

NEM Reform Implementation Forum

Meeting #17
28 November 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	1:00–1:05pm	Welcome	Greg Minney
2	1:05–1:10pm	Actions & Feedback from Previous Meeting	Greg Minney
3	1:10–1:20pm	2024 / 2025 Release Summary	Greg Minney
4	1:30–1:40pm	November 2023 Release • Post Go Live Wrap	Chris Fleming
5	1:40–1:50pm	March 2024 release • Progress Update • Industry Testing / aseXML schema release, Go Live Prep	Chris Fleming
6	1:50–2:00pm	June 2024 Release • Release update / milestone review • Go-Live Checkpoint Summary • Industry Readiness update • Market Trial Planning - providing feedback	Greg Minney Greg Minney Ulrika Lindholm Greg Minney

#	Time	Topic	Presenter
7	2:00-2:15pm	September 2024 Release • Retail Improvements	Greg Minney
8	2:15-2:20pm	December 2024 Release / June 2025 FPP Release • Progress Summary • High level design issue and feedback sought	Oliver Derum
9	N/A	Other Initiatives • IDAM,IDX & Portal Consolidation (For Noting)	Greg Minney
10	2:20-2:40pm	Upcoming Engagements • 2024 Schedule of sessions	Lenard Bayne
11	2:40–3:00pm	General Questions & Other Business	Greg Minney

Appendix A:
Competition law meeting protocol and AEMO forum expectations

“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

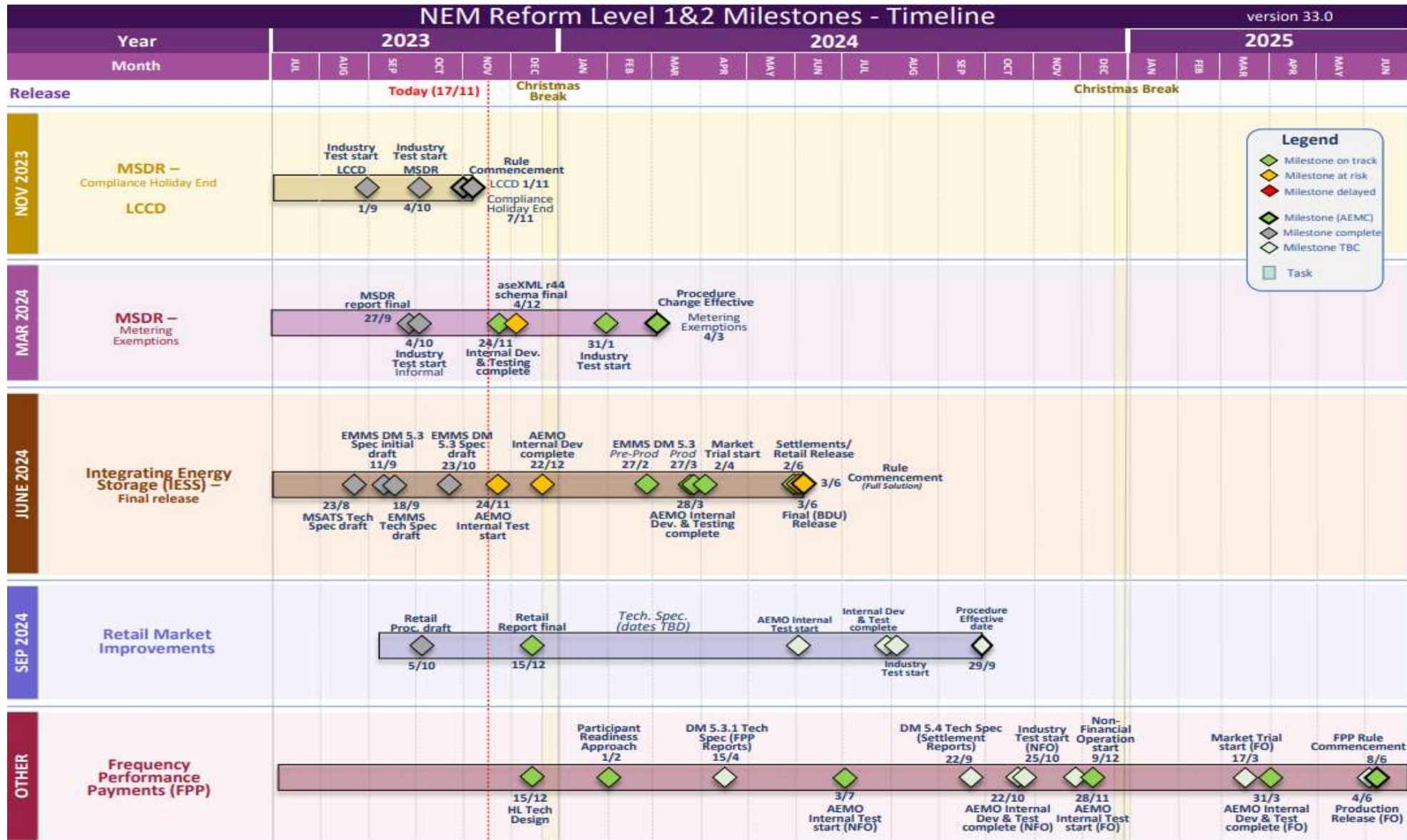
(Item = Meeting # – Agenda # – Reference)

Item	Topic	Action	Responsible	Status
16.5.0.1	November 2023 Release	AEMO to assess the volume of NMIs without a structured address in MSATS and consider LNSP reporting	AEMO	Open

The latest meeting minutes and materials are available on the [Implementation Forum](#) webpage.

3. 2024 / 2025 Release Summary

Release Summary milestones



4. November 2023 Release



November Release Review

Chris Fleming

MSDR Update

- MSDR November Release changes are now live in production and there are no outstanding issues
 - Changes relate to the compliance holiday ending for some MSATS Standing Data attributes and removal of UnstructuredAddress in NMI Discovery, CATS/MSATS C4 & C7 reports and the MSATS Snapshot Report.

