

NEM Reform Industry Testing Working Group

Meeting #4
27 April 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
1	10:30-10:35am	Welcome	Greg Minney
2	10:35-10:40am	Actions & Feedback from Previous Meeting	Greg Minney
3	10:40-11:00am	Invitation Testing (May) <ul style="list-style-type: none">• Release Update & Timings	Greg Minney
4	11:00-11:10am	Confirm Refresh Dates	Greg Minney
5	11:10-11:20am	Q3 – Q4 Testing Windows	Greg Minney
6	11:20-11:25am	Upcoming Engagements	Lenard Bayne
7	11:25-11:30am	General Questions and Other Business	Greg Minney

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)

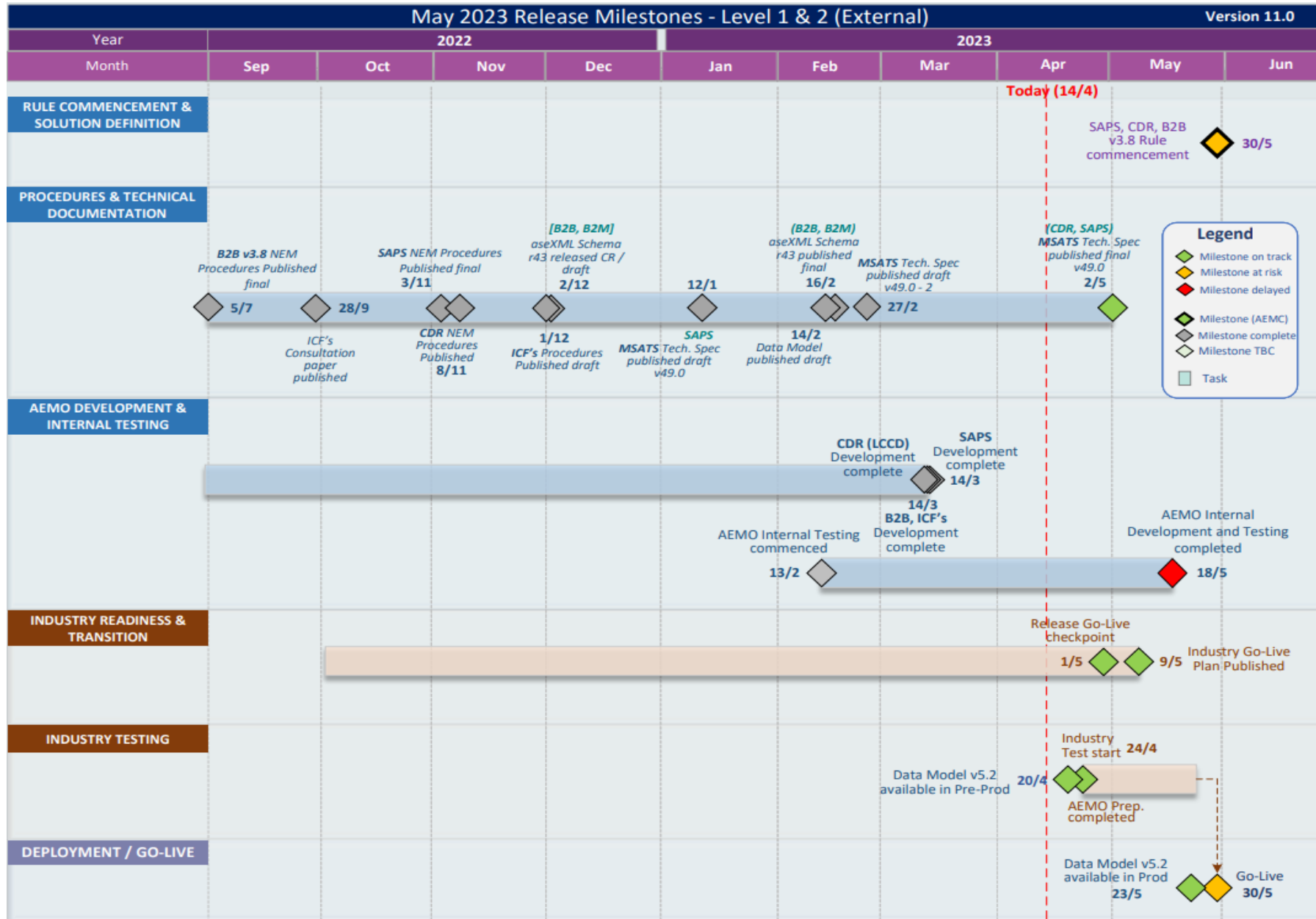
#	Topic	Action	Responsible	Status
3.4.0.1	Invitation Testing (May)	Setup of test workbook	AEMO	Open
3.7.0.1	General Questions and Other Business	AEMO to issue invites for Q&A session for the duration of the testing periods.	AEMO	Closed

