

NEM Reform Program Consultative Forum

Meeting #16
13 March 2024



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 and present.**

1. Welcome

Agenda

#	Time	Topic	Presenter
1	1:00-1:05pm	Welcome	Chris Muffett
2	1:05-1:10pm	Actions & Feedback from Previous Meeting	David Reynolds
3	1:10-1:25pm	Program & Release Update • Industry Risk Register – Update by exception only	Rowena Leung • Greg Minney
4	1:25-1:45pm	Spotlight • March 2024 – Metering Exemptions Live • June 2024 - IESS Update • 3 - month outlook	• Greg Minney • Emily Brodie / Greg Minney
5	1:45-1:50pm	NEM Reform – Forward Plan • Upcoming Initiatives – ways of working going forward	• Greg Minney
6	1:50-2:20pm	NEM Reform Initiative Updates • June 2025 – FPP • Foundational & Strategic Initiatives - IDX IDAM PC • Retail Market Improvements September / November Release	• Oliver Derum • Andrew Bell • Greg Minney
7	N/A	NEM Reform Stakeholder Update • Upcoming Engagements	• For noting
8	2:20-3:00pm	General Questions and Other Business • Sparse Data Model	Chris Muffett • Greg Minney

Appendix A:
Competition law meeting protocol

Appendix B:
NEM Reform program Engagement, Planning, Delivery and Readiness.

Appendix C:
Commencement Updates - Retail Market Improvements September / November Release

2. Actions & Feedback from Previous Meeting

Actions

(Item = Meeting # – Agenda # – Reference)

Item	Topic	Action	Responsible	Status
15.1.0.1	Welcome	AEMO check the status and provide further information to members on the Sparse Data Model.	AEMO	Closed AEMO provided an update to the Implementation Forum that planned end date for transition to Sparse Data Model is November 2024, and has added to MSUG agenda for further participant discussion.
15.3.1.1	Industry Risk Register	PCF members are encouraged to provide feedback on the Industry Risk Register by emailing NEMReform@aemo.com.au .	Participants	Closed
13.5.0.1	NEM Reform Program Review	AEMO to develop: 1. an industry survey on the year past; and 2. ways that the program can improve for the year ahead.	AEMO	<ul style="list-style-type: none">• Item 1 complete• Item 2 in progress

3. Program & Release Update

Program Update

Current progress:

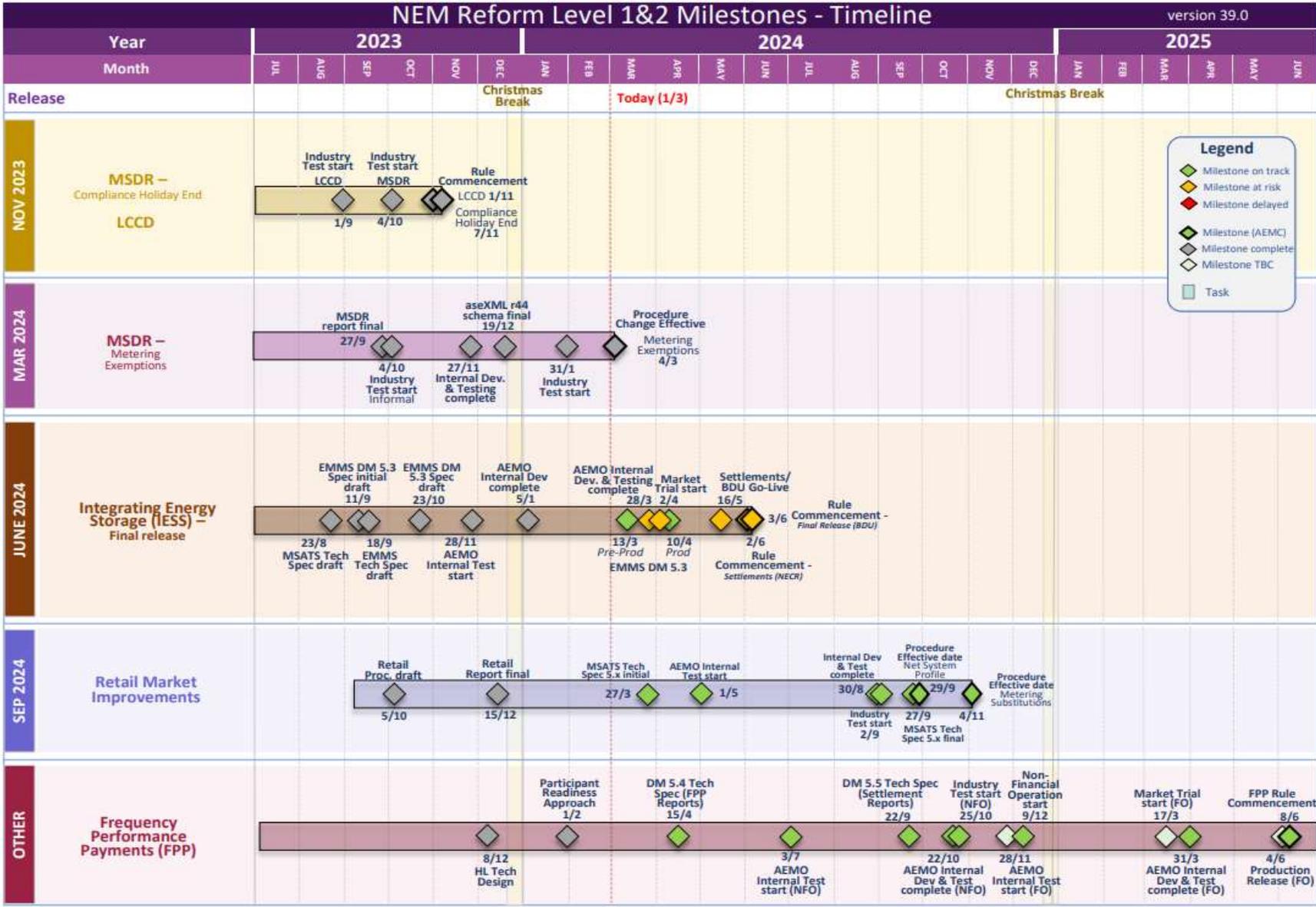
- Overall program is progressing well, key focus area remains with IESS.
- **MSDR:** Successfully deployed 3rd March, transition of in progress exemptions underway.
- 2024 program locked down, subject to SCADA Lite delivery schedule.

Key areas receiving management attention:

- **IESS June 24:** Continues to make good progress, however, remains rated Amber reflecting lack of schedule contingency. AEMO Internal Testing in progress with issues being managed against tight timeframe. Industry Transition and Market Trial planning in progress and on track.
- **2025 / 2026 Initiatives (including IDAM, IDX and PC):** Mobilisation of project resources to conduct preparation and design activities in 2024 for initiatives scheduled for implementation in 2025 and 2026; further information in Agenda Item 5.

Release	Initiatives	Previous Status	Current Status	Key Points	Impacted Stakeholders
MAR-24	Metering Exemptions (MSDR)	Green	Complete	03 March 2024: Successful production deployment 04 March 2024: Procedure effective	Retailers, MC and MP/MDP, DNSP
JUN-24	Integrating Energy Storage Systems [Final]	Yellow	Yellow	Project Status Amber, reflect status of Internal Testing, with overlap of Scheduling components for finalisation with Market Trial execution. Transition and market trial planning progressing, Readiness Checkpoint conducted	IRPs, NSPs, FRMP, MP/MDP, Vendors
NOV-24 (TBC)	SCADA Lite	Yellow	Yellow	Proof of Concept timing extended , Confirming Implementation activities and schedule for external milestone reporting.	DRSP
SEP-24 / NOV-24	Retail Market Improvements	Green	Green	Scope and Procedure effective dates NSLP (29 th Sept), Metering Substitutions (4 th November) confirmed. External milestones baselined and delivery in progress.	MC, MDP, FRMP, DNSP
DEC-24 & JUN-25	Frequency Performance Payments	Green	Green	Project progressing to schedule. Stakeholder Briefing session 23 rd Feb, Readiness Approach confirmed with participants.	Generators, Market Customers

NEM Reform Level 1&2 Milestones PoaP



Key call outs:

- The Metering Exemptions solution, including r44 aseXML schema has been successfully deployed. The Procedure change has been effective from 4/3.
- IESS Project – Testing is in progress to continue through February and March. The EMMS Data Model 5.3 is due in Pre-Production on 13/3. The Market trial is due to start on 2/4, with pre-prod environment refresh in progress
- FPP Project – Development & Testing continues for the FPP solution. The DM 5.3.1 Tech Spec (FPP Reports) is on track for release on 15/4.
- Retail Market Improvements – The initial MSATS Tech. Spec, release is on track for 27/3. Project delivery milestones have been confirmed.

Industry Risk Register

Update by exception only

Industry Risk Register

- **March Review**
 - No new Industry risks identified in this period
 - No significant change to current risks trend or impact, noting continued refinement of regulatory schedule
- [Register](#) has been updated to reflect the changes and was published on the AEMO Website on 16 February 2024
- Next review of Industry Risk Register – April PCF

