

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

Meeting SWG #22
Date Wednesday, 20 May 2020
Time 10:00 – 13:00
Location Webex

Attendees

Please let 5MS@aemo.com.au if there is an error or omission with the attendees list.

| ATTENDEE | ORGANISATION | LOCATION |
|--------------------|--------------|----------|
| Graeme Windley | AEMO | WebEx |
| Anne-Marie McCague | AEMO | WebEx |
| Blaine Miner | AEMO | WebEx |
| Greg Minney | AEMO | WebEx |
| Ian Devaney | AEMO | WebEx |
| Jim Agelopoulos | AEMO | WebEx |
| Mark Hillaby | AEMO | WebEx |
| Naomi Byrnes | AEMO | WebEx |
| Paul Lyttle | AEMO | WebEx |
| Pierre Fromager | AEMO | WebEx |
| Sangeeta Pai | AEMO | Webex |
| Simon Tu | AEMO | WebEx |
| Tom Butterworth | AEMO | WebEx |
| Tui Grant | AEMO | WebEx |
| Andrew Peart | AGL | WebEx |

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| Annett Reitmann | AGL | WebEx |
| Chris Leffley | AGL | WebEx |
| Gail Mitchell | AGL | WebEx |
| Subhra Sekhar Kar | AGL | WebEx |
| Natasha Rajdev | Alinta Energy | WebEx |
| Soham Roy Chaudhuri | Alinta Energy | WebEx |
| Stuart Robinson | Arrow Energy | WebEx |
| Stuart Robinson | Arrow Energy | WebEx |
| Stuart Robinson | Arrow Energy | WebEx |
| Craig Eadie | Aurora Energy | WebEx |
| Kevin Boutchard | Aurora Energy | WebEx |
| Alex Polonetskiy | Ausgrid | WebEx |
| Mmaleki | Ausnet Services | WebEx |
| Vesna Dulovic | Ausnet Services | WebEx |
| Trent Smith | Brave Energy | WebEx |
| James Hutt | CS Energy | WebEx |
| Khadka Ramesh | Electranet | WebEx |
| Dino Ou | Endeavor Energy | WebEx |
| Nicole Bright | Energex | WebEx |
| Steve Smith | Energex | WebEx |
| Jon Ham | Energy Australia | WebEx |
| Luke Emrose | Energy Australia | WebEx |
| Roy Utomo | Energy Australia | WebEx |
| Roy Utomo | Energy Australia | WebEx |
| Tilin Yi | Energy Australia | WebEx |
| Joseph Giddings | Energy One | WebEx |
| Andrew Lenga | Engie | WebEx |
| Avinash | Engie | WebEx |

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|-------------------|-------------------|-------|
| Drew Pass | Engie | WebEx |
| Greg Fawcett | Engie | WebEx |
| Ingrid Farah | Ergon Energy | WebEx |
| Belinda Jarrett | ERM Power | WebEx |
| Emily Lewis | ERM Power | WebEx |
| Sharleen Flanagan | ERM Power | WebEx |
| Snehal Jogiya | ERM Power | WebEx |
| Stewart Bryce | ERM Power | WebEx |
| Adam Dubowski | Essential Energy | WebEx |
| Andrew Steer | Gentrack | WebEx |
| Jarraah Rijswijk | Hydro Tas | WebEx |
| Suraj | Intellihub | WebEx |
| Marina Bakh | Jemena | WebEx |
| Matthew Mullen | Jemena | WebEx |
| Raj Aravinthan | Jemena | WebEx |
| Tejas Vadera | Jemena | WebEx |
| Dan Hillier | Meridian | WebEx |
| Sreeni Srirangam | Metering Dynamics | WebEx |
| Mark Lee | Momentum Energy | WebEx |
| Parmod Hooda | Mondo | WebEx |
| Frances Espiritu | Origin Energy | WebEx |
| Marian Vasjuta | Origin Energy | WebEx |
| Mirella Jaric | Origin Energy | WebEx |
| Olivia Fleming | Origin Energy | WebEx |
| Yvonne Tuckett | Origin Energy | WebEx |
| Frank Sama | Plus ES | WebEx |
| Christophe Bechia | Red Energy | WebEx |
| Nick Gustafsson | Red Energy | WebEx |