LCCD Update

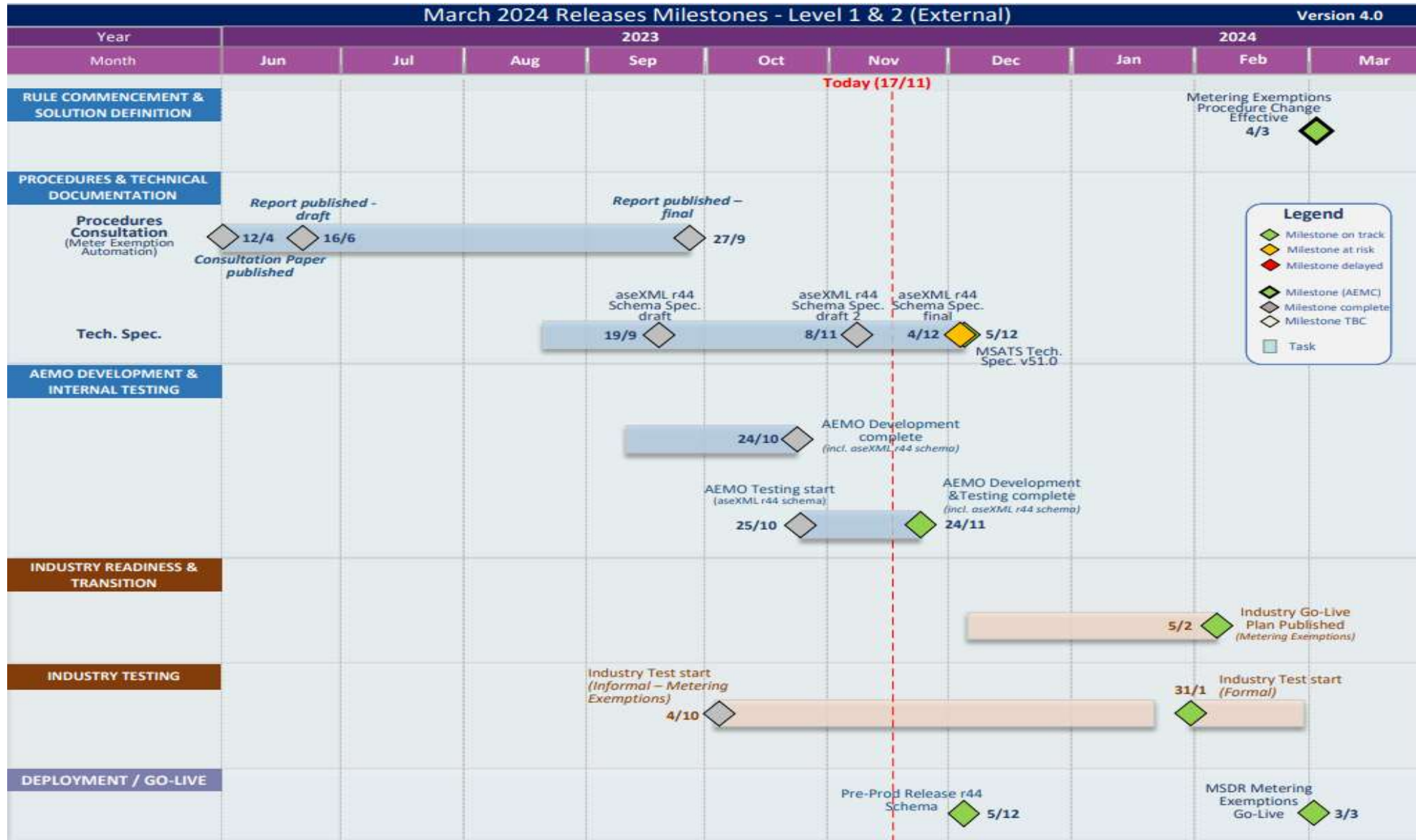
- MSATS LCCD obligations commenced on 1/11/2023
- 2 issues raised and are under investigation
 - Completion of a CR 1030 is populating the LCCD field with the Proposed Date instead of the Actual Change date.
 - Validation required to confirm if current FRMP is still the FRMP on completion of CR5057.

5. March 2024 Release

Metering Exemptions Automation

- Draft version of r44 B2M Schema published for consultation [here](#) following the removal of ICF070 from this version. There is now a 4-week consultation period for the latest version of the r44 schema and the final version is expected in early December.
- r44 B2M schema changes on track to be deployed into Pre-prod 5/12.
- Informal Industry Testing
 - Commenced on 04/10/23 and will continue thru to the end of January 2024.
 - Q&A sessions are now running weekly on Thursdays to 7/12.
 - Will give participants an opportunity to shakedown their application changes and new business processes supporting the Metering Exemption automation.
 - No significant issues raised to date (issues are tabled in the weekly Q&A sessions).
 - Two participants have successfully created exemptions in preprod to date.
- Formal Testing
 - Will run from 29/01/24 to 1/03/24
 - Testing will not be structured but MCs are encouraged to ensure that they can manage their Metering Exemption processes via the new UI or by the new APIs.
 - Participants can confirm receipt CR5101 notifications.
 - AEMO will support the formal testing by advancing the statuses of exemptions on request.
 - Q&A sessions will resume in late January
- A selection of production metering exemption data has been loaded into preprod for each MC. Additional data, based on existing production exemptions, can be loaded on request by email to NEMReform@aemo.com.au
- Draft Go-live plan for March 2024 due on 08/01/2024, final version due 06/02/2024.
- Production effective date for Metering Exemptions 4/03/24.

March 2024 Milestones Timeline



Metering Exemption – Milestone Table

March 2024 - Level 1 & 2 Milestones (External)

Level	Milestone ID	Milestone	Release	Target Date	Expected Date	RAG	Tentative / Confirmed	Commentary
Level 2	MSD-206	aseXML r44 Schema Specification published draft	March 2024	19-Sep-2023	19-Sep-2023		Confirmed	
Level 1	MSD-101	Industry Test start (Informal)	March 2024	4-Oct-2023	4-Oct-2023		Confirmed	
Level 2	MSD-208	AEMO Development complete (incl. aseXML r44 schema)	March 2024	13-Oct-2023	24-Oct-2023		Confirmed	
Level 2	MSD-210	AEMO Testing start (aseXML r44 Schema)	March 2024	16-Oct-2023	25-Oct-2023		Confirmed	
Level 2	MSD-211	aseXML r44 Schema Specification published final draft 2	March 2024	23-Oct-2023	8-Nov-2023		Confirmed	
Level 1	MSD-104	AEMO Development & Testing complete (incl. aseXML r44 Schema)	March 2024	15-Nov-2023	24-Nov-2023	Green	Confirmed	
Level 2	MSD-214	aseXML r44 Schema Specification published final final	March 2024	4-Dec-2023	4-Dec-2023	Amber	Confirmed	Awaiting ASWG Approval, rescheduled
Level 2	MSD-212	Pre-Production Release - aseXML r44 Schema	March 2024	22-Nov-2023	5-Dec-2023	Green	Confirmed	
Level 2	MSD-215	MSATS Technical Spec. v51.0 published	March 2024	5-Dec-2023	5-Dec-2023	Green	Confirmed	
Level 1	MSD-105	Industry Test start (Formal)	March 2024	31-Jan-2024	31-Jan-2024	Green	Confirmed	
Level 2	MSD-213	Industry Go-Live Plan published (Metering Exemptions)	March 2024	5-Feb-2024	5-Feb-2024	Green	Confirmed	
Level 1	MSD-106	MSDR Metering Exemptions Go-live	March 2024	3-Mar-2024	3-Mar-2024	Green	Confirmed	
Level 1	MSD-107	Metering Exemptions Procedure Change Effective	March 2024	4-Mar-2024	4-Mar-2024	Green	Confirmed	

