

NEM Reform Implementation Forum

Meeting #19
27 February 2024



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	1:20–1:35pm	March 2024 release <ul style="list-style-type: none"> Progress Update Go Live Preparations and Post go Live support 	Chris Fleming
5	1:35-1:40pm	Pre-production Availability <ul style="list-style-type: none"> Pre-prod refresh timing & approach March / IESS / Other Lifecycle 	Chris Fleming
6	1:40–2:00pm	June 2024 Release <ol style="list-style-type: none"> Release update Contingency approach feedback & confirmation Approach to Go-Live: 3-month checkpoint PDSE feedback and approach Market trial planning – ITWG Engagement Readiness documentation and engagement 	Carla Ziser, Greg Minney, Chris Fleming
7	2:00-2:05pm	SCADA Lite 2024 Release <ul style="list-style-type: none"> SCADA Lite Update 	Greg Minney

#	Time	Topic	Presenter
8	2:05-2:20pm	September 2024 Release <ul style="list-style-type: none"> Retail Improvements – Scope & Timings / Milestones 	Greg Minney / Dylan Volkhardt
9	2:20-2:30pm	December 2024 Release / June 2025 FPP Release <ul style="list-style-type: none"> Progress Summary Industry Readiness Approach 	Oliver Derum Karen Wilbrink
10	2:30-2:40pm	Other Initiatives <ul style="list-style-type: none"> IDAM,IDX & Portal Consolidation Business Case Process 	Noting
11	N/A	Stakeholder Engagement <ul style="list-style-type: none"> Stakeholder Engagement Update (Verbal Update) Upcoming Engagements 	Monica Morona / David Reynolds
12	2:40–3:00pm	General Questions & Other Business -Sparse Data Model	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

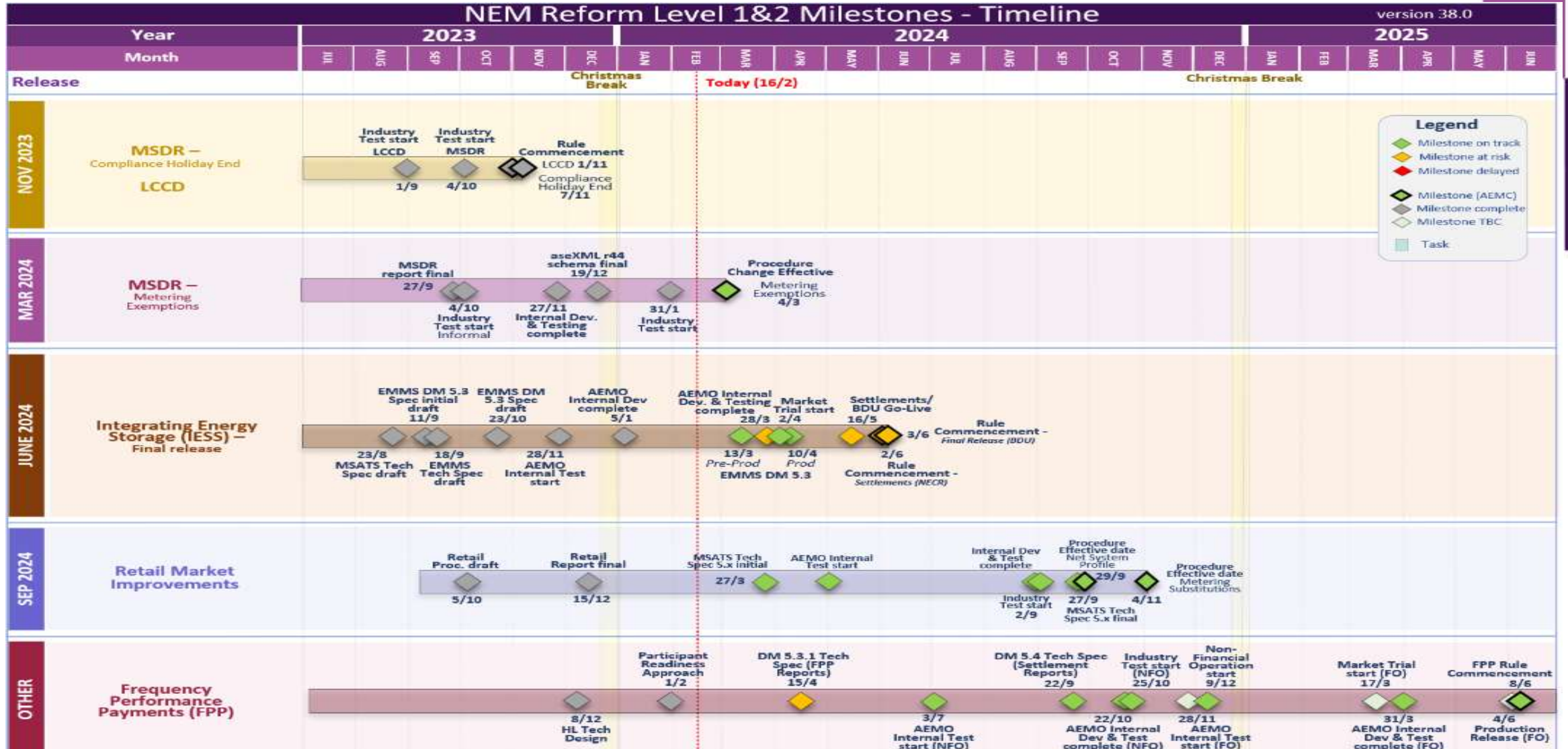
(Item = Meeting # – Agenda # – Reference)

Item	Topic	Action	Responsible	Status
17.8.0.1	December 2024 / June 2025 FPP Release	Participants to forward feedback and/or request clarification on the proposed readiness approach by emailing FPPconsultation@aemo.com.au .	Participants	Closed Refer to agenda item 9

