

## 5MS & GS Systems Working Group (SWG) meeting notes

Meeting SWG #20  
Date Monday, 16 March 2020  
Time 10:00 – 13:00  
Location Webex

### Attendees

Attendee	Organisation	Location
Alex Alexander	AEMO	WebEx
Anne-Marie McCague	AEMO	Melbourne
Blaine Miner	AEMO	WebEx
Claire Morgan	AEMO	WebEx
Graeme Windley	AEMO	Melbourne
Greg Minney	AEMO	Melbourne
Jim Agelopoulos	AEMO	Melbourne
Paul Lyttle	AEMO	Melbourne
Ian Devaney	AEMO	Sydney
Pierre Fromager	AEMO	WebEx
Sangeeta Pai	AEMO	WebEx
Simon Tu	AEMO	WebEx
Tui Grant	AEMO	WebEx
Joseph Giddings	Energy One	WebEx
Marian Vasjuta	Origin Energy	WebEx
Sandra Ho	Snowy	WebEx

Tim Bellette	Stanwell	WebEx
Adrian Honey	Tasmanian Networks	WebEx
Alex Polonetskiy	Ausgrid	WebEx
Andrei Tchoub	Alinta	WebEx
Andrew Lenga	Engie	WebEx
Andrew Steer	Gen Track	WebEx
Annett Reitmann	AGL	WebEx
Arif Syarifuddin	Powercor	WebEx
Audrey Follett	Snowhydro	WebEx
Brendan Twiddy	Origin Energy	WebEx
Dino Ou	Endeavour Energy	WebEx
Drew Pass	Engie	WebEx
Dun Hoang	Ausnet	WebEx
Elizabeth Byrne	Stanwell	WebEx
Greg Fawcett	Engie	WebEx
Greg McLeod	Origin Energy	WebEx
Ingrid Farrah	Ergon	WebEx
Khang Nguyen	Actewagl	WebEx
Linda Brackenbury	Plus ES	WebEx
Manoj Parameswaran	-	WebEx
Mirella Jaric	Origin Energy	WebEx
Natasha Rajdev	Alinta Energy	WebEx
Nick Gustafsson	Red Energy	WebEx
Nicole Bright	Energy Queensland	WebEx
Phil Torrent	Tango Energy	WebEx
Rob Novella	Ausnet	WebEx
Soham Roy Chaudhuri	Alinta Energy	WebEx

Trent Smith	Brave Energy	WebEx
Victor Sanchez	Infigen	WebEx
Wilmund Foong	United Energy	WebEx

## Preliminary Matters

### 1. **Welcome** – G. Windley

Attendees were welcomed to the #20 Systems Working Group (SWG) and it was noted that the meeting was being recorded for the purposes of note taking. It was requested for participants on Webex or phone to message or email [5ms@aemo.com.au](mailto:5ms@aemo.com.au) for inclusion on the list of attendees.

### 2. **Meeting notes and actions** – G. Windley / A. McCague / J. Agelopoulos (slides 3 - 4)

The meeting notes for the previous SWG held on 17 February 2020 were confirmed. The actions from meeting #19 have been reviewed and updated. Please refer to the meeting pack and list below for more details.

### 3. **5MS Program Timeline** – G. Windley (slides 5 - 6)

AEMO provided a program and milestone update and overview. It was noted that overall the program is tracking green and L2-S8 Industry Test start for Reallocations complete with the deployment of the reallocations functionality into pre-PROD 26 Feb 2020.

AEMO highlighted that the realignment of key milestones post-Readiness work had been approved.

AEMO confirmed that there are ongoing discussions with the Customer Switching team to understand timelines and dependencies.

The Settlements & Billing Tech Spec was re-released to the SWG on 14 February 2020 and was available on the AEMO website.

Internal Retail, Dispatch and Settlements workstreams on track to meet 30 June 2020 development completion milestone, however AEMO is likely to prioritise defect fixing for the Retail 30-min like-for-like go live in December 2020 ahead of 5-min functionality not required until 1 July 2021.

It was noted that as part of the Industry Readiness Contingency plan the definition of critical mass is being considered.

An update was provided for L2-M14 – B2M via API Go-Live, which is now expected to be re-baselined to be 7 December 2020 from 17 March 2020.

An update was provided for L2-D13 - Final technical specifications for Package 5 (effectively the Settlements tables in the data model) to be published by AEMO, now published 16 March 2020.