6. June 2024 Release

Integrating Energy Storage Systems into the NEM

Greg Minney / Ulrika Lindholm

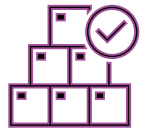
IESS June 2024 updates



1. Release update



2. IESS readiness checkpoint



3. IESS readiness update

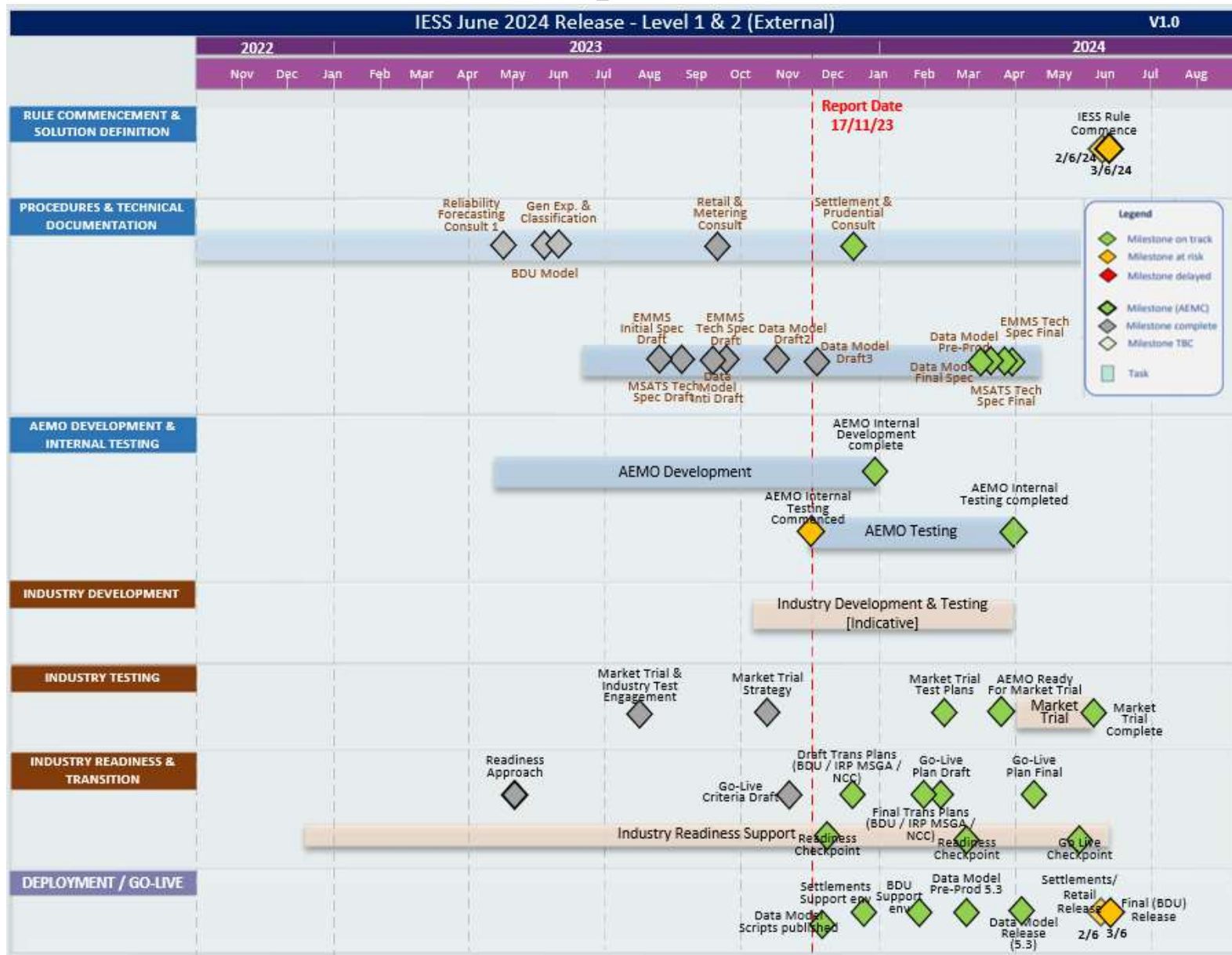


4. IESS market trial planning

1. Release update & Milestone Review

Greg Minney

1. Release update



RELEASE COMMENTARY

- Although most components of the schedule are green, the **overall project status** is rated **AMBER**. This recognises no schedule contingency for complex AEMO delivery program. Interim milestones and progress will continue to be tightly managed against go-live criteria.
- **AEMO development** is scheduled to complete for all participant facing components on schedule in December
- **AEMO integration testing** execution started 3-4 days late due to environment preparation over-run. Execution schedule will absorb with no impact to planned completion date.
- **Procedures consultation** in progress via EWCF/ ERCF* and on track.
- **Tech specs** on track:
 - Updated [EMMS tech spec Data Model v5.3](#) published Mon 20 Nov
- **Industry testing**
 - [PDSE fact sheet](#) and access survey published Tue 14 Nov
 - Market trial planning (discussed below)
 - Draft Data model scripts for PDSE released Wed 22 Nov
 - PDSE on track for IESS settlements development support Fri 15 Dec
- **Industry readiness:**
 - [Readiness check point](#) this meeting against go live criteria
 - All transition planning on track (discussed below)
 - Updated [Data Model Settlements mapping explainer](#) published Fri 17 Nov
 - Contingency planning started

*Electricity wholesale / retail consultative forums

IESS – June Milestone Table

IESS Project - Level 1 & 2 Milestones (External)

Level	Milestone ID	Milestone	Target Date	Expected Date	RAG	Tentative / Confirmed	Comments
Level 1	IES-100	AEMC Final Determination Published (Integrating energy storage systems into the NEM)	2-Dec-2021	2-Dec-2021	Complete		
Level 2	IES-110	IESS High level Design final	7-Jul-2022	7-Jul-2022	Complete		
	IES-210	Reliability Forecasting Consultation 1	28-Apr-2023	28-Apr-2023	Complete		
Level 1	IES-120	BDU Model Finalised	31-May-2023	31-May-2023	Complete		
Level 2	IES-211	Guide to Gen. Exp. & Classification - Final documents published	1-Jun-2023	1-Jun-2023	Complete		
	IES-300	MSATS Technical Specification draft available	7-Aug-2023	23-Aug-2023	Complete		
Level 2	IES-301	EMMS Data Model 5.3 specification - Initial Draft	11-Sep-2023	11-Sep-2023	Complete		
	IES-302	EMMS June 24 Technical Specification (Draft)	18-Sep-2023	18-Sep-2023	Complete		
	IES-213	Retail Metering Procedures Final Published	18-Sep-2023	18-Sep-2023	Complete		
	IES-303	Industry Test and Market Trials Strategy Draft published	22-Sep-2023	22-Sep-2023	Complete		
	IES-304	EMMS Data Model 5.3 specification - Draft 2	9-Oct-2023	23-Oct-2023	Complete		
	IES-305	Industry Test and Market Trials Strategy complete	17-Oct-2023	17-Oct-2023	Complete		
Level 2	IES-306	Go-Live Criteria draft/establish	30-Oct-2023	30-Oct-2023	Complete		
Level 2	IES-307	EMMS Data Model 5.3 specification - Draft 3	13-Nov-2023	20-Nov-2023	Complete		
	IES-308	AEMO Internal Testing commenced	20-Nov-2023	28-Nov-2023	Complete		Complete this period
	IES-309	Draft Data Model 5.3 scripts published	22-Nov-2023	22-Nov-2023	Complete		Complete this period
	IES-310	Initiative Readiness Checkpoint	28-Nov-2023	28-Nov-2023	Complete		Complete this period
	IES-311	Transition Plan Draft (BDU / IRP MSGA / NCC)	15-Dec-2023	1-Dec-2023	Complete		Complete this period

IESS – June Milestone Table



IESS Project - Level 1 & 2 Milestones (External)

