5MS Industry Testing Working Group #3

Wednesday, 26 February 2020 10:00 – 12:00AM (AEDT)

By Webex

Agenda

No.	Time (AEDT)	Agenda item	Presenter
Preliminary matters			
1	10:00 – 10:10	Welcome	Tui Grant
2	10:10 – 10:20	Open Action Items	Tui Grant
3	10:20 – 10:25	B2M APIs	Tui Grant
	10:25 – 10:30	Release 1: Reallocations	Tui Grant
4	10:30 – 11:00	Release 3: MDM	Tui Grant
Matters for discussion			
5	11:10 – 11:20	Global Settlement Testing Timeline	Tui Grant
6	11:20 – 11.40	March Staging Release for Settlements	Tui Grant
7	11:40 – 12.00	Forward Meeting Plan	Tui Grant

Open actions

Item	Action required	Responsible	Action update	By
2.5.1	AEMO to provide test plans for Release 3 and 4 detailing the scope as understood at this point.	AEMO	Release 3 scope will be presented in ITWG#3 and Release 4 in ITWG#4.	25-Mar-2020
2.6.1	AEMO to provide performance test strategy timelines in ITWG #3	AEMO	Timelines will not available until ITWG#4	25-Mar-2020
2.6.2	AEMO to confirm which program implements the aseXML schema upgrade.	AEMO	Discussion in ITWG#3	26-Feb-2020

B2M APIs

Tui Grant

Level 2 Milestones Exceptions (External)

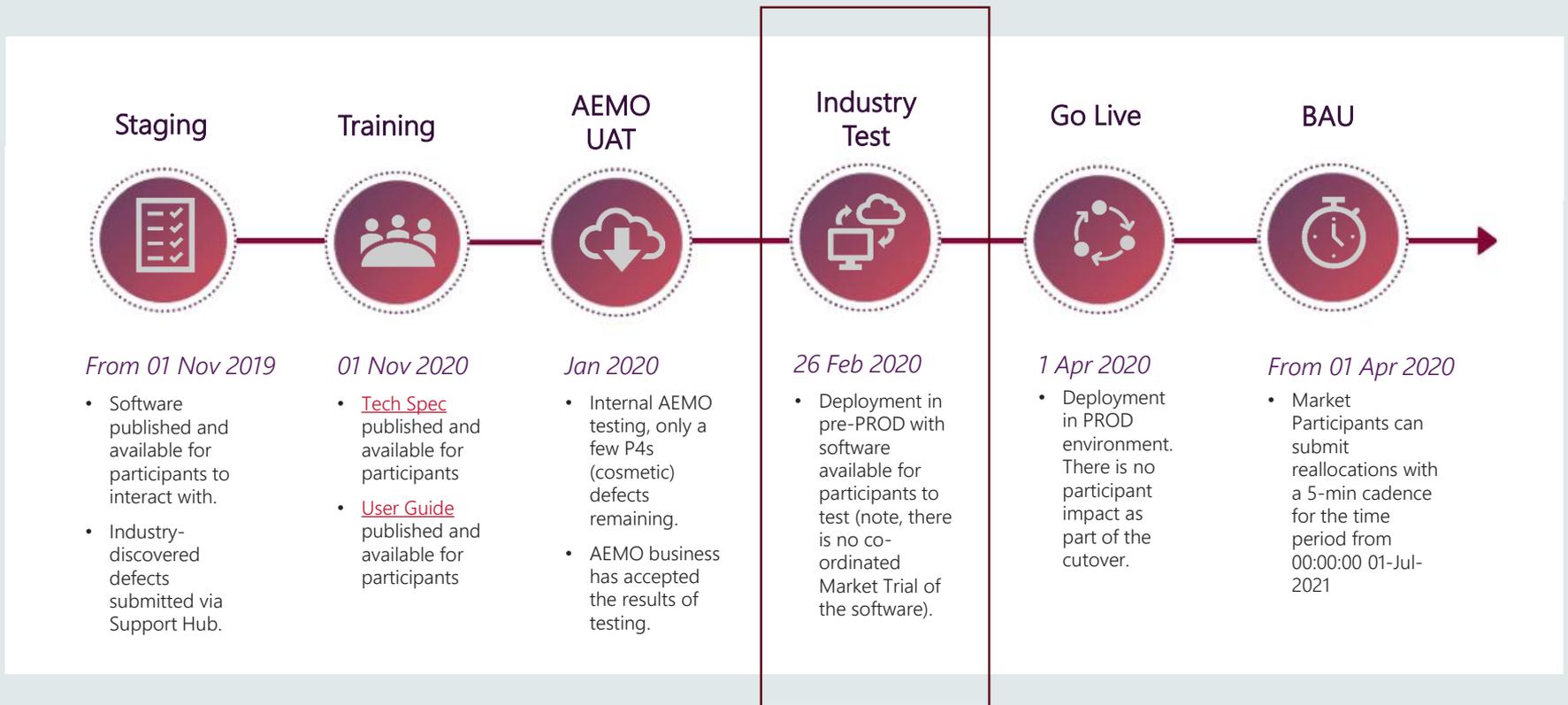<u>Impact Assessment Required*:</u> Participants to provide feedback by Friday 21 February of internal program impacts

