

## 5MS Industry Testing Working Group (ITWG)

### Meeting Notes

MEETING: 6  
 DATE: Wednesday 27 May 2020  
 TIME: 10:00 AM – 12:00 PM  
 LOCATION: Webex

Attendee	Organisation	Location
Andrew Peart	AGL	WebEx
Gail Mitchell	AGL	WebEx
Subhra Sekhar Kar	AGL	WebEx
Jaya Mukherjee	Alinta	WebEx
Dino Ou	Endeavour Energy	WebEx
Nicole Bright	Energex	WebEx
Mark Briody	Energy Australia	WebEx
Om Yadav	Energy Australia	WebEx
Andrew Lenga	Engie	WebEx
Suraj Vittala	IntelliHub	WebEx
Dickson Abeydeera	Jemena	WebEx
Matthew Mullen	Jemena	WebEx
Raj Aravinthan	Jemena	WebEx
Sreeni Srirangam	Metering Dynamics	WebEx
Greg McLeod	Origin Energy	WebEx
Tony Cartwright	Origin Energy	WebEx
Frank Sama	PlusES	WebEx
Brendan James	PlusES	WebEx
Sandra Ho	Snowy Hydro	WebEx
Owen Self	Stanwell	WebEx
Michael Flynn	Stanwell	WebEx
Elizabeth Byrne	Stanwell	WebEx
Adrian Honey	Tas Networks	WebEx
Raj Adyanthaya	Vector	WebEx
Cindy Mathews		
Craig		
Abigail Duran		
Karan		
Tui Grant	AEMO	WebEx
Greg Minney	AEMO	WebEx
Anne-Marie McCague	AEMO	WebEx
Vishnu Vijayan	AEMO	WebEx
Amit Kumar	AEMO	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 Sixth 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 2.6.1, update for ITWG is that AEMO's eHub performance test strategy is updated based on internal feedback in past couple of months. It is purely for eHub and is based on the current transactional volumes and does talk to increased transactional volumes and sizes. The document can be sent to the participants in the coming week and this action item will be closed once it is sent.

Alinta enquired if this document will provide details of concurrent volumes of transactions at a specific time rather than for the whole day.

AEMO responded that the eHub performance testing will confirm that the increased volumes and transactions can be handled by eHub. Participants can go through the document once it is sent out and provide feedback.

Origin enquired if the performance testing is planned for eHub only if there are testing planned on MDM and if the test strategy covers all planned testing.

AEMO confirmed that the performance testing is done on the entire solution over multiple cycles. First cycle of the testing is concentrates on eHub. Test strategy covers all cycles but needs to check with the 5MS project to confirm the content that can be shared with participants.

**Action 6.2.1:** AEMO to confirm if internal performance testing will be shared.

Action item 3.4.7, A decision was made on the go-live of Customer Switching project on 31-March-2020 and it is to delay the go-live. There is no confirmed go-live date for this project now and is to be decided at a later point of time. Participants will be given enough notice to prepare and be ready for the resumption.

Action item 4.4.1, AEMO updated that the Industry Testing dates will be discussed in the ITWG 6 and that the pre-prod environment will be available with the 5MS functionalities to support participant testing.

Action item 4.4.2, AEMO updated that the Industry testing dates that needs alignment will be updated accordingly when the test plans are prepared incorporating the changes for 5MS participant testing.

Action item 4.5.1, AEMO updated that the ITWG 6 agenda plans to discuss the scope of Settlements testing and to allow participants to suggest the scope. This should allow to confirm the testing window for Release 4 is adequate.

Action item 4.10.1, Dates for releasing of IT test plans was to be discussed in ITWG 6.

## 3.0 5MS Staging Environment Update – Tui Grant (Slides 4 – 10)

AEMO provided an update of the releases to Staging environment. Release 2 from Dispatch stream have updated the Pricing DDL, APC Manager and Negative Residue Manager. Data models and files were reloaded from Production to resolve some syncing issues encountered. A processing issue is encountered where the files are generated faster than they can be sent out. 5MS project team is working to stabilize so that the participants who wants to perform any testing are not impacted. AEMO informed participants to contact 5MS if they face issues or notice the files are missing.

Settlements has delivered the full solution into Staging except for Prudentials APIs that are due to be deployed in June. As always, participants will be notified of the deployment.

AEMO enquired with participants if their preference on the data loaded for Prudentials in Staging. In the current staging environment, all participants are allocated worth 1 million dollars. AEMO requested

participants to suggest if they are happy to continue with the current allocation or to have the production data loaded or to adjust to another amount.

Origin, SnowyHydro and AGL advised that they are comfortable with the copying of values from production.