4. Spotlight

March 2024 - Metering Exemptions

Greg Minney

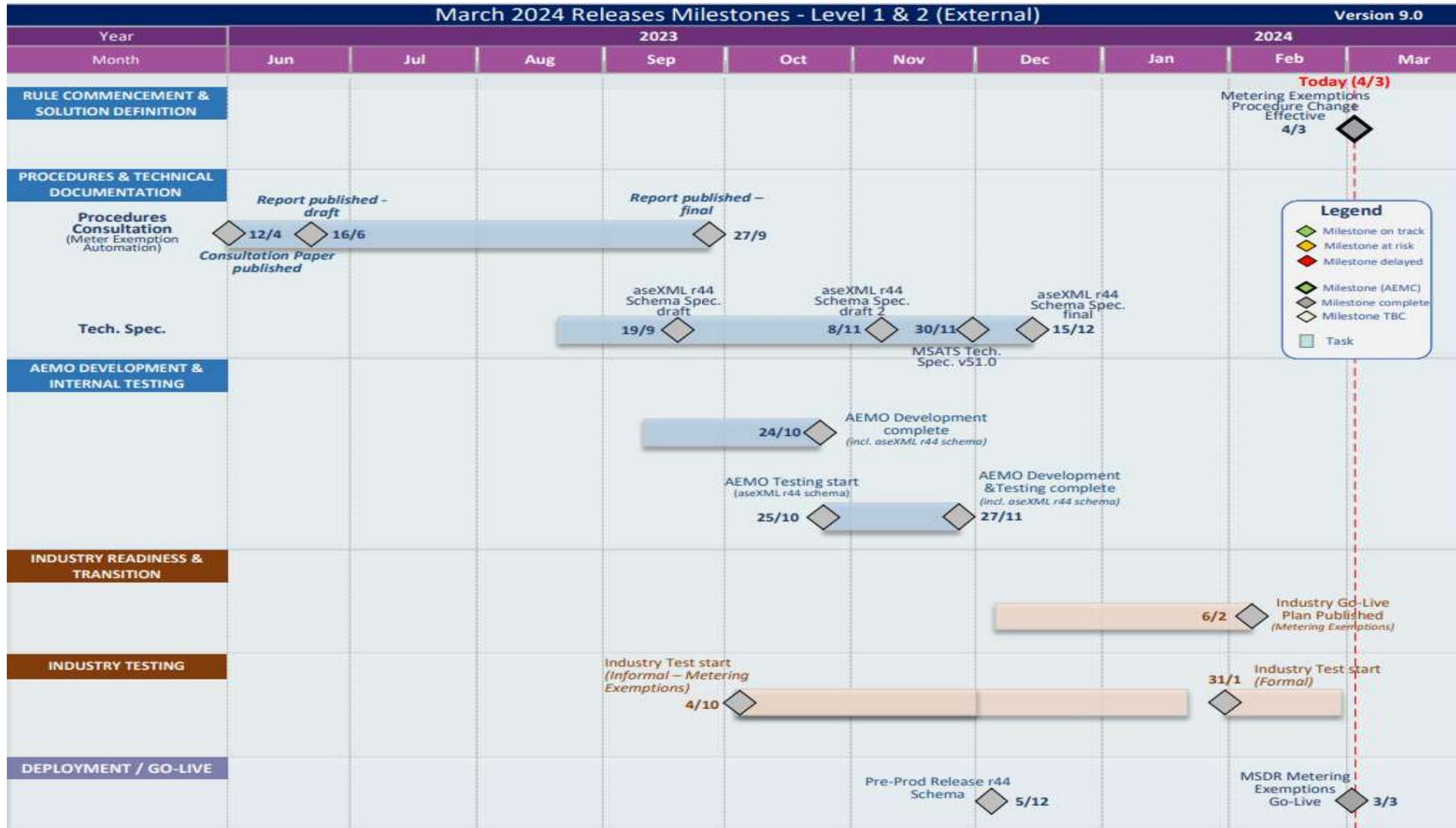
Milestone Review: MSDR- Metering Exemptions

Live!!



- **03 March 2024:** Successful production deployment
 - MSATS update including availability of API's
 - R44 aseXML B2M schema live
- **04 March 2024:** Procedure effective
 - Transition of “in progress” metering exemptions underway following reconciliation with MCs
 - AEMO will notify when migration is complete
 - MCs will be advised when they can commence submitting exemptions via MSATS post migration completion. Expected to be 7th March
- Metering exemption go-live finalises the MSDR suite of changes

March 2024 Milestones Timeline



March Retail Release – Metering exemptions External Milestones as at 04/03/2024

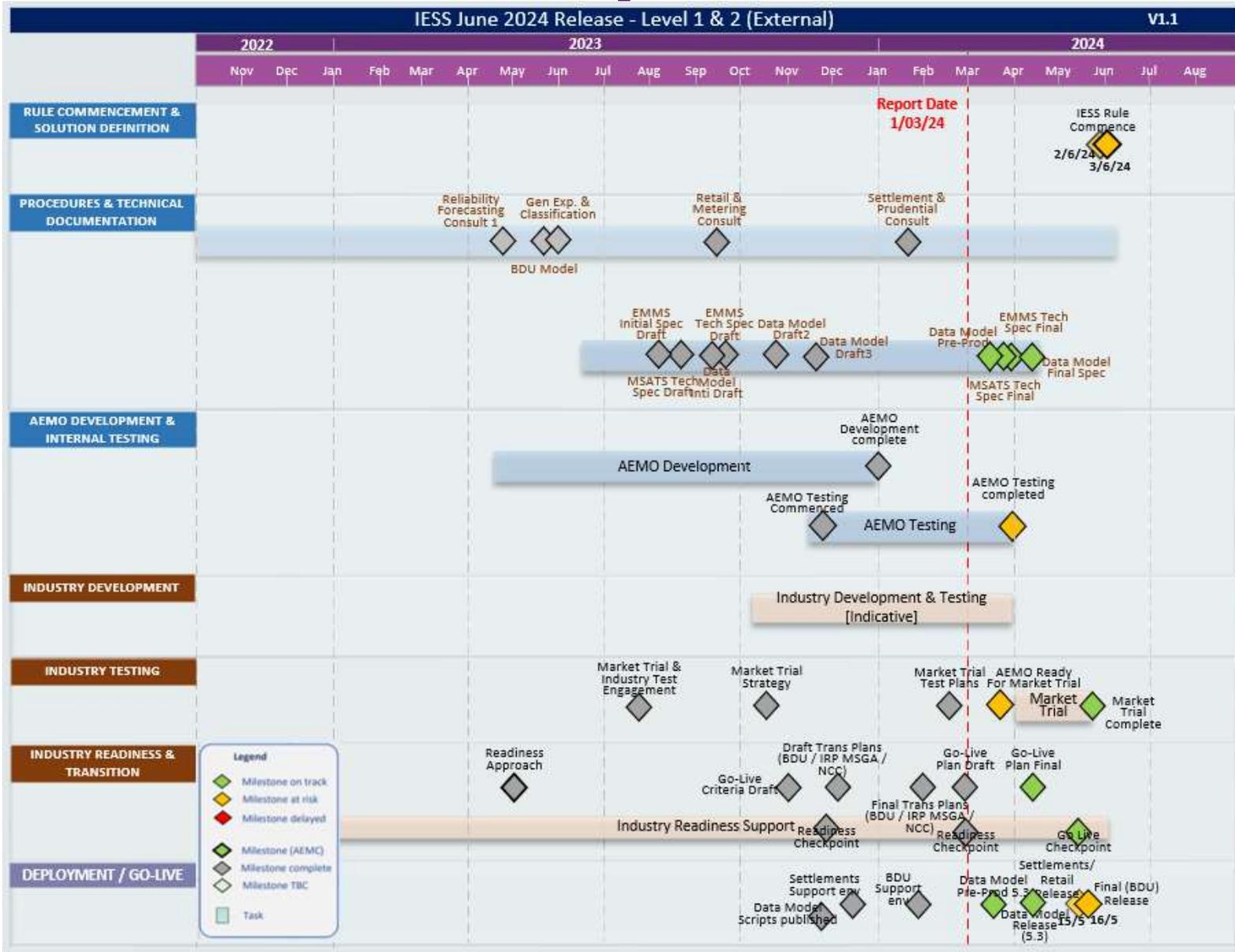
Level	Milestone ID	Milestone	Release	Target Date	Expected Date	RAG	Tentative / Confirmed	Commentary
Level 2	MSD-206	aseXML r44 Schema Specification published draft	March 2024	19-Sep-2023	19-Sep-2023		Confirmed	
Level 1	MSD-101	Industry Test start (Informal)	March 2024	4-Oct-2023	4-Oct-2023		Confirmed	
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	27-Nov-2023		Confirmed	
Level 2	MSD-215	MSATS Technical Spec. v51.0 published	March 2024	5-Dec-2023	30-Nov-2023		Confirmed	
Level 2	MSD-212	Pre-Production Release - aseXML r44 Schema	March 2024	22-Nov-2023	5-Dec-2023		Confirmed	
Level 2	MSD-214	aseXML r44 Schema Specification published final	March 2024	4-Dec-2023	19-Dec-2023		Confirmed	
Level 1	MSD-105	Industry Test start (Formal)	March 2024	31-Jan-2024	31-Jan-2024		Confirmed	
Level 2	MSD-213	Industry Go-Live Plan published (Metering Exemptions)	March 2024	5-Feb-2024	6-Feb-2024		Confirmed	Submitted one day post target date
Level 1	MSD-106	MSDR Metering Exemptions Go-live	March 2024	3-Mar-2024	3-Mar-2024		Confirmed	
Level 1	MSD-107	Metering Exemptions Procedure Change Effective	March 2024	4-Mar-2024	4-Mar-2024		Confirmed	



June 2024 - IESS Update

Emily Brodie / Greg Minney

1. Release update



RELEASE COMMENTARY

- **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 internal testing** underway with issues being managed against tight overall schedule, with major focus on scheduling components. Completion Milestone AMBER – managing progress and issue resolution in-line with market trial deployment timeframes.
- **AEMO readiness for Market Trial** is AMBER due to dependency on Internal Test completion and required environment preparation for pre-prod. Pre-prod refresh commenced 4/3 on schedule. Application deployment planned and scheduled
- **Procedure consultations** in progress via EWCF/ ERCF, on track. Only remaining are minor and administrative.

Tech specs on track:

- Version of all Tech Specs published 21/2 – MSATS, EMMS, EMMS Data Model
- Next Tech Spec and Data Model updates will align with pre-prod release for Data Model 5.3 (Wed 13 Mar).

Industry testing:

- PDSE weekly Q&A sessions in place
- IESS Market Trial Plan final released Fri 16 Feb
- ITWG members to consider detailed test scenarios for their organisations (Feb/Mar)

Industry readiness:

- 3x IESS transition plans – finals published Wed 31 Jan.
- Finalisation of BDU Transition timings in progress via individual participant discussions
- Draft Industry go-live plan released for comment Mon 26 Feb
- 3-month go-live checkpoint being held this meeting.