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

3. 2024 / 2025 Release Summary

Release Summary milestones



4. March 2024 Release

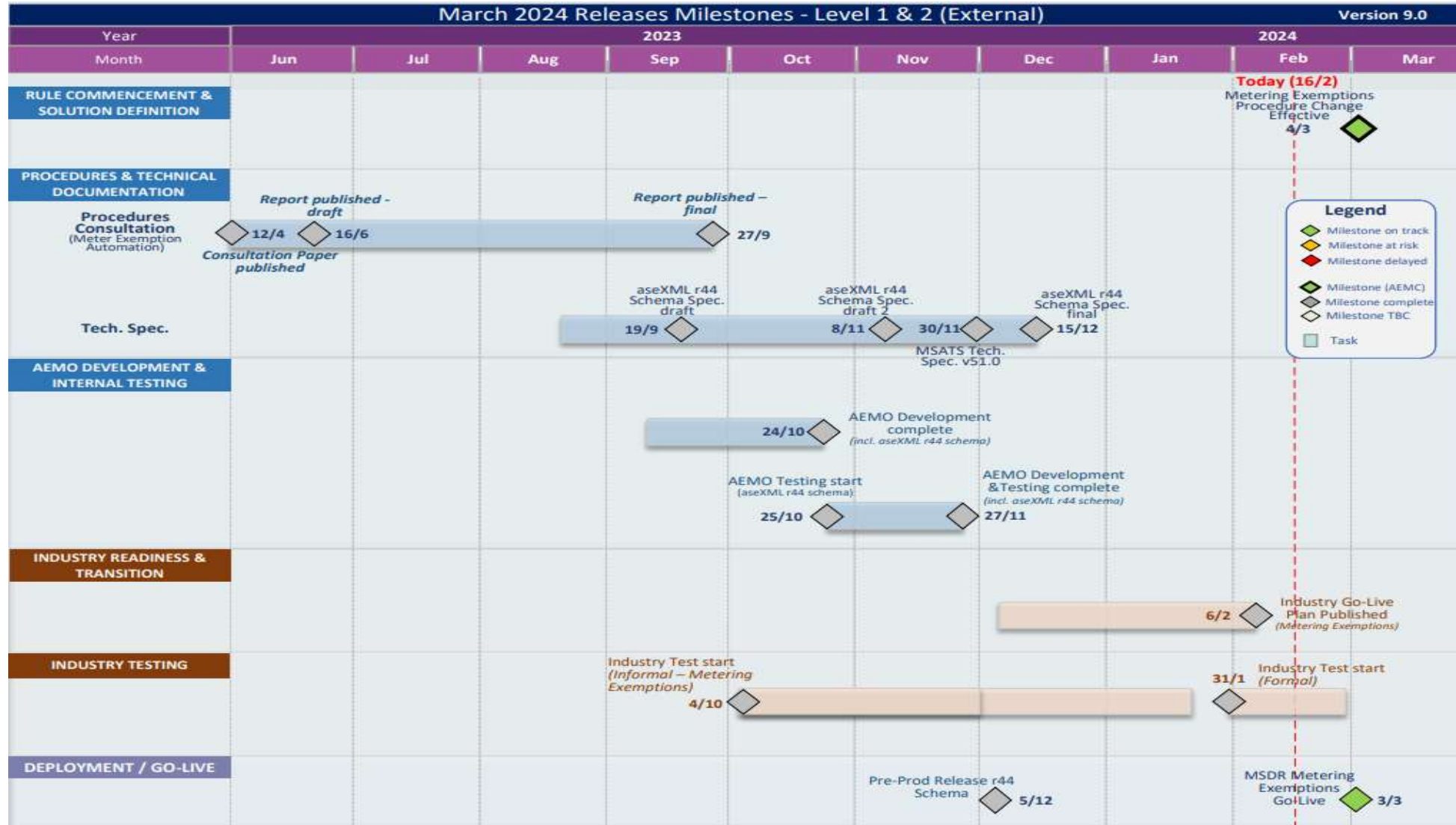
Metering Exemptions Automation

- MSATS defect release in preprod implemented on 30th January.
- Industry Testing
 - Commenced 31/01/24 and will run to 1/03/24.
 - Twice weekly Q&A sessions will continue to Thursday 7/03/24.
 - Testing is not 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 from remarks on the exemptions request.
- Final version of the Go-live plan for March 2024 distributed to participants on 06/02/2024.
- Reconciliation underway with MCs to validate open exemption IDs and their respective Participant IDs
- MSATS production deployment 10:00 to 14:00 Market Time 03/03/2024
- Production effective date for Metering Exemptions 04/03/2024.

Metering Exemptions Automation

- Participants are advised to update B2M schema preferences prior to the production outage on 3rd March.
- Migration of production exemptions will continue throughout the first week of operations.
- MCs will be advised when they can commence submitting exemptions via MSATS. Likely to be around 7th March.
- Support Arrangements
 - Project will provide hypercare for the month following go-live.
 - Q&A sessions will continue for the week after go-live.
 - Incidents to be raised via the [AEMO Information and Support Hub](#) or call 1300 236 648.

March 2024 Milestones Timeline



Metering Exemption – Milestone Table

March 2024 - Level 1 & 2 Milestones (External)

Milestone ID	Milestone	Release	Target Date	Expected Date	RAG	Tentative / Confirmed	Commentary
MSD-206	aseXML r44 Schema Specification published draft	March 2024	19-Sep-2023	19-Sep-2023		Confirmed	
MSD-101	Industry Test start (Informal)	March 2024	4-Oct-2023	4-Oct-2023		Confirmed	
MSD-208	AEMO Development complete (incl. aseXML r44 schema)	March 2024	13-Oct-2023	24-Oct-2023		Confirmed	
MSD-210	AEMO Testing start (aseXML r44 Schema)	March 2024	16-Oct-2023	25-Oct-2023		Confirmed	
MSD-211	aseXML r44 Schema Specification published final draft 2	March 2024	23-Oct-2023	8-Nov-2023		Confirmed	
MSD-104	AEMO Development & Testing complete (incl. aseXML r44 Schema)	March 2024	15-Nov-2023	27-Nov-2023		Confirmed	
MSD-215	MSATS Technical Spec. v51.0 published	March 2024	5-Dec-2023	30-Nov-2023		Confirmed	
MSD-212	Pre-Production Release - aseXML r44 Schema	March 2024	22-Nov-2023	5-Dec-2023		Confirmed	
MSD-214	aseXML r44 Schema Specification published final	March 2024	4-Dec-2023	19-Dec-2023		Confirmed	
MSD-105	Industry Test start (Formal)	March 2024	31-Jan-2024	31-Jan-2024		Confirmed	
MSD-213	Industry Go-Live Plan published (Metering Exemptions)	March 2024	5-Feb-2024	6-Feb-2024		Confirmed	Submitted one day post target date
MSD-106	MSDR Metering Exemptions Go-live	March 2024	3-Mar-2024	3-Mar-2024	Green	Confirmed	
MSD-107	Metering Exemptions Procedure Change Effective	March 2024	4-Mar-2024	4-Mar-2024	Green	Confirmed	

5. Pre-Production Availability

Pre-Prod Refresh for Market Trial

Proposed Dates and outage Timings

- Pre-prod Wholesale and Retail to be refreshed from production from 4 March.
- Outage window will be 4th March to COB 8th March 2024. Subject to completion of preparatory activities.
 - Any changes to timing and follow on impacts will be communicated through Implementation Forum
- Two additional outages are being planned for late February to enable some critical software and infrastructure updates.
 - 29th February pm half day outage
 - 13th March – outage duration TBC

Effective dates of refreshes

- Pre-prod Wholesale will be refreshed from production as at 7th February.
- Preprod Retail will be refreshed from production as at 4th March.
- On completion of the refreshes, several settlement runs will be re executed in MSATS to align the data in the Wholesale system.

6. June 2024 Release



Integrating Energy Storage Systems into the NEM

Emily Brodie / Greg Minney / Carla Ziser / Chris Fleming

IESS June 2024 updates



1. Release update



2. Contingency approach – feedback and next steps



3. Readiness and go-live 3-month checkpoint



4. PDSE feedback and approach



5. Market trial planning – ITWG engagement



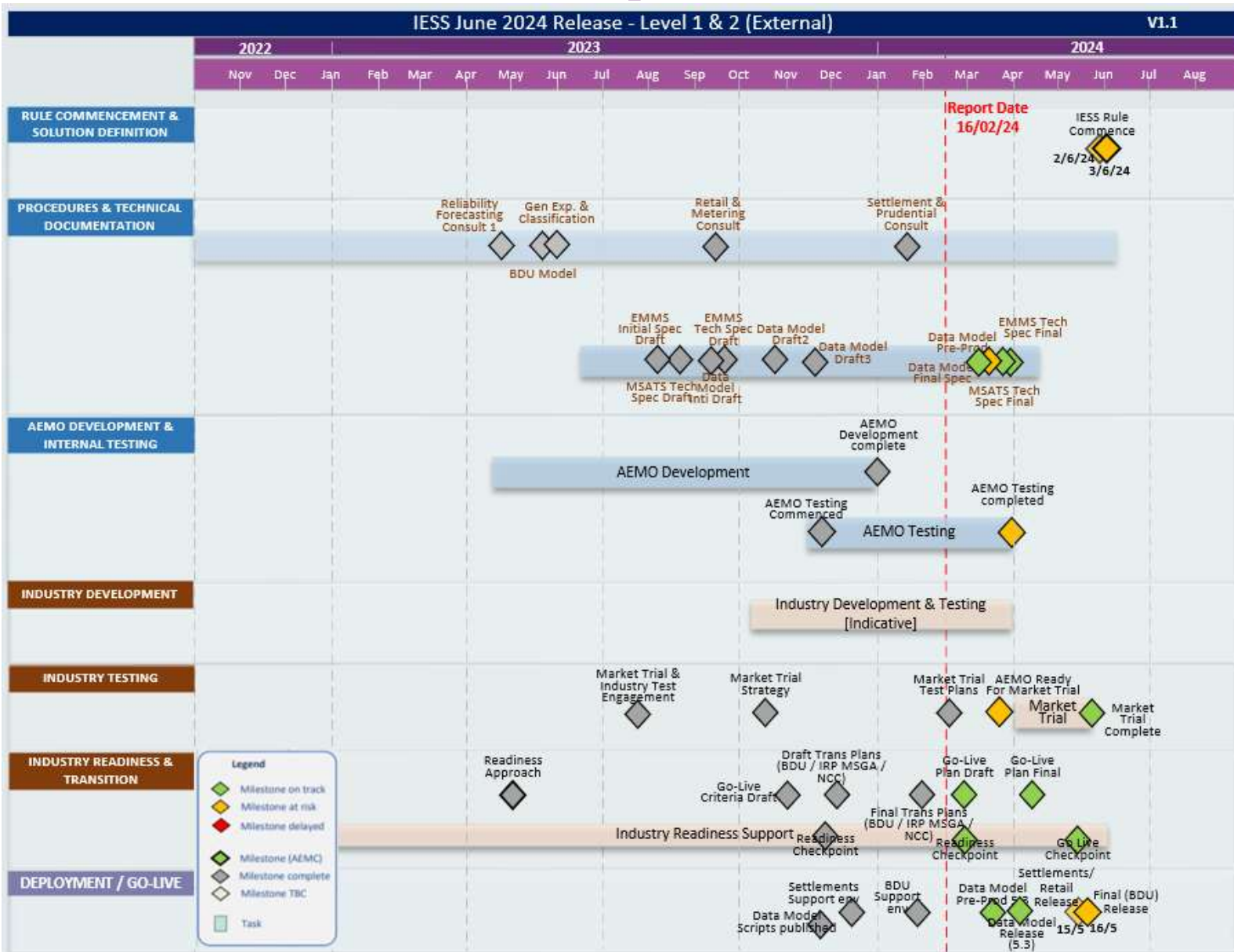
6. Readiness documentation and engagement



1. Release Update & Milestone Review

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.
- Project will conduct **readiness checkpoint** as at end Feb for assessment against go-live criteria
- **AEMO internal testing** underway with issues being managed against tight overall schedule . 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. No impact to current trial plans or preparation currently.
- **Procedures consultation** .The completed Settlements and Prudentials consultation is the last “standard” consultation for IESS. “Minor & administrative” changes to remaining procedures are for terminology changes only and are on track for completion in May.

