NEM Reform Industry Testing Working Group

Meeting #3
30 March 2023

1. Welcome

We acknowledge the Traditional Owners of country throughout Australia and recognise their continuing connection to land, waters and culture.

We pay respect to their Elders past, present and emerging.

Agenda

#	Time	Topic	Presenter(s)
1	10:30-10:35am	**Welcome**	Greg Minney (AEMO)
2	10:35-10:45am	**Actions & Feedback from Previous Meeting**	Greg Minney (AEMO)
3	10:45-10:50am	**ITWG Terms of Reference**	Greg Minney (AEMO)
4	10:50-10:55am	**Invitation Testing (May)**	Greg Minney (AEMO)
5	10:55-11:00	**Confirm Refresh Dates**	Greg Minney (AEMO)
6	11:00-11:20am	**Q3 – Q4 Testing Windows**	Greg Minney (AEMO)
7	11:20-11:25am	**Upcoming Engagements**	Lenard Bayne (AEMO)
8	11:25-11:30am	**General Questions and Other Business**	Greg Minney (AEMO)

Appendix A: Competition law meeting protocol
Appendix B: Industry Testing Approaches

"Please note that this meeting will be recorded by AEMO and may be accessed and used by AEMO for the purpose of compiling minutes. By attending the meeting, you consent to AEMO recording the meeting and using the record for this purpose. No other recording of the meeting is permitted"

2. Actions & Feedback from Previous Meeting

Actions & Feedback from Previous Meeting

(Ref: Item = Meeting number/Agenda item number/Ref)

#	Topic	Action	Responsible	Status
2.3.0.1	March Release Update	AEMO to confirm when SGA can commence registration in PreProd.	AEMO	Confirmed as the 31st March
2.4.0.1	Industry Testing (May)	AEMO to add shared fuse notification to the May 2023 testing schedule.	AEMO	Closed
2.4.0.2	Testing	AEMO to publish and outline the remaining year for the plan on a page. In addition, include FFR, MSDR and MT PASA.	AEMO	Closed – Refer to agenda item 6
2.5.0.1	Confirm Refresh Dates	AEMO to confirm the date of the data for MSATS in March 2023.	AEMO	Closed – refer slide 12
2.7.0.1	General Questions and Other Business	AEMO to issue invites for Q&A sessions for the duration of the testing periods.	AEMO	Pending

3. ITWG Terms of Reference

4. Invitation Testing (May)

SAPS Invitation Testing

Only two participants have expressed interest in testing SAPS functionality ahead of the May go live. I will be organising meetings with these participants and share the plan in the up coming ITWG meetings.

- AGL
- Ausgrid

Suggested Testing for the May 2023 Release.

Initial meeting held on 21 March 2023. Follow up meeting to occur shortly.

