5MS & GS Systems Working Group (SWG) Meeting Notes

MEETING:	SWG #13
DATE:	Monday, 19 August 2019
TIME:	10:00 – 13:00 AEST
LOCATION:	AEMO Offices Melbourne, Brisbane, Sydney and by Webex

ATTENDEES:

ATTENDEE	ORGANISATION	OFFICE
Sammy Wainrit	AEMO	Melbourne
Mark Hillaby	AEMO	Melbourne
Greg Minney	AEMO	Melbourne
Ian Devaney	AEMO	Melbourne
Hamish McNeish	AEMO	Melbourne
Simon Tu	AEMO	Melbourne
Greg Fawcett	Engie	Melbourne
Joseph Giddings	EnergyOne	Melbourne
Annett Reitmann	AGL	Melbourne
Chris Leffler	AGL	Melbourne
Varun Dewan	Engie	Melbourne
Monica Morona	AEMO	Sydney
Alex Polonetskiy	Ausgrid/PlusES	Sydney
Hamish McNeish	AEMO	Brisbane
Blaine Miner	AEMO	Brisbane
Kim Elms	Stanwell	Brisbane
Tim Bellette	Stanwell	Brisbane
Panharith No	Intergen	Brisbane
Ian Devaney	AEMO	Norwest
Adam Dubojski	Essential Energy	WebEx / Dial in
Adrian Honey	TasNetworks	WebEx / Dial in
Andrei Tchoub	Unknown	WebEx / Dial in
Andrew Steer	Gentrack	WebEx / Dial in
Dan Hillier	Meridian Energy	WebEx / Dial in
Deepak Sood	Tango Energy	WebEx / Dial in
Dino Ou	Endeavour Energy	WebEx / Dial in
Divya Kapoor	Flow Power	WebEx / Dial in
Elizabeth Byrne	Stanwell	WebEx / Dial in
Ingrid Farah	Ergon Energy	WebEx / Dial in
Jack Yates	CQ Partners	WebEx / Dial in
James Hutt	CS Energy	WebEx / Dial in
Jarrah Rijswijk	Hydro Tasmania	WebEx / Dial in
Kevin Boutchard	Aurora Energy	WebEx / Dial in
Louisa Wong	Origin Energy	WebEx / Dial in
Manoj Parameswaran	Unknown	WebEx / Dial in
Martin Vyhnalek	Origin Energy	WebEx / Dial in
Marina Bakh	Jemena	WebEx / Dial in
Matthew Quinn	Energy Australia	WebEx / Dial in
Owen Self	Stanwell	WebEx / Dial in
Paul Sampson	IntelliHUB	WebEx / Dial in

Peter Gramp	Alinta	WebEx / Dial in
Raj	Unknown	WebEx / Dial in
Sarah Williamson	Energy Queensland	WebEx / Dial in
Shane Basnayake	EnergyOne	WebEx / Dial in
Sharleen Flanagan	ERM Power	WebEx / Dial in
Snehal Jogiya	ERM Power	WebEx / Dial in
Steve Smith	Energy Queensland	WebEx / Dial in
Stewart Bryce	ERM Power	WebEx / Dial in
Suresh Maguluri	Momentum / Hydro	WebEx / Dial in
Tariq Pervaz	Red Energy / Lumo Energy	WebEx / Dial in
Tejas Vadera	Jemena	WebEx / Dial in
Tony Bergmeier	Snowy Hydro	WebEx / Dial in
Tui Grant	AEMO	WebEx / Dial in
Yeyen Relingo	Energy Q	WebEx / Dial in

NOTE: NOT ALL ATTENDEES JOINING BY DIAL IN MAY HAVE BEEN IDENTIFIED.

Preliminary Matters

1.   Welcome – S. Wainrit

Attendees were welcomed to Systems Working Group #13 (SWG).

AEMO noted the role of the SWG to provide information to support and encourage discussion and consider industry views in the development of technical documents and system issues. AEMO also noted the expectations on SWG members to participate in the discussion forum, ensuring that members were prepared to table participant views and raise any issues.

2.   Meeting Notes and Actions – S. Wainrit (slides 4-5)

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

12.3.1 – Closed as this matter will be dealt with via the Readiness Working Group as part of its core business.

12.3.2 – Ongoing. AEMO awaiting feedback from participants.

12.3.3 – Closed. Provided via the PCF.

12.13.1 – AEMO sought clarity from SWG members as to their requirements for the numbers of meters that they are looking for. NEM specific was agreed as sufficient for the numbers of the meters

Matters for Noting

3.   Retail Stream update – J. Agelopoulos (slides 7-9)

AEMO presented the retail stream update in slides 7-9. Only minor changes were made in relation to Metering deliverable dates; these were predominately around changing the dates from TBC to specific dates.

Stanwell queried what potential impacts the date change for the B2M via API User Guide will have on participants and how this has been considered by AEMO.

The detail that is required for the build for the B2M via API is already contained in the Technical Specifications (build specifications), whereas the User Guide is to inform operations and use of the systems. UAT will be completed in the testing environment provided by AEMO, however as the

testing environment will not be provided until 2020 and the User Guide will be available prior to the Staging Environment in available in November 2019, the delivery date for the User Guide will not impact participants.