Level	Milestone ID	Milestone	Target Date	Expected Date	RAG	Tentative / Confirmed	Comments
	IES-312	Settlements Participant Support Environment available	15-Dec-2023		Green	Confirmed	
	IES-217	AEMO Internal Development complete	22-Dec-2023		Green	Confirmed	Participant facing capability to be completed, some internal support and minor updates to be completed in Jan
	IES-313	BDU Participant Development Support Environment available	22-Jan-2024		Green	Confirmed	
	IES-314	Settlements & Prudentials Procedures published	29-Jan-2024		Green	Confirmed	
	IES-315	Transition Plan Final (BDU / IRP MSGA / NCC)	31-Jan-2024		Green	Confirmed	Draft Published 1/12
	IES-316	Market Trial Test Plan complete	16-Feb-2024		Green	Confirmed	
	IES-317	Industry Go-Live Plan Draft published	26-Feb-2024		Green	Confirmed	
	IES-218	EMMS Data Model 5.3 Released to Pre-Production	27-Feb-2024	13-Mar-2024	Green	Confirmed	
Level 1	IES-318	Initiative Readiness Checkpoint	1-Mar-2024		Green	Confirmed	
Level 1	IES-319	EMMS Data Model 5.3 final specification available	12-Mar-2024		Green	Confirmed	
Level 2	IES-219	EMMS Data Model 5.3 Released to Production	27-Mar-2024	10-Apr-2024	Green	Confirmed	
Level 2	IES-107	AEMO Internal Development & Testing complete	28-Mar-2024		Green	Confirmed	
	IES-320	AEMO Ready for Market Trial	2-Apr-2024		Green	Confirmed	
Level 1	IES-321	MSATS Technical Specification final available	2-Apr-2024		Green	Confirmed	
	IES-322	EMMS Settlement Technical Specification final	2-Apr-2024		Green	Confirmed	
	IES-108	Market Trial start	2-Apr-2024		Green	Confirmed	
Level 1	IES-214	Reliability Forecasting Consultation finalised	12-Apr-2024		Green	Confirmed	
Level 2	IES-323	Settlement Certification complete	19-Apr-2024		Green	Confirmed	
Level 2	IES-324	Industry Go-Live Plan Final published	19-Apr-2024		Green	Confirmed	
	IES-325	Go-Live Checkpoint	1-May-2024		Green	Confirmed	
	IES-326	Market Trial complete	24-May-2024		Green	Confirmed	
	IES-220	IESS Settlements Go-Live	2-Jun-2024		Green	Confirmed	
Level 2	IES-327	Rule Commencement Date - Settlements [NECR]	2-Jun-2024		Green	Confirmed	
Level 2	IES-221	IESS BDU Go-Live	3-Jun-2024		Amber	Confirmed	Reflects compressed schedule
	IES-109	IESS Final Release [BDU] - Rule Commencement	3-Jun-2024		Amber	Confirmed	Reflects compressed schedule

2. Go-Live Checkpoint Summary

Greg Minney

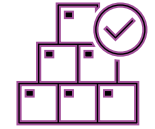
IESS June: Readiness checkpoint

- [IESS Readiness Approach](#) provides for interim checkpoints against agreed [IESS go-live criteria](#):
 - Conduct checkpoints at 6, 3 and 1-month prior to go-live
 - Nov-23, late Feb-24, late Apr-24
 - Provide snapshot of progress against baseline plan and industry preparation
 - Provide assessment against go-live criteria and baseline project implementation schedule
- Contingency plans to be developed, and agreed with Industry, to be incorporated into 3 and 1-month checkpoints

IESS June 2024: Readiness & go-live criteria

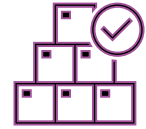


INITIATIVE	<p>IESS Sun 02 Jun 2024</p> <ul style="list-style-type: none"> New non-energy cost recovery (NECR) framework Associated settlement database structure updates New IRP registration category New/updated NCC 	<p>IESS Mon 03 Jun 2024</p> <ul style="list-style-type: none"> BDU classification and participation 	<p>READINESS CHECKPOINT 28 NOVEMBER 2023</p> <p>Summary status:</p> <ul style="list-style-type: none"> On track against Schedule Schedule remains tight with no contingency for remaining milestones
GO-LIVE CRITERIA			
AEMO	<p>AEMO solution tested in-line with requirements for:</p> <ul style="list-style-type: none"> NEM operation incorporating new NECR framework from rule commencement date Providing for new IRP registration category 	<p>AEMO solution tested in-line with requirements for enabling scheduled batteries to participate as a single DUID in energy and FCAS markets</p>	<ul style="list-style-type: none"> Solution development on track against baseline schedule. AEMO Development (external facing) on track to complete in December as scheduled. Some internal Development items now scheduled for January completion, no impact to critical path Internal test commencement delayed 4 days. No impact to test execution or scheduled completion timings Interim development milestones met Internal test schedule and approach baselined recognising overlap with development completion Schedule remains tight for completion, no contingency for remaining activities AEMO business impacts assessed and preparations on track NEM Procedures mostly completed, Settlements procedures on track for completion in December (on schedule)
	<p>AEMO business:</p> <ul style="list-style-type: none"> Ready to operate new NECR framework Ready to register IRPs Has re-registered SGAs as IRPs 	<p>AEMO business ready to support BDU operations in the NEM</p>	
INDUSTRY	<ul style="list-style-type: none"> Participant readiness activity is not a prerequisite for go-live. However to ensure that NEM operations remain uninterrupted and reliable, AEMO will monitor for any systemic issue that materially affects NEM operational integrity. 	<p>Participant readiness activity is not a prerequisite for go-live, noting:</p> <ul style="list-style-type: none"> BDU transition period to 03 Mar 2025 means that there is no industry readiness requirement for “day 1” (rule commencement) Participants can cutover on or near rule commencement date if they choose to and are ready 	<ul style="list-style-type: none"> BDU / IRP / NCC transition planning in progress and on track including industry engagement Draft technical specifications provided for MMS changes to support earlier development progress PDSE deliverables on schedule to support participant development No systemic readiness issues for participant Settlement identified at present BDU transition period remains available to support Participant BDU transition timings
CONTINGENCY	Contingency approaches to be developed and discussed with IF		<p>Contingency approaches currently in development, with separate approaches considered for Settlements/NECR and BDU components.</p>



3. Industry Readiness Update



Ulrika Lindholm



3. IESS readiness update: Since last IF meeting - Tue 31 Oct 2023

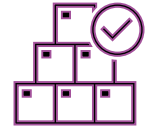
****To be read in conjunction with the IESS release schedule****





	 IESS SETTLEMENTS	 IRP & BDU
Late Oct	FAQs to website	
Tue 14 Nov	Fact sheet on Participant development support environment and survey IESS readiness and go-live criteria	
Fri 17 Nov	Updated Data Model Settlements mapping explainer	
Mon 20 Nov	Updated draft of the EMMS Technical Specification – Data Model v5.3 – March 2024	
Wed 22 Nov	Draft Data Model 5.3 scripts published (PDSE only) and discussed at Market System User Group	
Thu 24 Nov		BDU focus group meeting #2
Various dates	1to1 discussions	