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|-----------------------|--------------------|-------|
| Rajiv Kalra | SA Power Networks | WebEx |
| Audrey Follett | Snowy Hydro | WebEx |
| Angela Sheehy | Stanwell | WebEx |
| Elizabeth Byrne | Stanwell | WebEx |
| Kim Elms Stanwell | Stanwell | WebEx |
| Michael Flyn | Stanwell | WebEx |
| Owen Self | Stanwell | WebEx |
| Roselle | Stanwell | WebEx |
| Tim Bellette | Stanwell | WebEx |
| Adrian Honey | TasNetworks | WebEx |
| Wilmund Foong | United Energy Dist | WebEx |
| Paul Greenwood | Vector AMS | WebEx |
| Jayendra Weerawardana | Zen Energy | WebEx |
| Amanda Pollard | Origin Energy | WebEx |
| Brendan Twiddy | Origin Energy | WebEx |
| Chri Leffler | AGL | WebEx |
| Krishna Moorthy | Origin Energy | WebEx |
| Melina Masci | | WebEx |
| Rajesh | | WebEx |
| Rhys Albanese | | WebEx |

Preliminary Matters

1. **Welcome** – G. Windley

Attendees were welcomed to the #22 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 for inclusion on the list of attendees. An amendment to Agenda order was explained.

2. **Meeting notes and actions** –A. McCague (slides 4)

The meeting notes for the previous SWG held on 29 April 2020 were confirmed. The actions from meeting #21 have been reviewed and updated. Please refer to the meeting pack and list below for more details.

3. **Program Update** – G. Windley (slides 5 - 11)

AEMO provided a program update as set out in slide 6.

The impact of the change of date for milestone L1-M6 AEMO Internal Systems Development – Build Complete was discussed. Slide 11 provides a table with the milestones that have been impacted by this change.

A question was raised on the timing of the staging drops as a result of the change to L1-M6. It was confirmed that the staging drops for Retail had been split into two. The second software drop for Retail Release 2 will take place on 15 June 2020 and the third for Release 3 will take place on 31 August 2020.

It was noted that the proposal to bring the Settlements and Dispatch go-live dates is under consideration. AEMO is considering bringing them forward to mitigate the risk of having the go-live dates close to the new go-live date for the Metering Solution. The proposal is subject to further conversation internally and feedback from PCF and RWG. The PCF and RWG will be kept up to date on any progress. The proposed changes to settlements and dispatch go-lives are not reflected in the milestone diagram as they are still under consideration.

4. R39 Schema Discussion – P. Lyttle (slides 12 - 13)

AEMO provided a summary of the key points from the r39 ase XML Schema Focus Group held on 11 May 2020. The meeting pack for this Focus Group is available on the AEMO Website [here](#).

5. Day 1 Requirements: AEMO Systems Implementation– Multiple Presenters (slides 25-27)

AEMO presented the changes that will be deployed for each of workstream – Dispatch, Retail and Settlements – and the requirements for participants with each go-live.

Action 22.5.1: AEMO to update slides 16, 18 and 20 in line Day-1 requirements and resend the SWG #22 pack.

Dispatch

Question: When will further information be available on whether the data model will be split (as referred to in slide 15)?

Answer: The data model would be split if the go-live dates for Settlements and Dispatch were to be moved. AEMO expects to have a conclusion on this matter by the next SWG in June.

Question: From when can participants see the 5-minutes bids in the data model?

Answer: Participants will see new 5-minute bids in the data model from 1 April 2021, which is the Dispatch Go-Live date according to the current timeline. The data model will also apply in pre-production from 29 November 2020.

Retail

Question: Where is the transition to MDFF/MTRD documented?

Answer: This transition is detailed in the Metering Transition Plan (MTP).

Question: It would be good to have a 10MB agreement in the MTP.