Tech specs on track:

- Version of all Tech Specs published 21/2 – MSATS, EMMS, EMMS Data Model
- Next Tech Spec and Data Model update will align with pre-prod release for Data Model 5.3 scheduled for 13 March

Industry testing

- PDSE Q&A held Tue 21 Feb
- IESS Market Trial Plan final released Fri 16 Feb
- ITWG members to consider detailed test scenarios for their organisations

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 will be released for comment Mon 26 Feb

IESS June Milestone Table - Past



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		
	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.

IESS Project - Level 1 & 2 Milestones (External)

Level	Milestone ID	Milestone	Target Date	Expected Date	RAG	Tentative / Confirmed	
	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	Completed
	IES-317	Industry Go-Live Plan Draft published	26-Feb-2024		Green	Confirmed	on track
	IES-218	EMMS Data Model 5.3 Released to Pre-Production	27-Feb-2024	13-Mar-2024	Amber	Confirmed	Milestone adjusted to accommodate planned pre-prod refresh for IESS Market Trial
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-107	AEMO Development & Testing complete	28-Mar-2024		Amber	Confirmed	Compressed Quality Assurance timeline.
	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 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	Amber	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



2. Contingency approaches feedback & confirmation

Greg Minney

Contingency approach for IESS June release



- The Go-Live criteria for IESS June release highlights the dependency on AEMO solution and business readiness to support the implementation of IESS on the 2nd (Settlements) and 3rd of June 2024 (BDU)
- The progress and go-live checkpoint conducted 1 December 2023 on-track progress against those criteria, and therefore, no consideration of a rule-based change to the implementation date was required
- The attached contingency approaches identify the proposed approach should scenarios arise prior to implementation that impact either the readiness of elements of the initiative, the action to be taken and the trigger point for those considerations.

AEMO is seeking feedback on the identified IESS contingency scenarios and proposed approaches.

Please provide feedback to iess@aemo.com.au by Fri 9th Feb

I ESS Contingency Approaches



Category	Area	Impact/Implication	Proposed Contingency approach	Decision Timeframe / Trigger
Settlement	Settlement Processing	Not able to demonstrate accurate settlement processing during Market Trial or prior go-live	<ul style="list-style-type: none"> Assess if sufficient settlement runs to prove accuracy into remaining Market Trial Period. Delay Commencement of NECR component of IESS Rule- on basis that can't ensure integrity of market Delay introduction of single DUID / MSGAs transfer to IRP/ IRP registration due to technical software dependency on settlement processing Prepare and distribute comms explaining delay and next steps 	From commencement of Market Trial / 2 April
Settlement	Settlement certification	Settlement Certification processes identifies deficiencies in calculation that cannot be addressed prior go-live	<ul style="list-style-type: none"> Delay Commencement of NECR component of IESS Rule- on basis that can't ensure integrity of market Delay introduction of single DUID / MSGAs transfer to IRP/ IRP registration due to technical software dependency on settlement processing Prepare and distribute comms explaining delay and next steps 	Settlement Certification Completion
Scheduling	Single DUID BDU operation	Updated Scheduling and cutover capability not able to be demonstrated during market Trial	<ul style="list-style-type: none"> Reschedule BDU transition and commencement of new single DUID participants until fully tested capability available Support extended / rescheduled Industry Testing of capability once available Targeted comms to affected participants 	Completion of AEMO Internal Testing for Scheduling (regression)
Scheduling	Non- single DUID BDU scheduling (pumped hydro)	Regression impacts on non-single BDU scheduling operation that impact security of operation (eg inconsistent results, performance issues)	<ul style="list-style-type: none"> Reschedule IRP transition (if required) and commencement of new single DUID participants until fully tested capability available Support extended / rescheduled Industry Testing of capability once available 	Commencement Of Market Trial / Completion of AEMO Internal Testing
Scheduling	NEMDE certification	NEMDE certification processes identify deficiencies that are not addressed prior go-live	<ul style="list-style-type: none"> If Issue relates only to Single DUID BDU operation - reschedule commencement of single DUID BDU operation until certified Solution Available If Issue relates to integrity of all NEMDE outcomes - delay upgrades and go-live until remedied and certified 	Completion of AEMO Internal Testing for Scheduling
Registration/ On Boarding	IRP Registration / BDU Registration (new)	Unable to support IRP / BDU registration for Market Trial involvement	<ul style="list-style-type: none"> Commencement in line with 2/3 June If delivery of operational code supports Phased establishment during market trial period - support delayed entry 	Registration AEMO Testing Completion
Registration/ On Boarding	IRP Registration / MSGA establishment	Unable to update BESS / MSGA registration to IRP as at 3/6/24 Unable to register new IRP from 3/6/24	<ul style="list-style-type: none"> Update NCC for MSGA's to progress NECR processing (settlement) Delay IRP/ Single BDU progression 	Go-Live checkpoint - 1 May 2024
AEMO Business Readiness	Settlements	Business areas cannot effectively manage market operations with IESS capability deployed and ensure integrity of ongoing operations	<ul style="list-style-type: none"> Delay Commencement of NECR component of IESS Rule until Business operations sufficiently stable Reschedule deployments in line with operations requirements Continue Market Trial / preparation activity 	Go-Live checkpoint - 1 May 2024
AEMO Business Readiness	Operations	Business areas cannot effectively manage system operations with deployed IESS capability and ensure system integrity	<ul style="list-style-type: none"> Reschedule BDU transitions and commencement of single DUID BDU introduction in line with operations readiness Continue Market Trial processing with industry Deployments proceed on schedule 	Go-Live checkpoint - 1 May 2024
Participant Readiness	Widespread/ systemic lack of readiness for settlement changes	Widespread commercial impact to market due to participants inability to manage updated settlement data	<ul style="list-style-type: none"> Delay Commencement of NECR component of IESS Rule until participant capability sufficiently stable Delay in opening - plus reschedule /extension of Market Trials 	Go-live checkpoint - 1 May 2024
Participant Readiness	Single DUID BDU operation	Multiple Participants not ready to transition to single DUID	<ul style="list-style-type: none"> No delay in IESS commencement, Participants to reschedule individual BDU cutover in line with their readiness - subject to operational scheduling constraints 	Participant scheduling of BDU transition

Feedback Received



- AEMO received limited feedback from Implementation Forum
- Key items raised:
 - Noted necessity for contingency planning and type of scenario identified
 - AEMO will maintain contingency approach, monitor trigger points in-line with established go-live criteria and go-live checkpoints
 - Questioned if any of identified Scenarios would require roll back of Data Model changes
 - Initial investigation indicates no requirement for rollback – but will consider in more detail
- Next steps:
 - Consider any further input from industry participants
 - Incorporate assessment of scenario triggers into scheduled go-live criteria checkpoints



3. Approach to Go-Live: 3 Month Checkpoint

Greg Minney

IESS Go-Live Check point – 3 Month prior to rule commencement



- AEMO will conduct overall IESS readiness checkpoint at end Feb
 - Report to PCF at Wed 13 March meeting
- Intention to provide the industry with assessment of progress against the agreed go-live criteria
 - Considerations for implementation planning
 - Readiness for commencement and execution of Market trial in planned timeframes.