3. Invitation Testing (May)

Milestone Review

May 2023 Release Milestones - Level 1 & 2 (External)

Version 11.0



Release Commentary

- May Release is rated Red due to progress with SAPS Internal Testing
- Industry Test for May still scheduled to commence as planned.
- Invitation Industry Test for SAPS will not include settlement run as pre-prod data refresh has been deferred
- Draft Industry Go Live plan issued, final version due 9/5
- EMMS Data Model 5.2 deployed to pre-prod 20/4
- Go-live commitment 1/5 with Contingency approaches identified
- Implementation Forum scheduled for 3/5 for briefing on go-live decision

May Release Deployments

- EMMS Data Model 5.2 – Deployed to Pre-Prod – 20/4
 - Includes updates to data model to support SAPS settlement changes
- Wholesale Release - scheduled 27th May
- Retail Release - Scheduled 2nd May
 - Includes r43 Schema
- “Procedure Effective Date” – 4th May
 - Equivalent timing to 30 May effective date

May Release Go Live Criteria Check Point

Initiative	Criteria	Participant Readiness	Current Status 14/4
SAPS	Solution supports SAPS processing and no regression to current NEM settlement process, (Disclosure of Defects to be addressed in Industry Test Period) AEMO Business Ready to Support	Optional adoption, no pre-requisite participant activity	RED AEMO testing Late, potential for UAT to overlap Industry testing
CDR (LCCD)	AEMO Solution Tested to procedures (Disclosure of Defects to be addressed in Industry Test Period)	No pre-requisite participant activity. November 23 procedural obligation (as per consultation)	Consultation to consider 1 November Procedure Effective Date. LCCD will not be populated until effective date.
B2B 3.8, ICF's, r43 Schema Release	AEMO Solution Tested to procedures (Disclosure of Defects to be addressed in Industry Test Period)	Individual Participant readiness to meet procedural requirements. Individual Participant readiness will not impact go live	Internal Testing on track.

May Release Contingency Options

May Release testing Components	Test completion
1	“Non SAPS” components – required for B2B, r43 Schema, LCCD
2	NEM Settlement with No SAPS activated
3	SAPS capability progression Non SAPS components plus all capability to support SAPS

At 1/5 checkpoint

May Release Scenario	Scenario	Approach and Implications
A	1,2 & 3 Successfully completed	All Components of May Release available for Industry testing and 30 May commencement. SAPS establishment and activation commence.
B	1&2 only successfully completed	“Non SAPS” components ready for Industry testing and 30 May commencement. AEMO to co-ordinate directly with intending SAPS participants on timing for pre go live testing and SAPS Activation
C	1 & 2 not Successfully completed	May release deferred, AEMO to advise rescheduled for Industry testing and Go-Live

Implications for Industry Testing

- Retail Software Deployment planned for 2 May
 - Will proceed as planned unless Scenario C occurs
- Scenario A = All Capability available for Testing
- Scenario B
 - All Non-SAPS capability (e.g. r43 Schema) available
 - AEMO to work with those companies identified for Invitation testing to agree timing on capability available to support SAPS transition

Suggested Testing for the May 2023 Release

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

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	

4. Confirm Refresh Dates

Pre-prod Refresh update

- AEMO is currently replanning timing for refresh to support September and October releases
- Will advise planned dates as soon as available to assist participant planning

5. Q3 and Q4 Testing Windows

Pre-Production project timeframes



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



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 – Likely Aligned with November effective date
CDR – including LCCD	TBA – Likely aligned with November effective date

6. Upcoming Engagements

Upcoming Engagements

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					

August						
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		

NEM Reform Program Forums
Program Consultative Forum
Reform Delivery Committee
Reform Delivery Committee - Collab W.
Implementation Forum
Electricity Wholesale Consultative Forum
Electricity Retail Consultative Forum
Industry Testing Working Group
AEMO Consumer Forum
Placeholder - Executive Forum
NEM Reform General Stakeholder Briefing & Implementation Roadmap Briefing
Initiative Specific Meetings
NEM Reform Foundational and Strategic initiatives
May Go-Live Criteria
Other
National Public Holiday
State/Territory Public Holiday

To learn more about these events, please visit AEMO's [Industry meeting calendar](#) or contact the program at NEMReform@aemo.com.au.

8. General Questions and Other Business



NEM2025@aemo.com.au



[NEM Reform 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