3. IESS readiness update: Before next IF meeting – Tue 23 Jan 2024

****To be read in conjunction with the IESS release schedule****



 IESS SETTLEMENTS		 IRP & BDU	
Wed 29 Nov		IRP information session: <ul style="list-style-type: none"> • Approach to IRP registration processes • Market fee policy for IRPs 	
Late Nov/Early Dec (vs agreed milestone of 15 Dec 2023)	Draft transition plans released for industry comment: <ul style="list-style-type: none"> • BDU transition and cutover plan • IRP transition plan • NMI classification code transition plan 		
TBC Thu 07 Dec	IESS settlement briefing for emerging participants		
TBC Tue 12 Dec	IESS settlement Q&A		
Fri 15 Dec	PDSE opens for IESS settlements		
Mon 22 Jan		PDSE opens for IESS BDU bidding & dispatch	
Various dates	1to1 discussions		
Fri 19 Jan 2024	Industry feedback due on transition plans		
Tue 23 Jan 2024	Implementation forum #18		

3. IESS transition plan updates

- a) BDU transition and cutover plan
- b) IRP transition plan
- c) NMI classification code transition plan



BDU transition and cutover plan timeline

BDU transition and cutover plan sets out the expected responsibilities, activities, dependencies, and timeframes for AEMO and Participants to successfully transition all grid-scale batteries from 2 DUIDs to a single BDU DUID.

DATE	ACTION
Thu 12 Oct	✓ BDU focus group #1 – seeking early feedback on aspects of BDU transition and cutover plan
Thu 12 Oct	✓ Transition survey launched asking participants to provide feedback on initial BDU transition and BDU cutover approaches to AEMO
Thu 26 Oct	<ul style="list-style-type: none"> ✓ Survey responses due ✓ Feedback on BDU transition and cutover plan due
Thu 23 Nov	✓ BDU focus group #2 – providing more detail on transition and cutover activities
Fri 15 Dec (aiming for early Dec)	Publish DRAFT BDU transition and cutover plan for comment
Fri 19 Jan	Participants to provide feedback on draft plan
Wed 31 Jan	AEMO publishes FINAL BDU transition and cutover plan

IRP transition plan timeline

IRP transition plan sets out the expected responsibilities, activities, dependencies, and timeframes for transitioning affected participants to the IRP registration category.

DATE	ACTION
Wed 29 Nov	<ul style="list-style-type: none"> • IRP information session for participants transitioning to IRP registration category i.e. SGAs, existing BESS, pumped hydro. • Agenda includes: <ul style="list-style-type: none"> – Overview of changes – IRP transition under IESS – IRP NEM fee charging arrangements – Q&A
Fri 15 Dec (aiming for early Dec)	Publish DRAFT IRP transition plan for comment
Fri 19 Jan	Participants to provide feedback on draft plan
Wed 31 Jan	AEMO publishes FINAL IRP transition plan

NMI classification code transition plan timeline

NCC transition plan sets out the activities, dependencies, and timeframes for AEMO to transition the existing distribution-connected generators to the DGENRATR registration category.

****See following two slides for background on the NCC changes and transition approach****

DATE	ACTION
Fri 15 Dec (aiming for early Dec)	<ul style="list-style-type: none"> • Publish DRAFT NCC transition plan for comment • Will include targeted email comms to distribution-connected generators
Fri 19 Jan	Participants to provide feedback on draft plan
Wed 31 Jan	AEMO publishes FINAL IRP transition plan

Is there value in AEMO running a Q&A session on the NCC transition plan?

Proposed NMI classification code transition: Context

- IESS rule requires AEMO to distinguish distribution-connected generators from transmission-connected generators for the purpose of correctly allocating unaccounted for energy (UFE)
- AEMO consulted on NMI Classification Code (NCC) changes through the [IESS Retail Electricity Market Procedures consultation](#), including:

NCC	Rationale for change
TIRS	New code to identify transmission-connected IRS and replace existing requirement for two NMIs
DIRS	New code to identify distribution-connected IRS and replace existing requirement for two NMIs
DGENRATR	New code to differentiate between distribution and transmission connected generation
GENERATR	Amendment to allocate code to transmission-connected generation only, given new DGENRATR code above
NREG	Amendment to reflect new terminology, IRP Small Resource Aggregator classification of small BDUs in addition to small generating units, and stakeholder feedback

NMI classification code transition

NCC	APPROACH FOR EXISTING FACILITIES	APPROACH FOR FACILITIES REGISTERED FROM JUNE 2024
TIRS	AEMO to apply new code to transmission-connected IRS as part of individual BDU cutover, timing agreed via <i>BDU transition and cutover plan</i>	
DIRS	<p>AEMO to apply new code to distribution-connected IRS as part of individual BDU cutover, timing agreed via <i>BDU transition and cutover plan</i></p> <p>NOTE: For distribution connected IRS/ BDU that are transitioning to DIRS, the DGENRATR transition will occur first, with an effective date of Sun 02 June 2024 (IESS settlements commencement). When they transition, the DGENRATR NMI and the LARGE/DWHOLSAL NMI will then be transitioned to a single DIRS NMI later in consultation with the FRMP.</p>	AEMO to apply code as part of BAU registration process
DGENRATR	<p>AEMO to transition existing distribution-connected generation to new DGENRATR NCC for IESS settlement go-live (Sun 02 Jun 2024)</p> <p>AEMO to publish <i>draft NCC transition plan</i> early Dec for industry comment.</p>	
GENERATR	No transition required for existing transmission-connected generation	
NREG	<p>No NCC transition required for existing small resource connection points</p> <p>NOTE: Existing SGAs will be moved to the IRP registration category for Sun 02 June 2024 (IESS settlements commencement). This does not impact their NCC which will remain as NREG.</p>	Non-registered NMI Classification Codes [LARGE, SMALL & NREG] will be applied by the NSP

Seeking early feedback:
 AEMO is planning to notify affected participants when NMIs are updated in pre-prod. Are there any objections to this approach?

4. Market Trial Planning

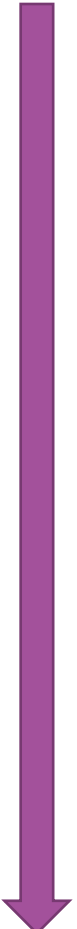
Greg Minney

4. IESS market trial planning



KEY DATES	ACTIONS
Tue 17 Oct	AEMO published final IESS market trial strategy that considers participant feedback
Thu 30 Nov	<ul style="list-style-type: none"> ITWG to discuss planned approach to market trial execution AEMO to expand strategy scenarios and general timing of phases
Thu 30 Nov to Mon 15 Jan	<p>Please provide feedback via NEMReform@aemo.com.au, including commentary on:</p> <ul style="list-style-type: none"> Requested test scenarios Consideration of proposed approach to settlement runs Pre-prod refresh approach
Fri 19 Jan 2024	Draft Market Trial Plan issued for comment
Thu 25 Jan	ITWG to consider participant feedback
Fri 16 Feb	Final IESS market trial plan issued
Feb – March	<p>Detailed trial preparation including:</p> <ul style="list-style-type: none"> Test script / workbook development Detailed schedule of activities for invitation and bi-lateral scenarios Confirmation of test reporting

IESS market trial planning discussions will be conducted in the ITWG. Please ensure time to review the market trial plan and to provide feedback.



IESS information



Integrating Energy Storage Systems Participant Toolbox

The IESS Participant Toolbox is a central location for useful resources to help participants understand and prepare for the changes associated with the Integrating Energy Storage Systems rule's implementation.