ID	Stream	Milestone	Planned Date	Expected Date	%	Comments
New L2-M14	Metering	B2M via API Go Live	17-Mar-20	07-Dec-20	70%	AEMO has experienced delays establishing the MarketNet link to AEMOs new API Gateway in conjunction with the legacy SMP e-Hub API Gateway. AEMO proposes a new go-live date of 07-Dec-2020 which will align with the Milestone of the 30-min Metering solution go-live. This will allow time saving on additional testing, deployment and cutover activities required with two separate go-lives. Initially AEMO targeted a phased deployment from this activity, but due to the delay, advantages gained by this approach are minimal. Feedback received so far from market participants is that there is minimal advantage deploying this early (due to the low number of participants using the software). Presented to PCF 4 Feb.

<u>*Slide is as presented to the PCF, note the proposal on slide 26</u>

Release 1 - Reallocations

Tui Grant

Release 1: Reallocations

Staging

From 01 Nov 2019

- Software published and available for participants to interact with.
- Industry-discovered defects submitted via Support Hub.

Training

01 Nov 2020

- Tech Spec published and available for participants
- User Guide published and available for participants

AEMO UAT

Jan 2020

- Internal AEMO testing, only a few P4s (cosmetic) defects remaining.
- AEMO business has accepted the results of testing.

Industry Test

26 Feb 2020

- Deployment in pre-PROD with software available for participants to test (note, there is no co-ordinated Market Trial of the software).

Go Live

1 Apr 2020

- Deployment in PROD environment. There is no participant impact as part of the cutover.

BAU

From 01 Apr 2020

- Market Participants can submit reallocations with a 5-min cadence for the time period from 00:00:00 01-Jul-2021

Release 3 - MDM

Tui Grant

Release 3 – Industry Test Strategy Scope

MDM Platform	
Affected participants	Metering Data Providers
Description	B2M MTRD and MDMT transactions and capability for submission of MDFF files for metering data submitted at 5 minute granularity, along with the introduction of the upgraded MDM platform operating in support of the existing 30 minute settlement market
Test objective/s	Operation of the upgraded MDM platform in line with the current 30 minute settlement market

Verification of B2B MDFF reads in 30, 15 and 5 minute format.

Verification of B2M MDFF reads in 30, 15 and 5 minute format

Verification of B2M MDMF reads.

Validate the RM reports

Validate the new meter enquiry screens |
| Test type | Market Trial with coordinated test cases between participants and AEMO |
| Timeframe | Initial MDM release into staging environment from 01 December 2019

Test phase commences: 22 October 2020

Test phase finishes: 01 December 2020 |

Back to Agenda

Release 3 – MDM Functionality

In Release 3, 5MS Program will enable the following functional capabilities. Scope of Market Trials will be determined in the test planning workshops, this is simply an indication of the release scope.

- Meter data load transactions to NEMMCO

- Response from NEMMCO for meter data transactions

- MSATS browser changes to support meter data load and metering search

- RM and PMS reports

- Vic TUoS

- File size changes

Release 3 – MDM Meter Data Load

MDPs will be able to send existing MDMT transactions to NEMMCO.
- MDMT transactions can be send for both interval and consumption meter reads.

MDPs will be able to send MTRD transactions to NEMMCO.
- MTRD transactions can be sent for both interval and consumption meter reads.
- MTRD transactions for interval meters can be sent in 30, 15 and 5 minutes increments.

MDPs will be able to send MDMT and MTRD transactions to NEMMCO via:
- FTP
- API
- Via the MSATS browser upload screen

Release 3 – MDM Meter Data Responses

- NEMMCO will send a Message Acknowledgement and Transaction Acknowledgement for the submitted MDMT and MTRD.

- MDPs will be able to receive MDMT and MTRD response transactions from NEMMCO via:
    - FTP
    - API

- NEMMCO will continue to send a Meter Data Response transaction for the submitted MDMT.

- NEMMCO will send a hub acknowledgement (.ac1) for the MTRD transactions received.

- Validation errors will be sent to MDP's in the transaction acknowledgement. MTRD transactions

- Change to the quality flag will see the N (Null where no Metering Data exists) will no longer be accepted.

