

## 5MS Special RWG & ITWG

### Meeting Notes

MEETING:

DATE: Thursday 23 July 2020

TIME: 10:00 AM – 12:00 PM

LOCATION: Webex

Attendee	Organisation	Location
Amit Kumar	AEMO	WebEx
Anne-Marie McCague	AEMO	WebEx
Blaine Miner	AEMO	WebEx
Carol Bosnjak	AEMO	WebEx
Elizabeth Bernhardt	AEMO	WebEx
Emily Brodie	AEMO	WebEx
Graeme Windley	AEMO	WebEx
Greg Minney	AEMO	WebEx
Ian Davaney	AEMO	WebEx
Jim Angelopoulos	AEMO	WebEx
Mark Hillaby	AEMO	WebEx
Naomi Byrnes	AEMO	WebEx
Peta Hatzikides	AEMO	WebEx
Peter Carruthers	AEMO	WebEx
Pierre Fromager	AEMO	WebEx
Simon Tu	AEMO	WebEx
Tui Grant	AEMO	WebEx
Vishnu Vijayan	AEMO	WebEx
Annett Reitmann	AGL	WebEx
Chris Leffler	AGL	WebEx
Gail Mitchell	AGL	WebEx
Subhra Sekhar Kar	AGL	WebEx
Jaya Mukherjee	Alinta	WebEx
Jocelyn Morris	Arrow Energy	WebEx
Shane Murray	Arrow Energy	WebEx
Craig Eadie	Aurora Energy	WebEx
Kevin Boutchard	Aurora Energy	WebEx
Alex Polonetskiy	Ausgrid	WebEx
Con Michailides	Ausnet	WebEx
Mahdi Maleki	Ausnet	WebEx
James Hutt	CS Energy	WebEx
Khadka Ramesh	Electranet	WebEx
Dino Ou	Endeavour Energy	WebEx
Jacob Lee	Energex	WebEx
Nicole Bright	Energex	WebEx
Steve Smith	Energex	WebEx
Trish Cone	Energex	WebEx
Karan Mengi	Energy Australia	WebEx
Mark Briody	Energy Australia	WebEx
Tilin Yi	Energy Australia	WebEx
Zulfi Syed	Energy Australia	WebEx

Joseph Giddings	Energy One	WebEx
Martin Andonovski	Energy Queensland	WebEx
Jon Ham	EnergyAustralia	WebEx
Andrew Lenga	Engie	WebEx
Ingrid Farah	Ergon	WebEx
Stewart Bryce	ERM Power	WebEx
Helen Rickards	Essential Energy	WebEx
Matt Porter	Evoenergy	WebEx
David McKenzie	Flow Power	WebEx
Jayendra Weerawardana	Insight Power	WebEx
Suraj Vittala	IntelliHUB	WebEx
Panharith Chai No	InterGen	WebEx
Dickson Abeydeera	Jemena	WebEx
Matthew Mullen	Jemena	WebEx
Rajiv Balasubramanian	Jemena	WebEx
Rob Wilson	Jemena	WebEx
Sreeni Srirangam	Metering Dynamics	WebEx
Mark Lee	Momentum	WebEx
Neville Lewis	Mondo	WebEx
Brendan Twiddy	Origin Energy	WebEx
Greg McLeod	Origin Energy	WebEx
Marian Vasjuta	Origin Energy	WebEx
Linda Brackenbury	Plus ES	WebEx
Frank Sama	PlusES	WebEx
Christophe Bechia	Red Energy	WebEx
Mark Reid	Red Energy	WebEx
Nick Gustafsson	Red Energy	WebEx
David Woods	SA Power Networks	WebEx
Jan De Laet	SA Power Networks	WebEx
Carmel Williamson	Stanwell	WebEx
Michael Flynn	Stanwell	WebEx
Owen Self	Stanwell	WebEx
Adrian Honey	Tas Networks	WebEx
Rhys Albanese	Tilt Renewables	WebEx
Brian K	United Energy	WebEx
Wilmund Foong	United Energy	WebEx

Note: some attendees may not have been identified. Please advise via email to [5ms@aemo.com.au](mailto:5ms@aemo.com.au) if you attended the meeting but have not been noted above.

