5MS Systems Working Group (SWG) Meeting Notes

MEETING: 9

DATE: Monday, 15 April 2019

TIME: 10:00 AM – 1:00 PM

LOCATION: AEMO Offices Melbourne, Sydney and by WebEx

ATTENDEES:

ATTENDEE	ORGANISATION	OFFICE
Mal Borschman	AEMO	Melbourne
Jim Agelopoulos	AEMO	Melbourne
Simon Tu	AEMO	Melbourne
Anette Reitmann	AGL	Melbourne
Arif Syarifuddin	Powercor	Melbourne
Matthew Thornley	EOL	Melbourne
Varun Dewan	Engie	Melbourne
Ian Devaney	AEMO	Sydney
Monica Morona	AEMO	Sydney
Austin Tan	AEMO	Sydney
Alex Polonetskiy	Ausgrid	Sydney
Yvonne Tuckett	Origin Energy	Sydney
Victor Sanchez	Infigen	Sydney
Hamish McNeish	AEMO	Brisbane
Adam Neilson	Stanwell Corporation	Remote - Webex
Adam Dubojski	Essential Energy	Remote - Webex
Adrian Honey	Tas Networks	Remote - Webex
Ayesha Khan	Essential Energy	Remote - Webex
Ben Johnson	ERM Power	Remote - Webex
Brett Clark	Baringa	Remote - Webex
Deepak Sood	Tango Energy	Remote - Webex
Eamon Heatherton	Global Roam	Remote - Webex
Jarrah Van Rijswik	Hydro Tasmania	Remote - Webex
Jackie Mayo	EnergyQ	Remote - Webex
Joe Giddings	Energy One	Remote - Webex
Justin Wearne	Energetiq	Remote - Webex
Michael Tkachuk	Stanwell Corporation	Remote - Webex
Pedro		Remote - Webex
Rahman Qazi	Endeavour Energy	Remote - Webex
Rajesh Hariharan	Origin Energy	Remote - Webex
Richard Marshall	Alinta Energy	Remote - Webex
Shane Howlett	Aurora Energy	Remote - Webex
Snehal Jogiya	ERM Power	Remote - Webex
Tejas Vadera	Jemena	Remote - Webex
Tim Bellette	Stanwell Corporation	Remote - Webex
Damien Lynch	Ergon Energy	Dial In
Elizabeth Byrne	Stanwell Corporation	Dial In

Preliminary Matters

1.	Attendees were welcomed to Systems Working Group #9 (SWG). It was noted to attendees that the meeting would be recorded for the purpose of assisting the development of meeting notes.

Matters for Noting

2.	Minutes and Actions from last meeting – M. Borschman (Slides 4-5)

AEMO noted 2 outstanding actions. Resolution and response by AEMO not required until May 2019.

AEMO provided updates on all items.

Item 1.6 – AEMO is investigating implications with cloud deployment and will provide a progress update every month. On request from the PCF more details will be provided in regard to metering estimates for increased volume of traffic and bidding. This information will be provided to participants.

Item 7.6 – As discussed at the previous SWG, AEMO is progressing an API. AEMOs security standards currently require a change of passwords every 90 days and is exploring provision of an API where the password can be reset through an API call. Updates will be provided at subsequent SWG meetings.

SWG expressed concern that there needs to be an easy seamless way for systems to intercommunicate automatically.

AEMO is proposing an API that participants could automate a system to call the API and reset it and will feedback concern that 90 days reset is too frequent for system to system password change.

Item 7.9 – IT team has confirmed that domain names are supported. Once registered IP addresses can be managed by participants.

Query raised as to whether IT will support sub-domains.

AEMO requested the query to be put in an email to be passed on to technical team.

Action 9.2.1: AEMO to respond to sub-domain support for the API gateway.

Systems Workstream Updates

3.	Retail Stream Update – J. Agelopoulos (Slides 6-9)

AEMO provided an update on Systems Tracking since the last SWG meeting.

B2M eHub Technical Guide is currently being drafted by technical writers and has been delayed from April to May 2019.

Guide to MSATS Web Portal will be removed from the Metering reporting table. As this is not a Technical Specification and the MSATS browser enhancements are planned to be delivered outside the consultation period, this Guide will be updated to reflect the updated screens at that point in time.

Updates to High Level Impact Assessment (HLIA) have included MSATS RM reports and Meter Data Load, however, MSATS browser enhancement updates are being pushed out to May 2019.

A question was raised in regard to why Metering is divided into three work packages.

AEMO advised that the intent was to group and align with Procedures packages. AEMO considered it necessary to prioritise on Technical Specifications related to the Meter Data Load (MDFF) due to the impact on participants.

Jemena queried whether SWG packages 1, 2 and 3 align with the structure of procedures workstream.