IESS June 2024: Readiness & go-live criteria

INITIATIVE	IESS Sun 02 Jun 2024	IESS Mon 03 Jun 2024
	<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 	<ul style="list-style-type: none"> • BDU classification and participation

GO-LIVE CRITERIA

AEMO	AEMO solution tested in-line with requirements for:	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"> • NEM operation incorporating new NECR framework from rule commencement date • Providing for new IRP registration category 	
	AEMO business:	AEMO business ready to support BDU operations in the NEM
	<ul style="list-style-type: none"> • Ready to operate new NECR framework • Ready to register IRPs • Has re-registered SGAs as IRPs 	
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. 	Participant readiness activity is not a pre-requisite for go-live, noting: <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

CONTINGENC	Contingency approaches to be developed and discussed with IF
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READINESS CHECKPOINT 28 NOVEMBER 2023

- Summary status:**
- On track against Schedule
 - Schedule remains tight with no contingency for remaining milestones

We presented this slide at the previous Readiness and Go-live check point. We will update it for the PCF to reflect current status and progress

- Internal testing 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)
- 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 approaches currently in development, with separate



Approach to assessing participant readiness



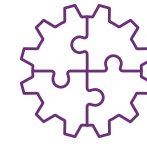
- Participant readiness for IESS Rule(s) considered separately for Settlement/ NECR and BDU
 - IESS settlement/NECR starts for all participants on Sun 02 Jun 2024
 - BDU changes occur progressively for each affected participant during the BDU transition period.
- In relation to IESS settlements/NECR changes, participant readiness is considered against criterion of “systemic issues that materially affects NEM operational integrity”, noting that mitigations are:
 - Interim deliverables from AEMO delivered to support participant development
 - Briefing sessions held to ensure visibility of upcoming changes
 - Data reporting approach includes “translation” of key settlement tables
 - Ongoing stakeholder engagement
- AEMO is monitoring for any systemic issue that materially affects NEM operational integrity by seeking feedback from participants.
- Should participants have concerns on their operational readiness post NECR introduction – and wish to raise confidentially:
 - Please contact Greg.Minney@aemo.com.au for discussion
 - Anonymised summary of participant concern/s (if any) will be included in the go-live assessment provided to the PCF



4. PDSE feedback and approach

Chris Fleming

PDSE feedback and approach



- Feedback received from participants on the levels of support for the PDSE environment.
- Participants have requested greater responsiveness to problem management and increased visibility with defects and defect resolution.
- In response, AEMO has established a weekly Q&A session with affected participants to improve responsiveness and transparency. and will expand these sessions to in the coming weeks to facilitate preparations for the market trial.
- PDSE code deployment scheduled for 23rd Feb to resolve key outstanding defects.



5. Market trial planning – ITWG engagement

Chris Fleming

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
Mon 15 Jan	Participant feedback on Market trial planning due
Fri 19 Jan	Draft Market Trial Plan issued for comment
Wed 24 Jan	ITWG to consider participant feedback
Fri 2 Feb	Participant feedback due on IESS market trial plan
Fri 16 Feb	Final IESS market trial plan issued
Thu 29 Feb	Participants expressions of interest for the Market by 29 Feb
Feb – March	Detailed trial preparation including: <ul style="list-style-type: none">• 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



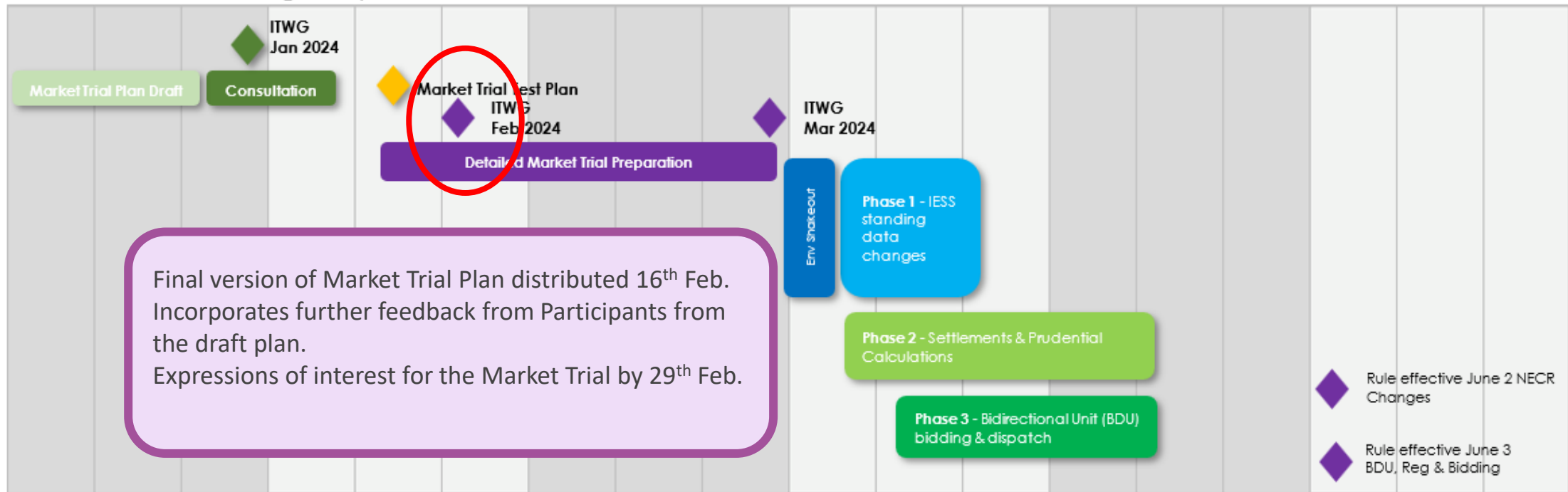


IESS market trial planning

IESS industry testing and market trial high level timeline

2024	2024	2024	2024	2024	2024
JAN	FEB	MAR	APR	MAY	JUN

IEE Market Trial Planning & Implementation



IESS Market Trial Planning - Scope

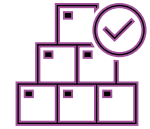


Test Phase	Timing	How we are testing proposed scope	Participants
Phase 1 – IESS standing data changes	2 April	<ul style="list-style-type: none"> • Testing cutover process of SGAs to IRP and de-generators using the bulk data tool. • Participants confirming Registration & Market Standing Data Changes are reflected correctly. This will include new NMI Classification Codes (NCC). 	FRMPs, market generators, market customers, IRPs, SGAs, Market ancillary service providers, network service providers, metering service providers, embedded network managers
Phase 2 – Settlements & Prudential Calculations	3 April – 6 May 2024	<ul style="list-style-type: none"> • Pre mock go-live settlement runs (regression using old settlement method): • Post mock go-live settlement runs (New Settlement Method): • Prudential dashboard updated for participants during this period. • Participants to review data model & reports after each settlement run. • Participants to confirm the market fee calculations under the new database structure. 	FRMPs, market generators, market customers, IRPs, SGAs, Market ancillary service providers, network service providers, metering service providers, embedded network managers
Phase 3 – Bi-directional Unit bidding and dispatch	19 April – 6 May 2024	<ul style="list-style-type: none"> • Simulated cutover <ul style="list-style-type: none"> ◦ Selected participant transition from 2DUID to 1DUID • Participants to confirm bidding on new BDU • Participants to confirm dispatch instructions and review submitted bids • Participants confirming Market Standing Data Changes are reflected correctly. This includes New NMI Classification Code (NCC) updates. 	Market Generations (Battery – Gen Only), Market Customers (Battery – Load Only)

IESS Market Trial Planning – Next steps



- Participants to respond to expressions of interest for the Market by 29 Feb <https://forms.office.com/r/v21psxfyYG>
- Participants to sign up to Practitest training
- Continue sending thru which scenarios you want to see executed for the Market Trial
- BDU registrations due by 8th March
- Look out for invitations to Market trial / PDSE Q&A sessions

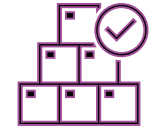


6. Readiness documentation and engagement

Emily Brodie / Carla Ziser

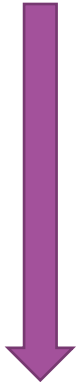
IESS go-live plan

- *Draft* IESS go-live plan published Mon 26 Feb for comment:
 - Describes the go-live approach for upgrading AEMO's wholesale and retail systems for IESS June 2024 release
 - Covers key participant activities required to support these changes.
- **Seeking feedback** on content by Mon 18 March to nemreform@aemo.com.au particularly around:
 - Scope
 - Go/no-go decision
 - Go-live schedule
 - Contingency
 - Participant support arrangements
- Final plan will be published on Fri 19 Apr 2024 (once the market trial is underway so that timings and dependencies can be confirmed)