- 31 March 2023 release: Market Small Generator Aggregators (MSGAs) providing FCAI
- 9 August 2023 release: Aggregate systems can opt-in to aggregated dispatch conformance (ADC)
- 2 June 2024 release: IESS Retail and settlement changes: Material changes to the non-energy cost recovery framework (NECR) leading to significant changes to NEM settlement table structure
- 3 June 2024 release: IESS registration, classification and bidding changes: Introduction of Integrated Resource Provider (IRP) participant type and bi-directional units (BDU)

Reference information

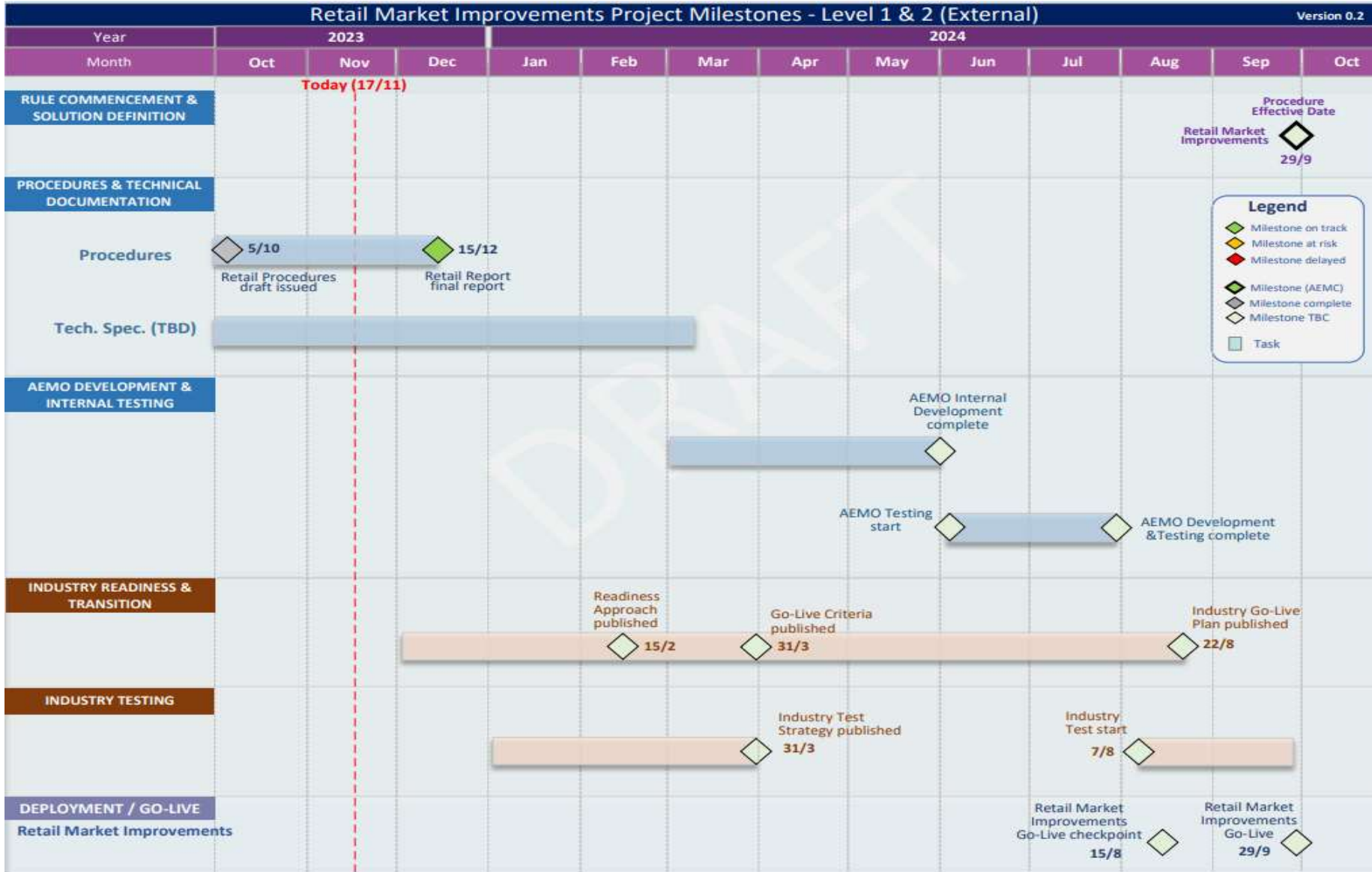
IESS project information	Participant toolbox
IESS market procedure updates	Indicative change program
General IESS queries	ies@aemo.com.au
IESS market trial queries	NEMReform@aemo.com.au

7. September 2024 Release

September 2024 Release - Context

- AEMO is currently consulting on various changes to its Retail and Metering Procedures
 - ‘July 2023 Retail Electricity Market Procedures Consultation’: <https://aemo.com.au/consultations/current-and-closed-consultations/july-2023-retail-electricity-market-procedures-consultation>
- Included in this consultation are:
 - A preferred longer-term Net System Load Profile (NSLP) Methodology (ICF_072)
 - Considers situations where positive and negative NSLP trading interval values are present.
 - Substitution Types review (ICF_054)
 - Intends to provide recipients a clearer understanding of the reason and method used to support a substituted metering data value
- As per the Draft Determination, these 2 items were proposed to come into effective from 29 Sept 2024
- AEMO is currently considering stakeholder to its Draft Report, including preferred effective dates, and is on-track to publish its Final Determination by Friday 15 December 2023

September Release Timeline



- Retail Improvements Release scheduled 29th September
- Indicative milestones provided to assist Participant planning
 - Tech Spec milestones to be provided
- Milestones to be formalised on confirmation of effective date

September – Retail Improvements – Draft milestones

September 2024 - Level 1 & 2 Milestones (External)