IESS June Milestone Table - Past

IESS Project - Level 1 & 2 Milestones (External)

Level	Milestone ID	Milestone	Target Date	Expected Date	RAG	Tentative / Confirmed	
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		
	IES-309	Draft Data Model 5.3 scripts published	22-Nov-2023	22-Nov-2023	Complete		
	IES-310	Initiative Readiness Checkpoint	28-Nov-2023	28-Nov-2023	Complete		
	IES-311	Transition Plan Draft (BDU / IRP MSGA / NCC)	15-Dec-2023	1-Dec-2023	Complete		
	IES-312	Settlements Participant Support Environment available	15-Dec-2023	15-Dec-2023	Complete		
	IES-217	AEMO Development complete	22-Dec-2023	5-Jan-2024	Complete		Participant facing components complete this period.
	IES-313	BDU Participant Development Support Environment available	22-Jan-2024	24-Jan-2024	Complete	Confirmed	
	IES-314	Settlements & Prudentials Procedures published	29-Jan-2024	25-Jan-2024	Complete	Confirmed	
	IES-315	Transition Plan Final (BDU / IRP MSGA / NCC)	31-Jan-2024	31-Jan-2024	Complete	Confirmed	
	IES-316	Market Trial Test Plan complete	16-Feb-2024	16-Feb-2024	Complete	Confirmed	

IESS June Milestone Table: Future

IESS Project - Level 1 & 2 Milestones (External)

Level	Milestone ID	Milestone	Target Date	Expected Date	RAG	Tentative / Confirmed	
	IES-317	Industry Go-Live Plan Draft published	26-Feb-2024		Complete	Confirmed	Complete this period
Level 1	IES-318	Initiative Readiness Checkpoint	1-Mar-2024	1-Mar-2024	Complete	Confirmed	Complete this period
	IES-218	EMMS Data Model 5.3 Released to Pre-Production	27-Feb-2024	13-Mar-2024	Green	Confirmed	Milestone adjusted to accommodate planned pre-prod refresh for IESS Market Trial
Level 2	IES-107	AEMO Development & Testing complete	28-Mar-2024		Amber	Confirmed	Compressed Quality Assurance timeline and carry over development activity.
	IES-320	AEMO Ready for Market Trial	2-Apr-2024		Amber	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-319	EMMS Data Model 5.3 final specification available	12-Mar-2024	10-Apr-2024	Green	Confirmed	
Level 2	IES-219	EMMS Data Model 5.3 Released to Production	10-Apr-2024		Green	Confirmed	
Level 2	IES-323	Settlement Certification complete	19-Apr-2024	29-Apr-2024	Green	Confirmed	Minor schedule update, Solution Readiness not impacted, issues if any to be remediated prior go-live decision,
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	15-May-2024	Amber	Confirmed	Deployment of code prior to rule commencement. Reflects current scheduling. Amber reflection of overall schedule
Level 2	IES-327	Rule Commencement Date - Settlements [NECR]	2-Jun-2024		Amber	Confirmed	Reflects compressed schedule
Level 2	IES-221	IESS BDU Go-Live	3-Jun-2024	16-May-2024	Amber	Confirmed	Deployment of code prior to rule commencement. Reflects current scheduling. Amber reflection of overall schedule
	IES-109	IESS Final Release [BDU] - Rule Commencement	3-Jun-2024		Amber	Confirmed	Reflects compressed schedule

June 2024: Integrating Energy Storage Systems



Key Date(s)	<ul style="list-style-type: none"> • Settlements / NECR go-live Sun 02 Jun 2024 • IRP/BDU go-live Mon 03 Jun 2024 				
Affected stakeholders	<ul style="list-style-type: none"> • Changes to settlement data tables and non-energy cost recovery framework (NECR): Financially responsible market participants • Introduction of IRP participant type and bi-directional unit (BDU) bidding, scheduling and participation: BDU participants, SGAs, bidding system vendors/developers 				
Industry testing	<ul style="list-style-type: none"> • Market trial and industry testing, participant development support environment 				
Overall status	<ul style="list-style-type: none"> • AMBER: On schedule. Overall amber remains due to tight testing schedules. 				
Procedures	Technical documentation	AEMO development & internal testing	Industry readiness & transition	Industry testing	Deployment & go-live
<p><i>Final 'standard' procedure consultation for IESS is complete. Only 'minor and administrative' consultations remain.</i></p> <p>Current procedure consultations (Feb-Mar):</p> <ul style="list-style-type: none"> • SO_OP_3705 Dispatch Procedure • Demand Terms in EMMS Data Model • MASS <p>Upcoming procedure consultations (April)</p> <ul style="list-style-type: none"> • National Connections documents • Settlement documents • Ops Planning documents 	<p>Changes to:</p> <ul style="list-style-type: none"> • MSATS technical specification • EMMS technical specification • MMS Data model <p>Milestones for initial, draft and final documentation confirmed (see project schedule).</p> <p>Updates to Tech Specs published monthly as required for identified changes</p>	<ul style="list-style-type: none"> • AEMO development for Participant-facing capability completed • Development of elements of internal capability continuing • Internal testing underway with issues being managed against tight schedule contributing to Amber rating on completion milestone. 	<ul style="list-style-type: none"> • IESS go-live criteria finalised • Contingency approaches published and monitoring in place • Settlement, BDU and IRP participant briefing sessions scheduled or conducted • Final IESS transition plans complete and published Wed 31 Jan. • Draft go-live plan published Mon 26 Feb for comment. Feedback due Mon 18 Mar. 	<p>Participant development support environment:</p> <ul style="list-style-type: none"> • Settlements opened Fri 15 Dec • BDU bidding & dispatch opened Mon 22 Jan • Weekly Q&A sessions in place. <p>IESS Market Trial:</p> <ul style="list-style-type: none"> • Final Market trial plan published Mon 16 Feb • Detailed test schedule of activities (invitation and bilateral) in Feb/ March. • Pre-prod data refresh to support Market Trial scheduled with dates communicated to Industry. 	<p>Go-live criteria & checkpoints</p> <ul style="list-style-type: none"> • Readiness and go-live criteria established • Regular readiness checkpoints established. 3-month (end Feb) checkpoint due → See following slide <p>Data model:</p> <ul style="list-style-type: none"> • Pre-prod deployment Wed 13 Mar to allow for pre-prod refresh • Prod deployment Wed 10 Apr. <p>Industry Go-Live plan:</p> <ul style="list-style-type: none"> • Draft published Mon 26 Feb 2024 • Feedback due Mon 18 Mar • Final Apr 2024.

RELEVANT LINKS

3-month readiness & go-live checkpoint

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>Summary status: AMBER – as at 4 March 2024</p> <ul style="list-style-type: none"> • Overall track against schedule, however: <ul style="list-style-type: none"> • Risk to completion of internal testing prior to BDU deployment milestone • Market Trial on schedule noting potential overlap with AEMO’s internal testing for BDU capability. No impact to trial schedule and settlement testing • Risks recognised and being actively managed
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 	<ul style="list-style-type: none"> • AEMO solution tested in-line with requirements for enabling scheduled batteries to participate as a single DUID in energy and FCAS markets 	<ul style="list-style-type: none"> • IRP registration and NECR /settlement framework capability is progressing to schedule. • Dispatch and Bidding Internal Testing is behind schedule, with defects being remedied. • Required capability needed for Market Trial start is on schedule. <ul style="list-style-type: none"> • NOTE: Known defects may need to be carried over from UAT. Status to be confirmed with affected participants prior to relevant test phase/s. • Market trial preparations (environment refresh, data model releases, market trial plan) are 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 	<ul style="list-style-type: none"> • AEMO business ready to support BDU operations in the NEM 	<ul style="list-style-type: none"> • AEMO business readiness : Preparations on schedule to support market trial and full operation. • NEM Procedures: Final ‘standard’ procedure consultation for IESS is complete. Only ‘minor and administrative’ consultations remain and are on track.
INDUSTRY	<ul style="list-style-type: none"> • Participant readiness activity is not a pre-requisite 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 pre-requisite 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"> • IESS settlements: AEMO has monitored for any “systemic impact to NEM operational integrity” via one-to-one conversations with participants and a call for participants to raise any issues. No such systemic impact has been identified by AEMO or raised by participants. • IESS IRP/BDU: Transition timings to be agreed and confirmed prior to 3 June – staggered deployment provides readiness flexibility. There is no go-live dependency from the participants’ BDU implementation activities.
CONTINGENCY	Contingency approaches developed and contingency actions proposed		<p>Contingency approaches: Agreed contingencies being monitored. No trigger points exceeded at 3-month (Feb) checkpoint. Contingencies will be monitored and reviewed for the 1-month (May) go-live checkpoint.</p>

Implementation forum and ITWG



< 1 months until market trial
< 3 months until go-live



FEBRUARY 2024 DISCUSSIONS

- Pre-production refresh
- Readiness checkpoint
- Contingency approaches contd.
- PDSE activity
- IESS market trial planning
- Industry readiness update
 - Including draft IESS go-live plan
- Ongoing stakeholder engagement
 - Weekly PDSE Q&A session
 - IESS settlements 1to1 discussions
 - MSP information session
 - IRP general briefing and Q&A
 - BDU Readiness Focus Group #3

MARCH 2024 DISCUSSIONS

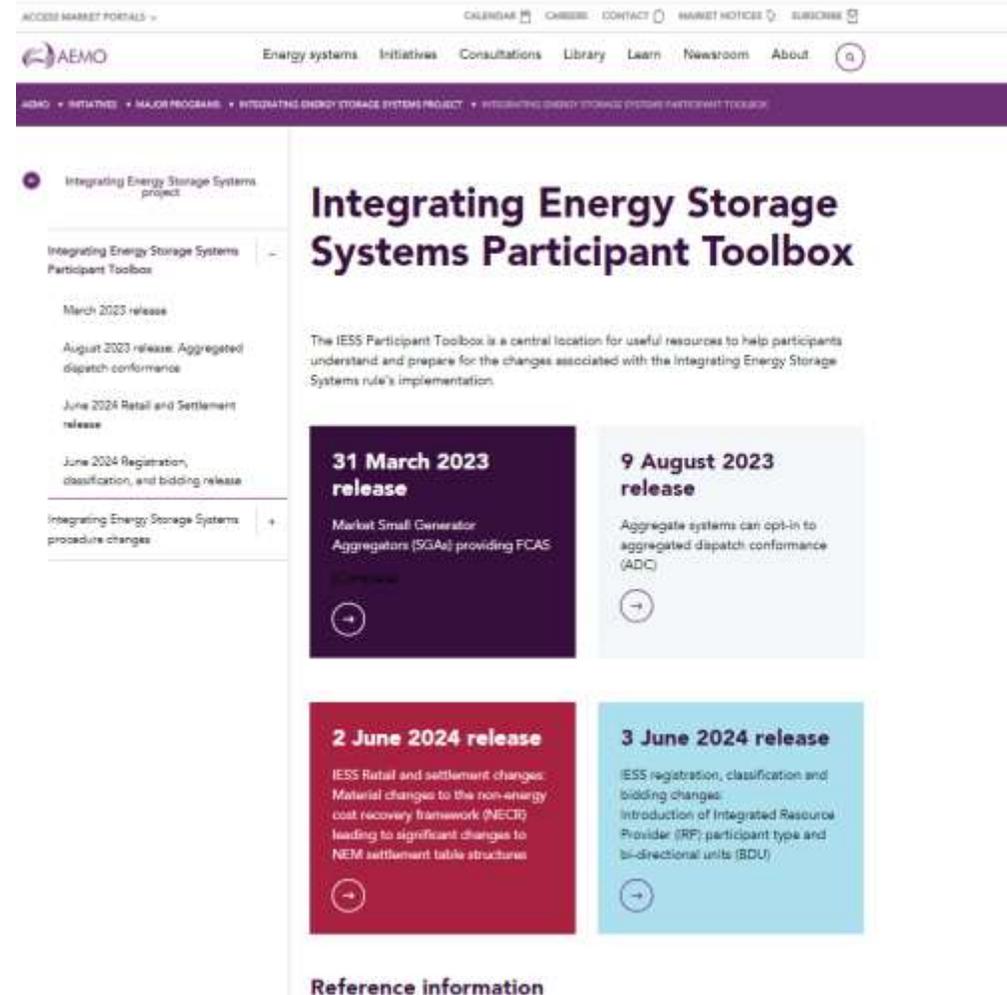
- Debrief on readiness checkpoint
- Industry readiness update
 - Including draft IESS go-live plan
- Detailed IESS market trial planning
 - Test script / workbook development
 - Detailed schedule of activities for invitation and bi-lateral scenarios
 - Confirmation of test reporting
 - Establish participant Practitest access and deliver training
- Ongoing stakeholder engagement
 - Weekly PDSE and Market Trial Q&A sessions
 - BDU Readiness Focus Group #4
 - IESS settlements 1to1 discussions