AEMO informed that current the Metering SWG Package 1 included two specifications in the MDFF Specification NEM12 NEM13 and Meter File Format and Load Process. However, the Meter File Format and Load Process is impacted and more aligned to Procedures that are being updated in the Procedures Package 2.

Jemena asked if the HLIA document published 9 April would continue to be updated. AEMO confirmed the document would continue to be updated.

AEMO advised that a line had been added for General Process and Document Clean-up to ensure finalised documents and artefacts are consistent and aligned.

Stanwell enquired if AEMO anticipated a knock-on effect to the draft and final tech spec for the B2M eHub Tech Guide, considering the delay.

AEMO responded there may be slight changes, but the aim is to simplify documentation design to eliminate confusion.

AEMO presented Level Two Milestones – Metering, noting that there was an erroneous row (with #ID of 33) was to be deleted. The key changes to the table are where the Status of a milestone has been modified to a [Firm] status.

AEMO advised that dates indicated for industry testing/market trials have not yet been confirmed and will be reviewed internally by the Readiness workstream commencing in June/July.

4. Dispatch Stream update – I. Devaney (Slides 10-13)

The final Bidding and Dispatch techical specification content was released 2 April, with any further feedback expected by 17 April 2019.

Technical detail is not likely to change; however feedback and comments are welcome. AEMO will provide clarification or further information on request.

Level Two Milestone dates have been firmed up. Packages 1-7 are scheduled to be released in staging environment (sandbox environment) in November 2019.

Origin queried if the dates were final considering feedback was required this week.

AEMO confirmed that dates will be released after feedback has been received.

5. Settlements Stream update – H. McNeish (Slides 14-17)

The external HLIA was delayed from March 2019 and was distributed by email 9 April and has also been published on the AEMO website. The HLIA includes a high level view of settlements changes and will continue to be updated as procedures work is confirmed and system changes are identified.

AEMO advised issue with full data model causing date to be moved out to Jan 20. Dispatch dates have also been amended to align with Settlements stream dates and finalisation of tech specs.

One action outstanding in terms of Level Two Milestones to ensure milestones and descriptions are consistent and align with SWG table and timelines.

Timeline reflects milestones and delivery of key information. Market testing and transition dates are indicative and yet to be confirmed. Readiness stream lead has commenced today.

Matters for Discussion

6.   Settlements – Debrief on Focus Group – A.Tan (Slides 2019-31)

The Settlements Focus Group was held 20 March and covered 5 Minute Settlements and Global Settlements. It was attended mainly by retailer representatives. Meeting notes have been distributed.

Update provided on settlements procedures – six packages have commenced consultation with two complete to date, for Reallocations and Settlements Estimates.

Reconciliation Support Workshop will be held 22 May to explore how to best support reconciliation post 5MS. AEMO advised that nominations have been called for through PWG and PCF.

The settlements teams also presented on 2022 requirement of UFE trends reporting. AEMO is in the early stages of exploring this and invited group and PWG to provide feedback on what content would be most useful.

AEMO presented a summary of topic outcomes and resulting actions.

In regard to MDFF formats the question was asked if AEMO is considering a sunset date. AEMO responded that it is not seen as part of the 5MS program.

A query was also raised in relation to MDFF formats and if it is possible to support basic meters in this format. AEMO advised that this is possible.

Jemena queried what involvement DB's have in Global Settlements considering the majority of attendees of the Settlements Focus Group were retailers.

AEMO advised that while the Settlements Focus Group was predominantly focused on settlement from the retailers perspective, changes to meter data delivery will be discussed at the Reconciliation Support Workshop on 22 May.

7.   Metering – Meter Data Delivery – S. Tu (Slides 32-37)

AEMO sought consultation from SWG MDP representatives in relation to validations for meter data. AEMO are seeking to understand how MDP's currently handle exceptions raised by retailers and is seeking agreement on introducing new validations for MDFF.

AEMO provided a recap regarding three types of meter data files provided by MDPs:

   a) B2M transaction; MDP to AEMO, MDMT format;

   b) B2B requirement; MDP to the retailer (or another entitled participant), MDFF format; and

   c) MDPs in Victoria provide TuOS billing data in the MDFF format as a B2M version of the MTRD transaction.

AEMO reiterated discussion from SWG #8, regarding the proposed approach for MTRD validations, which would send through the details of the validation as part of the transaction acknowledgement.

AEMO proposed approach will be to follow the existing B2B patterns for MTRD data files. Upon submission of data files, the MDP will be provided with a transaction acknowledgement. Following assessment and validation, the transaction acknowledgment will be sent outlining the detail of the validation.

AEMO noted the existing validations in the existing B2B procedure for meter data processes are at quite a high level and do not provide the level of detail required to enable automated processes. Participants confirmed that under the current error codes the process was largely manual.