IESS readiness update: Since last IF meeting – Tue 23 Jan 2024

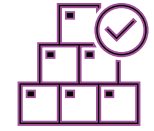
****To be read in conjunction with the IESS release schedule****



IESS SETTLEMENTS		IRP & BDU
Thu 08 Feb		BDU focus group meeting #3
Thu 15 Feb	Metering service providers information session: <ul style="list-style-type: none"> • Informs MSPs of changes they will see from IESS (NCC changes, NMI cutovers for BDUs) 	
Tue 20 Feb		IRP general briefing and Q&A
Wed 21 Feb	PDSE Q&A	
Various dates	1to1 discussions	

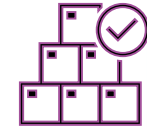
IESS readiness update: Prior to next IF meeting - Tue 26 Mar 2024

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



	IESS SETTLEMENTS	IRP & BDU
Mon 26 Feb	Draft go-live plan published for comment <ul style="list-style-type: none"> Final plan schedule for publication Fri 19 Apr 	
Thu 14 Mar		BDU focus group meeting #4
Various dates	<ul style="list-style-type: none"> PDSE Q&A 1to1 discussions 	

BDU transition and cutover



DATE	ACTION
Thu 12 Oct 2023	✓ BDU focus group #1 – seeking early feedback on aspects of BDU transition and cutover plan
Thu 23 Nov	✓ BDU focus group #2 – providing more detail on transition and cutover activities
Fri 15 Dec 2023	✓ Publish DRAFT BDU transition and cutover plan for comment
Fri 19 Jan 2024	✓ Participants to provide feedback on draft plan
Mon 22 Jan	✓ PDSE Environment available for BDU
Wed 31 Jan	✓ AEMO publishes FINAL BDU transition and cutover plan
Thu 08 Feb	✓ BDU focus group #3 – providing further details on transition and cutover activities
Fri 16 Feb	✓ Transition application form for IRPs and BDUs released
Mar 2024	Agree production cutover date for each BDU
Thu 14 Mar	BDU focus group #4
As early as March 2024 (for Market Trial)	Complete required paperwork for BDU establishment

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.

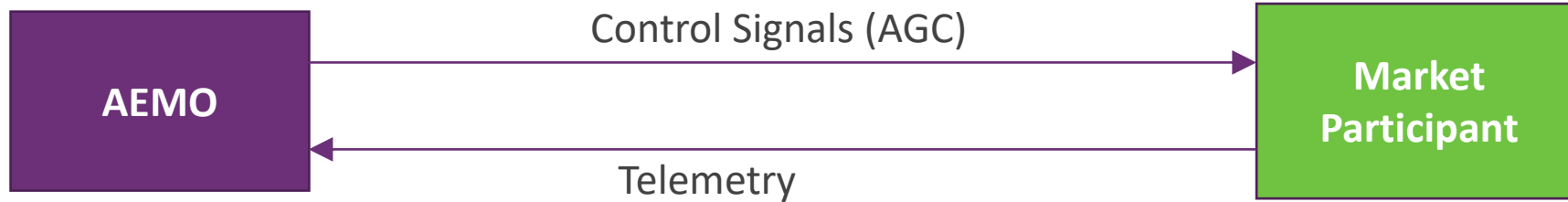
- 31 March 2023 release**
Market Small Generator Aggregators (MSGAs) providing FCA
- 9 August 2023 release**
Aggregate systems can opt-in to aggregated dispatch conformance (ADC)
- 2 June 2024 release**
IESS Retail and settlement changes: Market changes to the non-energy cost recovery framework (NECR) leading to significant changes to NEM settlement table structure
- 3 June 2024 release**
IESS registration, classification and bidding charges
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	iess@aemo.com.au
IESS market trial queries	NEMReform@aemo.com.au

7. SCADA Lite 2024 Release

Initiative summary: SCADA Lite release



Provide a capability for a market participant to establish a bi-directional communication path to exchange telemetry data and control signals with AEMO such that they can participate in the wholesale market. Specifically:

- Demand Response Service Providers (DRSP) providing Wholesale Demand Response (WDR).
- Generators or Integrated Resource Providers not able to exchange information or controls with AEMO via an NSP.

SCADA Lite: High-level impacts - DRAFT

The information presented here is general in nature. AEMO encourages industry participants to undertake their own due diligence to assess energy market reform impacts on their respective organisations.

AFFECTED TECHNOLOGY & PROCESSES	INDICATIVE PARTICIPANT CHANGE IMPACTS	AFFECTED PARTICIPANTS				
		IRP	GEN	DRSP	TNSP	DNSP
REGISTRATION	<ul style="list-style-type: none"> Required: DRSPs seeking to register >5MW of WDR from a single site/aggregation who do not provide telemetry via an NSP will require a SCADA lite connection Optional. IRPs or Generators seeking a transitional SCADA Lite connection where the NSP does not support the service. <p>MEDIUM</p> <ul style="list-style-type: none"> Provide required data and undergo required certification Direct annual fees for a SCADA Lite connection 	0	0	✓		
DISPATCH	<p>MEDIUM:</p> <ul style="list-style-type: none"> OPTIONAL - Operational systems could be upgraded to receive/respond to instruction signals from a SCADA Lite feed. 	0	0	0		
TECHNOLOGY	<p>MEDIUM for non-NSP participants:</p> <ul style="list-style-type: none"> Potential for new technology and hardware will be required to enable the bidirectional communication link with AEMO to provide telemetry and optionally receive instruction signals. 	0	0	✓		

* Refer to [SCADA Lite Stakeholder Workshop Presentation – 23 August 2023](#) for technical overview

DRSP	Demand Response Service Provider
GEN	Scheduled Generators
IRP	Integrated Resource Providers

TNSP	Transmission network service provider
DNSP	Distribution network service provider

SCADA Lite Implementation

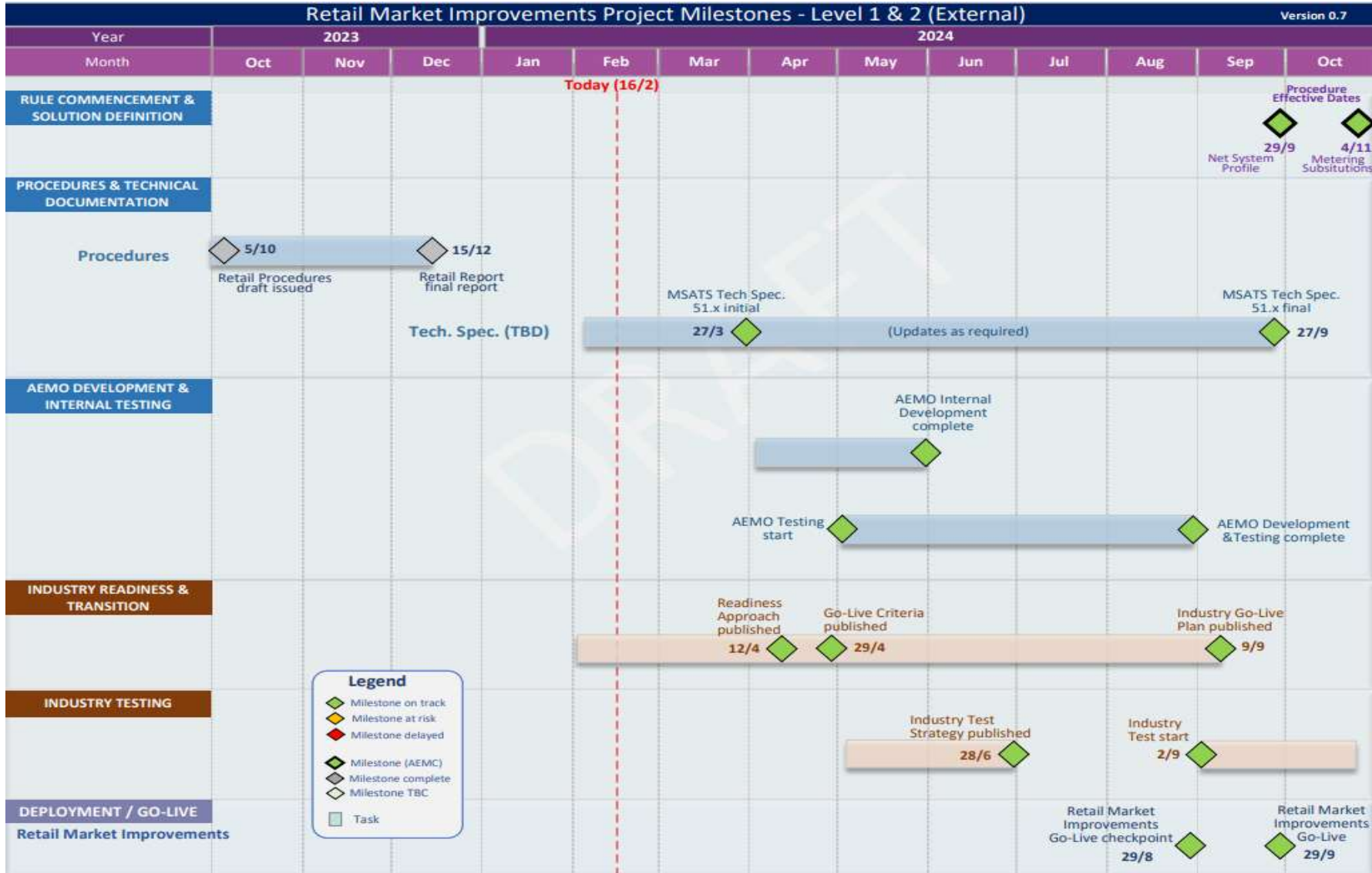
- AEMO has now received Investment approval to proceed with SCADA Lite implementation.
- AEMO is currently conducting a Proof of Concept (POC) on identified approach and formalising delivery approach and timings.
- Milestones and progress reporting will be incorporated into NEM Reform program and forums (PCF, Implementation Forums).
- Current expectation that SCADA Lite will Go-Live is 3rd Qtr / early 4th Qtr 2024 (TBC).
 - Confirmation to be provided to March PCF