I ESS material

REMINDER

Refer to the IESS participant toolbox for key project information

Contact:
IESS@aemo.com.au



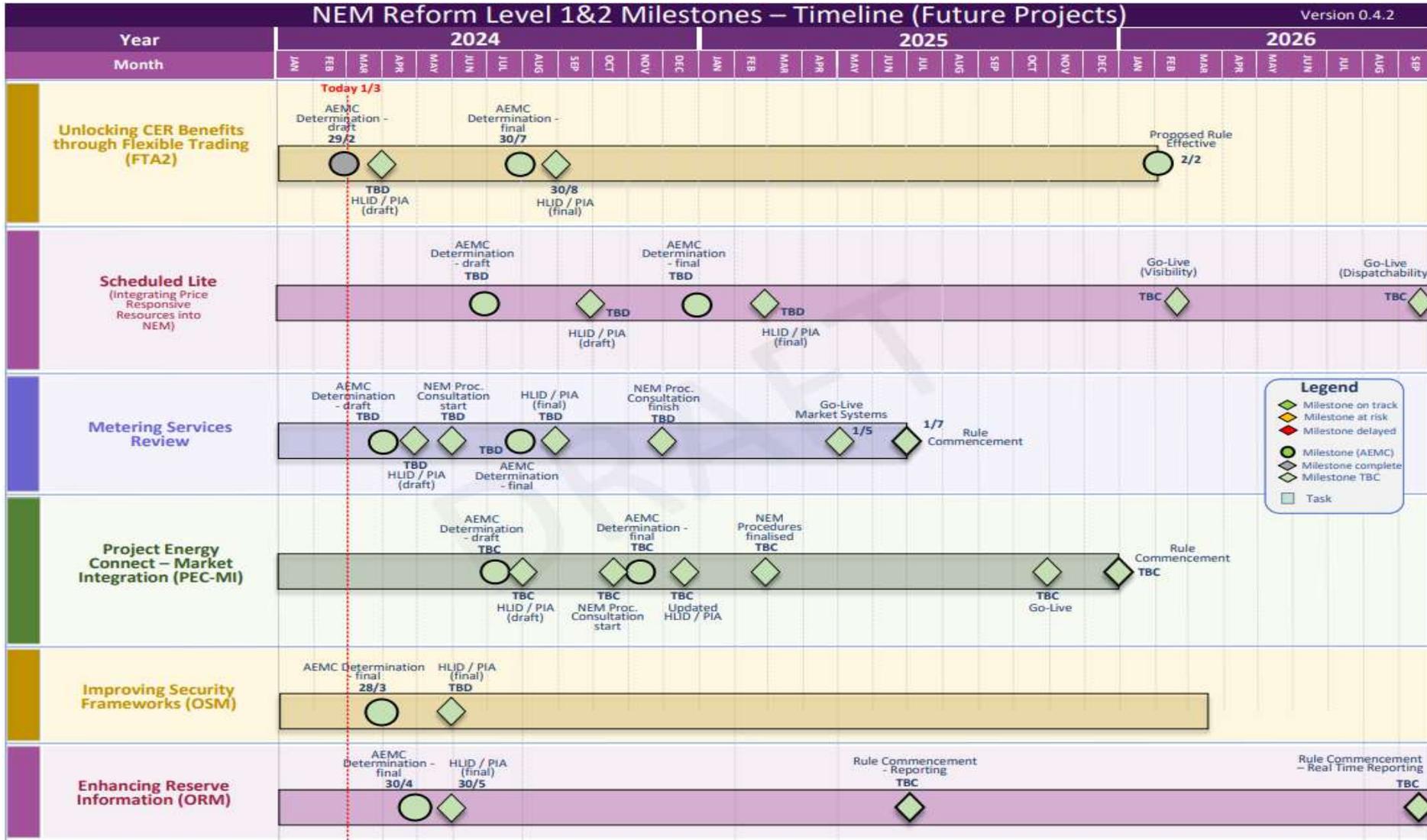
The screenshot shows the AEMO website's 'Integrating Energy Storage Systems Participant Toolbox' page. The page features a navigation menu at the top with links for 'Energy systems', 'Initiatives', 'Consultations', 'Library', 'Learn', 'Newsroom', and 'About'. Below the navigation, there is a breadcrumb trail: 'AEMO > INITIATIVES > MAJOR PROGRAMS > INTEGRATING ENERGY STORAGE SYSTEMS PROJECT > INTEGRATING ENERGY STORAGE SYSTEMS PARTICIPANT TOOLBOX'. The main content area is titled 'Integrating Energy Storage Systems Participant Toolbox' and includes a sub-section 'Integrating Energy Storage Systems Participant Toolbox' with a list of releases: 'March 2023 release', 'August 2023 release: Aggregated dispatch conformance', 'June 2024 Retail and Settlement release', and 'June 2024 Registration, classification, and bidding release'. Below this list, there are four highlighted release boxes: '31 March 2023 release' (Market Small Generator Aggregators (SGAAs) providing FCAS), '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 structures), and '3 June 2024 release' (IESS registration, classification and bidding changes: Introduction of Integrated Resource Provider (IRP) participant type and bi-directional units (BDU)). At the bottom of the page, there is a section for 'Reference information'.

5. NEM Reform – Forward Plan

Upcoming Initiatives – Ways of Working

Greg Minney

Upcoming Initiatives



Upcoming Initiatives

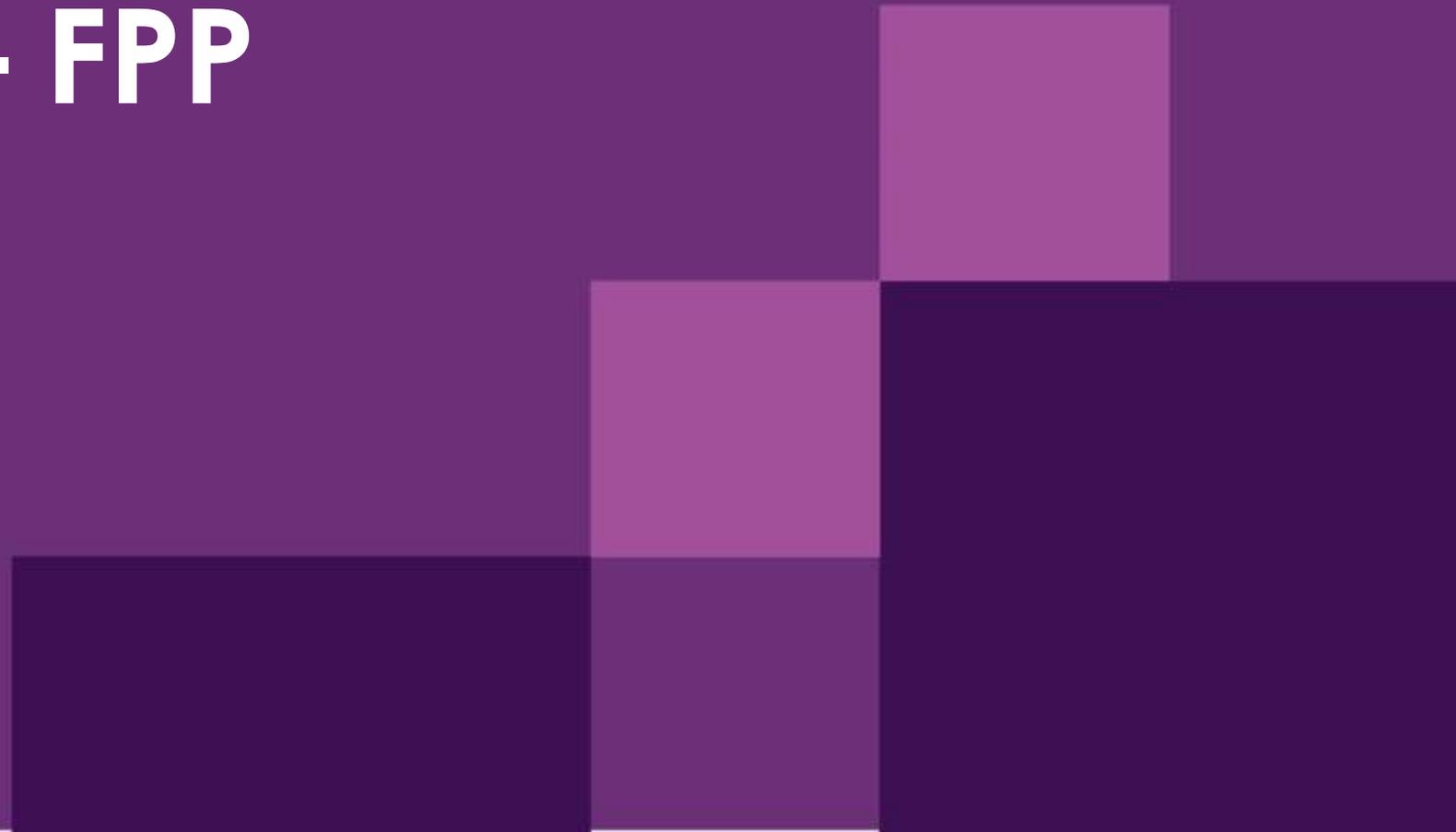


- **Unlocking CER Benefits through Flexible Trading**
 - AEMC has issued Draft Determination
 - Sets Proposed Rule Commencement Date of 2 Feb 2026
 - Requests stakeholder submissions on Draft 11 April 2024
 - Final determination July 2024
 - Based on these timings AEMO will endeavour to bring forward publication of draft HLID/PIA, from estimated 26/4 issue date TBC
- **Smart Meter Deployment (Metering Services Review)**
 - AEMO anticipates a Draft Determination will be issued by end March 2024
 - AEMO will confirm policy direction on review of Draft and plans to issue Draft HLID/PIA by end April (date dependent on Draft available in March)
 - Subject to confirmation of policy direction and proposed rule commencement dates – AEMO may also seek to commence procedures consultation in advance of final determination
- **Improving Security Frameworks**
 - AEMO will review policy and Rule Commencement Dates on publication of final Determination – expected 28 March
 - Planned Issue of HLIA/PIA based on final determination end May (TBC)