**Action 6.3.1:** AEMO to make arrangements to copy over the production data in staging for Prudentials. AEMO enquired if all participants are comfortable with AEMO generating 5-minute settlement invoices in staging.

Origin confirmed that they are comfortable with the 5-minute invoices in staging.

AEMO enquired if the participants would like to see the cut-over invoices and then the 5-minute invoices.

AGL advised that the cut-over option is good from their point of view with 30-minutes invoices and followed by 5-minute invoice.

**Action 6.3.2:** AEMO to simulate the cut-over option for settlement invoices with 30-minutes followed by 5-minutes invoices.

Origin enquired the dates when the UFE data will be available.

AEMO informed that the UFE on invoicing is not yet planned. Now this functionality is not planned to be in staging at all. However, if there are enough participants interested in utilizing the data, then it is possible to be made available later this year. AEMO asked, given that the rule change decision hasn't gone through yet, and with the worst case if it doesn't go through, when would the participants want to access this information? Origin advised that they need to check and respond on this question.

AEMO updated that the Release 2 of Retail functionality will be available in staging from 15-June-2020. Functional scope of the release is explained and mentioned that the release is MDP focused however other participants and access and check the connectivity. Staging will not be available for bi-lateral testing. CATS will be updated in MSATS however the changes will not reflect in AEMO MDM.

AGL enquired when the participants can test the 5-minutes meter read files bi-laterally.

AEMO advised that the testing of 5-minute reads can be performed now however the file size should be within the current limits.

#### **4.0 Impact of proposed Milestone Changes – Tui Grant (Slides 11 - 14)**

AEMO updated ITWG that the go-live date of metering solution has been moved from 07-December-2020 to 09-March-2021. Dispatch and Settlements go-lives hasn't been changed and is on 01-April-2021 as previously planned. Dispatch functionality will be available in Pre-Prod from November 2020 and participants can use the pre-prod for their early development and testing.

AGL enquired about the plan for releasing schema changes into pre-prod or staging.

AEMO updated that r39 schema is supported in staging when the release 2 of Retail is available on 15-June. Participants must contact 5MS to update the schema change. It will be fully available for testing in release 3 in August. The schema will available in pre-prod only in February 2021 when the 5MS changes are deployed for Industry testing.

EnergyAustralia enquired about the ETA for the updated version of the test strategy.

AEMO advised that the updated version can be send out in three weeks' time for review.

#### **5.0 Proposed changes to Participant Testing – Tui Grant (Slides 15 - 21)**

AEMO provided a refresher on the types of market testing and walked through the newly proposed testing approaches for all go-lives.

Dispatch and bidding have Market trials as the current test type whereas it is proposed to be an Industry Testing of the 5-minutes functionality.

Settlements also follows the same approach as Dispatch.

AGL enquired if the schema update is required for testing the Dispatch functionality in pre-prod from November.

AEMO responded that the aseXML schema applies to Retail functionalities only.

Retail release for MDM platform has Market Trials as the current testing type however this is proposed to be Invitation Industry testing. Within weeks of completing the invitation industry testing cycle, the market trials for 5MS will be commencing.

5MS and GS remains as Market Trials as in the current plan.

Energex enquired about the risk of not testing the 5-minute functionality in the invitation industry testing of MDM platform.

AEMO responded that the deferral dates are about making the changes mandatory and there is nothing stopping an MDP in sending 5-minute reads right after go-live of the solution. RWG will work through to confirm the industry agreement and how 5MS approach it. As part of the invitation industry testing, the reception and processing of 5-minute files by AEMO will be tested to ensure that the solution if fit for current production scenarios and future scenarios. However, this may not be applicable to other participants in the testing like an FRMP or a DNSP.

Origin enquired about the types of participants who will be invited for the MDM invitation industry testing. AEMO responded that 5MS will contact most of the MDPs as they are the most affected participant with the go-live of the MDM solution at AEMO. At least couple of participants from each role will be contacted to participate.

PlusES enquired about the level of 5-minute data expected from MDPs for the invitation industry testing. AEMO responded that the initial outcome should prove that the 30-minute functionality works. This would provide a better level of confidence to the market. From there it is based on the MDPs that are ready to send the 5-minute files. Even if none of the MDPs are ready to send a 5-minute file the systems will go-live as planned. MDPs are not expected to generate 5-minute reads on a large volume as the testing is about testing various scenarios.

Origin enquired about the recommended approach for Settlements to which AEMO responded that it is one of the discussion points planned where the participants can suggest what they want to see the systems setup and the data expected to process and produce if the go-live date was brought forward.