Back to Agenda

Release 3 – MDM MSATS Browser

The MSATS screens related to meter data will be updated to retrieve data from the new MDM

- Metering Data Search screen will be enhanced to support and displaying meter reads from MTRD transactions as well as MTMD.

- MSATS screens used to request metering reports will now retrieve data from the new MDM

- MSATS functional changes to support MTRD and MDMT file upload via browser.

Back to Agenda

Release 3 – MDM RM Reports

- Existing reports updated to reflect meter reads at intervals of 5, 15, 30 minutes.

- Existing reports updated to reflect settlement intervals 5 or 30 minutes.

- New meter missing data and unknown data/mismatch reports will be available for participants

- New UFE reports will be available

- Delivery of meter data reports will be automated to MDP's

Note: Tier 1 meter data will now be delivered to NEMMCO and included on reports.

AEMO
AUSTRALIAN ENERGY MARKET OPERATOR

Back to Agenda

Release 3 – MDM TUoS

- Currently receive MDFF file for VicTUoS calculation, the same file will be used for settlements.

- Change to delivery of MDFF file from VPXP to NEMMCO

- Update required to the NMI Data Stream Type to identify datastreams used in settlement process

  - Eg.   From B = 1, E = 2, K = 3, Q = 4
           To B = I, E = I, K = N, Q = N
      I = interval used in settlements
      N = not used in settlements

AEMO
AUSTRALIAN ENERGY MARKET OPERATOR

Back to Agenda

Release 3 – MDM Files Size Changes

- For the MTRD transaction type to NEMMCO can be up to 10MB in size.

    - MTRD uncompressed file size to be a maximum of 10 MB

    - An MTRD must not contain more then 1000 bundled transactions i.e. one MTRD PMD file > one message > max 1000 transactions

- Report results may include multiple messages to provide full request results. (participants will no longer need to send multiple requests to retrieve full results).

- FTP and API requests for metering reports will provide a x of y number for the report results (e.g. 1 of 2, 2of 2), as part of the new aseXML schema.

- Note: File size for MDMT will remain at 1MB.

Discussion on changing the Global Settlement Industry Testing Date

Tui Grant

Considerations affecting timelines

- At the previous ITWG, Participants raised the proposal to move the Industry Test date for Global Settlements

- Points for discussion in relation to moving the test window for Global Settlements:

  - What do you believe Global Settlement testing will involve?

  - What level of reconciliation can a Market Trial practically achieve?

  - What data needs to be in the "to be" state to enable market testing?

  - How long, how many cycles would you require?

AEMO
AUSTRALIAN ENERGY MARKET OPERATOR
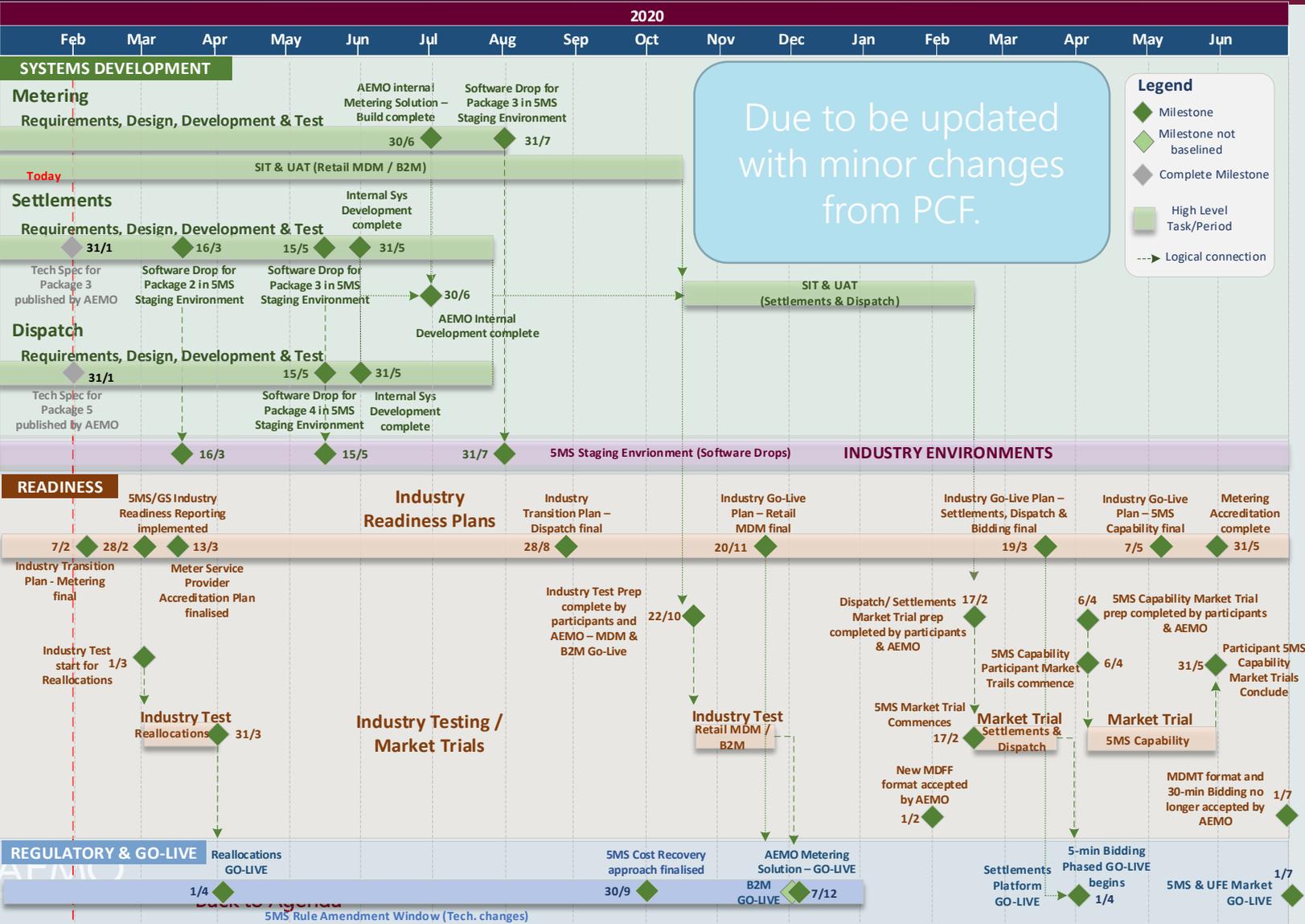
March Staging Release