6. NEM Reform Initiative Updates

June 2025 – FPP

Oliver Derum



FPP- External Milestones NFO (as at 1/3/24) - Delivery

Level	Milestone ID	Milestone	Project	Target Date	Expected Date	RAG	Tentative / Confirmed	Commentary
Level 2	FPP-221	High Level Technical Design (External)	FPP-NFO	15-Dec-2023	8-Dec-2023		Confirmed	
Level 2	FPP-222	Participant Readiness Approach (incl. Dev Support Reqmts) published	FPP-NFO	1-Feb-2024	1-Feb-2024		Confirmed	
Level 2	FPP-230	Readiness Criteria available (NFO)	FPP-NFO	29-Feb-2024	29-Feb-2024		Confirmed	
Level 2	FPP-217	Data Model 5.3.1 Tech Spec (FPP Reports)	FPP-NFO	15-Apr-2024		Green	Confirmed	Project resource to deliver confirmed
Level 2	FPP-227	Industry Test Strategy (NFO) published	FPP-NFO	7-Jun-2024		Green	Confirmed	
Level 2	FPP-212	AEMO Internal Testing commenced (NFO)	FPP-NFO	3-Jul-2024		Green	Confirmed	
Level 2	FPP-229	Industry Test Plan published (NFO)	FPP-NFO	2-Sep-2024		Green	Confirmed	
Level 2	FPP-231	Industry Development finish (NFO)	FPP-NFO	1-Oct-2024		Green	Tentative	
Level 2	FPP-232	Readiness Checkpoint - Industry Test start (NFO)	FPP-NFO	15-Oct-2024		Green	Confirmed	
Level 1	FPP-103	AEMO Internal Development & Testing complete (NFO)	FPP-NFO	22-Oct-2024		Green	Confirmed	
Level 2	FPP-225	Pre-Production Release (NFO)	FPP-NFO	25-Oct-2024		Green	Confirmed	
Level 2	FPP-233	Data Model 5.3.1 available in Pre-Prod	FPP-NFO	25-Sep-2024		Green	Confirmed	
Level 1	FPP-104	Industry Test start (NFO)	FPP-NFO	25-Oct-2024		Green	Confirmed	
Level 2	FPP-234	Industry Go-Live Plan published - draft (NFO)	FPP-NFO	4-Nov-2024		Green	Confirmed	
Level 2	FPP-236	Readiness Checkpoint - Go-Live (NFO)	FPP-NFO	8-Nov-2024		Green	Confirmed	
Level 2	FPP-235	Industry Go-Live Plan published - final (NFO)	FPP-NFO	18-Nov-2024		Green	Confirmed	
Level 2	FPP-215	Industry Test finish (NFO)	FPP-NFO	22-Nov-2024		Green	Confirmed	
Level 2	FPP-238	Data Model 5.3.1 available in Prod	FPP-NFO	9-Dec-2024		Green	Tentative	
Level 2	FPP-246	Production Release (NFO)	FPP-NFO	28-Nov-2024		Green	Confirmed	
Level 1	FPP-105	Non-Financial Operations commences	FPP-NFO	9-Dec-2024		Green	Confirmed	

FPP- External Milestones FO (as at 1/3/24) - Delivery

Level	Milestone ID	Milestone	Project	Target Date	Expected Date	RAG	Tentative / Confirmed	Commentary
Level 2	FPP-218	Data Model 5.4 Tech Spec (Settlement Reports)	FPP-FO	22-Sep-2024		Green	Confirmed	
Level 2	FPP-214	Participant Readiness Approach complete (Financial Operation)	FPP-FO	1-Oct-2024		Green	Confirmed	
Level 2	FPP-237	AEMO Internal Testing commenced (FO)	FPP-FO	28-Nov-2024		Green	Tentative	
Level 2	FPP-223	Market Trial Strategy published (Financial Operation)	FPP-FO	31-Jan-2025		Green	Tentative	
Level 2	FPP-224	Readiness Criteria available (Financial Operation)	FPP-FO	31-Jan-2025		Green	Tentative	
Level 2	FPP-246	Market Trial Plan complete (Financial Operation)	FPP-FO	10-Feb-2025		Green	Tentative	
Level 2	FPP-239	Industry Go-Live Plan published - draft (Financial Operation)	FPP-FO	28-Feb-2025		Green	Tentative	
Level 2	FPP-240	Readiness Checkpoint - Market Trial start (Financial Operation)	FPP-FO	28-Feb-2025		Green	Tentative	
Level 2	FPP-241	Industry Development Finish (Financial Operation)	FPP-FO	15-Mar-2025		Green	Tentative	
Level 2	FPP-242	Data Model 5.4 available in Pre-Prod	FPP-FO	15-Mar-2025		Green	Tentative	
Level 2	FPP-226	Pre-Production Release (Financial Operation)	FPP-FO	14-Mar-2025		Green	Tentative	
Level 1	FPP-108	Market Trial start (Financial Operation)	FPP-FO	17-Mar-2025		Green	Tentative	
Level 2	FPP-243	Industry Go-Live Plan published - final (Financial Operation)	FPP-FO	28-Mar-2025		Green	Tentative	
Level 1	FPP-107	AEMO Internal Development & Testing complete (Financial Operation)	FPP-FO	31-Mar-2025		Green	Confirmed	
Level 2	FPP-244	Readiness Checkpoint - Financial Operation	FPP-FO	9-May-2025		Green	Tentative	
Level 2	FPP-245	Market Trial finish (Financial Operation)	FPP-FO	20-May-2025		Green	Tentative	
Level 1	FPP-109	Production Release (Financial Operation)	FPP-FO	4-Jun-2025		Green	Tentative	
Level 1	FPP-106	FPP Project Go-Live / Rule Commencement	FPP-FO	8-Jun-2025		Green	Confirmed	

Available FPP resources

Type	Details
Technical documents	High-level technical data design Frequency Contribution Factor Tuning Parameters and Input Sources Frequency Contribution Factors Procedure AEMO FPP FAQ document
Readiness documents	Readiness & Go-Live Criteria for Non-Financial Operation New
Slide packs	FPP Industry impacts and timings workshop FCFP – Stakeholder technical workshop (reporting) FCFP development technical workshop FCFP Consultation (includes financial analysis)
Video explainers	Eight video explainers on different aspects of the FPP system are published on the FPP project page on AEMO’s website .
Fact sheets	Overview of the FPP reform FPP calculations and participant outcomes
Information session material	The presentation and recording from the 23 February 2024 Information session have recently been published. New

All resources are available from the FPP project page on AEMO’s website: <https://www.aemo.com.au/energy-systems/electricity/national-electricity-market-nem/system-operations/ancillary-services/frequency-contribution-factors>

June 2025: Frequency Performance Payments

FREQUENCY PERFORMANCE PAYMENTS (FPP)

Key Date(s)	Go-live June 2025;
Likely impacted stakeholders	Generators, Market Customers
Industry testing anticipated	Extended period of non-financial operation for participant validation expected, Scope/approach of Industry testing TBC

Procedures	Technical documentation	AEMO Development and Internal Testing	Industry readiness and Transition	Industry testing	Deployment and go-Live
<ul style="list-style-type: none"> Final Primary Frequency Response Requirements procedure published 4 May. Final Frequency Contribution Factor Procedure published 1 June, along with the related Tuning Parameters and Input Sources document. 	<ul style="list-style-type: none"> High Level Technical Design issued 8th December Data Model Technical Specification with updates for FPP reporting – April 2024 Data Model Technical Specification with updates for FPP Settlements reporting – Sept 2024 	<ul style="list-style-type: none"> AEMO development in Progress, and on track for NFO Data integration Jun to Dec 2023 (NFO) Settlements system development Jul to Dec 2024 (FO) 	<ul style="list-style-type: none"> Readiness approach to agreed Feb 24 Readiness Criteria for NFO to be published for review with Industry end March April-Sept 2024 	<ul style="list-style-type: none"> FPP calculation testing Dec 2024 (non-financial operation) Settlements testing April 2025 	<ul style="list-style-type: none"> Pre-prod releases 1+2 Nov 2024 (start and end) Pre-prod releases 3+4 start and mid-March 2025 Prod release end May 2025

<p>Relevant links</p> <p>AEMO Frequency Contribution Factors page (Contains Frequency Contribution Factors Procedure and Tuning Parameters)</p> <p>AEMO Frequency Contribution Factors Procedure Consultation Page</p> <p>AEMO Frequency Performance Payments project</p>
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Foundational & Strategic Initiatives

Andrew Bell

Background & Context

- AEMO and Industry collaborated via the Foundational and Strategic Initiatives (FaSI) Working Group through the course of 2023 and early 2024
- Business case has now been through drafting and formal submissions with the final FaSI Working Group held 12th March covering:
 - Key themes from formal submissions
 - The updates to the business case

Key themes from submissions included:

- Summarising all benefits to a single slide
- Greater clarity on residual security risk and the approach to compliance
- A few revised cost submissions
- Inclusion of the factors driving the risk matrix

Background & Context – Options



- No change has occurred to the options nor recommendation
- AEMO have assessed two broad options:
 - Continued reactive & tactical investment (minimum compliance for security).
 - Strategic step change – establishing fit for purpose foundational capability.
- These options cover the three key capabilities originally identified as foundational for NEM Reform:
 - Identity and Access Management.
 - Portal Consolidation.
 - Industry Data Exchange.
- AEMO recommends proceeding with strategic step change with a phased investment for Industry Data Exchange.