Q&A sessions will be held during the Pre Production testing period to support any participants testing and requiring assistance and track the invitation testing progress
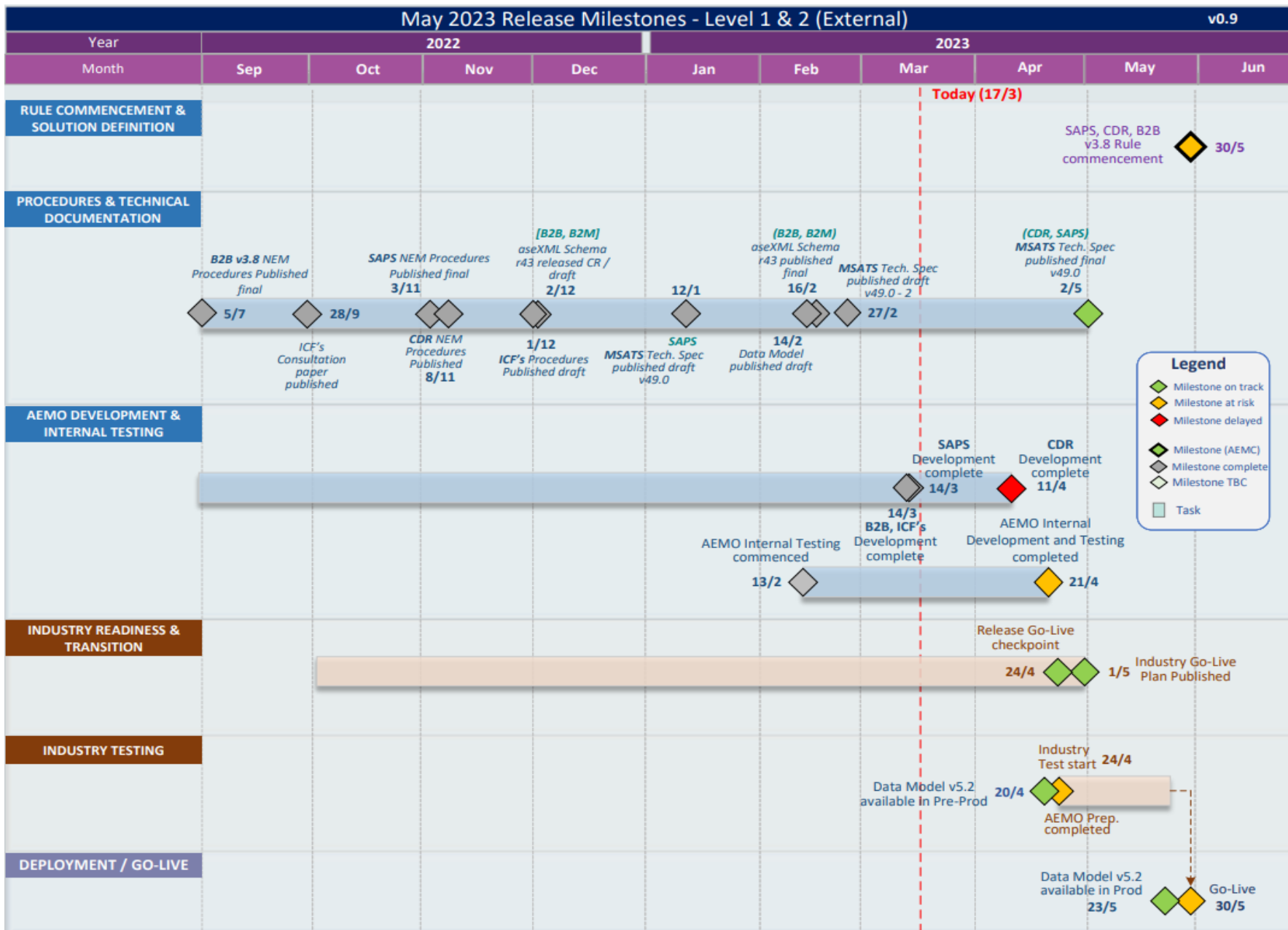
Industry Testing

Suggested Tests	Participants
C1 updates – additional tables available for participants	ALL
B2B Schema r43	ALL
Shared Fuse Notifications	ALL
B2M Schema r43	ALL
'House Number To Suffix' is a part of the Australian structured address standards.	ALL
Updating Network Tariff for a Greenfield NMI	ALL
Allow ENMs visibility to parent NMI standing data	ALL
Extend the current 130 business day limitation on NMID3 requests.	ALL
New field and CR 5056/5057 – Last consumer change date (LCCD)	FRMP
Verify changes to child NMI standing data	ALL
Change to CR3101 to validate greenfield site network tariff code	LNSP
Verify NMI discovery change to type 3 discovery (130 business days)	FRMPS
Verify additional validations to CR's as part of SAPS	LNSP/FRMP
Data Model changes	

Invitation Testing

Suggested Tests	Participants
Invitation for interested parties to verify SAPS set up	MSRP/FRMP/LNSP
Verify additional validations to CR's as part of SAPS	LNSP/FRMP
Settlement run for SAPS (if interest is high enough)	LNSP/FRMP/MSRP

Milestone Review

May 2023 Release Milestones - Level 1 & 2 (External) — v0.9

Release Commentary

- May Release is rated AMBER due to progress with SAPS Internal Testing, and Performance updates to CDR
- AEMO will overlap some internal test phases in lead up to Industry Test
- Industry Test for May still scheduled to commence as planned. Scope and Approach being addressed with ITWG
- In line with Readiness Approach - checkpoint for go-live readiness in line with Industry Test Commencement
- LCCD procedure effective date proposed to be shifted to 1 November 2023
- Update to the MSATS v49.0 tech spec draft published W/B 27/2/23.
- ITWG meeting 30/3 with focus on the scope of Industry/Invitation testing for May release, Draft may go-live plan to be issued 5th April. aseXML schema r43 will support both B2M and B2B changes
- Revision to EMMS Data model v5.2 specification released 21/3 to address noted inconsistencies

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5. Confirm Refresh Dates

Pre Production Refresh

Updated

- The refresh for Pre Production is confirmed for the week commencing the 11th April and will refresh both wholesale data and retail data.