8. September 2024 Release

September 2024 Retail Market Improvement Release

- AEMO has completed consultation on various changes to its Retail and Metering Procedures and issued final report on Dec 15 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 Sept 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
- Attached POAP and Milestone summary will form basis of project status management, with milestones as confirmed

September Release Timeline



- Retail Improvements Release scheduled 29th September
- Development team in place
- Planned milestones to support committed procedure effective dates
- Readiness Approach to outline expected industry Test support for both components of release

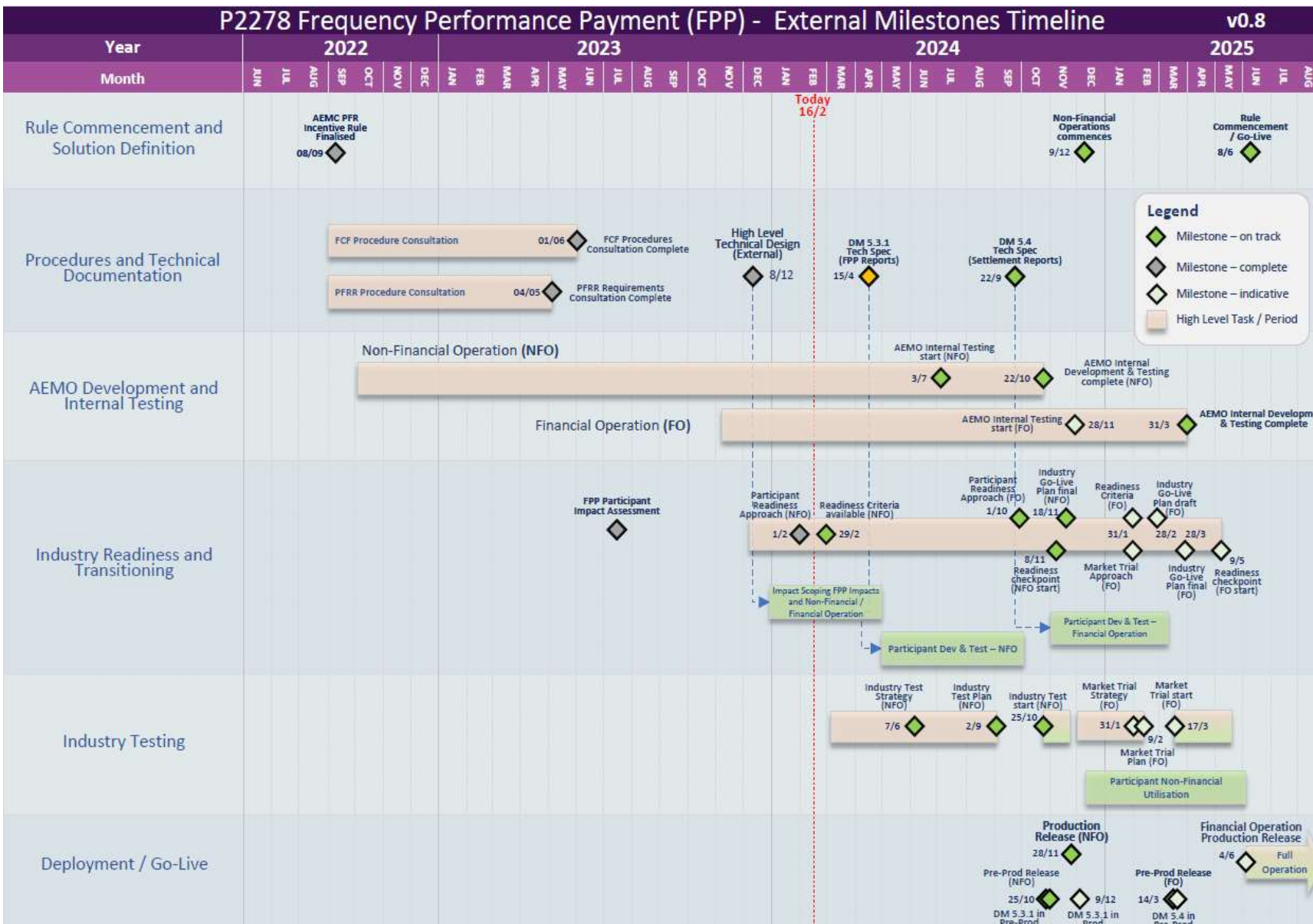
September – Retail Improvements – Milestones

September 2024 - Level 1 & 2 Milestones (External)

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	12-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	

9. December 2024 / June 2025 Release

Frequency Performance Payments (FPP) Milestones Timeline



RELEASE COMMENTARY

- Overall project status **GREEN**
- AEMO development in progress
- Milestones 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](#) published on 8 December 2023. FPP Reporting Data model (DM5.3.1) to be published in April 2024.
- [Draft Industry Readiness and Go-live criteria](#) published 25 January 2024. Final to be published by 29 February 2024.

New FPP information and education resources

Video explainers

Six videos published, three forthcoming.

- One provides an introduction to the FPP reform, with the others covering: The calculation process; unit deviation and residual; performance calculation; frequency measure, and; contribution factors.
- Forthcoming videos on: Requirement for corrective response (RCR) and usage; default contribution factors (DCFs), and; FPP-related settlement calculations

FPP Frequently Asked Questions FAQ document

- First version contains 47 FAQs across five topics: overview; measurements and calculations; non-financial operation (NFO); timeline, and: resources and opportunities for engagement.
- The document will be updated as new questions are received and answered.

Stakeholder information session

Recording of 23 Feb session to be published on AEMO's website.

FPP-NFO Milestone Table

FPP Project - Level 1 & 2 Milestones (External)