Vision and Benefits of IDAM, IDX and PC initiatives

Vision

Creating **extensible, resilient and secure** enabling technology frameworks (identity management, data exchange and web access) that underpin AEMO's services to and between NEM market participants, extensible to WEM and gas.

AEMO Overall Benefits

- ✓ Supportability of the technology ongoing (transition away from a proliferation of custom solutions)
- ✓ Reduction in security vulnerability risk through move to 'secure by design' technology
- ✓ Ability to implement reform initiatives faster through scaling resourcing and more modular solutions
- ✓ Key plank of plans to meet SOCI Compliance – both minimum and evolving requirements

Industry Overall Benefits

- ✓ Reduced operational costs through self-service and
- ✓ Lowered barriers to entry for participants, including in emerging markets
- ✓ Lowered localisation costs of global industry technology solutions, e.g. CIS platforms
- ✓ Improved security posture and assists industry in meeting their SOCI obligations

IDENTITY & ACCESS MANAGEMENT



A unified mechanism to authenticate and authorise external identity and entitlements when accessing AEMO services, consolidating and improving overall cyber security controls.

Specific Benefits

- ✓ Provides support for organisational hierarchy and federation
- ✓ Enhanced security and alignment with industry obligations and best practice in cyber security controls (e.g. multifactor authentication)
- ✓ Enhanced self-service auditing and reporting capabilities to support industry's governance and compliance and reduce operational costs

INDUSTRY DATA EXCHANGE



A unified data exchange mechanism to support the secure and efficient exchange of data between energy stakeholders for new services required by NEM Reforms, existing legacy services and provide a framework extensible to other energy markets.

Specific Benefits

- ✓ Efficiently consolidates the development of data exchange protocols for new business services – avoiding protocol 'bloat', minimising siloed development & improving speed to market for new reforms
- ✓ Aligns with changing participant systems and cyber security obligations
- ✓ Improves transaction timeliness & reduces incidence of stop files
- ✓ Enables the scalable extension of existing business services [IDX Transition]
- ✓ Enable compartmentalisation of schema changes, thereby reducing regression testing costs of twice-yearly market changes [IDX Transition]

PORTAL CONSOLIDATION



A new web and mobile user portal to provide a unified stakeholder experience. The portals framework is an enabling platform that supports energy market participants and other partners to consume AEMO browser services in a secure manner.

Specific Benefits

- ✓ Standardised experience to consume AEMO browser services
- ✓ Enhance self-service capabilities for market participants
- ✓ Integration with the enterprise identity management and user authentication solution
- ✓ Enables improved user experience by establishing standards for navigation, look and feel and help menus

Residual security risk – Business Case context

Community expectations and **government directives and legislation** impose additional accountabilities and responsibilities for AEMO and industry to safeguard the critical services we collectively operate and protect our customers from impact.

The IDAM, IDX and PC initiatives under this business case address establishing target / end state capability for a subset of these services and are expected to be taken as an input into the overall compliance programs that AEMO and industry individually orchestrate.

Overall AEMO and industry cyber programs

↑ Inputs into

IDAM, IDX and PC:

By August 2024 (outside this Business Case)

Post August 2024 (within this Business Case)

Immediate term – High risk vulnerabilities

- Examples may include:
- Hardening of APIs that are internet enabled
 - Enhance visibility and API cyber incident management process
 - Where appropriate, enhanced controls and monitoring

Outside the scope of this business case – refer to AEMO cyber program

Immediate term – second tier vulnerabilities

- Action plan to address second tier vulnerabilities (this Business Case forms such an action plan)

Takes inputs from this business case

Medium term – continuous risk management

- While end state capability is being delivered and / or transition is in progress new requirements may identify a need to assess:
- Additional process controls
 - Additional transitional states applicable to participants who defer transition late into the sunset timelines

Managed through the Transition Roadmap Governance process proposed under this business case

End state

- Delivery of end state capability providing security uplift
- Transition of services across to the new capability (may be progressive – subject to transition approach)

The focus of this business case

Addressing residual security risks

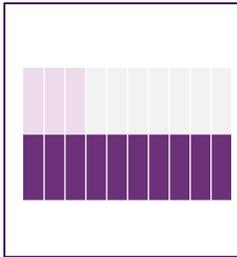
- Option 1
- Option 2a
- Option 2b

Addressing Residual Security Risk*

Identity and Access Management

Option 1

Option 2a

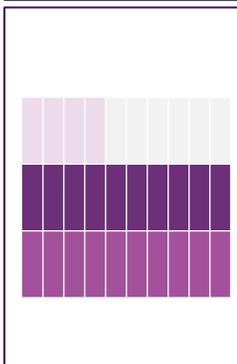


Industry Data Exchange

Option 1

Option 2a

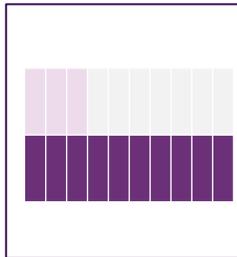
Option 2b



Portal Consolidation

Option 1

Option 2a



Option 1 (SOCl compliance driven)

Available from Q2 2025

IDAM delivery

- Implement Multi Factor Authentication (MFA) to enable two step authentication for the browser services
- Enhance self-certification management process

IDX Foundation & new services

- Migrate from FTP to SFTP
- Move APIs to OAuth authentication and authorisation pattern
- Deliver secure solution for large file transfer

Subject to DP2 - Available from Q4 26 (Wholesale) Q3 27 (Retail)

IDX Transition (legacy services)

- Progressive transition from insecure legacy protocols to secure IDX foundational protocols
- Further reduction in attack surface area

Available from Q2 2025

PC delivery

- Enhance existing browser services to integrate with IDAM to address legislative requirements
- Retire standalone MSATS browser URL, now available in Markets Portal

Option 2 (Strategically Driven)

Available from Q2 2025

IDAM delivery

- Secure Identity and Authorisation target state enabled
- Rationalisation of identity stores and solutions
- Improved audit and monitoring

IDX Foundation & new services

- New services established on target state, secure framework
- Containment of growth of attack surface area

Subject to DP2 - Available from Q4 26 (Wholesale) Q3 27 (Retail)

IDX Transition (legacy services)

- Progressive transition from insecure legacy protocols to secure IDX foundational protocols
- Further reduction in attack surface area

Available from Q2 2025

PC delivery

- Secure Portal framework provided
- Internet enabled services leverage secure framework

Both Option 1 and Option 2 address AEMO and industry's end state SOCl security compliance obligations (within the context of the scope of this business case).

Capability will be available for industry in equivalent timeframes under both options, noting extended sunset timelines requested by industry for IDX Transition subject to DP2.

Option 2 provides further reductions in residual security risk beyond bare minimum compliance through the establishment of secure by design consolidated capability and resulting reduced attack surface area.

Financial Assessment: Full Scope Delivery (Industry-wide)

For IDAM and PC, Option 2 strategic target state compared to Option 1 addresses the key drivers at a delta TCO of \$44M and \$17M respectively – this is a conservative (high watermark) estimate given industry cost impacts associated with IDAM Option 1 and industry cost savings (benefits) associated with IDAM and PC have not been quantified. IDX Option 2 compared to Option 1 has a delta TCO of \$213M, due primarily to the costs associated with migrating legacy services.

		AEMO Costs		Industry Costs	
		Implementation	TCO	Implementation	TCO
<i>Figures presented to nearest million, with a +/- 40% uncertainty range</i>					
 Identity and Access Management	Option 1	\$4	\$20	\$2	<i>Costs expected but unquantified</i>
	Option 2a	\$21	\$28	\$38	<i>Cost-savings expected but unquantified</i>
 Industry Data Exchange	Option 1	\$10	\$46	\$75	<i>Costs expected but unquantified</i>
	Option 2a	\$51	\$71	\$260	<i>Cost-savings expected but unquantified</i>
	Option 2b	\$42	\$62	\$182	<i>Cost-savings expected but unquantified</i>
 Portal Consolidation	Option 1	< \$1	\$2	< \$1	<i>n/a</i>
	Option 2a	\$6	\$8	\$13	<i>Cost-savings expected but unquantified</i>

Recommendations

PROCEED with IDAM Strategic target state, conservative industry-wide delta TCO of \$44M is justified by the reduction in residual security risk and industry pain point benefits.

UNABLE TO RECOMMEND TO FULLY PROCEED AT THIS STAGE – Industry cost impacts relating to transition reflect a high level of uncertainty, recommend a reconsideration of investment approach (see following slide)

PROCEED with PC strategic target state, conservative industry-wide delta TCO of \$17M is justified by the reduction in residual security risk and industry pain point benefits.

Recommendation Summary

Compelling drivers exist to develop new foundational capability across IDAM, IDX and PC areas. Given short term reform roadmap congestion & need for fiscal prudence, *AEMO recommends a phased investment approach for IDX* to address critical security needs, support near-term NEM reforms, provide flexibility for the future & address priority industry pain points.

RECOMMENDATION

RATIONALE



Identity and Access Management

PROCEED with a Strategic target state, AEMO investment of **\$21M¹** over 2 years

- Address key security vulnerabilities and reduce attack surface area – identity management is the most impactful “weak link” in the cyber security chain
- Manage expected increase in identities for management: DERs, small generators
- AEMO TCO cost differential of **\$8M** & total Industry costs of **\$38M** are smaller than the potential cost and customer impact of security breaches



Industry Data Exchange

PROCEED with a Strategic target state Foundation phase, AEMO investment of **\$20M** over 2 years

- As the grid becomes digitised, data exchanged is increasing in volume, frequency and requires lower latency
- IDX Foundation phase represents an efficient and unified implementation of data exchange capabilities across multiple reforms requiring it (AEMO costs are **\$20M** compared to **\$29M** if done initiative by initiative, and participants also see a cost efficiency)
- Migrating legacy services is difficult to assess at this stage given the cost uncertainty and value uncertainty. Deferring the decision point on migrating legacy services – IDX Transition phase – allows for more certainty on cost and value estimates and more information to guide optimising the transition approach.