Answer: The allowable delivery size of metering data is specified in the relevant AEMO and B2B documents, it is not based on agreement between Participants. Therefore, this item will not be included in the MTP.

Question: Does this mean a Local Retailer can determine when they want to accept the new MDFF files?

Answer: MDFF files are currently received as part of B2B activities. As per the Rules, the sending of submultiples of market trading interval lengths e.g. 5-min can only occur by agreement between the FRMP, NSP, MDP and AEMO. There are no provisions in the Rules for Local Retailers (LRs) to object to these reads should an agreement be in place. AEMO and the RWG have committed to providing as much visibility as possible to LRs should an agreement be established between the required parties.

Question: Will the MTP include activities relating to the initial use of the new datastream type code of 'N', to ensure Participants are ready to receive and process them?

Answer: This will be discussed at the next Transition Focus Group.

Question: In relation to applying 'TNI2' updates, it was noted in previous discussions that this was to be provided manually as part of the NSP2 setup – can this be confirmed?

Answer: AEMO will be responsible for applying TNI2 values, in a similar manner to 'NSP2' values.

Action 22.5.2: AEMO to update slide 17 with to note that migration to r39 of ase XML Schema is necessary to accept the NMID response where there is a TNI2 value.

Settlements

Participants were asked by AEMO to consider whether they had automated reads of the mandatory changes listed on slide 19. Participants were requested to use the 5MS Staging Environment to ensure that the mandatory changes work with their own systems and process. Feedback is requested by Friday 5 June 2020.

Action 22.5.3: Participants to confirm if they require automated reads of any of the mandatory changes on slide 19 of the SWG #22 meeting pack related to Settlements.

6. Industry Testing Working Group Update – T. Grant (slides 21-22)

AEMO provided the agenda for the upcoming ITWG on 27 May 2020 as set out on slide 22.

7. Readiness Working Group Update – G. Minney (slides 23 - 25)

AEMO provided an update on RWG #11 conducted on 14 May 2020 as set out on slide 24.

A summary of the key point from Industry Readiness Reporting Round 2 was presented as set out on slide 25. The RWG has looked at the results in more detail. The full report is available and SWG members encouraged to discuss with their RWG Members.

8. Procedures Update – S. Tu (Slides 26 -28)

AEMO provided a procedures update as per the slides.

9. Next meeting – G. Windley (slides 29 - 31)

AEMO noted that the next SWG #23 meeting is scheduled to be held on 17 June 2020. Any other agenda items to be added please advise 5ms mailbox.

Participants requested the following items be added to the SWG#23 agenda:

- Outline when AEMO will confirm the processes around the Global Settlement Cutover. E.g. what if any transactions are cancelled during the transition period etc.
- Run through of the impact assessment of proposed change in Dispatch and Settlement.

10. Retail stream update – J. Agelopoulos (slides 32-34)

AEMO provided a Retail Stream update as set out in the slides.

11. Dispatch Stream Update – I. Devaney (slides 35 - 37)

AEMO provided a Dispatch Stream update as set out in the slides.

Question: When will compression be available in the 5MS Staging Environment

Answer: 12 June 2020

12. Dispatch Staging Release Drop 2 – 15th of May 2020 – I. Devaney (slides 38 – 40)

AEMO provided a summary of the functionality in the Dispatch Release Drop 2 in the 5MS Staging Environment.

13. Data Model Impacts – Sangeeta Pai (slides 41-42)

AEMO provided a summary of the changes to the data model in the release into the 5MS Staging Environment on 15 May 2020.

Question: Will the additional changes be added to the slide?

Answer: The additional changes will be added and circulated to participants.

Question: When will the data model tech spec be updated?

Answer: 22 May 2020

Action 22.11.1: AEMO to communicate the additional changes to columns in the dispatch data model by 22 May 2020.

14. Settlements stream update – M. Hillaby (slide 43 - 45)

AEMO provided a Settlements Stream update as set out in the slides.

15. Settlements Staging Release Drop 3 May 2020 – M. Hillaby (slide 49 – 50)

An update was provided on the activities that took place for Settlements Package 3 in the 5MS Staging Environment.