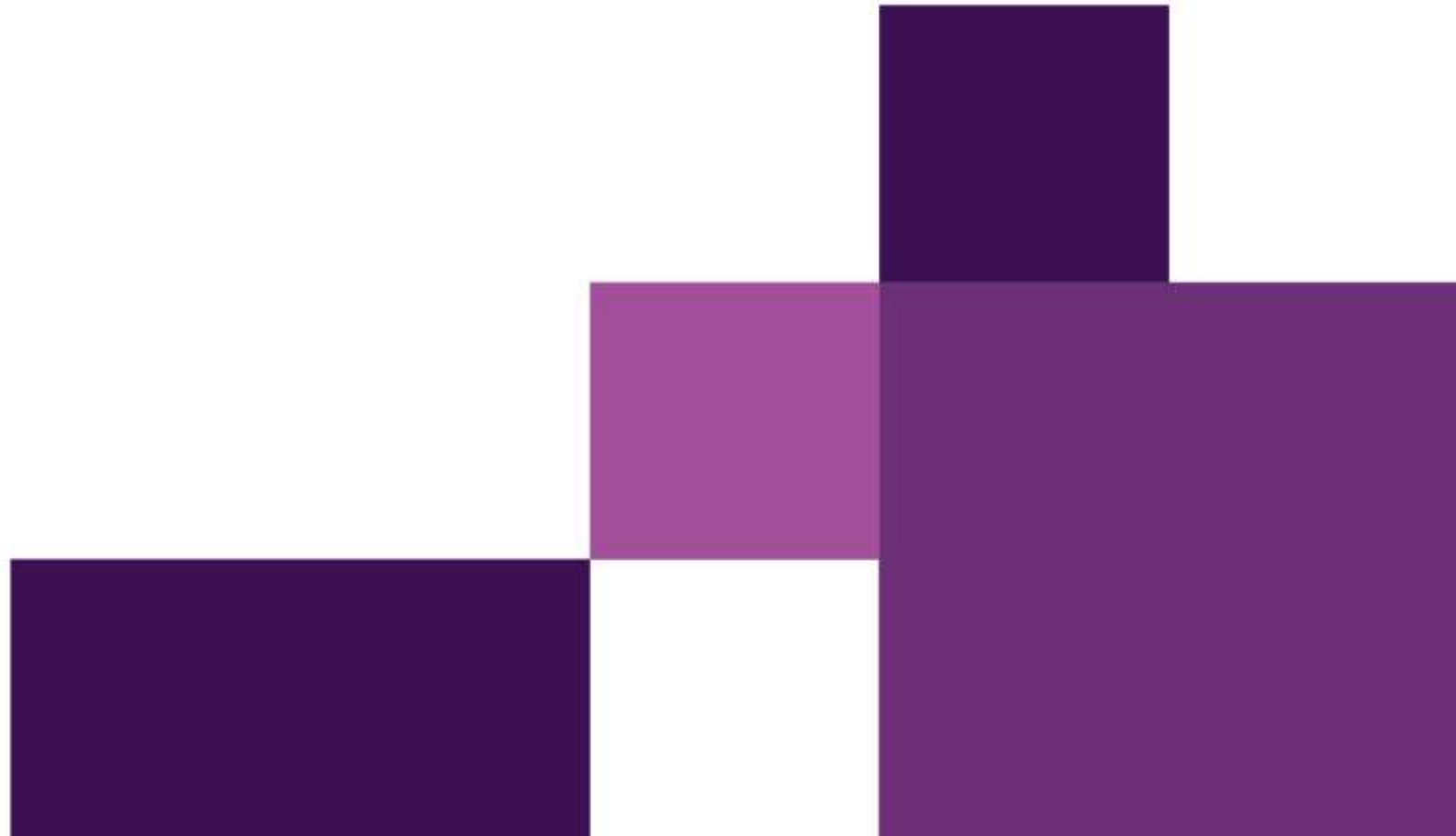
Level 2	FPP-221	High Level Technical Design (External)	FPP-NFO	15-Dec-2023	8-Dec-2023		Confirmed	
Level 2	FPP-222	Participant Readiness Approach (incl. Dev Support Reqmts) published	FPP-NFO	1-Feb-2024	1-Feb-2024		Confirmed	
Level 2	FPP-230	Readiness Criteria available (NFO)	FPP-NFO	29-Feb-2024		Green	Confirmed	
Level 2	FPP-217	Data Model 5.3.1 Tech Spec (FPP Reports)	FPP-NFO	15-Apr-2024		Amber	Confirmed	confirming project resource to deliver
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-FO Milestone Table

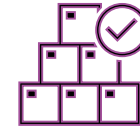
FPP Project - Level 1 & 2 Milestones (External)

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	

Industry Readiness Approach and Go-live Criteria



FPP-NFO readiness approach

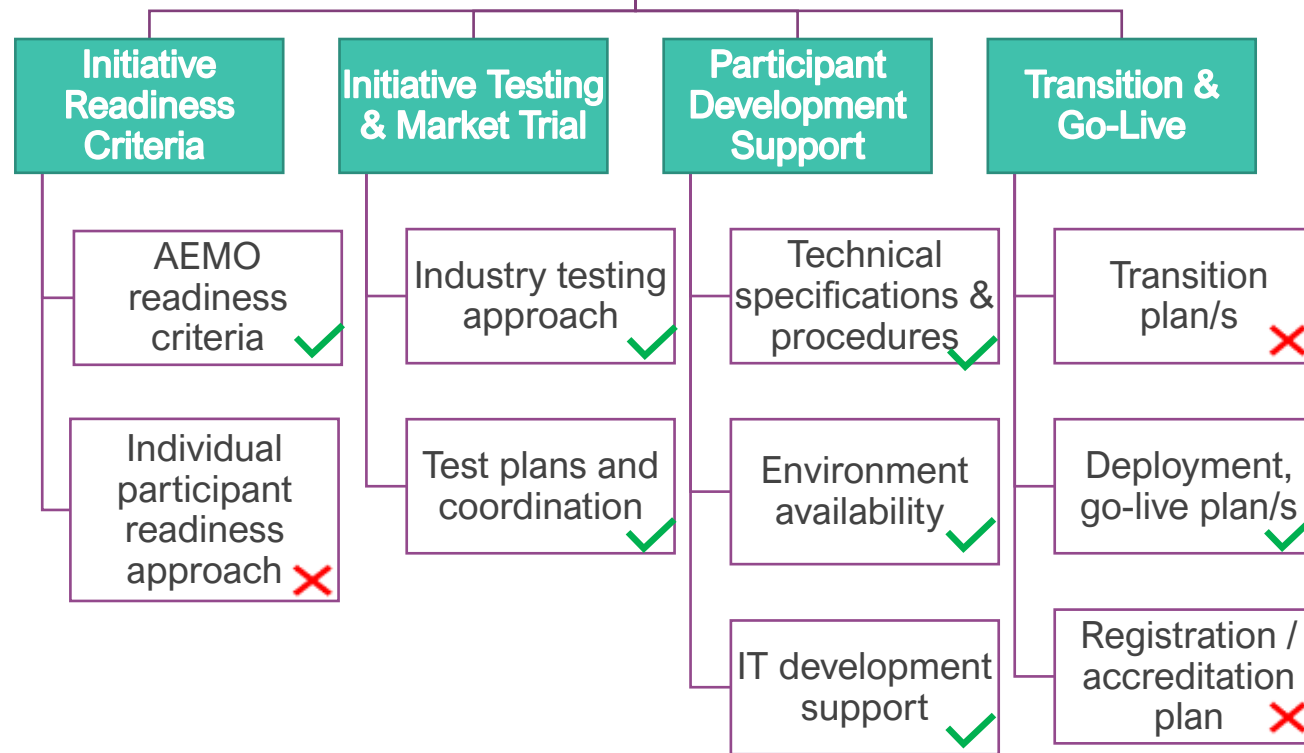


DATE	ACTIVITY
Jan 2024	<ul style="list-style-type: none">Presented NEM Program Readiness Framework and high-level FPP-NFO readiness approach to Implementation Forum requesting feedback.
	<ul style="list-style-type: none">Draft Readiness Approach published 21 Jan 2024
	<ul style="list-style-type: none">No feedback received to date.
29 Feb 2024	<ul style="list-style-type: none">Publish final Readiness ApproachPublish Readiness & Go-live Criteria

Context: NEM Reform program industry strategy

NEM REFORM READINESS STRATEGY (ALL INITIATIVES)

PROPOSED FPP-NFO READINESS APPROACH



RISK & CONTINGENCY MANAGEMENT ✓

INITIATIVE READINESS REPORTING & GO-LIVE CRITERIA MANAGEMENT ✓

FPP-NFO Dec 2024: Draft readiness and go-live criteria

GO-LIVE CRITERIA	<p>Non-Financial Operations from 9 Dec 2024</p> <ul style="list-style-type: none"> FPP (NFO) go-live criteria will reflect Technical Readiness for go-live and AEMO preparedness to support new FPP calculations and reporting. Impacted participant readiness will not be considered as criteria for go-live.
AEMO READINESS	<p>AEMO solution tested in-line with requirements for:</p> <ul style="list-style-type: none"> NEM operation incorporating new FPP calculations and reporting of new data for all eligible generating units via NEM Reports / AEMO Data Interchange <p>AEMO business ready to support the NFO operation of FPP</p>
INDUSTRY READINESS	<p>Participant readiness activity is not a pre-requisite for go-live.</p> <ul style="list-style-type: none"> However, Participants are encouraged to make timely system/process changes to take advantage of the period of non-financial operations and assess the impact on their business. AEMO does not propose to monitor participant readiness.
CONTINGENCY	<p>Contingency approaches to be developed and discussed with IF members</p>

Introduction of FPP is based on AEMO providing new FPP calculations and reports using existing standard approach. There is no preparatory participant activity that will prevent initiative go-live.