## **1.0 Welcome – Tui Grant (Slides 1 - 2)**

Attendees were welcomed to the Seventh Industry Testing Working Group (ITWG). Agenda for the meeting is called out.

## **2.0 Open Action Items – Vishnu Vijayan (Slide 3)**

AEMO provided an update on the open action items from previous ITWGs.

Action item 4.10.1: the updated Test Strategy will be sent out by the end of day.

Action 6.2.1: the request for sharing AEMO internal performance testing result with ITWG was checked with AEMO program management and the feedback was that the results cannot be shared as it is internal to AEMO.

Origin mentioned that the previous request was if the performance test plan could be shared and if it still can be provided. AEMO mentioned that the performance test plan for eHub testing that talks to the current and increased volumes via FTP and API also managed with large file sizes can be shared and the test results from the eHub performance testing.

Origin enquired if the participants can get a high-level view of the performance testing AEMO has planned that can provide a level of confidence in what's been done. AEMO responded that the performance benchmarking is based on the regulatory non-functional requirements (NFR) and AEMO will discuss internally if the NFRs can be shared which can provide a level of confidence.

**Action 7.2.1:** AEMO to provide feedback on whether the non-functional requirements for AEMO's performance benchmarking can be shared with participants.

Action item 6.3.1: this action item is complete as the Prudentials data is being copied from Production to Staging.

AGL enquired if there is any date for the data copy from Production to Staging. AEMO responded that the data is loaded daily.

Action item 6.3.2: the cut-over option of settlement invoices with 30-minutes followed by 5-minutes invoices is also completed in staging.

Action item 6.5.1: the response rate from Industry participants is low for the expectations on Dispatch, Settlement and Retail systems in Pre-Prod for Industry Testing. Participants are requested to provide suggestions actively.

Action item 6.5.2: the program is looking at options to make the Staging environment available for participants to perform bi-lateral testing.

Origin enquired if the staging environment will have the specifications of pre-prod environment. AEMO responded that they are currently looking into the possibility of the staging environment having the same specifications as pre-prod and plan is to have the environment available for 5MS and GS testing period.

Action item 6.6.1: the RWG meeting request is now extended to ITWG participants.

Action item 6.6.2 and 6.6.3: the items are updated in the slide pack and will be discussed in the session.

## **3.0 Proposed Industry Testing – Tui Grant (Slides 4 – 8)**

AEMO provided an update on the go-live dates for each stream, Industry Testing Strategy.

Origin requested AEMO's view on the testing if the decision to delay goes ahead and if there are less participants ready to test during the Industry Testing and Market Trial duration. AEMO responded that the systems go-live is independent of the deferral decision and the testing required is to prove that the current BAU functionality is working as it should be. Testing the 5MS functionality would be considered

as a second priority in such case. Participants on different roles across the NEM are encouraged to validate the BAU functionality.

Proposed market testing approach was made available for discussion and AEMO mentioned that the Dispatch and Bidding solution will be available in pre-prod from 29<sup>th</sup> November 2020 for participants to test and develop their functionalities. Settlements and MDM platforms will be available 4 weeks prior to go-live.

AGL enquired that the MDM platform has only 30-min functionality mentioned in the slide whereas in the details 5-min and 30-min is mentioned. AEMO mentioned that the 30-minute mentioned is about the 30-minute settlements. However, the system can use 5-min, 15-min and 30-min from the meter data received and they will be used for settlement at 30-minute level.

AGL also mentioned that the scenarios mentioned in the slides like meter exchange and new connection would need to be tested for the 5-min reads as well. AEMO mentioned that systems will support these scenarios and can be tested in Industry Testing or as bi-lateral testing.

AEMO also mentioned that the receipt of 5-min, 15-min and 30-min meter data can be tested if the MDPs are ready to send that data. Even after go-live of the systems, participants can use the pre-prod system for testing with AEMO or bi-laterally the 5-min functionality before moving to Prod.