It was noted that there was an additional settlements drop on 15 May 2020.

16. Meeting Close

Meeting closed at 12:00.

Action Log

| Item | Status | Topic | Action | Owner | Due By | Comment |
|---------|--------|-------------|---|-------------|------------|---|
| 22.5.1 | Open | SWG | AEMO to update slides 16, 18 and 20 in line Day-1 requirements and resend the SWG #22 pack. | AEMO | 29/05/2020 | |
| 22.5.2 | Open | Retail | AEMO to update slide 17 with to note that migration to r39 of ase XML Schema is necessary to accept the NMID response where there is a TNI2 value. | AEMO | 17/06/2020 | |
| 22.5.3 | Open | Settlements | Participants to confirm if they require automated reads of any of the mandatory changes on slide 19 of the SWG #22 meeting pack related to Settlements. | SWG members | 5/06/2020 | |
| 22.11.1 | Open | Dispatch | AEMO to communicate the additional changes to columns in the dispatch data model by 22 May 2020. | AEMO | 22/05/2020 | Complete – email circulated on 22 May 2020. |
| 20.17.1 | Open | Dispatch | AEMO to provide a list of affected tables in the data model. | AEMO | 22/04/2020 | Queries from AGL, Energy Australia and Snowy Hydro addressed via a conference call on May 6 th . The holding of other sessions being planned for a later date. These will be called Data Model Information Sessions. |

Appendix 1: Further information on rule change process

| | Rule change process | Procedure change process | Electricity contract market changes |
|----------------------|---|--|---|
| What? | AEMO submitted a rule change request to defer 5MS and GS by 12 months. See: https://www.aemc.gov.au/sites/default/files/documents/erc0298_rule_change_request_pending.pdf | The rule change request seeks that: <i>As a transitional matter, AEMO proposes that any changes that are required to already-determined procedures for the sole purpose of deferring the effective date of 5MS or GS should not require consultation.</i> | A delay to 5MS would affect the contracts market. Contracts would need to be assessed for any impacts. |
| Who? | AEMC runs NER changes See: www.aemc.gov.au | AEMO runs NEM procedure changes under s8.9 of the National Electricity Rules Different forums are used for doing initial consultation with industry (see examples on next slide). | Retailers, generators and other specialised market participants agree bilateral contracts for electricity (OTC, futures etc). AFMA could potentially assist by facilitating a working group that considers standard templates for these agreements |
| How long? | It depends on whether AEMC runs the process as: <ul style="list-style-type: none"> an 'expedited' rule change: 8 weeks with one round of consultation, or a standard rule change: several months with two rounds of consultation See: https://www.aemc.gov.au/our-work/changing-energy-rules | It depends: <ul style="list-style-type: none"> Standard procedure changes have two rounds of consultation: several months Minor and administrative procedure changes are sometimes permitted without consultation or with modified consultation requirements The AEMC may determine how procedures impacted by the 5MS deferral rule change are consulted. | Industry led. May have dependencies on the rule change process. |
| How to have your say | <ul style="list-style-type: none"> Make a submission to the rule change process Participate in any stakeholder workshops or hearings | <ul style="list-style-type: none"> Make a submission to any procedure change process Participate in any stakeholder forums | Industry led. |
| Key stakeholders | Whole of industry including retailers, generators, metering service providers, network service providers, consumer representatives and large industrial customers | 5MS program stakeholders are mainly: retailers, generators, metering service providers, network service providers. | Those participants who enter into contracts to buy/sell electricity. |

Appendix 2: BAU channels for AEMO procedures issues

| Area | Channel |
|--|--|
| Metering / metering data / standing data | B2M Electricity Retail Consultative Forum (ERCF) • Follow change process B2B Information Exchange Committee • Follow change process |
| Settlements | email: settlements@aemo.com.au |
| Prudentials | email: prudentials@aemo.com.au |
| Dispatch | NEM Wholesale Consultative Forum • email: nemwcf@aemo.com.au |

DRAFT