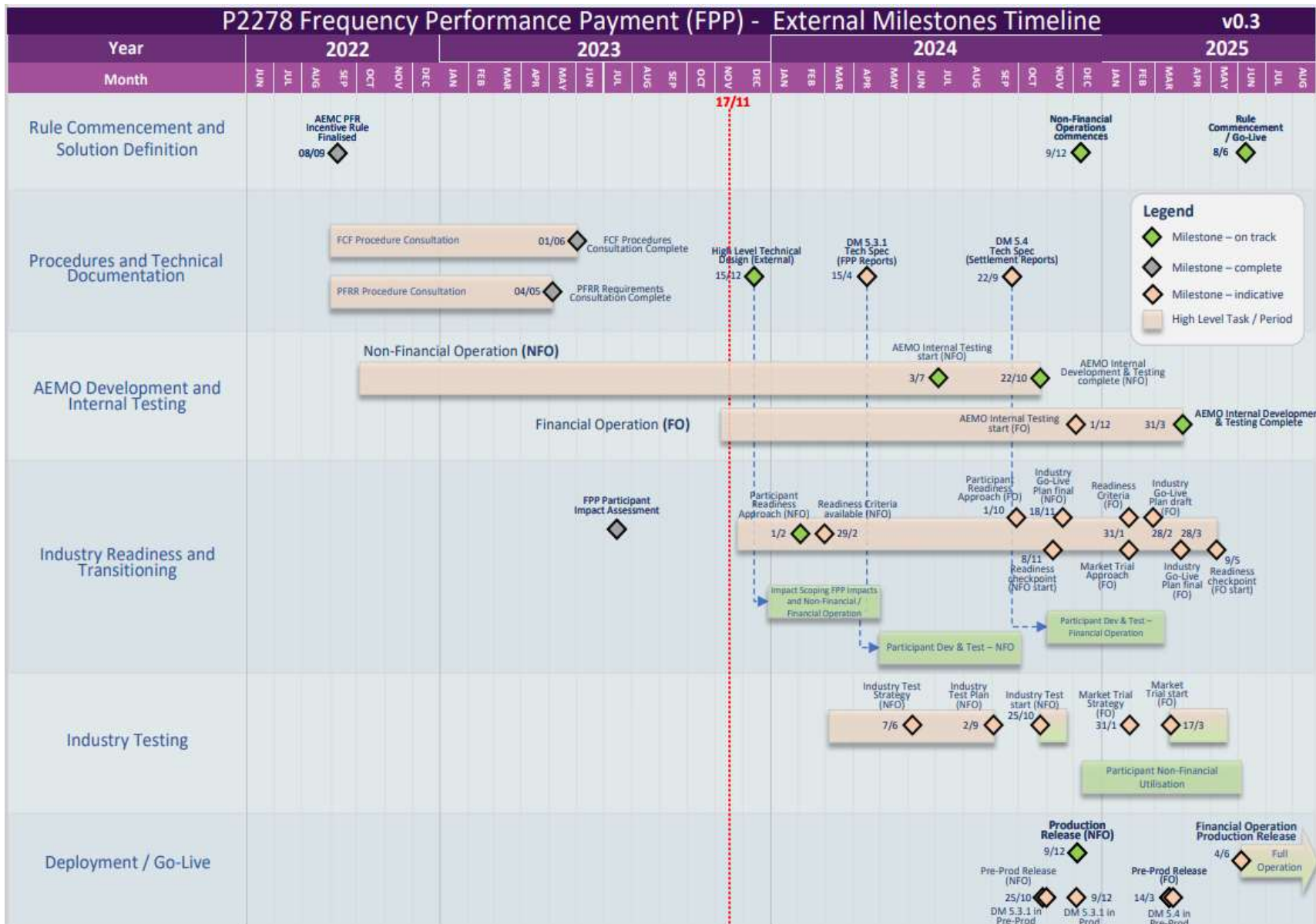
Level	Milestone ID	Milestone	Target Date	Expected Date	Status	RAG	Tentative / Confirmed	Commentary
Level 2		Retail Procedures draft issued	5-Oct-2023		Complete		Confirmed	
Level 2		Retail Report final report	15-Dec-2023			Green	Confirmed	
Level 2		Readiness Approach published	15-Feb-2024			Green	Tentative	
Level 2		Go-Live Criteria published	31-Mar-2024			Green	Tentative	
Level 2		Industry Test Strategy published	31-Mar-2024			Green	Tentative	
Level 2		AEMO Internal Development complete	31-May-2024			Green	Tentative	
Level 2		AEMO Internal Testing start	3-Jun-2024			Green	Tentative	
Level 2		AEMO Development & Testing complete	31-Jul-2024			Green	Tentative	
Level 1		Industry Test start	7-Aug-2024			Green	Tentative	
Level 2		Retail Market Improvements Go-Live checkpoint	15-Aug-2024			Green	Tentative	
Level 2		Industry Go-Live Plan published	22-Aug-2024			Green	Tentative	
Level 1		Retail Market Improvements Go-Live	29-Sep-2024			Green	Tentative	
Level 1		Retail Market Improvements Procedure Effective Date	29-Sep-2024			Green	Tentative	

8. December 2024 / June 2025 FPP Release

FPP Implementation approach

- FPP initiative will be delivered in two stages:
 - Rule commencement and settlement changes to be delivered for 8 June 2025
 - This will be preceded by a six-month period of “non-financial operation”, commencing 9 December 2024.
- Non-financial operation provides participants with the opportunity to see what their FPP outcomes would be, based on actual performance and in real time, before the new arrangements take effect.
- The FPP High-level external design will be published on 8 December 2023. It contains a near-final version of the external reporting data model. The consumption and use of this new data is the major participant system impact of FPP.
- Following consultation with participants, AEMO will only provide pre-dispatch estimates of recovery amounts of Regulation FCAS based on Default Contribution Factors (as we currently do for Causer Pays), not additional FPP estimates.

FPP Milestones Timeline



RELEASE COMMENTARY

- Overall project status **GREEN**
- AEMO Development in Progress
- Proposed milestones extended to include readiness deliverables in support of Non-financial and financial operation
- Participant impact assessment provided in [this presentation](#) based on industry Workshops
- High level technical design available on 8 Dec 2023.
 - Deliverable to support participant scoping of their own system development needs
- Readiness Approach for non-financial operations including participant test support requirements to be provided 1 Feb 2024.

