER program	PWG	COMPLETE
7.2.1	Settlement procedures	PWG to provide feedback on TNSP Negative Settlements Residue Procedure consultation approach	PWG	05/03/2019
7.3.1	Other	AEMO to circulate meetings calendar and consultation calendar when available	AEMO	28/02/2019
7.4.1	5MS Transition	PWG to provide feedback on 5MS high-level transition plan	PWG	05/03/2019
7.6.1	Settlement procedures	PWG to provide feedback on Auction Participation Agreement consultation approach	PWG	05/03/2019
7.7.1	Prudentials procedures	PWG to provide feedback on Credit Limits Procedure consultation approach	PWG	05/03/2019
7.9.1	Other	AEMO to advise PWG on outcome of investigations relating to participant data provision requirements and AEMO publication requirements that come into effect concurrently on the commencement date.	AEMO	12/03/2019
7.9.2	Metering Focus Group	AEMO to circulate formal invitation for Metering Focus Group and consider a new call for nominations.	AEMO	12/03/2019
7.10.1	Other	PWG to advise AEMO on level of interest in a reconciliation and profiling workshop, and also propose any relevant agenda items.	PWG	05/03/2019



7.12.1	Dispatch procedures	AEMO to share marked-up copies of the Dispatch Miscellaneous Package with the PWG for comment.	PWG	12/03/2019
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