AGL asked if the release to pre-prod can be made earlier for participants to test. AEMO responded that this was discussed internally, and the program decided to upgrade staging environment to support this request and if it is not possible ITWG will discuss again to make the changes available earlier in pre-prod.

Metering Dynamics enquired if the register level details are also being tested. AEMO responded that detail test plan for invitation industry testing of MDM platform go-live can be prepared when the participants are on-boarded for the testing. Participants can test this functionality in pre-prod during the testing however the details need to be planned.

Alinta enquired about the cut-off timeline of the nomination of invitation industry testing. AEMO advised that a request will be send out by end of October inviting participants for the testing.

Industry testing dates' slide is explained. AEMO mentioned that the changes from 5MS and GS will be available in pre-prod even after the go-live and participants can use the environment for their testing. Dispatch and bidding systems will be in transition status for the period if the deferral goes ahead. Market Testing of 5MS capability is 5MS focused and not for the systems. Functionality for the market start with 5MS is to be tested in this period.

Energy Queensland enquired about the expectation from participants in Market Testing if the deferral goes ahead. AEMO responded that the Market Testing will be deferred as well in that case. Participants can test the scenarios they want to test based on the changes they are considering to be tested.

Suggestions for Test Scope for the industry testing and market trials are discussed. AEMO mentioned that suggestions for Dispatch and Settlements testing haven't been received from any participants. Retail testing scope have some suggestions received from some participants and will be incorporated. Testing will be planned based on the priority scenarios that has customer or BAU impact on the participant side and in the market.

AGL enquired about the data refresh plan for pre-prod and staging. AEMO responded that the pre-prod refresh is required but is not planned now. The details to be planned in the preparation sessions for the testing and will be communicated to participants. For the data refresh in staging, discussions are in progress internal and is expected to have a refresh in August. Details of the staging refresh will be communicated as soon as the date is finalised.

AEMO mentioned that ITWG and SWG are merged to RWG to eliminate the multiple discussion of topics and to allow consistent messaging across different groups. AEMO is working on creating a spreadsheet with the details of functionality available and the state of the functionality against the

environment based on a request from SWG. First draft of this spreadsheet is expected to be available in 2-3 weeks for the participants and will be discussed in the next RWG.

Origin enquired if metering transition testing is considered especially around the standing data changes and MSATS procedure changes for the MDM platform testing. AEMO confirmed that these changes are available for go-live testing and can be tested bi-laterally with agreement from other relevant participants. The scope of testing these changes in invitation testing will be based on the discussions and participants during the test preparation. AEMO is requesting participants who wants to test the functionalities to participant in the test preparation activities. Recommended scope is to test end-to-end of a scenario.

TasNetworks enquired if samples of RM reports are available and if they will be published on the AEMO website. AEMO mentioned that the samples are not available yet as the internal testing is still going on and can be made available in the website and in Staging by end of August.

Stanwell enquired that if the test strategy is published and AEMO advised that it will be send out after this meeting.

AEMO enquired if any participant got an opportunity to test the staging environment or if any participant is intending to use the environment. Origin and Metering Dynamics responded that they are planning to use the environment soon.

#### **4.0 Forward Meeting Plan & General Questions – Tui Grant (Slides 9 - 11)**

AEMO updated that an ITWG is not planned for Jul as the ITWG is merged to RWG.

Energy Queensland enquired if the next meeting will be in August as part of RWG and AEMO confirmed that the RWG in July will be a combined RWG, PCF.

Alinta agreed with EQ and suggested that meeting in July can be skipped to so that in August the meeting can discuss according to outcome of the deferral decision. Alinta requested to ensure that ITWG members receive the RWG invite for which AEMO confirmed that the RWG invitations will be checked and sent to ITWG again to ensure all participants have the invite.

AEMO encouraged participants to volunteer for the preparation and planning of industry testing.

Attendees were thanked for their attendance and the methods to engage with 5MS program are explained.

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>.

Item	Topic	Action required	Responsible	By
6.5.1	Proposed changes to Participant Testing	Participants to get back with the expectations on Dispatch, Settlement and Retail system status in Pre-prod for Industry testing.	Participants	19-Jun-2020