Tui Grant

Settlements

- Settlements Package 2 is due to be deployed in the 5MS Staging Environment 16 March 2020.

- The initial deployment will be configured for 30-minute settlement only, with transition to 5-minute trading intervals and Global Settlement to follow.

- The functions being made available are:
    - Prelim, Final, and Revision Settlements
    - Invoicing (Tax Invoice, RCTI, Adjustment Note, etc)
    - Reconciliation reports (SR, SS, etc)
    - Data Interchange
    - Settlements Direct (Production version, no API's)

- The environment will initially use a data snapshot from the EMMS Production system, to be taken in early February 2020. Integration with the Dispatch and Reallocations staging environment will not initially be on offer.

- 5-minute metering and UFE data will be artificially created for the staging environment.

5MS Program Timeline (Jan '20 to Jul '21)
Level 1 and External Level 2 Milestones

DRAFT sent to PCF 7 Feb 2020

Forward meeting plan

Tui Grant

Upcoming meetings

https://aemo.com.au/initiatives/major-programs/nem-five-minute-settlement-program-and-global-settlement

Current as at 29/01/2020

FEBRUARY

Su	Mo	Tu	We	Th	Fr	Sa
26	27	28	29	30	31	1
2	3	4	5	6	7	8
9	10	11	12	13	14	15
16	17	18	19	20	21	22
23	24	25	26	27	28	29
1	2	3	4	5	6	7

MARCH

Su	Mo	Tu	We	Th	Fr	Sa
1	2	3	4	5	6	7
8	9	10	11	12	13	14
15	16	17	18	19	20	21
22	23	24	25	26	27	28
29	30	31	1	2	3	4
5	6	7	8	9	10	11

APRIL

Su	Mo	Tu	We	Th	Fr	Sa
29	30	31	1	2	3	4
5	6	7	8	9	10	11
12	13	14	15	16	17	18
19	20	21	22	23	24	25
26	27	28	29	30	1	2
3	4	5	6	7	8	9

Forums/Working Groups

- Executive (EF)
- Program Consult. (PCF)
- Procedures (PWG)
- Systems (SWG)
- Readiness (RWG)
- Industry Testing (ITWG)

Focus Groups

- Dispatch
- Metering
- Settlements
- Transition
- Industry Testing
- Reconciliation
- Contingency

Other

- Information sessions
- General Q&A session
- National Public Holiday
- State Public Holiday*

Proposed upcoming ITWG meeting content

Date	Meeting	Proposed content
Wed 25 Mar 2020	ITWG #4	• Testing scope of Release 4
Wed 29 Apr 2020	ITWG #5	• Topics TBA

If you have any suggested agenda topics, please contact 5MS@aemo.com.au

Back to Agenda