- The environment will be available on Monday the 17th April for industry to start preparing for testing

- The targeted back date for the refreshed data will 3rd April for the wholesale database, retail will have data as at the 10th April.

Pre-prod Refresh update

- AEMO is currently experiencing a temporary level of technical and resourcing contention across the non-production environments including the NEM Reform program.

- The impact is that the planned refresh of the Retail pre-prod environment (MSATS) would likely now require an outage of approx. 3 weeks rather than the 1 week as originally scheduled.

- The primary reason for performing the refresh in lead up to May industry testing is to support Settlement run production for SAPS invitation Industry Testing.

- Given the to-date limited level of Settlement specific scenarios identified for this round of testing versus the impact of extended Pre-Prod outage and therefore likely reduction in the Industry Test window - AEMO plans to defer this refresh until the Industry Testing for the October release – where significant Settlement scenarios will exist to support both FFR and 5MLP testing.

- Testing of all other capabilities for May will be supported with the current Pre-Prod environment.

6. Q3 and Q4 2023

Pre-Production project timeframes

	1-Jul	2-Jul	3-Jul	4-Jul	5-Jul	6-Jul	7-Jul	8-Jul	9-Jul	10-Jul	11-Jul	12-Jul	13-Jul	14-Jul	15-Jul	16-Jul	17-Jul	18-Jul	19-Jul	20-Jul	21-Jul	22-Jul	23-Jul	24-Jul	25-Jul	26-Jul	27-Jul	28-Jul	29-Jul	30-Jul	31-Jul	1-Aug	2-Aug	3-Aug	4-Aug	5-Aug	6-Aug	7-Aug	8-Aug	9-Aug	10-Aug	11-Aug	12-Aug	13-Aug	14-Aug	15-Aug	16-Aug	17-Aug	18-Aug	19-Aug	20-Aug	21-Aug	22-Aug	23-Aug	24-Aug	25-Aug	26-Aug	27-Aug	28-Aug	29-Aug	30-Aug	31-Aug	1-Sep	2-Sep	3-Sep	4-Sep	5-Sep	6-Sep

ADC - Aggrigated Dispatch Conformance - IESS ◆ Industry Testing

MT PASA ◆ Industry Testing

FFR - Fast Frequency Response ◆ Code only to commence data population of new fields ◆ Industry Testing

5MLP ◆ Industry Testing

	8-Oct	9-Oct	10-Oct	11-Oct	12-Oct	13-Oct	140ct	15-Oct	16-Oct	17-Oct	18-Oct	19-Oct	20-Oct	21-Oct	22-Oct	23-Oct	24-Oct	25-Oct	26-Oct	27-Oct	28-Oct	29-Oct	30-Oct	31-Oct	1-Nov	2-Nov	3-Nov	4-Nov	5-Nov	6-Nov	7-Nov	8-Nov	9-Nov	10-Nov	11-Nov	12-Nov	13-Nov	14-Nov	15-Nov	16-Nov	17-Nov	18-Nov	19-Nov	20-Nov	21-Nov	22-Nov	23-Nov	24-Nov	25-Nov	26-Nov	27-Nov	28-Nov	29-Nov	30-Nov

Metering Exemptions T B A

CDR T B A

Suggested Testing for Q3 and Q4 Releases.