#### **4. Reallocations Deployment – A. Alexander (slides 8 - 10)**

AEMO provided an update on the Reallocations deployment. AEMO highlighted that the Reallocations Go-Live for 1 Apr 2020 is on track.

AEMO confirmed that Pre-Prod cutover commenced on 26 Feb 2020 and was completed on 28 Feb 2020 due to PVT delays.

#### **5. Staging Environment – T. Grant (slides 11 - 14)**

AEMO provided an update on the 5MS Staging Environment, including participant activity in the current drops and the status of future drops. AEMO confirmed Settlements Package 3 is due to be deployed in the 5MS Staging Environment on 16 March 2020.

#### **6. Industry Testing Working Group Update – G. Windley (slides 15 - 16)**

AEMO provided an update on the Industry Testing Working Group, highlighting:

- The ITWG had discussed bringing the GS market test date forward.
- There was a request to provide more detail on the scope of the planned releases than what was available in the test strategy.
- Walk through of the schema changes and discussion on if/when this would be tested with the market and under which program.
- Discussion on performance testing to be performed by AEMO for e-hub.

**7. Readiness Working Group Update – G. Minney (slides 17 - 20)**

AEMO provided an update on the Readiness. AEMO confirmed that the 2<sup>nd</sup> draft Industry Readiness Contingency plan had been released on 6 March 2020 with comments sought from participants, particularly in relation to critical participant definition.

AEMO confirmed that 26 responses (representing 55 participants) had been submitted for the Industry Readiness Survey #1. Participants responded on behalf of all their organisation's roles (e.g. retailer and generator) and there was coverage across all market segments, ensuring a representative sample of industry progress.

The overall response from participants indicated that the majority are on track, with some participants reporting activities at risk and funding yet to be confirmed. AEMO indicated they would be following up with some participants who had not submitted readiness surveys or whose responses did not match the expected criteria.

**8. Procedures Update – S. Tu (slides 21 - 23)**

AEMO provided a procedures update. AEMO confirmed that the Electricity Retail Consultative Forum was due to discuss the RWD, N flag, Impact of theft on UFE and Update on MSATS standing data review. The B2B Working Group will consider draft responses to release v3.4 of B2B procedures consultation: MDFF file size 10MB, MDFF 1,000 transaction limit in file and non-contestable unmetered loads – use of existing B2B transactions for this family of NMIs.

AEMO reviewed the 5MS/GS-related procedure change log, highlighting the new obligation for MC to provide updated or substitution data in the cases of theft or fraud.

**9. Next meeting – G. Windley / AM. McCague (slides 24 - 27)**

AEMO noted that the next SWG #21 meeting is scheduled to be held on 22 April 2020 and the SWG #22 is scheduled to be held on 20 May 2020.

**10. Retail stream update – J. Agelopoulos (slides 28 - 29)**

AEMO provided a Retail Stream update. AEMO highlighted that Pre-Production date(s) aligned with “L2-M12 Industry test preparation completed by AEMO for MDM and B2M Go-Live” milestone tracked via Readiness Stream and Production date(s) aligned with “L1-19 AEMO Metering Solution - Go-Live” milestone tracked via Readiness Stream.

## **11. Impact of MSATS Standing Data Review (MSDR) impact on 5MS & GS – P. Lyttle (slides 30 - 31)**

AEMO provided an update on the impact of the MSATs standing data review on the program. AEMO confirmed that it plans to update the Participant Roles for Global Settlements. AEMO intends to Bulk update the MSATS system, and expect all participants to update their own systems, and AEMO will provide a Reconciliation report for role changes to the FRMPs only. The decision to only provide reconciliation to FRMP's was these would be the parties responsible for paying the settlement invoices.

An option proposed was to send a reconciliation of NMI's not changed. AEMO confirmed that this is possible, however that there would need to be consensus and that it NMIs would need to be changed or not changed. A mix was not possible.

AEMO confirmed that submissions from participants can be investigated however they would need to identify the business impacts not having a reconciliation has on the business, noting that they still have to update their systems.

A participant questioned whether an embedded network would change. AEMO confirmed there are no Role changes to embedded network child NMIs.

## **12. Rejection of Metering data sent by MDP not in the MDP role – S. Tu (slides 31 - 34)**

AEMO highlighted that it planned to reject MTRD MeteringDataNotifications where the transaction is sent by a participant not in the MDP role.

AEMO would also reject MTRD MeteringDataNotifications where the transaction is sent by a participant not in the MDP role in line with the Metering Data Provider Service Level Procedure (see Appendix 1). MTRD TACK rejected with the error "1087 The MDP Relationship is not valid for this read date."