Portal Consolidation

PROCEED with a strategic target state, AEMO investment of **\$6M** over 2 years

- Portal Consolidation Strategic target state delivers benefits to address identified industry pain points for a TCO cost differential of **\$6M** for AEMO and **\$13M** for industry
- Reduces AEMO’s attack surface area in the most common ‘entry point’ for bad actors

Next Steps: Key Milestones

Date	Key Milestones
Tuesday 19 December 2023	Release of draft business case package
Monday 22 January 2024	Draft business plan walk through session with stakeholders
Tuesday 23 January to Thursday 8 February 2024	Additional 1 on 1 meetings with stakeholders – contact NEMReform@aemo.com.au to arrange
Friday 9 February 2024	Stakeholder submissions due on draft business case package NEMReform@aemo.com.au
Wednesday 14 February 2024	Program Consultative Forum (PCF) meeting update
Monday 26 February 2024 (TBC)	Publish “Business Case – Draft”
Tuesday 12 March 2024	Second / final stakeholder session – walk through of updates, next steps, closure of working group
Thursday 28 March 2024	Present at NEM Reform Executive Forum “Business Case – Draft”
End April 2024 (TBC)	Issue final Business Case and confirm Decision.

Next Steps: The ask of FaSI WG

AEMO would like to thank industry for their participation throughout 2023 via the Foundational and Strategic Initiatives Focus Group (FaSI FG); this participation, collaborative engagement and development of the target state, transition strategy and business case inputs including costs and benefits has enabled the development of this package. The development and assessment of options in the draft business case package would not have been possible without this collaboration.

We also thank industry for providing formal submissions on the draft business case package. The detailed feedback has enabled AEMO to improve the general quality of this document, address ambiguity in language and presentation, and clarify very relevant queries.

Ask of FaSI

- Brief your Executive Forum representatives so that they are prepared for the **28 March** Executive Forum.



Retail Market Improvements September / November Release

Greg Minney

September 2024 Retail Market Improvements Release

- AEMO has completed consultation on various changes to its Retail and Metering Procedures and issued final report on 15 December 2023
 - July 2023 Retail Electricity Market Procedures Consultation: <https://aemo.com.au/consultations/current-and-closed-consultations/july-2023-retail-electricity-market-procedures-consultation>
- Report has established procedure effective dates for:
 - A preferred longer-term Net System Load Profile (NSLP) Methodology (ICF_072)
 - Considers situations where positive and negative NSLP trading interval values are present.
 - Procedure Effective Date 29 September 2024
 - 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
 - Procedure Effective Date 4 November 2024
- AEMO is currently considering finalising development and implementation plans and timings (including Industry Test) to support introduction of both ICFs.

September 2024: Retail Market Improvement

Retail market Improvements: NSLP Update, Metering substitutions

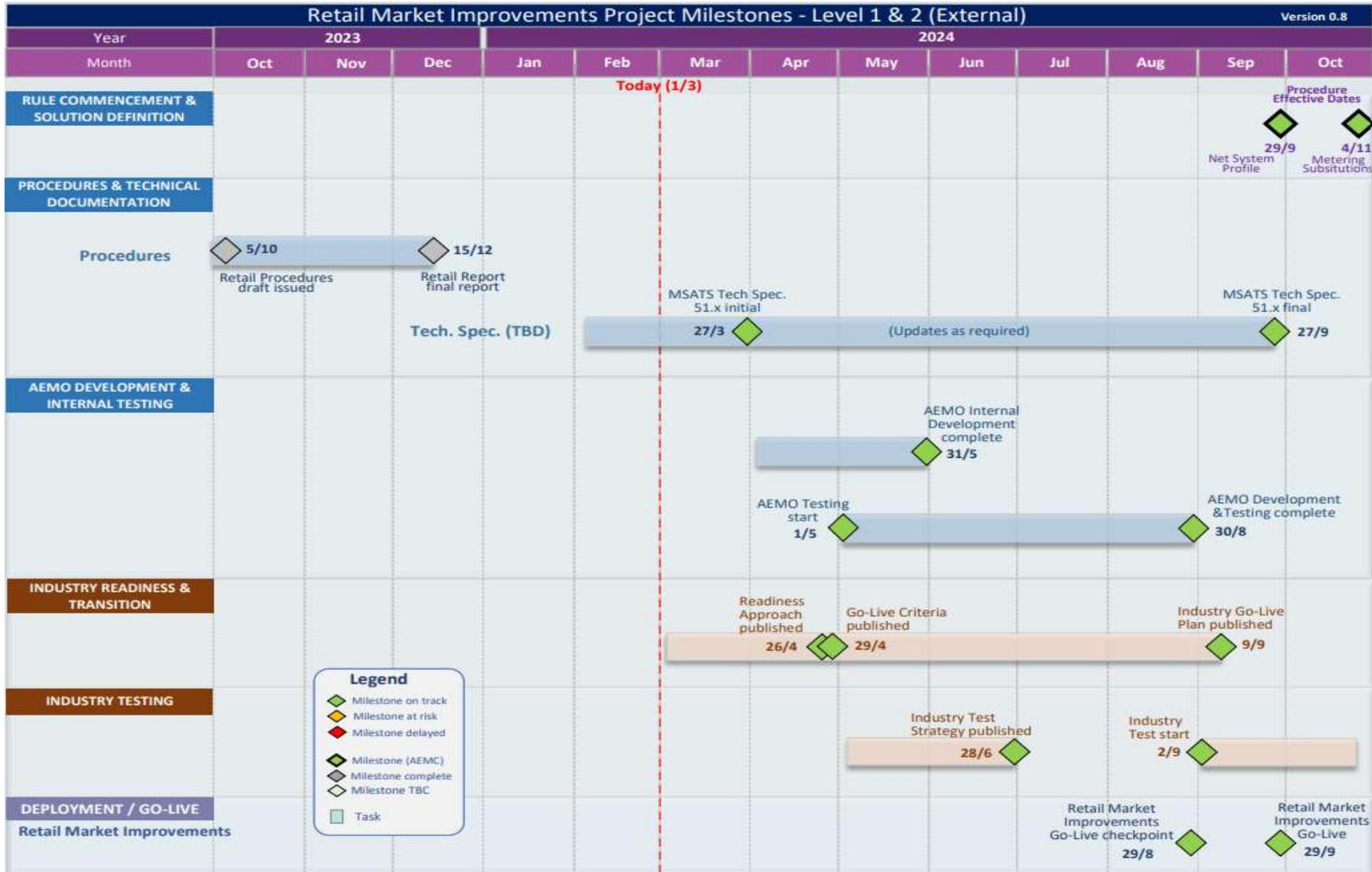
Key Date(s)	NSLP Effective Date 29 th September 2024, Metering Substitutions effective date 4 th November 2024
Likely impacted stakeholders	FRMP, DNSP, MDP
Industry testing anticipated	Industry Testing
Overall status	Overall Green , Implementation milestones baselined

Procedures	Technical documentation	AEMO Development and Internal Testing	Industry readiness and Transition	Industry testing	Deployment and go-Live
<ul style="list-style-type: none"> Retail/Metering Procedures final report published 15 December 2023 <ul style="list-style-type: none"> ICF_072 – preferred longer term NSLP methodology Substitution Types review (ICF_054) to provide Clearer understanding of reason and method used to support a metering data value 	<ul style="list-style-type: none"> Tech Spec update timings to support ICF_054 initial release scheduled for 27th March 	<ul style="list-style-type: none"> Initial Design process has commenced Development and AEMO internal testing approach planned . 	<ul style="list-style-type: none"> Initiative Readiness Approach draft to be provided to agree industry support approach 	<ul style="list-style-type: none"> Expectation that AEMO will facilitate Industry Testing for NSLP change in similar approach to recent 5MLP testing (TBC) Industry Testing for ICF_054 to be supported up to procedure effective date 	<ul style="list-style-type: none"> System Deployment date TBC 29th September procedure effective date NSLP 4th November procedure effective date substitution Types Review

Relevant links

[AEMO | July 2023 REMP Consultation](#)

September Release Timeline



September – Retail Improvements – milestones

Level	Milestone ID	Milestone	Target Date	Expected Date	Status	RAG	Tentative / Confirmed	Commentary
Level 2	RMI-201	Retail Procedures draft issued	5-Oct-2023	5-Oct-2023	Complete		Confirmed	
Level 2	RMI-202	Retail Report final report	15-Dec-2023	11-Dec-2023	Complete		Confirmed	
Level 2	RMI-211	MSATS Tech Spec initial	27-Mar-2024			Green	Confirmed	
Level 2	RMI-203	Readiness Approach published	26-Apr-2024			Green	Confirmed	
Level 2	RMI-204	Go-Live Criteria published	29-Apr-2024			Green	Confirmed	
Level 2	RMI-212	MSATS Tech Spec final	27-Sep-2024			Green	Confirmed	
Level 2	RMI-205	Industry Test Strategy published	28-Jun-2024			Green	Confirmed	
Level 2	RMI-206	AEMO Internal Development complete	31-May-2024			Green	Confirmed	
Level 2	RMI-207	AEMO Internal Testing start	1-May-2024			Green	Confirmed	
Level 2	RMI-208	AEMO Development & Testing complete	30-Aug-2024			Green	Confirmed	
Level 1	RMI-101	Industry Test start	2-Sep-2024			Green	Confirmed	
Level 2	RMI-209	Retail Market Improvements Go-Live checkpoint	29-Aug-2024			Green	Confirmed	
Level 2	RMI-210	Industry Go-Live Plan published	9-Sep-2024			Green	Confirmed	
Level 1	RMI-102	Retail Market Improvements Go-Live	29-Sep-2024			Green	Confirmed	
Level 1	RMI-103	Net System Profile - Procedure Effective Date	29-Sep-2024			Green	Confirmed	
Level 1	RMI-104	Metering Substitution - Procedure Effective Date	4-Nov-2024			Green	Confirmed	

7. NEM Reform Stakeholder Update

Upcoming Engagements

For Noting

Upcoming Engagements

March							April						
M	T	W	T	F	S	S	M	T	W	T	F	S	S
				1	2	3	1	2	3	4	5	6	7
4	5	6	7	8	9	10	8	9	10	11	12	13	14
11	12	13	14	15	16	17	15	16	17	18	19	20	21
18	19	20	21	22	23	24	22	23	24	25	26	27	28
25	26	27	28	29	30	31	29	30					

May							June						
M	T	W	T	F	S	S	M	T	W	T	F	S	S
		1	2	3	4	5						1	2
6	7	8	9	10	11	12	3	4	5	6	7	8	9
13	14	15	16	17	18	19	10	11	12	13	14	15	16
20	21	22	23	24	25	26	17	18	19	20	21	22	23
27	28	29	30	31			24	25	26	27	28	29	30

NEM Reform Program Committees/Forums

Executive Fourm	Yellow
Reform Delivery Committee	Green
Reform Delivery Committee Collaborative Workshop	Cyan
Program Consultative Forum	Purple
Electricity Wholesale Consultative Fourm	Red
Implementation Forum	Pink
Industry Testing Working Group	Blue

NEM Reform Initiative Specific

Foudational and Strategic Initaitives Focus Group	Dark Grey
IESS Participant Development Support Environment (PDSE) Q&A	Yellow
IESS BAU Focus Group	Brown

Other Forums

Electricity Retail Consultative Forum	Light Green
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Other

National Public Holiday	Grey
State/Territory Public Holiday	Dark Grey

8. General Questions and Other Business



NEMReform@aemo.com.au



[NEM Reform Program Consultative 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, all participants agree to adhere to the CCA at all times and to comply with appropriate protocols where required to do so.