Projects	Suggested Testing
ADC - Aggregated Dispatch Conformance - IESS	Assist any participant who want to industry test with AEMO May include Invitation testing for certain impacted participant scenarios
MT PASA	Scheduled generators can use additional fields on screen and via FTP
	Scheduled generators can use submit via API
	Scheduled generators can see the changes in the data model
	NEM Report changes to accommodate new fields
FFR - Fast Frequency Response	Register to provide the new very fast FCAS service
	Verify offer in new FFR format for FCAS
	Existing FCAS participants not transition to FFR can regression test offer functionality
	Settlement changes for generators and load market customers showing recovery calculations for the new service
	Settlement reports and data model will reflect the additional information
5MLP	Settlement run in support of changes to the profiling of 15 and 30 minute meters to reflect updated profiling methodology
Metering Exemptions	TBA
CDR	TBA

7. Upcoming Engagements

Upcoming Engagements

April

S	M	T	W	T	F	S
1	2	3	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						

May

S	M	T	W	T	F	S
	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			

June

S	M	T	W	T	F	S
				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	

July

S	M	T	W	T	F	S
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				

Legend

Program forums
- NEM2025 Program Consultative Forum
- Reform Delivery Committee
- Refrom Delivery Committee - Collab W.
- Implementation Forum
- Electricity Wholesale Consultative Forum
- Electricity Retail Consultative Forum
- Industry Testing Working Group
- AEMO Consumer Forum
- All Stakeholder NEM Reform and Roadmap briefing

Inititiative specific meetings
- NEM Reform Foundational and Strategic initiatives

Other
- National Public Holiday
- State/Territory Public Holiday
- NEM Reform Program General Stakeholder & Roadmap Briefing

To learn more about these events, please visit AEMO's Industry meeting calendar or contact the program at NEM2025@aemo.com.au.

8. General Questions and Other Business

NEM2025@aemo.com.au

[NEM2025 Industry Testing Working Group](#)

Appendix A:
Competition law meeting protocol

AEMO Competition Law - Meeting Protocol

AEMO is committed to complying with all applicable laws, including the Competition and Consumer Act 2010 (CCA). In any dealings with AEMO regarding proposed reforms or other initiatives, all participants agree to adhere to the CCA at all times and to comply with this Protocol. Participants must arrange for their representatives to be briefed on competition law risks and obligations.

Participants in AEMO discussions **must**:

- Ensure that discussions are limited to the matters contemplated by the agenda for the discussion

- Make independent and unilateral decisions about their commercial positions and approach in relation to the matters under discussion with AEMO

- Immediately and clearly raise an objection with AEMO or the Chair of the meeting if a matter is discussed that the participant is concerned may give rise to competition law risks or a breach of this Protocol

Participants in AEMO meetings **must not** discuss or agree on the following topics:

- Which customers they will supply or market to

- The price or other terms at which Participants will supply

- Bids or tenders, including the nature of a bid that a Participant intends to make or whether the Participant will participate in the bid

- Which suppliers Participants will acquire from (or the price or other terms on which they acquire goods or services)

- Refusing to supply a person or company access to any products, services or inputs they require

Under no circumstances must Participants share Competitively Sensitive Information. Competitively Sensitive Information means confidential information relating to a Participant which if disclosed to a competitor could affect its current or future commercial strategies, such as pricing information, customer terms and conditions, supply terms and conditions, sales, marketing or procurement strategies, product development, margins, costs, capacity or production planning.

Appendix B:
Industry Testing Approaches

Approaches to Industry Testing

AEMO provides opportunity for Industry participants to test their updated systems and processes prior to release of AEMO updates into production.

The approach to the level of co-ordination, integrated planning and scenario management that is provided is dependant on a number of factors including:
- Impact to end-to-end participant process flows
- Ability of impacted participants to successfully test changes without AEMO or other participant co-ordinated activity
- Number and range of participants impacted by release

The approaches to Industry testing are described as:

Type of market testing	Description	Example
Industry testing	Self-testing of functionality such as connectivity, and/or coordinated multi-party testing of functional scenarios	Testing a change request (CR) or processing a reallocation or bid submission
Invitation industry testing	Coordinated testing of business process scenarios with a select number or subset of participants with systems ready for testing.	Testing NMI transfer Process
Market trials	Coordinated multi-party end-to-end testing of business process scenarios	Meter exchange involving CRs, service orders and 5-minute meter reads

In all cases involvement in testing is voluntary on participants behalf.

Agreement on approach to the type of industry testing for a release is conducted through the Implementation forum and Industry Test Focus Group along with support arrangements during the test period.

For more information visit

aemo.com.au