RM11 Missing Data report highlights to MDPs what data needs to be resent.

MDP resends MTRD MeteringDataNotifications to AEMO and all other responsible Participants once the CR1500 completes.

AEMO will accept MTRDs for B2M NEM settlements. To do so AEMO has defined new validation rules for the ingestion of B2M MTRDs which are specific to NEM settlements.

AEMO has previously proposed accepting MTRD where the CATS NMI Participant Relationship (CNPR) MDP role cannot be established for the initiating Participant. The scenario is specific to meter churn (basic to interval, manually read to interval): In a Meter

Exchange Scenario, for example an existing type 6 > A contestable meter as a part of Power of Choice, the MDP will not be active in the role until the Actual Change Date has been submitted via a 1500 and the 6800 has been completed.

While most MDPs send metering data when they in the CNPR MDP role, as per the procedures, some MDPs however start reading and sending data to the market as soon as the meter has been commissioned.

AEMO has identified in its MDM build technical challenges in accepting reads prior to the establishment of the CNPR MDP role, as the issues impact the transparency of Market Reconciliations AEMO will not support this Meter Exchange Scenario.

A participant stated that it believed that retailers reject a MTRD transaction with the same NMI, NMISuffix, IntervalDate, and UpdateDateTime as a previously send read. This would impact AEMO's suggested approach; that the MDP must resends MTRD MeteringDataNotifications to AEMO and all other responsible Participants once the CR1500 completes.

**Action 20.12.1 - AEMO to work with Arif Syarifuddin, Powercor to confirm the rejections of duplicates and which retailer are doing so.**

**Action 20.12.2 - AEMO to circulate note on the Rejection of Metering data sent by MDP not in the MDP role. AEMO will present this item to the Transition Focus Group (TFG meeting #6) on 6 Apr 2020 and the following Readiness Working Group (RWG meeting #10) on 14 Apr 2020 to seek the input of these groups. A dedicated follow-up session to be scheduled after this item has been presented to the TFG and RWG.**

### **13. MTRD ParticipantRole Element – S. Tu (slides 35 - 36)**

AEMO confirmed that value of 'NEMM' should be used for the ParticipantRole element for a MTRD MeterDataNotification

**14. Participant Id update for GS – P. Lyttle (slides 37 - 41)**

AEMO provided an updated on the intended approach AEMO plans to take to update the Participant Roles for Global Settlements.

In summary, the approach is:

- AEMO intends to Bulk update the MSATS system,
- Expect all participants to update their own systems,
- AEMO will provide a Reconciliation report for role changes to the FRMPs only. This decision was taken as FRMP are the parties responsible for paying the settlement invoices.

A participant proposed that a reconciliation of NMIs not changed could be sent. AEMO stated that it would be comfortable to consider other approaches but would need consensus.

AEMO is open to investigate submissions from participants but they would need to identify the business impacts of not having reconciliation file has on the business, noting that businesses still need to update their systems.

**15. Dispatch stream update – Ian Devaney (slide 33 - 34)**

AEMO provided an update on the dispatch stream.

**16. Settlements stream update – M. Hillaby (slides 35 - 36)**

AEMO provided an update on the Settlements stream. Reallocations Go Live was confirmed to be on track for the 1 Apr 2020.

AEMO confirmed that Settlements and Billing are in the Staging environment and available for testing. Prudential's and Estimation will be in staging in May

A Participant questioned why the production dates for Package 2 and 3 were May 2021 and not April 2021. This was subsequently corrected to be April 2021.



## 17. 5MS inbox feedback – P. Fromager (46 - 48)

AEMO provided an update:

### Reallocations

- The Reallocations regional calendar was offered in Staging but not in Pre-prod. For integration with Settlements, the Settlements changes need to be in place as well for the calendar to be used.
- There was confusion about whitelisting – it is only required in Staging, not Pre-prod or Prod.

### Dispatch

- Remember that the late rebidding period is changing from 15-min before a 30-min trading interval to 30-min before a 5-min trading interval.

A participant asked from which data model table tables the test data will come from and by when. AEMO confirmed a list of tables in the Data Model is being drafted which will impact the 5MS/GS.

### **Action 20.17.1 – AEMO to provide a list of affected tables in the data model.**

AEMO noted that changes to the AEMO public website, including visualisation of data are in planning phase.

AEMO noted changes to data delivery (NEM reports – via the public website) will follow the Data Model changes.

