

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

Meeting	SWG #17
Date	Monday, 16 December 2019
Time	10:00 – 13:00
Location	AEMO offices Melbourne, Brisbane, Sydney, Adelaide, Norwest and by Webex

### Preliminary Matters

#### 1. Welcome – S. Wainrit

Attendees were welcomed to Systems Working Group #17 (SWG). Introductions and confirmation of attendees.

#### 2. Meeting notes and actions – S. Wainrit (slides 3)

Actions and updates are included in the table at the end of the meeting notes.

#### 3. 5MS/GS Procedure Update – E. Brodie (slides 4 - 6)

AEMO provided an update on the 5MS/GS procedures, highlighting that

- Metering Package 3 was released on the 18 November 2019.
- The ERCF currently meet quarterly and that this will change to every two months in 2020.
- The B2B meets monthly and last met on 29 November 2019.

AEMO highlighted the following procedural issues and their status:

- Proposed Procedural Change to MDFF Quality flag: AEMO is preparing an ICF for ERCF consideration
- Proposal for RWD5: ICF considered at ERCF (21 Nov), to be progressed in 2020 with consideration of 5MS/GS metering transition activities
- Sampling and verification processes: ICF submitted with accidental reference to 5MS but is unrelated to 5MS
- Removal of end user details from inventory table: ICF considered at ERCF (21 Nov), to be progressed in 2020 with consideration of 5MS/GS metering transition activities
- TNI 2 for cross-boundary meters SWG has been briefed on requirements: Procedure change not required, but procedure clarification desirable. AEMO is preparing an ICF for ERCF consideration, with a view to including in Standing data review consultation (Feb to June 2020)

#### 4. Milestones update – S. Wainrit (7- 8)

AEMO highlighted that the Level 1 and 2 Milestones Timeline is current as at 6 December 2019.

AEMO highlighted that the Tech Spec for Package 2 was released on 15 December 2019 and that the Tech Spec for Package 3 was due for release on 31 January 2020.

## 5. Retail stream update – J. Agelopoulos (slides 9 - 12)

AEMO provided update on the retail stream, highlighting that the B2M via API was due to go to Pre-Prod on 17 February 2020 and production on 17 March 2020.

AEMO highlighted with regard to L2-M14, B2M via API Go-Live was on target for release on 17 March 2020 they had experienced delays establishing the MarketNet link to AEMOs new API Gateway in conjunction with the legacy SMP e-Hub API Gateway. The 17 of March remains an achievable target however they highlighted that this is currently at risk.

AEMO requested participants impacted by a delay to this date contact the 5MS program via the mailbox to set up a discussion.

**Action 17.5.1 – Participants impacted by the potential L2-M14, B2M via API Go- Live to email the 5MS program via the 5MS inbox in order for AEMO to set up a discussion.**

## 6. aseXML schema update – S. Tu (slides 13 - 16)

AEMO confirmed that changes related to the aseXML schema updates for 5MS are being investigated by our technical team.

AEMO highlighted Refresher on changes:

- RM Reports
  - Addition of new report types
  - Updating the “Last Sequence Number” field to Optional
  - Addition of a X of Y messages
- NMI Data
  - Second TNI for Cross Boundary NMIs (AEMO update only)
  - Multi Use NMI details (i.e. Vic TUoS, System Load, etc.) \*

AEMO highlighted that to minimise impact on Participants, 5MS intends to implement the changes in conjunction with the Customer Switching changes.

- Customer Switching are currently investigating technical changes to enable a delay to the schema change go live date.
- Scheduled aseXML schema release is expected to move to Q4 2020

AEMO noted the aseXML schema schedule of dates, highlighting that the ASWG review, consult and approve new schema was due in February to April 2020.

## 7. Dispatch stream update – I. Devaney (slides 17 - 19)

AEMO provided update on Dispatch and Operations, highlighting that the Bidding Web UI and APIs User Guides are due for release on 16 December 2019.

AEMO provided an overview of the Level 2 Milestones for Dispatch.

## 8. Dispatch Bidding data model & MNSP bid changes – T. Butterworth (20 - 23)

AEMO provided update on the Dispatch Bidding data model and MNSP bid changes, highlighting that

- The offer date for MNSP bids (**MNSP\_DayOffer.OfferDate**) is changing from just storing the date to include the time as well.
- This already happens for other bid types such as 'Energy' and 'FCAS'.
- One known impact is that the bid version number which determined the latest version of the bid to use within a day, now only determines the latest version within a second. I.e. if two bids are presented within one second.

AEMO requested (Dispatch) feedback from Participants regarding the following:

1. AEMO propose that bid submissions no longer make the reference field ("**referenceid**") a mandatory field. Participants may use this for their reference but should not be forced to enter dummy data.
2. The 5MS rule change (3.13.4 (I1)) requires AEMO to publish "In addition to the spot price, a 30-minute price for a regional reference node".
  - It does not mention the 'ancillary service price' in this instance. AEMO is seeking confirmation that this is not necessary.
3. Submissions will be limited ('throttled') to one per second, to ensure primary key integrity (currently only unique to the nearest second).
  - For Oracle databases, the bidding OfferDate field uses the 'Date' data type. Changing this to a 'Timestamp' datatype would alleviate the restriction (although 'throttling' would still be in place to prevent 'flooding').