FPP-NFO – Proposed Industry Testing Approach

	NFO INDUSTRY TESTING
Timeframe	<ul style="list-style-type: none"> • 25 Oct 2024 to 22 Nov 2024 • Duration 1 month
Test Strategy	<ul style="list-style-type: none"> • To test FPP calculations and reporting • AEMO co-ordinated delivery of agreed reporting for individual participant consumption • Target publish date - 7 Jun 2024
Test Plan	<ul style="list-style-type: none"> • To be published 2 Sep 2024
Scoping and Planning	In consultation with participants and in alignment with the project schedule

FPP-NFO - Proposed Participant Development Support

Technical Specifications and Procedures

Completed Procedure Consultations

- ✓ [Primary Frequency Response Requirements](#) - published 4 May 2023 (effective from 8 May 2023)
- ✓ [Frequency Contribution Factors Procedure](#) - published 1 June 2023 (effective from 8 June 2023)
- ✓ [Frequency Contribution Factors Tuning Parameters and Input Sources](#) - published 1 June 2023 (effective from 8 June 2023)
- ✓ [Power System Data Communication Standard](#) – effective 3 April 2023

High Level Design

- ✓ To assist participants with their own architecture and design processes - [Published 8 Dec 2023](#)

Data Model Technical Specifications

- To be published in time for participants to make their system changes:
- DM Tech Spec v5.3.1 with updates for FPP Reporting - **15 Apr 2024**

FPP-NFO – Proposed Participant Development support cont'd



Environment Availability	<ul style="list-style-type: none">• Preproduction environment will be available to support Industry Test period (25 Oct 2024 – 22 Nov 2024)<ul style="list-style-type: none">◦ Scheduling and requirements to be discussed at Implementation Forum.
IT Development Support	<ul style="list-style-type: none">• Open invitation sessions – first scheduled for Fri 23 Feb 2024.• MSUG sessions to support Technical Specification updates, aligned with release dates of draft and final specification• Technical implementation support via Q&A, NEM2025 mailbox query

FPP-NFO – Proposed Transition and Go-live Approach

Transition Plans	No obligated transitional requirements for rule commencement
Deployment / Go-live Plans	<p>Go-live plans covering key cutover timeframes, communications and participant co-ordinated activity (where required) will be needed for:</p> <ul style="list-style-type: none"> • Data model changes • Reporting changes • Alignment of participant and AEMO system deployments • Post Go-live support <p>Tentative publish dates:</p> <ul style="list-style-type: none"> • Draft - 04 Nov 2024 • Final - 18 Nov 2024
Registration / Accreditation Plans	<ul style="list-style-type: none"> • Re-registration is not required for existing participants • FPP does not introduce or trigger any additional accreditation requirements

FPP-NFO – Proposed Participant Readiness Reporting



Participant Readiness Reporting	<p>Formalised readiness reporting is not required.</p> <p>Rationale:</p> <p>There are no mandatory participant transition or preparation activities that if not performed will impact technical readiness for market or other participants. AEMO does not need to provide an industry wide view on the progress towards implementation to meet go-live decisions.</p>
Checkpoints on Go-live Criteria	<ul style="list-style-type: none">• Prior to Industry Test Start – 15 Oct 2024• Go-live Readiness – 8 Nov 2024• Additional checkpoints as needed in the lead up to go-live

Next Steps...

Targeting Friday 29 Feb 2024 to publish:

- Final Readiness Approach including confirmed dates
- Agreed Readiness & Go-live Criteria

Feedback by 28 Feb 2024

- Any further views/comments forward to FFPconsultations@aemo.com.au

10. Other Initiatives

Foundational & Strategic Initiatives

Identity & Access Management
Industry Data Exchange
Portal Consolidation

For noting

Background & Context

- AEMO and Industry collaborated via the Foundational and Strategic Initiatives (FaSI) Working Group through the course of 2023
- Industry input and feedback has been heard and options and recommendations developed to balance identified capability needs with capital constraints and delivery congestion. Key to this:
 - Our security posture across all market business services must be improved.
 - Our market portals are difficult to navigate using multiple identities and inconsistent.
 - We operate multiple legacy data exchange platforms and have no standard framework .
- We are facing a critical juncture:
 - Energy Transition will continue to accelerate the introduction of new business services.
 - In parallel the cyber threat landscape continues to evolve imposing new risks and requirements.

Background & Context – Options



- 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.

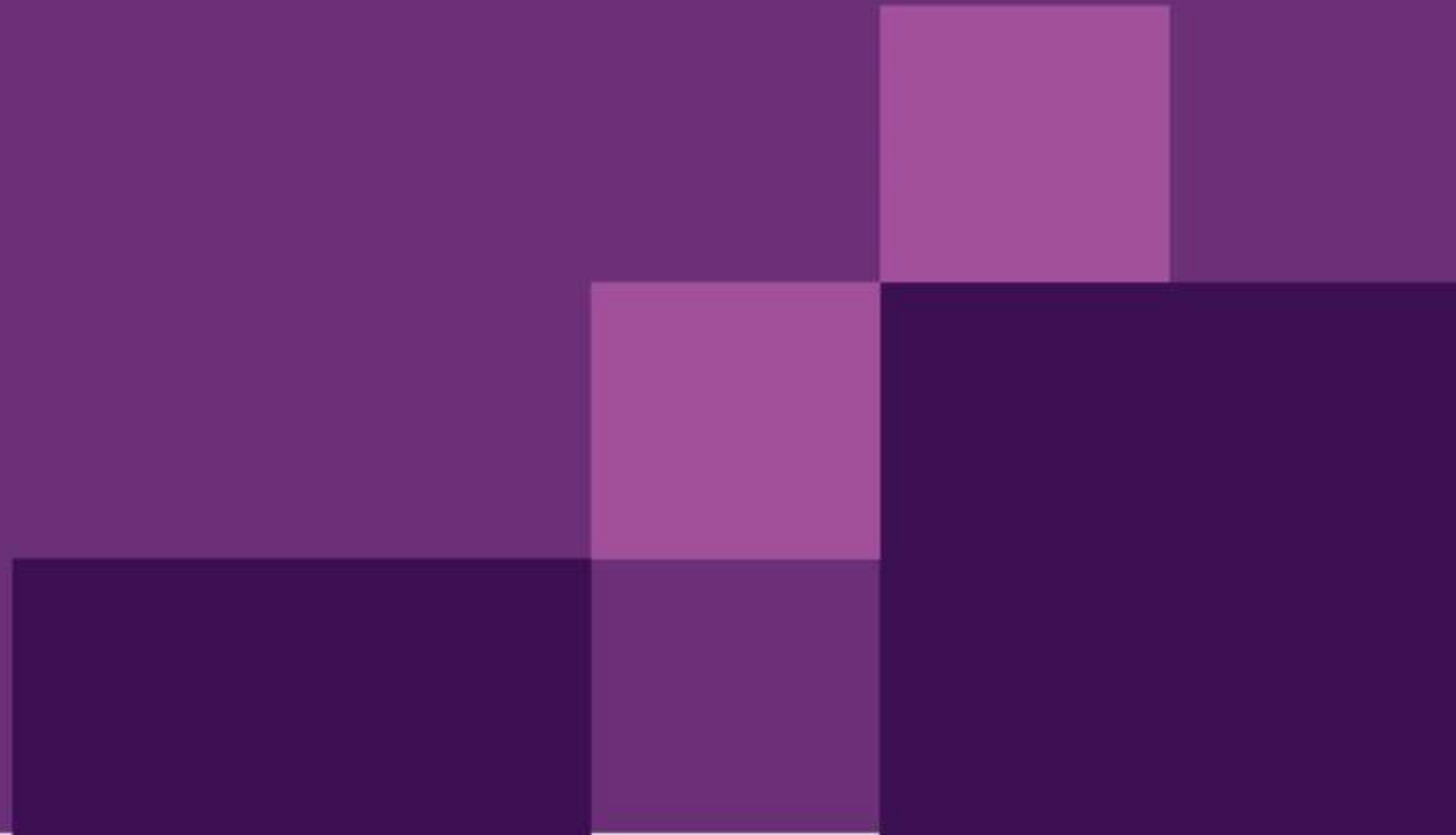
Next Steps: Key Milestones

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.

10. Stakeholder Engagement

Stakeholder Engagement Update

Verbal Update



Upcoming Engagements

For Noting

Upcoming Engagements

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

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

NEM Reform Program Committees/Forums

Executive Fourn	Yellow
Reform Delivery Committee	Green
Reform Delivery Committee Collaborative Workshop	Cyan
Program Consultative Forum	Purple
Electricity Wholesale Consultative Fourn	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 Integrated Resource Provider briefing and Q&A	Green
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

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.



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