AEMO is currently reviewing the existing validations and creating new error codes as issues are identified. These will be added to the MSATS error code list. AEMO is aiming to provide richer error codes to MDPs to enable the development of automated processes.

AEMO requested feedback from metering participants regarding the proposal to discontinue using the existing B2B error codes for MTRD transaction type for market sales that are sent to AEMO. While MDPs will receive richer error codes, the proposed approach requires MDPs to handle transactions sent to a retailer and look at the error codes differently than to the ones that AEMO will send back if you were sending it to AEMO.

AEMO highlighted that while MDMT message patterns will not change, MDMF interval reads will not be accepted from July 2021. AEMO is not proposing any new validations for MDMF. There will be new validations introduced over this period, as AEMO will now "open" the MDFF files and validate NEM12 and NEM 13 data. This will not change the fact the MDPs currently send the MTRD transactions to retailers. However, if the file does not meet the required specifications AEMO will highlight this. In this instance AEMO will reject the data through the transaction acknowledgement.

Participants queried whether RM11 report would be via "push" or "pull" approach. AEMO noted the intention was to move solely to a push approach, however due to participant feedback to keep the pull option for the RM11 report, AEMO will review internally and confirm that this function is able to be maintained.

Participants queried the approach to standard procedures in instances where a validation results in a rejection. AEMO noted that MDPs will be required to resend the revised data to both NEMMCO and the market, to ensure that all market information is consistent to ensure that reconciliations are able to be undertaken. Associated with the reconciliation considerations, the 5MS team will be hosting a Reconciliation Support workshop to address this complex issue and work with participants to identify options to improve reconciliation approaches. The workshop will be held on the 22 May in Melbourne.

AEMO have also identified a number of RM Reports that are likely to be retired, many under consideration are internal documents and aren't relevant to market participants. AEMO are seeking feedback from participants regarding the identified reports and whether these are used and/or are critical in nature.

AEMO noted that in transitioning from 48 intervals to 288 intervals, only tier 1 and 2 MDPs will be reported. Participants queried the intention 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 are proposing to introduce four new reports:

RM37 – High Priority Missing Data Report – for Wholesale, generator and interconnector NMI's

RM38 – DataStream Missing Data Report – DataStream level (NEM12) missing readings

RM39 – Mismatch Data Report – identifies where AEMO has received readings that do not match the standing data.

RM43 – UFE Factors by Profile Area – profile area data used to calculate UFE.

However there may be a requirement for additional reports identified through the stakeholder consultation process.

8.   Discussion – participants anticipating using API's – H. McNeish (Slide 38)

AEMO queried participant views on APIs and likely use. Participants noted general intent and planning to transition to APIs moving forward.

Other Business (Slides 39-42)

9.   General Questions – M. Borschman

AEMO noted that the Systems team is starting to review and develop technical specifications as a result of the updated rules and procedures. The HLIAs and technical specifications are undergoing progressive development and release via the AEMO systems webpage.

As part of this transition the 5MS team are reviewing the SWG to identify opportunities to improve engagement and support industry transition to readiness. AEMO are seeking views from industry in relation to the engagement approach, information presentation and any other general feedback on the SWG.

10.   Forward meeting plan

The next Systems Working Group meeting is scheduled for Monday, 20 May at 10.00 am.

The meeting closed at 11:55am.

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.

11. Update of Previous Action Points & New Actions Raised

Item	Topic	Action required	Responsible	By
SWG 9				
9.2.1	Matters for Noting – Item 7.9	AEMO to respond to sub-domain support for the API gateway.	Mal Borschman	NEW
9.3.1	Retail Stream Update	Pushing out MSATS browser HLIA update to May.	Jim Agelopoulos / Mal Borschman	NEW
9.7.1	Metering – Meter Data Delivery	AEMO to provide link to MSATS error codes	Simon Tu	NEW
9.7.2	Metering – Meter Data Delivery	AEMO to provide B2B Procedures link regarding the approach to handling error, event codes, free text explanations, etc., along with examples by 31 May	Simon Tu	NEW
9.7.3	Metering – Meter Data Delivery	Participant feedback regarding the proposed approach to revised MSATS error codes	Simon Tu	NEW
9.7.4	Metering – Meter Data Delivery	AEMO to confirm that MDMT "pull" function will be maintained	Simon Tu	NEW
9.7.5	Metering – Meter Data Delivery	Participant feedback required in regard to RM reports identified to be retired; are any of these reports utilised or business critical.	Simon Tu	NEW
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.	Simon Tu	NEW
9.7.7	Settlements – reconciliation support workshop	AEMO to provide information on the proposed reconcilation support workshop in May 2019.	Austin Tan	NEW

9.9.1	General Questions	SWG members to provide feedback regarding SWG current and future engagement activities via 5ms@aemo.com.au by 2 May 2019	SWG Members	19 May 2019