FPP - Milestone Table

Milestone ID	Milestone	Project	Target Date	Expected Date	RAG	Tentative / Confirmed	Commentary
FPP-101	Rule Determination Published - Final	FPP	8-Sep-2022	8-Sep-2022		Confirmed	
FPP-201	AEMC PFR Incentive Rule Finalised	FPP	8-Sep-2022	8-Sep-2022		Confirmed	
FPP-202	CFP Initial Paper Published	FPP	31-Oct-2022	31-Oct-2022		Confirmed	
FPP-203	CFP First Stage Submissions received	FPP	6-Dec-2022	6-Dec-2022		Confirmed	
FPP-204	PFRR Initial Paper Published	FPP	6-Dec-2022	6-Dec-2022		Confirmed	
FPP-205	PFRR First Stage Submissions received	FPP	16-Jan-2023	16-Jan-2023		Confirmed	
FPP-206	CFP Draft Determination Published	FPP	7-Feb-2023	7-Feb-2023		Confirmed	
FPP-207	PFRR Draft Determination Published	FPP	20-Feb-2023	20-Feb-2023		Confirmed	
FPP-208	CFP Second Stage Submissions received	FPP	15-Mar-2023	15-Mar-2023		Confirmed	
FPP-209	PFRR Second Stage Submissions received	FPP	21-Mar-2023	21-Mar-2023		Confirmed	
FPP-210	PFRR Requirements Consultation complete	FPP	8-May-2023	4-May-2023		Confirmed	
FPP-211	CF Procedures Consultation complete	FPP	8-Jun-2023	1-Jun-2023		Confirmed	
FPP-102	NEM Procedures Published	FPP	8-Jun-2023	1-Jun-2023		Confirmed	
FPP-221	High Level Technical Design (External)	FPP	8-Dec-2023	15-Dec-2023	Green	Confirmed	
FPP-222	Participant Readiness Approach (incl. Dev Support Reqmts) published	FPP	1-Feb-2024		Green	Confirmed	
FPP-230	Readiness Criteria available (NFO)	FPP	29-Feb-2024		Green	Tentative	
FPP-217	Data Model 5.3.1 Tech Spec (FPP Reports)	FPP	15-Apr-2024		Green	Tentative	
FPP-227	Industry Test Strategy (NFO) published	FPP	7-Jun-2024		Green	Tentative	
FPP-212	AEMO Internal Testing commenced (NFO)	FPP	3-Jul-2024		Green	Confirmed	
FPP-229	Industry Test Plan published (NFO)	FPP	2-Sep-2024		Green	Tentative	
FPP-218	Data Model 5.4 Tech Spec (Settlement Reports)	FPP	22-Sep-2024		Green	Tentative	
FPP-214	Participant Readiness Approach complete (Financial Operation)	FPP	1-Oct-2024		Green	Tentative	
FPP-231	Industry Development finish (NFO)	FPP	1-Oct-2024		Green	Tentative	
FPP-232	Readiness Checkpoint - Industry Test start (NFO)	FPP	15-Oct-2024		Green	Tentative	
FPP-103	AEMO Internal Development & Testing complete (NFO)	FPP	22-Oct-2024		Green	Tentative	
FPP-225	Pre-Production Release (NFO)	FPP	25-Oct-2024		Green	Tentative	
FPP-233	Data Model 5.3.1 available in Pre-Prod	FPP	25-Oct-2024		Green	Tentative	
FPP-104	Industry Test start (NFO)	FPP	25-Oct-2024		Green	Tentative	
FPP-234	Industry Go-Live Plan published - draft (NFO)	FPP	4-Nov-2024		Green	Tentative	
FPP-236	Readiness Checkpoint - Go-Live (NFO)	FPP	8-Nov-2024		Green	Tentative	
FPP-235	Industry Go-Live Plan published - final (NFO)	FPP	18-Nov-2024		Green	Tentative	
FPP-215	Industry Test finish (NFO)	FPP	22-Nov-2024		Green	Tentative	
FPP-237	AEMO Internal Testing commenced (FO)	FPP	28-Nov-2024		Green	Tentative	
FPP-238	Data Model 5.3.1 available in Prod	FPP	9-Dec-2024		Green	Tentative	
FPP-246	Production Release (NFO)	FPP	28-Nov-2024		Green	Confirmed	
FPP-105	Non-Financial Operations commences	FPP	9-Dec-2024		Green	Confirmed	
FPP-223	Market Trial Strategy published (Financial Operation)	FPP	31-Jan-2025		Green	Tentative	
FPP-224	Readiness Criteria available (Financial Operation)	FPP	31-Jan-2025		Green	Tentative	
FPP-239	Industry Go-Live Plan published - draft (Financial Operation)	FPP	28-Feb-2025		Green	Tentative	
FPP-240	Readiness Checkpoint - Market Trial start (Financial Operation)	FPP	28-Feb-2025		Green	Tentative	
FPP-241	Industry Development Finish (Financial Operation)	FPP	15-Mar-2025		Green	Tentative	
FPP-242	Data Model 5.4 available in Pre-Prod	FPP	15-Mar-2025		Green	Tentative	
FPP-226	Pre-Production Release (Financial Operation)	FPP	14-Mar-2025		Green	Tentative	
FPP-108	Market Trial start (Financial Operation)	FPP	17-March-2025		Green	Tentative	
FPP-243	Industry Go-Live Plan published - final (Financial Operation)	FPP	28-March-2025		Green	Tentative	
FPP-107	AEMO Internal Development & Testing complete (Financial Operation)	FPP	31-Mar-2025		Green	Confirmed	
FPP-244	Readiness Checkpoint - Financial Operation	FPP	9-May-2025		Green	Tentative	
FPP-245	Market Trial finish (Financial Operation)	FPP	20-May-2025		Green	Tentative	
FPP-109	Production Release (Financial Operation)	FPP	4-Jun-2025		Green	Tentative	
FPP-106	FPP Project Go-Live / Rule Commencement	FPP	8-Jun-2025		Green	Confirmed	

9. Other Initiatives

Strategic / Foundational Initiatives

Identity & Access Management
Industry Data Exchange
Portal Consolidation

For noting

Industry Consultation Update

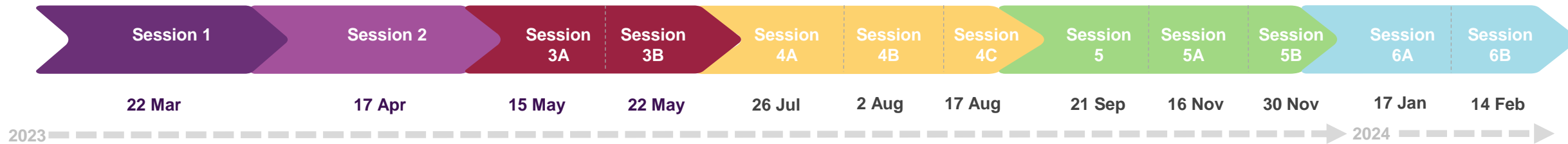
Consultation is ongoing.

AEMO aims to publish draft business case to industry on 8 December.

Published information and materials:

- Focus Group webpage: <https://aemo.com.au/en/consultations/industry-forums-and-working-groups/list-of-industry-forums-and-working-groups/nem-reform-foundational-and-strategic-initiatives-focus-group>
- Any queries can be directed to NEMReform@aemo.com.au

Timing is indicative. Additional engagement with Executive forum members depending on extent of consensus.



Session	Introduction	Discovery	Target State	Transition Strategy	Cost & Method	Business Case
Agenda	<ul style="list-style-type: none"> • Introduce initiatives • Outline workshop plan 	<ul style="list-style-type: none"> • Pain points and benefits • Survey 	<ul style="list-style-type: none"> • Concept walkthrough • Survey 	<ul style="list-style-type: none"> • Transition Strategy • Impacts & Benefits • Survey 	<ul style="list-style-type: none"> • Industry and AEMO costs • Assumptions, options and methodology 	<ul style="list-style-type: none"> • Walkthrough of draft business case • Assessment and completion

10. Upcoming Engagements

Upcoming engagements

November						
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		

December						
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 Committees/Forums/Working Groups	
NEM Reform Program Consultative Forum	
NEM Reform Delivery Committee	
NEM Reform Delivery Committee - Collaborative Workshop	
NEM Reform Implementation Forum	
NEM Reform Electricity Wholesale Consultative Forum	
NEM Reform Executive Forum	
NEM Reform Industry Testing Working Group	
Foundational and Strategic Initiatives Focus Group	
Other Forums	
Electricity Retail Consultative Forum	
Other	
State/Territory Public Holiday	
AEMO Office Closed	

Note: All NEM Reform related committees, forums and working group invitations for CY2024 have been issued and are referenced on [AEMO's industry calendar](#).

Upcoming engagements

January						
M	T	W	T	F	S	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				

February						
M	T	W	T	F	S	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			

March						
M	T	W	T	F	S	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

April						
M	T	W	T	F	S	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					

NEM Reform Program Committees/Forums	
Executive Fourm	
Reform Delivery Committee	
Reform Delivery Committee Collaborative Workshop	
Program Consultative Forum	
Electricity Wholesale Consultative Fourm	
Implementation Forum	
Industry Testing Working Group	

Other Forums	
Electricity Retail Consultative Forum	

Other	
National Public Holiday	
State/Territory Public Holiday	

AEMO's office closure 26 Dec – 29 Dec 2023.

Note: All NEM Reform related committees, forums and working group invitations for CY2024 have been issued and are referenced on [AEMO's industry calendar](#).

11. General Questions & Other Business



NEMReform@aemo.com.au



[AEMO | Implementation Forum](#)



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.



For more information visit

aemo.com.au