AEMO discussed a scenario where Settlements going live before MDM. This allows to test the 30-minutes invoicing from the current MDM and then from the new MDM.

Origin and AGL are in agreement with this approach of testing settlements against both old MDM and new MDM. Also, in agreement for the like for like testing with both MDM using production data.

Alinta enquired why the approach is being changed from Market Trial to Industry Testing.

AEMO clarified that Market Trials is performed for the 5MS commencement. However, the industry testing is proposed to support the system go-live.

AEMO enquired if there is anything that the participants want to see with respect to data or systems in Pre-Prod once the Dispatch functionalities are made available. For example, systems left in transition state for a period and then moved to end state. Stanwell advised that they can get back after discussions with internal teams.

**Action 6.5.1:** Participants to provide feedback on their testing requirements for Dispatch, Settlement and Retail systems in pre-production.

Origin advised that the transition window and end state along with some market scenarios can be useful.

AEMO put forth the scenario where Settlements goes live after MDM go-live and aske participants if would want to test against both old and new MDMs for with Origin and AGL suggested that testing against new MDM is enough.

AEMO requested participants to suggest the setup they would want for Retail testing in Pre-prod. Origin enquired if staging can be enhanced to support early bi-lateral testing or pre-prod can be made available by start of December 2020 to support bi-lateral testing.

AGL enquired to confirm the date when MDM functionality will be available in Pre-prod and if there is any way to make that date earlier. AEMO confirmed that the full MDM functionality will be available from 01-February-2021. AEMO advised that the possibilities will be discussed internally and communicated later. PlusES and AGL advised that an early December dates will be helpful for early bi-lateral testing.

**Action 6.5.2:** AEMO to check with 5MS program to consider options to enable early bi-lateral testing for Retail release.

TasNetworks notified that only 30-minutes are mentioned in the proposed test approach and asked if 5-minutes shouldn't also be included. AEMO responded that it is correct and should include 5-minutes as well. 30-minutes we are talking about is at the Settlement level however both 5 and 30 minutes are accepted from the receipt of data.

TasNetworks also asked if the push reports will be available for testing and AEMO confirmed that all the reports and related functionality will be available in Pre-Prod for testing.

Origin enquired if the standing data updates be available only after the MDM going into Pre-Prod or it can be there before. AEMO advised that it's only after the system is available in Pre-Prod.

## **6.0 Forward Meeting Plan – Tui Grant (Slides 22 - 25)**

AEMO updated that there is a proposal of merging ITWG with RWG and to re-commence separately once it is closer to the Industry Testing. AEMO asked participants if they agree with this proposal. PlusES, Stanwell agreed to this approach.

EA notified that they didn't receive the meeting pack. AEMO will check the recipient list to ensure all participants receive the meeting packs and notes.

Origin advised AEMO to check and ensure that all ITWG attendees that are not part of RWG receive the meeting invites.

**Action 6.6.1:** AEMO to invite ITWG attendees to RWG.

AGL requested to provide examples for the action item to participants on industry testing related suggestions that are expected.

**Action 6.6.2:** AEMO to send the updated meeting pack with examples for the Industry testing related suggestions invited.

Alinta requested for a single-page view of the dates related to 5MS participant testing and go-live. AEMO updated that they will work on providing a single-page view.

**Action 6.6.3:** AEMO to provide a single-page view of the dates related to 5MS participant testing and go-live.

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
6.2.1	Open Actions 2.6.1	AEMO to confirm if internal performance testing will be shared.	AEMO	15-Jun-2020
6.3.1	Settlements - Next steps in 5MS Staging Environment	AEMO to make arrangements to copy over the production data in staging for Prudentials.	AEMO	08-Jun-2020
6.3.2	Settlements - Next steps in 5MS Staging Environment	AEMO to simulate the cut-over option for settlement invoices with 30-minutes followed by 5-minutes invoices.	AEMO	08-Jun-2020
6.5.1	Proposed changes to Participant Testing	Participants to provide feedback on their testing requirements for Dispatch, Settlement and Retail systems in pre-production.	Participants	19-Jun-2020
6.5.2	Proposed changes to Participant Testing	AEMO to check with 5MS program to consider options to enable early bi-lateral testing for Retail release.	AEMO	19-Jun-2020
6.6.1	Forward Meeting Plan	AEMO to invite ITWG attendees to RWG.	AEMO	15-Jun-2020
6.6.2	Forward Meeting Plan	AEMO to send the updated meeting pack with examples for the Industry testing related suggestions invited.	AEMO	03-Jun-2020
6.6.3	Forward Meeting Plan	AEMO to provide a single-page view of the dates related to 5MS participant testing and go-live.	AEMO	15-Jun-2020