AEMO also noted that the date change does not impact the delivery of any Level 2 milestones.

ACTION 13.3.1 – Participants to provide details to AEMO where they have concerns that the delay in the delivery of the B2M via API User Guide, From August to October 2019, will impact their Program delivery.

4. Dispatch Stream update – I. Devaney

AEMO provided the Dispatch update, as per slides 11-13, noting that all delivery dates for Technical Specifications remain unchanged.

Stanwell sought clarity regarding when will the functionality be dropped in pre-production and when will this be available. AEMO noted that the pre-production drops will be outlined in the Transition Strategy and timeframes will be provided through the RWG.

5. Settlements Workstream update – M. Hillaby

AEMO provided the Dispatch update, as per slides 15-17, noting that there was little change to Settlements delivery dates, with the small exceptions of minor amendments to ensure that delivery better aligned with the relevant Level 2 milestones.

6. Readiness Workstream update – G. Minney

AEMO outlined the key deliverables and expected delivery dates for key Readiness items in slides 19-20.

Stanwell noted that some dates have changed in relation to Readiness deliverables. AEMO confirmed that there have been a number of changes to draft delivery dates based on stakeholder feedback from the RWG, which sought to combine key strategies to better align the deliverables. Dates will be settled and confirmed in due course via the RWG.

7. Metering Focus Group update – B. Miner

8. Metering Package #2: consultation update – B. Miner

AEMO noted that the Metering Focus Group update in slides 22-27 were presented to the PWG in July 2019. The agenda and content covered the feedback and questions that were received as part of Metering Package 2 consultations. Further detail on Metering Package #2 consultations was provided in slides 29-31.

9. Dispatch Focus Group update – I. Devaney

AEMO provided an overview of the July Dispatch Focus Group meeting in slide 33, noting a key outcome of the meeting was the inclusion of the Fast Start Inflexibility Profile in the 5-Minute Pre-Dispatch.

Matters for Discussion

10. Staging environment – G. Minney / T. Grant

AEMO provided an overview of the Staging Environment in slide 36, highlighting the approach and principles for the Staging Environment management.

AEMO clarified for SWG members that the functionality for the currently available technical specifications will be provided in the Staging Environment, with new functionality available as additional technical specifications are released.

AEMO further noted that the Staging Environment is a different connection to the Pre-Production environment and will be managed separately. In the staging environment, a daily update or refresh of data will not be provided, as it provided for Pre-Production.

ACTION 13.10.1: AEMO to confirm if an additional VPN is required to connect to the Staging Environment.

11. MDM File Format and Load Process User Guide – S. Tu (slides 38-42)

AEMO provided an update on the MDM User Guide, which is a retail focused document.

AEMO outlined that the document was originally proposed to be a Procedures document, however AEMO determined that it should be reclassified as a User Guide. This enables it to be a more adaptable and iterative resource, that can be developed in consultation with industry via the 5MS & GS Working Groups, rather than be constrained by the formal requirements of a Procedures document.

AEMO highlighted that there would be a review imminently from a formatting perspective. AEMO also raised to the attention of the SWG that there were a number of matters that were highlighted in the consultation period as outlined in slides 39-40.

AEMO noted that the specifications released in May covered the size and maximum number of transactions that can be sent per message. Participants noted in the consultation that this appeared to be arbitrary and not related to other transaction types. AEMO clarified that this was due to the NMI Discovery transaction group, supported size change for MTRD. This will be discussed further as part of the B2B Working Group. As the majority of participants send through one transaction per message this is unlikely to impact participants.

Highlighting that where a MTRD transaction fails Transaction Validation due to an issue with the MDFF schema (i.e. the MDFF cannot be interpreted due to structural issues) AEMO will bundled the MACK and TACK and send the responses as a single .ack file. As an .ack does not need to be MACKed in turn the Hokey Pokey for the Transaction is complete.

AEMO noted that the Validations Matrix was provided with the SWG meeting pack. It contains the new error codes relating to validations as at August 2019. This will be updated as required and AEMO is not expecting new error codes will be required but rather the document will be updated with additional detail and clarity.

AEMO also outlined the proposed amendments to the RM Reports, where AEMO is proposing to remove the last sequence number from the RM Reports to enable AEMO to send a full data set to participants, rather than the limit of 10,000 rows of data.

ACTION 13.11.1: Participants to provide feedback to AEMO on the proposal to remove the RM Report SequenceNumber.

12. Dispatch and Operations Technical Specification – Hamish McNeish

AEMO provided an update on the final draft of the technical specifications in slides 44-47, noting that there were a number of items remaining to be updated, specifically web bidding screens and the 5-Minute Pre-Dispatch changes. This will not impact participant builds and all changes will be completed by October.

Demonstration of the Web Bidding screens at the September SWG as well as setting up another forum on this matter to ensure that a broader demonstration of the screens would be provided to participants beyond the SWG membership.

ACTION 13.12.1: AEMO to set up a Focus Group to demonstrate and seek feedback on the Web Bidding Screens.