## 18. Data Model updates for Dispatch & Settlements – S. Pai (slides 49 - 53)

AEMO provided an updated on the data model for Bidding, Dispatch and Settlements.

## 19. Data Model Delivery Timing – I. Devaney (slide 54 - 57)

AEMO confirmed the following release dates:

- Version v5.0.0.1 would be released on 16 Mar 2020.



- Version 4.30 will Go-Live with Reallocations on 1 of Apr 2020.
- Version 5.0 will be released into Pre-Production November 2020, for Bidding and Dispatch.
- Version 5.0.0.1 is the most recent version released into Staging, this release contains Billing\_Run and Settlements\_Data.

## **20. Other Business** (slide 58)

AEMO confirmed that the presence of Covid-19 would might have an impact on the progress of the program.

## **21. Meeting Close**

Meeting closed.

## Actions Log

Item	Status	Topic	Action	Owner	Due By	Comment
20.12.1	Open	Metering	AEMO to work with Arif Syarifuddin, Powercor to confirm the rejections of duplicates and which retailers are doing so.	AEMO	22/04/2020	
20.12.2	Open	Metering	AEMO to circulate note on the Rejection of Metering data sent by MDP not in the MDP role. AEMO will present this item to the Transition Focus Group (TFG meeting #6) on 6 April 2020 and the following Readiness Working Group (RWG meeting #10) on 14 of April 2020 to seek the input of these groups. A dedicated follow-up session to be scheduled after this item has been presented to the TFG and RWG.	AEMO	22/04/2020	
20.17.1	Open	Dispatch	AEMO to provide a list of affected tables in the data model.	AEMO	22/04/2020	
19.4.1	Closed	Staging Environment	AEMO to confirm how the UFE artificial data will be created at the next SWG.	AEMO	16/03/2020	Update to be provided at the SWG#20. <ul style="list-style-type: none"> <li>UFE data for 5-minute and transition weeks will be artificially generated via a random generator.</li> </ul>
19.7.1	Closed	Procedures Update	AEMO to confirm the RWD proposal focus at the next SWG.	AEMO	16/03/2020	Update to be provided at the SWG#20.
19.9.1	Closed	Retail stream update	AEMO to report back at the next SWG meeting whether the MSATS Standing Data Review program will impact the 5MS program.	AEMO	16/03/2020	Update to be provided at the SWG#20.
19.12.1	Open	Dispatch	Participants that will use the web screens to start using them in the 5MS Staging Environment to	Partici pants	16/03/2020	Update to be provided at the SWG#21.

Item	Status	Topic	Action	Owner	Due By	Comment
			provide AEMO insight on how they will respond in the pre-production environment.			

## Appendix 1: MDP Service Level Procedures related to the rejection of Metering data sent by a participant not in the MDP role

### MDP Service Level Procedure, 3.12.1. Validated Metering Data to be Delivered

Each MDP must ensure only Validated metering data is delivered to AEMO, New MDPs, Registered Participants and ENMs.

### MDP Service Level Procedure, 3.12.2. Delivery Timing Requirements Subject to any agreement to the contrary as contemplated by section 8.1, each MDP must:

- (a) deliver to AEMO, the New MDP when there has been a Meter Churn, and Registered Participants all Actual Meter Readings that passed Validation within two business days of the Actual Meter Readings being received into the metering data services database;
- (b) Substitute, Validate and deliver to AEMO, the New MDP when there has been a Meter Churn, and Registered Participants the substituted metering data within two business days of the Actual Meter Readings being received into the metering data services database and failing Validation;
- (c) Substitute, Validate and deliver to AEMO, the New MDP when there has been a Meter Churn, and Registered Participants the substituted metering data within two business days of the receipt of any fault reason codes associated with a reading failure or failed interrogation event, into the metering data services database;

### MDP Service Level Procedure, 5.1. Meter Churn Scenarios, Scenario 4:

- (c) Where the MDP is changing as a result of the Meter Churn:
  - (i) the Current MDP must provide substituted metering data in accordance with Metrology Procedure: Part B with a quality flag of 'S' and a reason code of 37 (meter under churn) in the MDFF until the New MDP becomes the MDP in MSATS; and
  - (ii) the New MDP, when it becomes the Current MDP, must provide Actual Meter Readings for the period of Substitution in paragraph (c)(i).

### MDP Service Level Procedure, 3.1. System Requirements

assignment and version control of Roles for connection points and the ongoing synchronisation with MSATS;