AEMO has developed meeting protocols to support compliance with the CCA in working groups and other forums with energy stakeholders. Before attending, participants should confirm the application of the appropriate meeting protocol.

To access the full protocol at AEMO's website, visit: <https://aemo.com.au/en/consultations/industry-forums-and-working-groups>

Appendix B: NEM Reform Program Engagement, Planning, Delivery and Readiness

For Noting

NEM Reform Program – 2023 delivery

Overview and description of NEM Reform Program Engagement, Planning, Delivery and Readiness processes.

Objectives

To work **collaboratively with industry** in setting a forward view aligned with reform timelines to support individual planning and delivery activities.

To **deliver effective solutions** that meet the reform objectives.

To **deliver as efficiently** as possible leveraging opportunities to **bundle, sequence and prioritise** projects within the Program, and where possible identify and **drive out costs** through solution design and implementation.

Engagement

Information channels

Media Releases, Newsroom articles, Newsletters, Website, Mailbox, infographics, Fact sheets & Tailored materials.

Consultation channels

Industry briefing's & information sessions, Consultative forums, One 2 one meetings, Surveys.

Stakeholder involvement

Working groups and focus groups.

Collaborative channels

EWCF, ERCF, PCF and Implementation Forum facilitate and support industry readiness.

Planning

NEM Reform Implementation Roadmap
(Visibility of implementation roadmap, long-term planning, bundling, sequencing and prioritizing of initiatives)

Reform Delivery Committee (RDC)
(Leverages industry insight to maintain the Implementation Roadmap)

NEM Reform Program Governance
(manage implementation impacts of policy/rules changes, stage gate, investment commitment)

Informed Go-Live Date Process
(High-level implementation design and participant impacts to assist in setting an informed go-live date for the Rule)

Participant delivery facilitation

Participant Impact Assessments & Development Timelines / Requirements
(identifies impacts to participants and the timeline needed for their development)

Participant technical information
(Provides participants with tech spec and interface information, testing support and environments, etc)

Participant self service
(timing and participant impact assessment, Self-serve videos outlining implementation design)

Industry Readiness

Industry readiness requirements
(Establish L1/L2 milestones, Readiness criteria, Readiness monitoring and reporting, Contingency Plans)

Industry Test, Transition & Go-Live
(Plan and facilitate industry testing and market trial, define industry transition plans, define/manage industry-wide go-live)

Appendix C: Commencement Updates - Retail Market Improvements September / November Release

For Noting

September 2024 Retail Market Improvements Release

- AEMO has completed consultation on various changes to its Retail and Metering Procedures and issued final report on 15 December 2023
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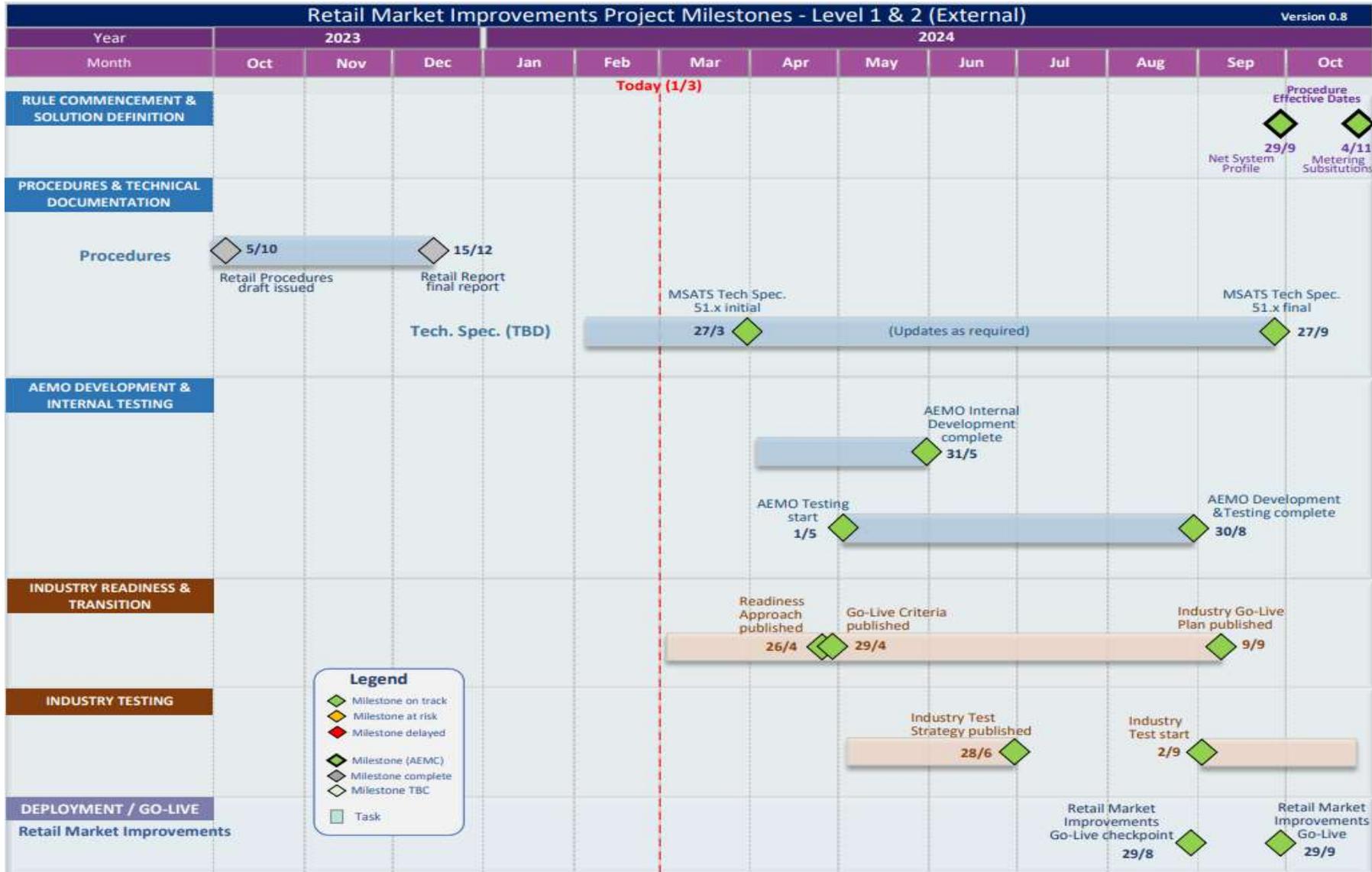
Key Date(s)	NSLP Effective Date 29 th September 2024, Metering Substitutions effective date 4 th November 2024
Likely impacted stakeholders	FRMP, DNSP, MDP
Industry testing anticipated	Industry Testing
Overall status	Overall Green , Implementation milestones baselined

Procedures	Technical documentation	AEMO Development and Internal Testing	Industry readiness and Transition	Industry testing	Deployment and go-Live
<ul style="list-style-type: none"> Retail/Metering Procedures final report published 15 December 2023 <ul style="list-style-type: none"> ICF_072 – preferred longer term NSLP methodology Substitution Types review (ICF_054) to provide Clearer understanding of reason and method used to support a metering data value 	<ul style="list-style-type: none"> Tech Spec update timings to support ICF_054 initial release scheduled for 27th March 	<ul style="list-style-type: none"> Initial Design process has commenced Development and AEMO internal testing approach planned . 	<ul style="list-style-type: none"> Initiative Readiness Approach draft to be provided to agree industry support approach 	<ul style="list-style-type: none"> Expectation that AEMO will facilitate Industry Testing for NSLP change in similar approach to recent 5MLP testing (TBC) Industry Testing for ICF_054 to be supported up to procedure effective date 	<ul style="list-style-type: none"> System Deployment date TBC 29th September procedure effective date NSLP 4th November procedure effective date substitution Types Review

Relevant links

[AEMO | July 2023 REMP Consultation](#)

September Release Timeline



September – Retail Improvements – milestones

Level	Milestone ID	Milestone	Target Date	Expected Date	Status	RAG	Tentative / Confirmed	Commentary
Level 2	RMI-201	Retail Procedures draft issued	5-Oct-2023	5-Oct-2023	Complete		Confirmed	
Level 2	RMI-202	Retail Report final report	15-Dec-2023	11-Dec-2023	Complete		Confirmed	
Level 2	RMI-211	MSATS Tech Spec initial	27-Mar-2024			Green	Confirmed	
Level 2	RMI-203	Readiness Approach published	26-Apr-2024			Green	Confirmed	
Level 2	RMI-204	Go-Live Criteria published	29-Apr-2024			Green	Confirmed	
Level 2	RMI-212	MSATS Tech Spec final	27-Sep-2024			Green	Confirmed	
Level 2	RMI-205	Industry Test Strategy published	28-Jun-2024			Green	Confirmed	
Level 2	RMI-206	AEMO Internal Development complete	31-May-2024			Green	Confirmed	
Level 2	RMI-207	AEMO Internal Testing start	1-May-2024			Green	Confirmed	
Level 2	RMI-208	AEMO Development & Testing complete	30-Aug-2024			Green	Confirmed	
Level 1	RMI-101	Industry Test start	2-Sep-2024			Green	Confirmed	
Level 2	RMI-209	Retail Market Improvements Go-Live checkpoint	29-Aug-2024			Green	Confirmed	
Level 2	RMI-210	Industry Go-Live Plan published	9-Sep-2024			Green	Confirmed	
Level 1	RMI-102	Retail Market Improvements Go-Live	29-Sep-2024			Green	Confirmed	
Level 1	RMI-103	Net System Profile - Procedure Effective Date	29-Sep-2024			Green	Confirmed	
Level 1	RMI-104	Metering Substitution - Procedure Effective Date	4-Nov-2024			Green	Confirmed	



For more information visit

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