AEMO raised the API throttling limitations to seek any additional feedback from the SWG on this matter. AEMO has proposed one submission per second per participant ID.

Origin noted that they were seeking feedback on this matter directly from AEMO.

Hydro Tasmania sought clarification that the limitation of one submission per second and will not be impacted by simultaneous GET Bids. AEMO confirmed that these would not impact the API throttling and would be dealt with separately.

ACTION 13.12.2: SWG members to provide any further comments on the API throttling limitations to AEMO via 5ms@aemo.com.au.

Stanwell inquired about fixed loads. AEMO confirmed that there was a discrepancy with the high-level assessment document and the Technical Specifications.

ACTION 13.12.3: AEMO will confirm that the HLIA and Technical Specification are consistent in regards to the fixed code fields.

AGL correct to assume receive JSON app when a JSON bid has been submitted and a CSV app when a text bid was submitted. AEMO confirmed that this was correct.

13. Reallocations Draft Technical Specification – Mark Hillaby (slides 49

AEMO released an early draft of the Reallocations Technical Specifications and AEMO will update with additional information as it comes to hand.

SWG members noted generally that they were supportive of revised calendars and approach taken in the technical specifications.

Other Business

14. Forward Meeting Plan – S. Wainrit

Next meeting Tuesday 17 September. AEMO requested that participants provide suggested topics for the next SWG via the mailbox or meeting feedback survey.

15. General Questions – S. Wainrit

Meeting Closed.

Item	Topic	Action required	Responsible	Status
SWG 13				
13.3.1	Retail Stream Update	Participants to provide details to AEMO where they have concerns that the delay in the delivery of the B2M via API User Guide, from August to October 2019, will impact their Program delivery.	SWG Members	Closed Responses via SWG Participant Feedback Survey
13.10.1	Staging Environment	AEMO to confirm if an additional VPN is required to connect to the Staging Environment.	AEMO	Ongoing Update to be provided at SWG #14
13.11.1	MDM File Format and Load Process User Guide	Participants to provide feedback to AEMO on the proposal to remove the RM Report SequenceNumber.	SWG Members	Closed Responses via SWG Participant Feedback Survey
13.12.1	Dispatch and Operations Technical Specification	AEMO to set up a Focus Group to demonstrate and seek feedback on the Web Bidding Screens.	AEMO	Closed Focus Group not required; update provided in SWG #14
13.12.2	Dispatch and Operations Technical Specification	SWG members to provide any further comments on the API throttling limitations to AEMO via 5ms@aemo.com.au.	SWG Members	Closed Responses via SWG Participant Feedback Survey
13.12.3	Dispatch and Operations Technical Specification	AEMO will confirm that the HLIA and Technical Specification are consistent in regard to the fixed code fields.	AEMO	Ongoing Update to be provided at SWG #14
SWG 12				
12.3.1	Retail Update	AEMO to determine the best method of communicating the readiness activity timeline, and to update the incorrect detail in the SWG slides.	AEMO	Closed

12.3.2	Retail Update	SWG members to provide any further feedback on if they plan to move to B2M via APIs and the expected timeline.	SWG Members	Ongoing AEMO Awaiting feedback from participants
12.3.3	Retail Update	AEMO to consider publishing an MPP file that reflects the systems timelines.	AEMO	Closed Provided via the PCF
12.4.1	Dispatch Update	RWG Members to review Technical Specifications and provide feedback to AEMO via 5MS@aemo.com.au.	SWG Members	Closed
12.10.1	Dispatch Update	SWG Members to raise any concerns with AEMO's approach to mandatory restrictions at SWG 13.	SWG Members	Closed
12.12.1	Forward Agenda	AEMO to advise SWG of first Testing Focus Group when details available.	AEMO	Ongoing
12.13.1	General Questions	AEMO to present predictions to SWG on volume of meters capturing 5-minute data by the end of 2022.	AEMO	Ongoing AEMO sought clarity from SWG members as to their requirements for the numbers of meters that they are looking for. NEM specific was agreed as sufficient for the numbers of the meters.
12.13.2	General Questions	SWG members to provide feedback to AEMO regarding the 5MS Staging environment and any concerns relation to the new APIs being only accessible via the internet and not available via MarketNet.	SWG Members	Ongoing AEMO seeking feedback following SWG #13.
SWG 10				

10.9.4	General Questions	AEMO will consider approach and advise participants when error codes are proposed to be published.	AEMO	Ongoing AEMO is currently considering approach and will advise participants when error codes are proposed to be published.
SWG 9				
9.7.6	Metering – Meter Data Delivery	AEMO to provide clarification for reporting in the cutover period, where the reports go across the 30min and 5min intervals, will reports display data for both 48 and 288 intervals.	AEMO	Ongoing Greg Minney with be leading the Readiness Workstream and working through strategy and approach documentation in regard to cutover. Dates will be publicised to the SWG when known.
SWG 1				
1.6	Participant bandwidth implications	AEMO to provide assessment on bandwidth / networking impacts.	AEMO	Ongoing Design completed and AEMO is currently assessing implications.