**Action 17.8.1 – Participants to provide feedback via the 5MS inbox on making the reference field a mandatory ID, re 5MS rule change (3.13.4 (I1)) does not mention 'ancillary service price' and whether this is not necessary, and submissions being limited to one per second.**

AEMO provided a Technical Specification update on

- The PeriodID is dropped from tables 'DispatchLoad' and 'DispatchRegionSum' (No change to RegionAPCIntervals)
- There is an inconsistency in the 5MS Bidding JSON schema in the Tech Spec version 1.0:
  - The fields RampRateUp and RampRateDown are used in sections 12.3 (Energy bids) and RampUpRate is used in section 12.5 (MNSP bids).
  - The correct names are RampUpRate and RampDownRate as is correctly declared in 12.7 (Bidding Schema)

## 9. Settlements Stream Update – M. Hillaby (slides 25 - 26)

AEMO provided an update on the Settlements Stream, noting that there are no changes to the Settlements deliverables table.

## 10. Settlements Updates – P. Fromager (27 – 29)

AEMO provided an update on Settlements, confirming the answers to a couple of regular questions received via the 5MS inbox –

- Reallocation calendars: only the NEM region calendar is provided – No SFE or other external calendars (at this stage).
  - These were imported into the Staging environment for testing purposes (they have now been removed).
- Newly renamed 'Metering Estimation' (previously known as 'Settlement Estimation') was mentioned in the 'Prudential & Estimation' tech spec. There are NO material changes to estimation so it is not included in the tech spec: changes are in the code base to handle 5min data and the database platform - none affecting Participant interfaces.

AEMO confirmed the retention period (in Settlements Direct) will be gradually extended to three years for the following publication categories:

- NEM Statements & Correspondence
- QldGas Statements & Correspondence
- SRA Statements & Correspondence
- STTM Statements & Correspondence
- VicGas Statements & Correspondence

Older files will not be back-populated so a gradual build-up of publication retention will take approximately 30 months to provide the full three-year retention.

## 11. Readiness Working Group Update – E. Brodie (30 - 34)

AEMO provided an update on the Readiness Working Group.

AEMO highlighted key dates the readiness timeline:

- Industry test and market trial strategy final paper due on 29 November 2019.
- B2M API – Test plan comments due 13 January 2020.
- Transition and go-live strategy final paper was released on 29 November 2019.
- Metering transition plan comments due on 19 December 2019.
- Industry contingency plan comments due 31 January 2020.
- Industry readiness reporting plan final report was released on 13 December 2019.
- MSP accreditation update plan comments due on 31 January 2020.

AEMO also provided an update on the Contingency Planning workshop, Readiness Reporting, MSP Accreditation update plan and the Industry Focus Group.

AEMO highlighted release milestones, rule commencements and metering transition activity on the Program Timeline.

Participants questioned in relation to the Tier 1 basic metering data delivery and the Ongoing Tier 1 basic metering data delivery. What's the difference between the two? AEMO confirmed that it would come back to Participants with the answer.

**Action 17.11.1 – AEMO to come back to Participants on the difference between the Tier 1 basic metering data delivery and the Ongoing Tier 1 basic metering data delivery.**

AEMO highlighted the Industry Readiness surveys would go out in February 2020.

**12. 5MS Staging Environment – S. Wainrit (slides 35 - 37)**

AEMO provided update on the Staging Environment, highlighting the status of

- Reallocations has been available to Participants in this environment since the 1 of November.
- Dispatch Bids & Offers and Retail Metering MDFF have been available to Participants since 29 November and 02 December respectively.
- Support calls regarding this environment to date have been in relation to access from Participants' sites (which has required Participants IT departments to white list the site), user password resetting and requests for FTP and API access.

AEMO highlighted that informal 5MS Staging Environment support calls were being held weekly. The next Staging Environment support call is due to be held on Tuesday 17 December 2019.

**13. Staging Environment Discussion – S. Wainrit (slides 38 - 39)**

AEMO opened a discussion on the Staging Environment. Participants were asked if they were using the 5MS Staging Environment and if not, when and if they intended to use it. A number of participants noted that they were not yet at the point in their programs where they are ready to use the Staging Environment but they did intend to use it in the new year.

**Other Business**

**14. Forward Meeting Plan – S. Wainrit / A. McCague (slides 40 - 42)**

AEMO highlighted that the next SWG meetings are scheduled to be held on Tuesday 21 January 2020 and Monday 17 February 2020.

AEMO provided an overview of the 5MS upcoming meetings for December 2019 to March 2020.

Item	Topic	Action required	Responsible	Status
<b>SWG 17</b>				
17.5.1	Retail Stream Update	Participants impacted by the potential L2-M14, B2M via API Go- Live to email the 5MS program via the 5MS inbox in order for AEMO to set up a discussion.	Participants	Closed – no significant impacts identified.
17.8.1	Dispatch feedback	Participants to provide feedback via the 5MS inbox on making the reference field a mandatory ID, re 5MS rule change (3.13.4 (1)) does not mention 'ancillary service price' and whether this is not necessary, and submissions being limited to one per second.	Participants	
17.11.1	Tier 1 basic metering data delivery	AEMO to come back to Participants on the difference between the Tier 1 basic metering data delivery and the Ongoing Tier 1 basic metering data delivery.	AEMO	